# 37MURA
# Outdoor Unit Single Zone Heat Pump System
# Sizes 1-1/2 to 5 Nominal Tons

bryant®

# Product Data



**Fig. 1 – Typical Unit**

**NOTE:** Images are for illustration purposes only. Actual models may differ slightly.

## INDUSTRY LEADING FEATURES / BENEFITS

### Energy Efficiency

- 15.2 – 18.8 SEER2; 10 – 13 EER2 B2; 8.4 – 9.2 HSPF2 IV

### Sound

- Levels as low as 55 dB(A)

### Design Features

- Small Footprint
- Integrated 24V and RS-485 communications

### Reliability, Quality, and Toughness

- Inverter-driven, variable speed, rotary Compressor
- Line lengths up to 213' (65 m)
- Low ambient operation on high heat models down to -22°F (-30°C) without the use of wind baffles
- Conventional line set sizes

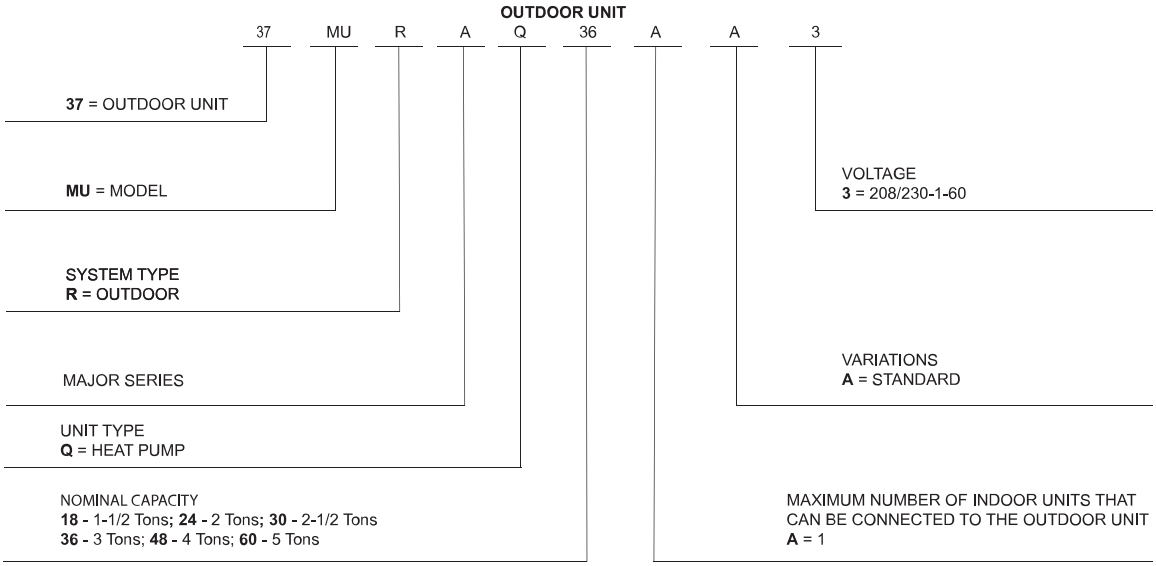
**NOTE:** Ratings contained in this document are subject to change at any time. Always refer to the AHRI directory (www.ahridirectory.org) for the most up−to−date ratings information.

## TABLE OF CONTENTS


MODEL NUMBER NOMENCLATURE . . . . . 2
STANDARD FEATURES AND ACCESSORIES . . . . . 2
Table 1 – Features . . . . . 2
Table 2 – Accessories . . . . . 3
DIMENSIONS . . . . . 3
Table 3 – Dimensions and Weights . . . . . 3
CLEARANCES . . . . . 6
SPECIFICATIONS . . . . . 8
Table 4 – Comprehensive Specifications . . . . . 8
Performance DATA . . . . . 11
COOLING PERFORMANCE - 37MURA + 45MUAA . . . . . 11
Table 5 – 18K Cooling — 37MURA + 45MUAA . . . . . 12
Table 6 – 24K Cooling — 37MURA + 45MUAA . . . . . 16
Table 7 – 30K Cooling — 37MURA + 45MUAA . . . . . 20
Table 8 – 36K Cooling — 37MURA + 45MUAA . . . . . 24
Table 9 – 48K Cooling — 37MURA + 45MUAA . . . . . 28
Table 10 – 54K Cooling — 37MURA + 45MUAA . . . . . 32
HEATING PERFORMANCE - 37MURA + 45MUAA . . . . . 36
Table 11 – 18K Heating — 37MURA + 45MUAA . . . . . 36
Table 12 – 24K Heating — 37MURA + 45MUAA . . . . . 38
Table 13 – 30K Heating — 37MURA + 45MUAA . . . . . 40
Table 14 – 36K Heating — 37MURA + 45MUAA . . . . . 42
Table 15 – 48K Heating — 37MURA + 45MUAA . . . . . 44
Table 16 – 54K Heating — 37MURA + 45MUAA . . . . . 46
COOLING PERFORMANCE - 37MURA + 45MULA . . . . . 48
Table 17 – 18K Cooling — 37MURA + 45MULA (24A) . . . . . 49
Table 18 – 18K Cooling — 37MURA + 45MULA (24B) . . . . . 51
Table 19 – 24K Cooling — 37MURA + 45MULA (24A) . . . . . 53
Table 20 – 24K Cooling — 37MURA + 45MULA (24B) . . . . . 55
Table 21 – 30K Cooling — 37MURA + 45MULA (36A) . . . . . 57
Table 22 – 30K Cooling — 37MURA + 45MULA (36B) . . . . . 59
Table 23 – 30K Cooling — 37MURA + 45MULA (36C) . . . . . 61
Table 24 – 36K Cooling — 37MURA + 45MULA (36A) . . . . . 63
Table 25 – 36K Cooling — 37MURA + 45MULA (36B) . . . . . 65
Table 26 – 36K Cooling — 37MURA + 45MULA (36C) . . . . . 67
Table 27 – 48K Cooling — 37MURA + 45MULA (60C) . . . . . 69
Table 28 – 48K Cooling — 37MURA + 45MULA (60D) . . . . . 71
Table 29 – 54K Cooling — 37MURA + 45MULA (60C) . . . . . 73
Table 30 – 54K Cooling — 37MURA + 45MULA (60D) . . . . . 75
HEATING PERFORMANCE - 37MURA + 45MULA . . . . . 77
Table 31 – 18K Heating — 37MURA + 45MULA (24A) . . . . . 77
Table 32 – 18K Heating — 37MURA + 45MULA (24B) . . . . . 78
Table 33 – 24K Heating — 37MURA + 45MULA (24A) . . . . . 79
Table 34 – 24K Heating — 37MURA + 45MULA (24B) . . . . . 80
Table 35 – 30K Heating — 37MURA + 45MULA (36A) . . . . . 81
Table 36 – 30K Heating — 37MURA + 45MULA (36B) . . . . . 82
Table 37 – 30K Heating — 37MURA + 45MULA (36C) . . . . . 83
Table 38 – 36K Heating — 37MURA + 45MULA (36A) . . . . . 84
Table 39 – 36K Heating — 37MURA + 45MULA (36B) . . . . . 85
Table 40 – 36K Heating — 37MURA + 45MULA (36C) . . . . . 86
Table 41 – 48K Heating — 37MURA + 45MULA (60C) . . . . . 87
Table 42 – 48K Heating — 37MURA + 45MULA (60D) . . . . . 88
Table 43 – 54K Heating — 37MURA + 45MULA (60C) . . . . . 89
Table 44 – 54K Heating — 37MURA + 45MULA (60D) . . . . . 90
APPLICATION DATA . . . . . 91
WIRING . . . . . 91
Table 45 – Wiring Sizes 36 – 48 . . . . . 91
Table 46 – Terminal Functions . . . . . 92
24V WIRING . . . . . 92
Table 47 – Jumper Usage for Thermostat Wiring . . . . . 93
SPECIFIC WIRING METHODS . . . . . 94
AIR FLOW DATA . . . . . 96
Table 48 – Airflow Data . . . . . 96
SOUND PRESSURE AND SOUND POWER . . . . . 96
Table 49 – Sound Pressure and Sound Power . . . . . 96
SOUND PRESSURE IN OCTAVE BANDS . . . . . 96

Table 50 – Outdoor Unit Sound Pressure Test Conditions . . . . . 97
FAN AND MOTOR AND ELECTRICAL SPECIFICATIONS . . . . 97
WIRING DIAGRAMS . . . . . 98
GUIDE SPECIFICATIONS . . . . . 103

## MODEL NUMBER NOMENCLATURE




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## STANDARD FEATURES AND ACCESSORIES

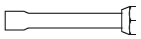
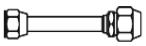
**Table 1 – Features**

| | |
|---|---|
| **Ease Of Installation** | |
| Low Voltage Controls | S |
| **Comfort Features** | |
| Microprocessor Control | S |
| Auto Restart Function | S |
| Auto Changeover | S |
| **Energy Saving Features** | |
| Inverter Driven Compressor | S |
| 46° F Heating Mode (Heating Setback) | S |
| **Safety And Reliability** | S |
| 3 Minute Time Delay For Compressor | S |
| High Compressor Discharge Temperature | S |
| Low Voltage Protection | S |
| Compressor Overload Protection | S |
| Compressor Over Current Protection | S |
| IPM Module Protection | S |
| Condenser High Temperature Protection in Cooling Mode | |
| Aluminum Hydrophilic pre-coated fins | S |
| **Ease Of Service And Maintenance** | |
| Diagnostics | S |
| Liquid Line Pressure Taps | S |
| **Application Flexibility** | |
| Crankcase Heater | S |
| Base pan Heater | S |

**LEGEND**
S - Standard
A - Accessory

## ACCESSORIES

**Table 2 – Accessories**

| Name | Image | Qty |
|---|---|---|
| Drain Fitting |  | 1 |
| Gasket |  | 1 |
| Flare-to-Braze Adapter |  | 1 |
| 5/8 Flare to 3/4 Flare Adapter (for 18K Regular Heat Series) |  | 1 |
| 6 feet of Drain Tubing | | 1 |

## Outdoor Units

### Crankcase Heater

The crankcase heater is standard on all unit sizes. Heater clamps must be placed around the compressor oil sump.

### Base pan Heater

The base pan heater is standard on all unit sizes.

### Long Line Piping Length

Piping flexibility up to a total piping length of 213ft. (65m).

## DIMENSIONS

**Table 3 – Dimensions and Weights**

| System Size | | 18K (208/230 V) | 24K (208/230 V) | 30K (208/230 V) | 36K (208/230 V) | 48K (208/230 V) | 60K (208/230 V) |
|---|---|---|---|---|---|---|---|
| **Height (H)** | **in** | 21.81 | 26.5 | 31.89 | 31.89 | 38.39 | 38.39 |
| | **mm** | 554 | 673 | 810 | 810 | 975 | 975 |
| **Width (W)** | **in** | 31.69 | 35.04 | 37.24 | 37.24 | 38.58 | 38.58 |
| | **mm** | 805 | 890 | 946 | 946 | 980 | 980 |
| **Depth (D)** | **in** | 12.99 | 13.46 | 16.14 | 16.14 | 16.34 | 16.34 |
| | **mm** | 330 | 342 | 410 | 410 | 415 | 415 |
| **Weight -Net** | **lbs.** | 77.16 | 102.29 | 141.76 | 153.22 | 192.9 | 192.9 |
| | **kg** | 35 | 46.4 | 64.3 | 69.5 | 87.5 | 87.5 |
| **Packaging** | | | | | | | |
| **Height (H)** | **in** | 24.21 | 29.13 | 34.84 | 34.84 | 42.52 | 42.52 |
| | **mm** | 615 | 740 | 885 | 885 | 1080 | 1080 |
| **Width (W)** | **in** | 36.02 | 39.17 | 42.91 | 42.91 | 45.08 | 45.08 |
| | **mm** | 915 | 995 | 1090 | 1090 | 1145 | 1145 |
| **Depth (D)** | **in** | 14.57 | 15.67 | 19.68 | 19.68 | 19.68 | 19.68 |
| | **mm** | 370 | 398 | 500 | 500 | 500 | 500 |
| **Weight-Gross** | **lbs.** | 83.77 | 109.13 | 152.34 | 163.58 | 224.21 | 224.21 |
| | **kg** | 38 | 49.5 | 69.1 | 74.2 | 101.7 | 101.7 |

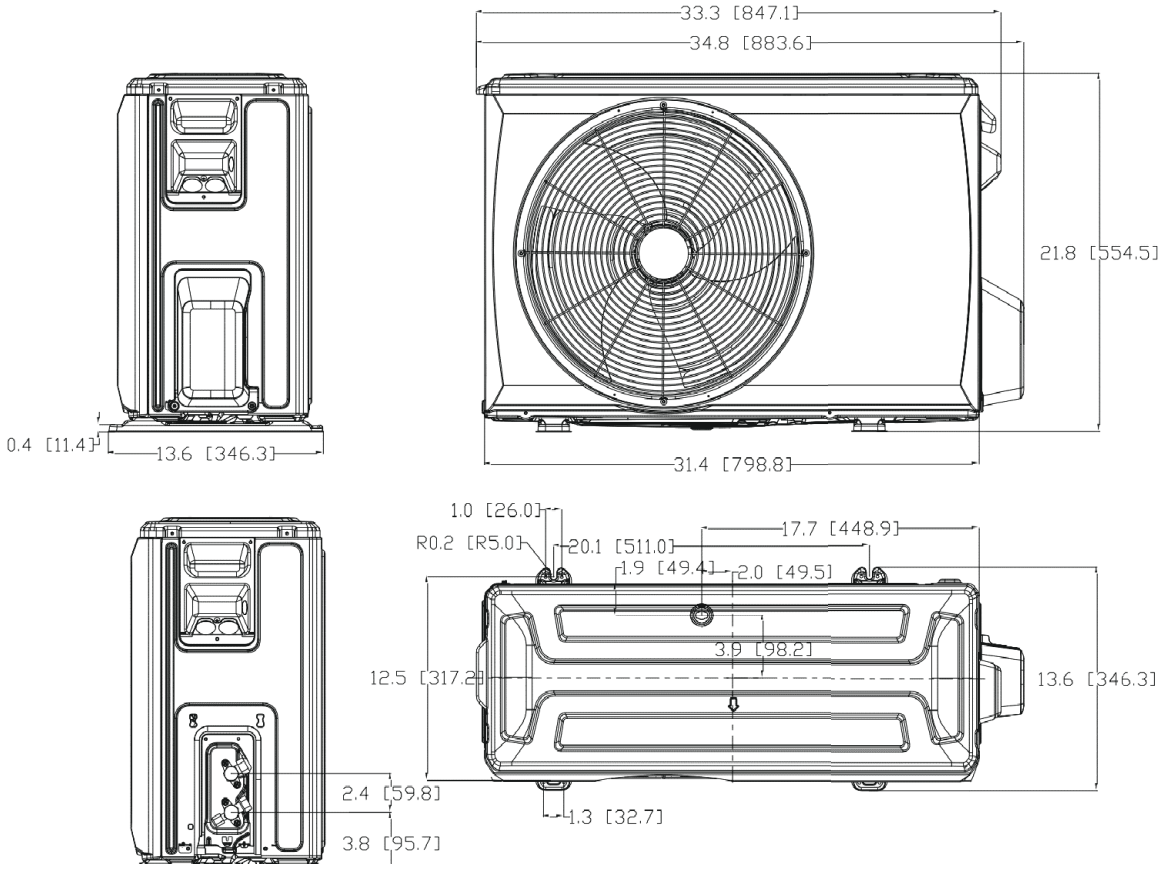



**Fig. 2 – Size 18K**

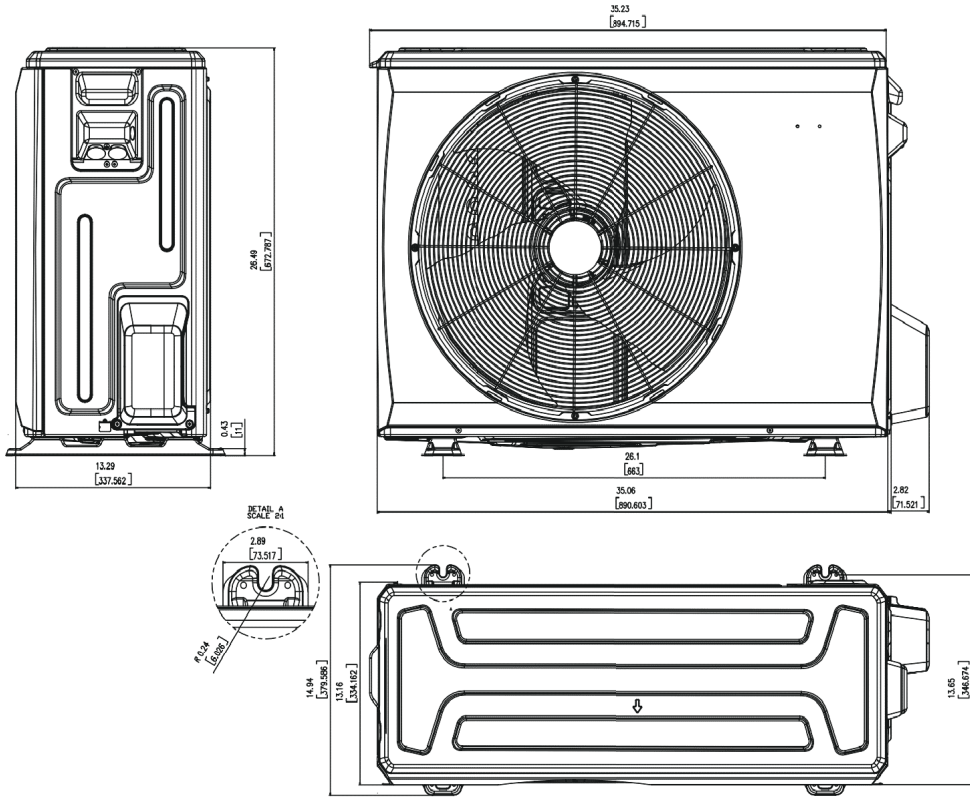



**Fig. 3 – Size 24K**

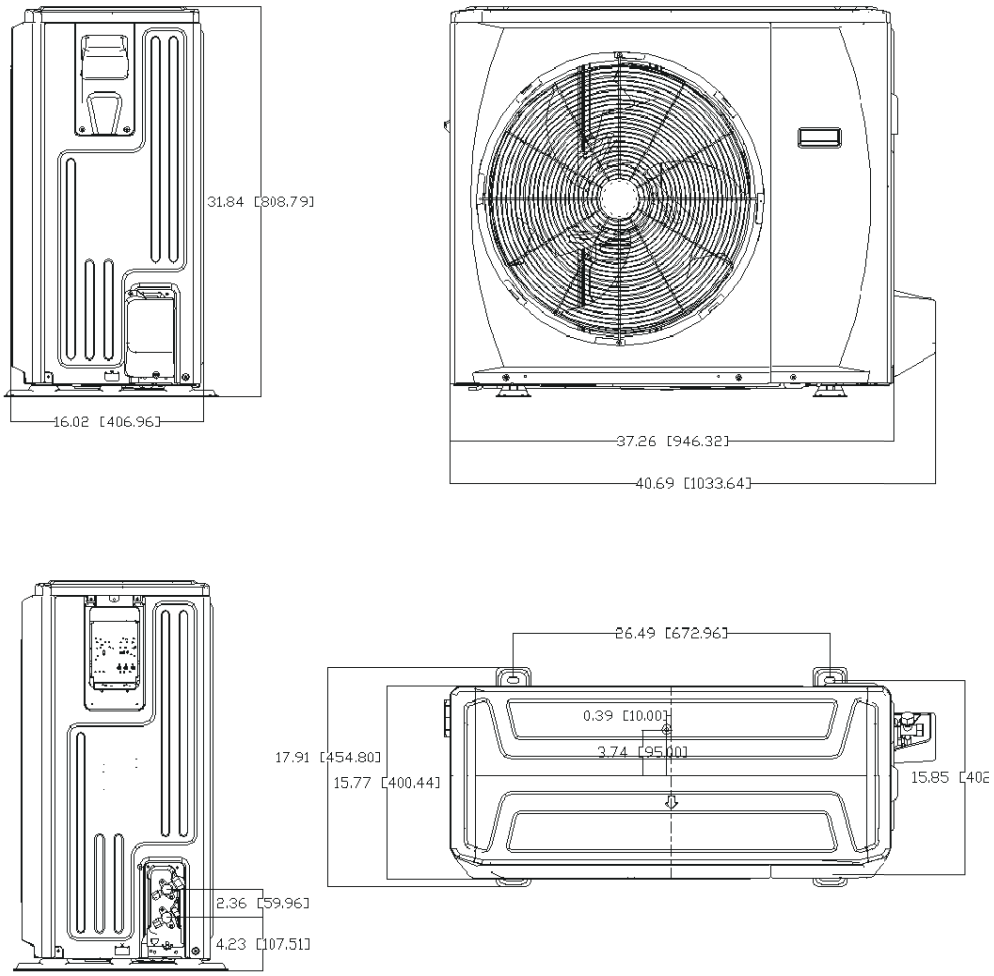



**Fig. 4 – Sizes 30/36K**

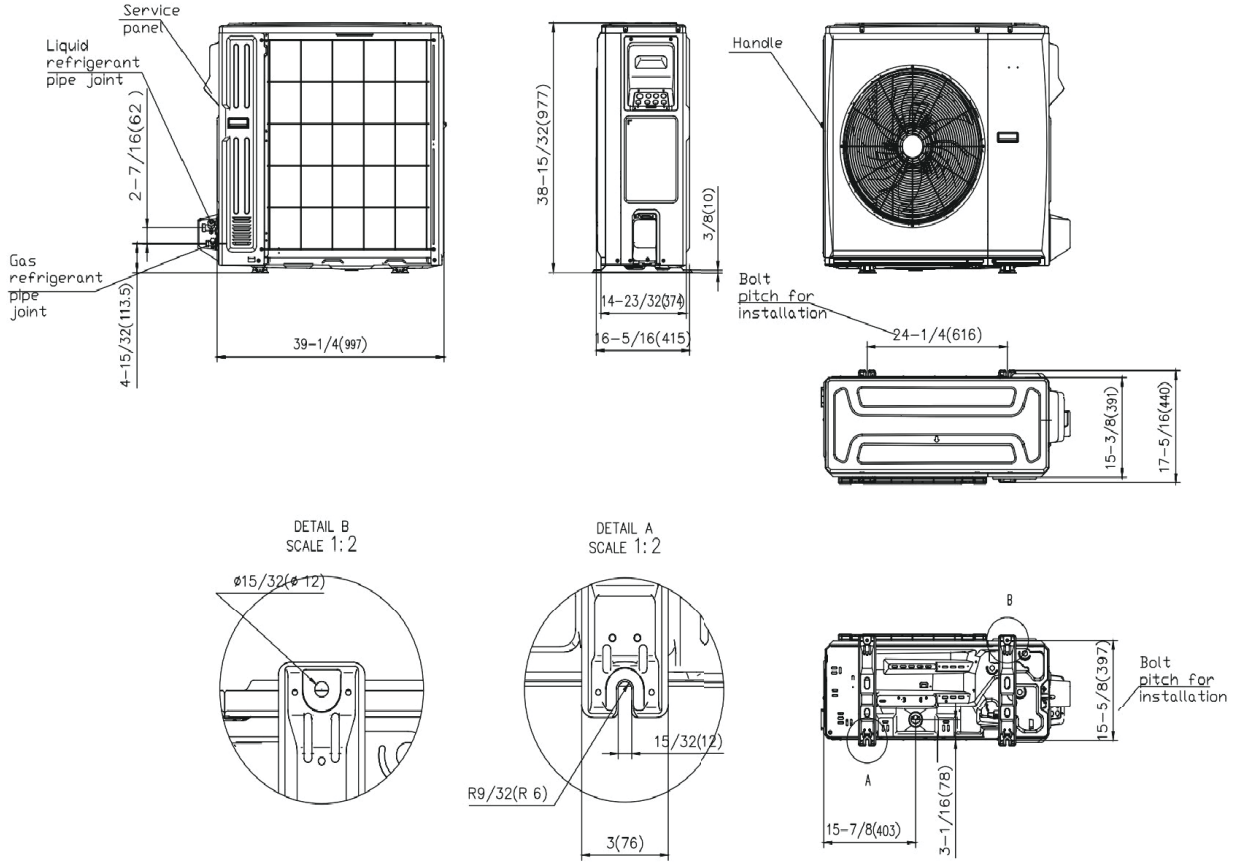



**Fig. 5 – Sizes 48/60K**

## CLEARANCES

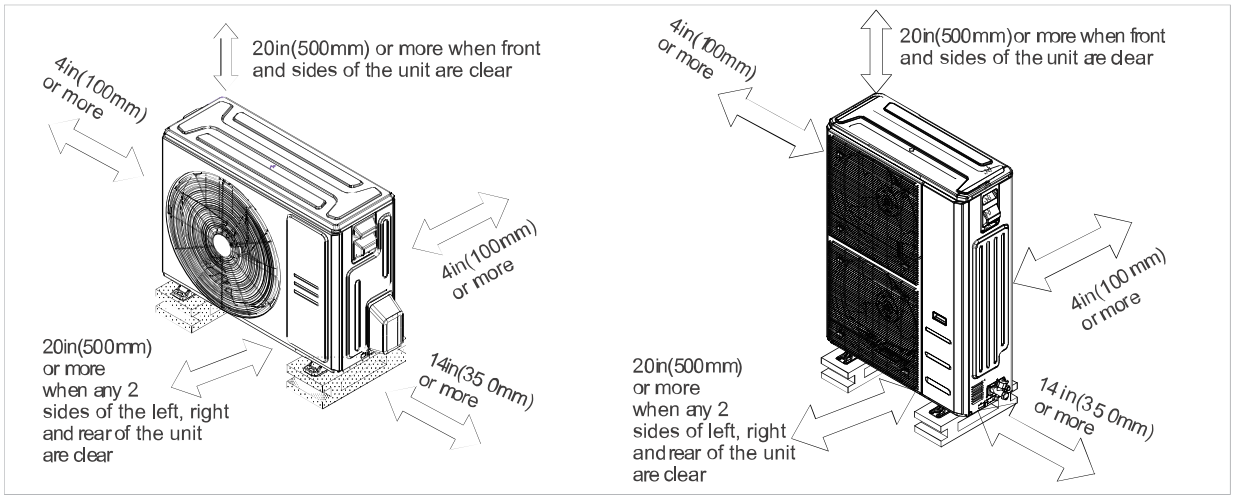



**Fig. 6 – Clearances**

**NOTE:** The outdoor unit must be mounted at least 2in (50mm) above the maximum anticipated snow depth.

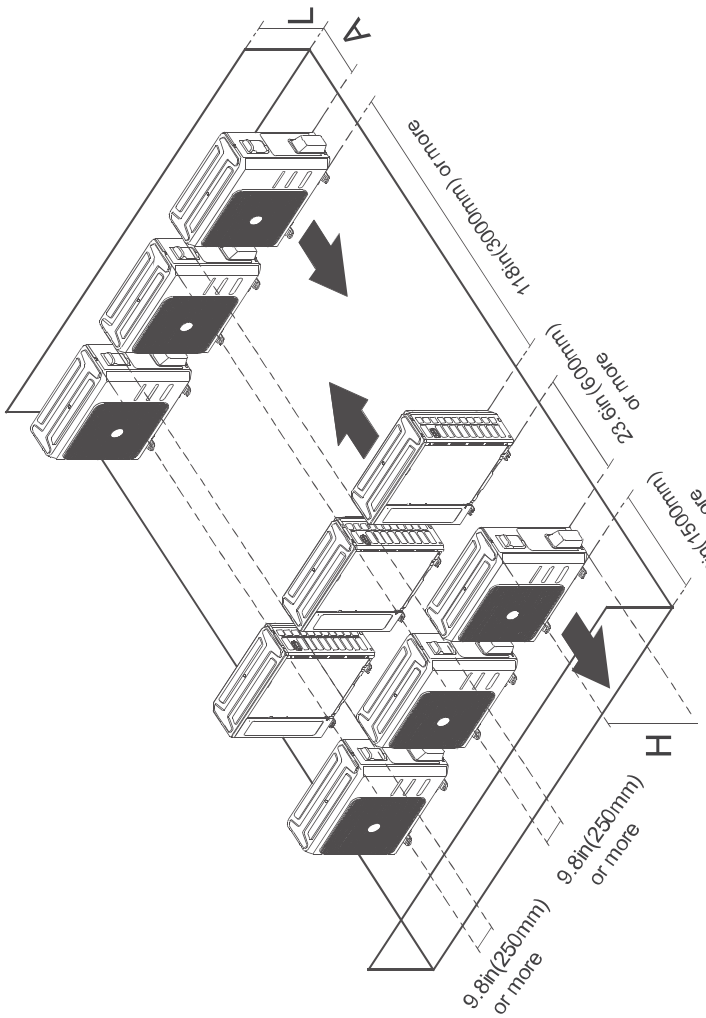



**Fig. 7 – Clearances for multiple units**

# SPECIFICATIONS

**Table 4 – Comprehensive Specifications**

| Outdoor Model | | | 37MURAQ18AA3 | 37MURAQ24AA3 | 37MURAQ30AA3 | 37MURAQ36AA3 | 37MURAQ48AA3 | 37MURAQ60AA3 |
|---|---|---|---|---|---|---|---|---|
| Power supply | | V;Ph;Hz | 208/230V;1Ph;60HZ | | | | | |
| COMPRESSOR SPECIFICATIONS | **Model** | | KSN140D58UFZ | KTM240D46UKT2 | KTF250D22UMT | KTF310D43UMT | MTH550UKPC8FU | MTH550UKPC8FU |
| | **Type** | | ROTARY | | | | | |
| | **Brand** | | GMCC | | | | HIGHLY | |
| | **Capacity** | W | 4315 | 4780/7600 | 8095 | 10010 | 16250 | 16250 |
| | | Btu/h | 14723 | 16309/25931 | 27620 | 34154 | 55445 | 55445 |
| | **Input** | W | 1090 | 805/2045 | 2200 | 2765 | 4900 | 4900 |
| | **Rated current** | A | 7.15 | 9.30 | 10 | 5.38 | 21 | 21 |
| | **Refrigerant Oil** | | ESTER OIL | | | | HAF68D1C | |
| | **Oil Type** | | VG74 | | | | HAF68D1C | |
| | **Oil Charge** | fl. Oz | 14.88 | 20.97 | 22.66 | 33.82 | 60.87 | 60.87 |
| OUTDOOR FAN SPECIFICATIONS | **Material** | | Acrylonitrile Styrene +20%GF | | | | | |
| | **Type** | | ZL-434*144*8-3KN | ZL-535*133*12-3KFN | ZL-560*139*12-3KN | ZL-560*139*12-3KN | ZL-570*196*15-3N | ZL-570*196*15-3N |
| | **Diameter** | inch | 17.1 | 21.1 | 22.0 | 22.0 | 22.4 | 22.4 |
| | | mm | 434 | 535 | 560 | 560 | 570 | 570 |
| | **Height** | inch | 5.7 | 5.2 | 5.5 | 5.5 | 7.7 | 7.7 |
| | | mm | 144 | 133 | 139 | 139 | 196 | 196 |
| OUTDOOR MOTOR SPECIFICATIONS | Model | | ZKFN-34-10-1L-1 | ZKFN-80-8-3 | ZKFN-120-8-2 | ZKFN-120-10-1L | ZKFN-250-10-1 | ZKFN-250-10-1 |
| | **Type** | | DC | DC | DC | DC | DC | DC |
| | **Input** | W | 35.4 | 94.7 | 91.0 | 81.8 | 228.0 | 228.0 |
| | **Max. input** | W | 81.0 | 239.0 | 176.0 | 181.0 | 365.0 | 365.0 |
| | **Output** | W | 26.6 | 71 | 68.3 | 61.4 | 171.0 | 171.0 |
| | **FLA** | A | 0.8 | 1 | 1.1 | 1.5 | 2 | 1.2 |
| | **Rated HP** | HP | 0.04 | 0.10 | 0.09 | 0.08 | 0.23 | 0.23 |
| | **Range of current** | Amps | 0.57~0.85 | 0.3~1.85 | 0.79~1.67 | 0.84~1.69 | 1.28~2.96 | 1.28~2.96 |
| | **Rated current** | Amps | 0.620 | 0.82 | 1.09 | 1.05 | 2.00 | 2.00 |
| | **Speed** | rev/min | 840/700/650 | 810/700/450 | 850/700/500 | 800/750/500 | 850/800/750/650 | 850/800/750/650 |
| | **Rated RPM** | rev/min | 840 | 810 | 850 | 800 | 850 | 850 |
| | **Insulation class** | | B | E | E | B | B | B |
| | **Safe class** | | IP24 | IPX4 | IPX4 | IP44 | IP44 | IP44 |

Manufacturer reserves the right to change, at any time, specifications and designs without notice and without obligations.

**Table 4 – Comprehensive Specifications (Continued)**

| Outdoor Model | | | 37MURAQ18AA3 | 37MURAQ24AA3 | 37MURAQ30AA3 | 37MURAQ36AA3 | 37MURAQ48AA3 | 37MURAQ60AA3 |
|---|---|---|---|---|---|---|---|---|
| OUTDOOR REFRIGERANT COIL SPECIFICATIONS | Number of rows | Rows | 2 | 2 | 2.6 | 3 | 3 | 3 |
| | Tube outside dia. | inch | 0.276 | 0.276 | 0.276 | 0.276 | 0.276 | 0.276 |
| | | mm | Φ7 | Φ7 | Φ7 | Φ7 | Φ7 | Φ7 |
| | Nominal Tube Wall | in (mm) | 0.00945 (0.24) | 0.00945 (0.24) | 0.00945 (0.24) | 0.00945 (0.24) | 0.00945 (0.24) | 0.00945 (0.24) |
| | Tube Enhancement | (Yes/No) | Yes | Yes | Yes | Yes | Yes | Yes |
| | Tube Material | | Copper | Copper | Copper | Copper | Copper | Copper |
| | Tube pitch(a)x row pitch(b) | inch | 0.83× 0.87 | 0.83× 0.87 | 0.83x0.53 | 0.83x0.53 | 0.83x0.53 | 0.83x0.53 |
| | | mm | 21x22 | 21x22 | 21x13.37 | 21x13.37 | 21x13.37 | 21x13.37 |
| | Fin Spacing | FPI | 20 | 20 | 19 | 19 | 20 | 20 |
| | | mm | 1.3 | 1.3 | 1.4 | 1.4 | 1.3 | 1.3 |
| | Fin type | | Flat fin | Flat fin | Louvered | Louvered | Flat fin | Flat fin |
| | Fin Material | | Gold hydrophilic aluminum | | | | | |
| | Coil length x height x width | inch | 33.86x19.84x1.73 | 35.43x23.98x0.86+34.06x23.98x0.86 | 39.57x29.76x1.05+23.54x29.76x0.53 | 39.37x29.76x0.53+38.58x29.76x0.53+37.64x29.76x0.53 | 29.92x36.38x1.58 | 29.92x36.38x1.58 |
| | | mm | 860*504*44 | 900*609*22+865*609*22 | 1005x756x26.74+598x756x13.37 | 1000x756x13.37+980x756x13.37+965x756x13.37 | 760*924*40.11 | 760*924*40.11 |
| | Face area | ft2 | 4.67 | 5.90 | 8.18 | 8.14 | 7.56 | 7.56 |
| | Number of circuits | # | 4 | 6 | 6 | 6 | 10 | 10 |
| | High Burst Pressure | Psi (MPa) | 550(3.79) | 550(3.79) | 550(3.79) | 550(3.79) | 550(3.79) | 550(3.79) |
| | Low Burst Pressure | Psi (MPa) | 340(2.34) | 340(2.34) | 340(2.34) | 340(2.34) | 340(2.34) | 340(2.34) |
| Piping and Refrigerant Information | Refrigerant Type | Type | R454B | R454B | R454B | R454B | R454B | R454B |
| | Charge Amount | lb. (kg) | 3.2(1.45) | 4.63(2.1) | 5.73(2.6) | 7.28(3.3) | 8.38(3.8) | 8.38(3.8) |
| | Additional refrigerant charge | Oz/ft (g/m) | 0.7(65) | 0.7(65) | 0.7(65) | 0.7(65) | 0.7(65) | 0.7(65) |
| | Liquid Pipe (size - connection type) | In (mm) | 3/8in (9.52mm) | 3/8in (9.52mm) | 3/8in (9.52mm) | 3/8in (9.52mm) | 3/8in (9.52mm) | 3/8in (9.52mm) |
| | Suction Pipe (size - connection type) | In (mm) | 3/4in (19mm) | 3/4in (19mm) | 3/4in (19mm) | 3/4in (19mm) | 3/4in (19mm) | 3/4in (19mm) |
| | Min. Piping Length | ft. (m) | 9.8 (3) | 9.8 (3) | 9.8 (3) | 9.8 (3) | 9.8 (3) | 9.8 (3) |
| | Standard Piping Length | ft. (m) | 24.6 (7.5) | 24.6 (7.5) | 24.6 (7.5) | 24.6 (7.5) | 24.6 (7.5) | 24.6 (7.5) |
| | Max. Piping Length with no additional refrigerant charge per System | ft. (m) | 24.6 (7.5) | 24.6 (7.5) | 24.6 (7.5) | 24.6 (7.5) | 24.6 (7.5) | 24.6 (7.5) |
| | Total Maximum Piping Length per system | ft. (m) | 98.42(30) | 164.04(50) | 164.04(50) | 246(75) | 246(75) | 246(75) |
| | Max. outdoor-indoor height difference (OU higher than IU) | ft. (m) | 65.62(20) | 82.02(25) | 82.02(25) | 98.42(30) | 98.42(30) | 98.42(30) |
| | Max. outdoor-indoor height difference (IU higher than OU) | ft. (m) | 65.62(20) | 82.02(25) | 82.02(25) | 98.42(30) | 98.42(30) | 98.42(30) |
| AIRFLOW SPECIFICATIONS | Outdoor (CFM) | CFM | 1451.7 | 1766.8 | 3003.5 | 2237.9 | 3037.1 | 3037.1 |
| SOUND DATA | Outdoor Sound Pressure Level | dB(A) | 55 | 60 | 60 | 63 | 65 | 65 |

Manufacturer reserves the right to change, at any time, specifications and designs without notice and without obligations.

**Table 4 – Comprehensive Specifications (Continued)**

| Outdoor Model | | | | 37MURAQ18AA3 | 37MURAQ24AA3 | 37MURAQ30AA3 | 37MURAQ36AA3 | 37MURAQ48AA3 | 37MURAQ60AA3 |
|---|---|---|---|---|---|---|---|---|---|
| ENVIRONMENTAL SPECIFICATIONS | Cooling Operating Range | Indoor Min - Max DB | °F | 60~90 | 60~90 | 60~90 | 60~90 | 60~90 | 60~90 |
| | | | (°C) | (16-32) | (16-32) | (16-32) | (16-32) | (16-32) | (16-32) |
| | | Indoor Min - Max WB | °F | 59-84 | 59-84 | 59-84 | 59-84 | 59-84 | 59-84 |
| | | | (°C) | (15-29) | (15-29) | (15-29) | (15-29) | (15-29) | (15-29) |
| | | Outdoor Min - Max DB | °F | -13~122 | -13~122 | -13~122 | -13~122 | -13~122 | -13~122 |
| | | | (°C) | (-25~50) | (-25~50) | (-25~50) | (-25~50) | (-25~50) | (-25~50) |
| | Heating Operating Range | Indoor Min - Max DB | °F | 32-86 | 32-866 | 32-86 | 32-86 | 32-86 | 32-86 |
| | | | (°C) | (0-30) | (0-30) | (0-30) | (0-30) | (0-30) | (0-30) |
| | | Outdoor Min - Max DB | °F | -13~75 | -13~75 | -13~75 | -13~75 | -13~75 | -13~75 |
| | | | (°C) | (-25~24) | (-25~24) | (-25~24) | (-25~24) | (-25~24) | (-25~24) |
| | Cooling Cut-in | Temperature | °F | NA | NA | NA | NA | NA | NA |
| | | | (°C) | NA | NA | NA | NA | NA | NA |
| | Cooling Cut-out | Temperature | °F | NA | NA | NA | NA | NA | NA |
| | | | (°C) | NA | NA | NA | NA | NA | NA |
| | Heating Cut-in | Temperature | °F | NA | NA | NA | NA | NA | NA |
| | | | (°C) | NA | NA | NA | NA | NA | NA |
| | Heating Cut-Out | Temperature | °F | NA | NA | NA | NA | NA | NA |
| | | | (°C) | NA | NA | NA | NA | NA | NA |
| | Non-operating environment Storage Temperature range (DB) | | °F | -49-140 | -49-140 | -49-140 | -49-140 | -49-140 | -49-140 |
| | | | (°C) | (-45-60) | (-45-60) | (-45-60) | (-45-60) | (-45-60) | (-45-60) |
| | Operation Humidity | | % | 0-80% | 0-80% | 0-80% | 0-80% | 0-80% | 0-80% |
| | Ambient Humidity | | % | 0-80% | 0-80% | 0-80% | 0-80% | 0-80% | 0-80% |

# PERFORMANCE DATA

| Indoor unit type | | | AHU3 | | | | | |
|---|---|---|---|---|---|---|---|---|
| Indoor model | | | 45MUAAQ18XX3 | 45MUAAQ24XX3 | 45MUAAQ30XX3 | 45MUAAQ36XX3 | 45MUAAQ48XX3 | 45MUAAQ60XX3 |
| Outdoor model | | | 37MURAQ18AA3 | 37MURAQ24AA3 | 37MURAQ30AA3 | 37MURAQ36AA3 | 37MURAQ48AA3 | 37MURAQ60AA3 |
| Performance Data | Power supply | V;Ph;Hz | 208/230V;1Ph;60HZ | 208/230V;1Ph;60HZ | 208/230V;1Ph;60HZ | 208/230V;1Ph;60HZ | 208/230V;1Ph;60HZ | 208/230V;1Ph;60HZ |
| | Cooling Rated Capacity (DOE A2 - 95°F) | Btu/h | 18000 | 24000 | 30000 | 36000 | 48000 | 54000 |
| | Cooling Capacity Range | Btu/h | 5350~20000 | 7200~27000 | 10400~34000 | 8300~38900 | 16600-49900 | 21000-55000 |
| | SEER2 | Btu/h.W | **18.8** | **18.2** | **17** | **16.2** | **16** | **15.2** |
| | EER2 (DOE A2 - 95°F) | Btu/h.W | **11** | **11** | **10.8** | **10** | **10** | **8.7** |
| | Heating Rated Capacity (DOE H12 - 47°F) | Btu/h | 18000 | 26000 | 31000 | 36000 | 48000 | 54000 |
| | Heating Capacity Range | Btu/h | 5600~19000 | 7100~30000 | 6400~32000 | 6700~41300 | 15300-49500 | 26000-55000 |
| | COP (DOE H12 - 47°F) | W/W | 3.15 | 3.18 | 3.5 | 3.4 | 3.45 | 3.37 |
| | HSPF2 IV | Btu/h.W | **9.2** | **9.7** | **8.5** | **8.7** | **8.5** | **8.4** |
| | HSPF2 V | Btu/h.W | **7** | **7.7** | **6.6** | **7** | **7.2** | **6.8** |
| | Cooling Rated Capacity (DOE B2 - 82°F) | Btu/h | 18800 | 25600 | 32400 | 36400 | 44000 | 55000 |
| | EER (DOE B2 - 82°F) | Btu/h.W | 13 | 13.8 | 13.5 | 12.1 | 10.9 | 10 |
| | Heating Rated Capacity (DOE H32 - 17°F) | Btu/h | 12600 | 20000 | 18500 | 25600 | 32400 | 33000 |
| | COP (DOE H32 - 17°F) | W/W | 2.6 | 2.42 | 2.4 | 2.6 | 2.47 | 2.34 |
| | Heating Maximum Capacity (17°F) | Btu/h | 12600 | 22000 | 20600 | 30000 | 39000 | 40000 |
| | Heating Rated Capacity (DOE H42 - 5°F) | Btu/h | 11200 | 21600 | 19100 | 27000 | 38000 | 38000 |
| | COP (DOE H42 - 5°F) | W/W | 2 | 1.87 | 2 | 2 | 1.85 | 1.8 |
| | Heating Maximum Capacity (5°F) | Btu/h | 11200 | 21600 | 19100 | 27000 | 38000 | 38000 |

## COOLING PERFORMANCE - 37MURA + 45MUAA

For the following tables:
TC = Total Cooling Capacity (BTU/hr)
S/T = Sensible Cooling Capacity Ratio
PI = Power Input (kW)

Extrapolated Data: The highlighted data is tested; other data is simulated and for reference.

Manufacturer reserves the right to change, at any time, specifications and designs without notice and without obligations.

## Table 5 – 18K Cooling — 37MURA + 45MUAA

| Airflow CFM | Out-door DB °F | ID WB °F | 60.8°F (16.0°C) | | | | | 64.4°F (16.0°C) | | | | | 67.0°F (19.4°C) | | | | | 71.6°F (22.0°C) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ID DB °F | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C |
| 490 | -13°F 25°C | TC | 14173 | 14171 | 14169 | 14169 | 14166 | 14832 | 14829 | 14826 | 14826 | 14823 | 15300 | 15296 | 15293 | 15292 | 15289 | 16177 | 16173 | 16170 | 16169 | 16164 |
| | | S/T | 0.72 | 0.80 | 0.87 | 0.88 | 0.97 | 0.59 | 0.67 | 0.74 | 0.76 | 0.83 | 0.51 | 0.59 | 0.66 | 0.67 | 0.75 | 0.38 | 0.46 | 0.51 | 0.52 | 0.60 |
| | | PI | 0.68 | 0.68 | 0.68 | 0.68 | 0.68 | 0.67 | 0.67 | 0.67 | 0.67 | 0.67 | 0.67 | 0.67 | 0.67 | 0.67 | 0.67 | 0.66 | 0.66 | 0.66 | 0.66 | 0.66 |
| | -4°F 20°C | TC | 15263 | 15261 | 15259 | 15259 | 15256 | 15973 | 15969 | 15967 | 15966 | 15963 | 16477 | 16473 | 16469 | 16468 | 16465 | 17422 | 17417 | 17413 | 17413 | 17407 |
| | | S/T | 0.72 | 0.80 | 0.88 | 0.89 | 0.97 | 0.60 | 0.68 | 0.75 | 0.76 | 0.84 | 0.52 | 0.59 | 0.66 | 0.67 | 0.75 | 0.39 | 0.47 | 0.51 | 0.52 | 0.60 |
| | | PI | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.69 | 0.69 | 0.69 | 0.69 | 0.69 | 0.69 | 0.69 | 0.69 | 0.69 | 0.69 | 0.69 | 0.69 | 0.69 | 0.69 | 0.69 |
| | 0°F 17.8°C | TC | 15760 | 15757 | 15754 | 15754 | 15749 | 16486 | 16483 | 16479 | 16478 | 16474 | 17000 | 16996 | 16992 | 16991 | 16986 | 17959 | 17955 | 17951 | 17951 | 17944 |
| | | S/T | 0.72 | 0.81 | 0.88 | 0.90 | 0.98 | 0.60 | 0.68 | 0.75 | 0.76 | 0.85 | 0.52 | 0.60 | 0.67 | 0.68 | 0.76 | 0.39 | 0.47 | 0.52 | 0.53 | 0.60 |
| | | PI | 0.71 | 0.71 | 0.71 | 0.71 | 0.71 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 |
| | 5°F 15°C | TC | 16254 | 16254 | 16254 | 16254 | 16497 | 17066 | 17063 | 17062 | 17062 | 17064 | 17649 | 17648 | 17645 | 17645 | 17647 | 18768 | 18763 | 18759 | 18758 | 18758 |
| | | S/T | 0.73 | 0.82 | 0.90 | 0.91 | 1.00 | 0.60 | 0.69 | 0.76 | 0.77 | 0.86 | 0.52 | 0.60 | 0.67 | 0.68 | 0.77 | 0.39 | 0.47 | 0.52 | 0.53 | 0.61 |
| | | PI | 0.72 | 0.72 | 0.72 | 0.72 | 0.71 | 0.71 | 0.71 | 0.71 | 0.71 | 0.71 | 0.71 | 0.71 | 0.71 | 0.71 | 0.71 | 0.72 | 0.72 | 0.72 | 0.72 | 0.72 |
| | 14°F 10°C | TC | 17302 | 17299 | 17297 | 17297 | 17381 | 18210 | 18205 | 18202 | 18202 | 18199 | 18859 | 18854 | 18850 | 18849 | 18845 | 20091 | 20086 | 20081 | 20080 | 20073 |
| | | S/T | 0.73 | 0.81 | 0.89 | 0.90 | 0.99 | 0.60 | 0.68 | 0.75 | 0.76 | 0.85 | 0.52 | 0.60 | 0.66 | 0.68 | 0.76 | 0.39 | 0.47 | 0.51 | 0.53 | 0.60 |
| | | PI | 0.65 | 0.65 | 0.65 | 0.65 | 0.65 | 0.65 | 0.65 | 0.65 | 0.65 | 0.65 | 0.64 | 0.64 | 0.64 | 0.64 | 0.64 | 0.64 | 0.64 | 0.64 | 0.64 | 0.64 |
| | 17°F 10°C | TC | 17663 | 17659 | 17657 | 17656 | 17911 | 18589 | 18585 | 18581 | 18580 | 18581 | 19254 | 19254 | 19251 | 19251 | 19253 | 20555 | 20549 | 20544 | 20543 | 20544 |
| | | S/T | 0.73 | 0.82 | 0.89 | 0.91 | 1.00 | 0.60 | 0.69 | 0.76 | 0.77 | 0.85 | 0.52 | 0.60 | 0.67 | 0.68 | 0.76 | 0.39 | 0.47 | 0.52 | 0.53 | 0.61 |
| | | PI | 0.62 | 0.62 | 0.62 | 0.62 | 0.62 | 0.62 | 0.62 | 0.62 | 0.62 | 0.62 | 0.62 | 0.62 | 0.62 | 0.62 | 0.62 | 0.62 | 0.62 | 0.62 | 0.62 | 0.62 |
| | 23°F 5°C | TC | 17678 | 17679 | 17679 | 17690 | 18013 | 18630 | 18626 | 18626 | 18626 | 18628 | 19314 | 19313 | 19310 | 19310 | 19312 | 20631 | 20625 | 20620 | 20619 | 20619 |
| | | S/T | 0.74 | 0.83 | 0.90 | 0.91 | 1.00 | 0.61 | 0.69 | 0.77 | 0.78 | 0.86 | 0.52 | 0.60 | 0.67 | 0.69 | 0.77 | 0.39 | 0.47 | 0.52 | 0.53 | 0.61 |
| | | PI | 0.67 | 0.67 | 0.67 | 0.67 | 0.67 | 0.68 | 0.68 | 0.68 | 0.68 | 0.68 | 0.68 | 0.68 | 0.68 | 0.68 | 0.68 | 0.69 | 0.69 | 0.69 | 0.69 | 0.69 |
| | 35°F 1.7°C | TC | 17854 | 17853 | 17852 | 17851 | 17876 | 18779 | 18777 | 18775 | 18775 | 18773 | 19433 | 19429 | 19428 | 19427 | 19425 | 20657 | 20652 | 20648 | 20647 | 20646 |
| | | S/T | 0.70 | 0.78 | 0.85 | 0.86 | 0.93 | 0.59 | 0.66 | 0.72 | 0.74 | 0.81 | 0.51 | 0.58 | 0.64 | 0.65 | 0.73 | 0.39 | 0.46 | 0.50 | 0.51 | 0.58 |
| | | PI | 0.72 | 0.72 | 0.72 | 0.72 | 0.72 | 0.76 | 0.76 | 0.76 | 0.76 | 0.76 | 0.79 | 0.79 | 0.79 | 0.79 | 0.79 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 |
| | 41°F 5°C | TC | 16123 | 16121 | 16120 | 16120 | 16158 | 16952 | 16950 | 16948 | 16948 | 16946 | 17537 | 17534 | 17533 | 17532 | 17529 | 18634 | 18630 | 18627 | 18626 | 18625 |
| | | S/T | 0.71 | 0.79 | 0.86 | 0.87 | 0.95 | 0.59 | 0.67 | 0.73 | 0.74 | 0.82 | 0.51 | 0.59 | 0.65 | 0.66 | 0.73 | 0.39 | 0.46 | 0.51 | 0.52 | 0.59 |
| | | PI | 0.73 | 0.73 | 0.73 | 0.73 | 0.74 | 0.78 | 0.78 | 0.78 | 0.78 | 0.78 | 0.81 | 0.81 | 0.81 | 0.81 | 0.81 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 |
| | 47°F 8.3°C | TC | 14387 | 14385 | 14385 | 14385 | 14435 | 15122 | 15120 | 15118 | 15118 | 15117 | 15642 | 15638 | 15637 | 15637 | 15634 | 16613 | 16609 | 16606 | 16605 | 16604 |
| | | S/T | 0.71 | 0.80 | 0.87 | 0.88 | 0.96 | 0.59 | 0.67 | 0.74 | 0.75 | 0.83 | 0.51 | 0.59 | 0.65 | 0.66 | 0.74 | 0.39 | 0.46 | 0.51 | 0.52 | 0.59 |
| | | PI | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.79 | 0.79 | 0.79 | 0.79 | 0.79 | 0.83 | 0.83 | 0.83 | 0.83 | 0.83 | 0.91 | 0.91 | 0.91 | 0.91 | 0.91 |
| | 50°F 10°C | TC | 14060 | 14063 | 14192 | 14307 | 14838 | 14911 | 14914 | 14918 | 14919 | 14974 | 15528 | 15529 | 15536 | 15538 | 15544 | 16724 | 16718 | 16720 | 16719 | 16734 |
| | | S/T | 0.79 | 0.89 | 0.99 | 1.00 | 1.00 | 0.64 | 0.74 | 0.82 | 0.84 | 0.94 | 0.54 | 0.64 | 0.72 | 0.73 | 0.83 | 0.39 | 0.46 | 0.54 | 0.56 | 0.65 |
| | | PI | 0.84 | 0.84 | 0.84 | 0.84 | 0.84 | 0.84 | 0.84 | 0.84 | 0.84 | 0.84 | 0.84 | 0.84 | 0.84 | 0.84 | 0.84 | 0.84 | 0.84 | 0.84 | 0.84 | 0.84 |
| | 59°F 15°C | TC | 13720 | 13741 | 14012 | 14094 | 14645 | 14593 | 14596 | 14599 | 14599 | 14689 | 15232 | 15228 | 15234 | 15235 | 15239 | 16456 | 16449 | 16450 | 16450 | 16462 |
| | | S/T | 0.80 | 0.91 | 1.00 | 1.00 | 1.00 | 0.65 | 0.75 | 0.84 | 0.86 | 0.96 | 0.54 | 0.65 | 0.73 | 0.75 | 0.85 | 0.39 | 0.47 | 0.55 | 0.56 | 0.66 |
| | | PI | 0.86 | 0.86 | 0.86 | 0.86 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 |
| | 68°F 20°C | TC | 13391 | 13435 | 13814 | 13899 | 14467 | 14280 | 14283 | 14285 | 14285 | 14457 | 14929 | 14926 | 14932 | 14932 | 14935 | 16177 | 16171 | 16171 | 16171 | 16183 |
| | | S/T | 0.82 | 0.94 | 1.00 | 1.00 | 1.00 | 0.66 | 0.77 | 0.86 | 0.88 | 1.00 | 0.55 | 0.66 | 0.75 | 0.77 | 0.87 | 0.39 | 0.47 | 0.56 | 0.57 | 0.67 |
| | | PI | 0.88 | 0.89 | 0.89 | 0.89 | 0.90 | 0.89 | 0.89 | 0.89 | 0.89 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.91 | 0.91 | 0.91 | 0.91 | 0.91 |
| | 77°F 25°C | TC | 13043 | 13107 | 13557 | 13646 | 14233 | 13955 | 13960 | 13963 | 13977 | 14253 | 14623 | 14622 | 14629 | 14630 | 14648 | 15907 | 15899 | 15901 | 15902 | 15920 |
| | | S/T | 0.83 | 0.96 | 1.00 | 1.00 | 1.00 | 0.66 | 0.78 | 0.88 | 0.89 | 1.00 | 0.55 | 0.67 | 0.76 | 0.78 | 0.88 | 0.39 | 0.48 | 0.56 | 0.58 | 0.68 |
| | | PI | 0.92 | 0.92 | 0.92 | 0.92 | 0.93 | 0.92 | 0.92 | 0.92 | 0.92 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 |
| | 82°F 27.8°C | TC | 13350 | 13436 | 13952 | 14044 | 14665 | 14309 | 14316 | 14328 | 14340 | 14686 | 15010 | 15011 | 15020 | 15021 | 15046 | 16361 | 16353 | 16356 | 16357 | 16379 |
| | | S/T | 0.84 | 0.97 | 1.00 | 1.00 | 1.00 | 0.67 | 0.79 | 0.88 | 0.90 | 1.00 | 0.56 | 0.67 | 0.77 | 0.78 | 0.89 | 0.39 | 0.48 | 0.57 | 0.58 | 0.68 |
| | | PI | 1.03 | 1.03 | 1.04 | 1.04 | 1.04 | 1.04 | 1.04 | 1.04 | 1.04 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.06 | 1.06 | 1.06 | 1.06 | 1.06 |
| | 86°F 30°C | TC | 14226 | 14351 | 14949 | 15050 | 15726 | 15266 | 15273 | 15294 | 15309 | 15749 | 16025 | 16028 | 16036 | 16037 | 16073 | 17489 | 17480 | 17483 | 17487 | 17509 |
| | | S/T | 0.85 | 0.98 | 1.00 | 1.00 | 1.00 | 0.67 | 0.80 | 0.89 | 0.91 | 1.00 | 0.56 | 0.68 | 0.77 | 0.79 | 0.90 | 0.39 | 0.48 | 0.57 | 0.59 | 0.69 |
| | | PI | 1.26 | 1.26 | 1.26 | 1.26 | 1.27 | 1.27 | 1.27 | 1.27 | 1.27 | 1.27 | 1.27 | 1.27 | 1.27 | 1.27 | 1.27 | 1.29 | 1.29 | 1.29 | 1.29 | 1.29 |
| | 95°F 35°C | TC | 16435 | 16434 | 16436 | 16454 | 16875 | 17535 | 17531 | 17530 | 17530 | 17533 | 18329 | 18327 | 18323 | 18323 | 18323 | 19862 | 19855 | 19850 | 19849 | 19849 |
| | | S/T | 0.74 | 0.83 | 0.91 | 0.92 | 1.00 | 0.61 | 0.69 | 0.77 | 0.78 | 0.87 | 0.52 | 0.60 | 0.67 | 0.69 | 0.77 | 0.39 | 0.47 | 0.52 | 0.53 | 0.61 |
| | | PI | 1.69 | 1.69 | 1.69 | 1.69 | 1.71 | 1.75 | 1.75 | 1.75 | 1.75 | 1.74 | 1.78 | 1.78 | 1.78 | 1.78 | 1.78 | 1.86 | 1.86 | 1.86 | 1.86 | 1.86 |
| | 104°F 40°C | TC | 14097 | 14097 | 14122 | 14142 | 14613 | 15038 | 15035 | 15035 | 15035 | 15038 | 15718 | 15717 | 15713 | 15713 | 15715 | 17030 | 17024 | 17020 | 17019 | 17019 |
| | | S/T | 0.75 | 0.85 | 0.93 | 0.95 | 1.00 | 0.61 | 0.71 | 0.78 | 0.80 | 0.89 | 0.52 | 0.61 | 0.69 | 0.70 | 0.79 | 0.39 | 0.45 | 0.52 | 0.54 | 0.62 |
| | | PI | 1.54 | 1.54 | 1.54 | 1.55 | 1.57 | 1.59 | 1.59 | 1.59 | 1.59 | 1.59 | 1.63 | 1.62 | 1.62 | 1.62 | 1.62 | 1.69 | 1.69 | 1.69 | 1.69 | 1.69 |
| | 110°F 43°C | TC | 12612 | 12630 | 12914 | 12997 | 13545 | 13505 | 13503 | 13506 | 13506 | 13583 | 14148 | 14146 | 14147 | 14148 | 14152 | 15388 | 15382 | 15382 | 15382 | 15381 |
| | | S/T | 0.80 | 0.91 | 1.00 | 1.00 | 1.00 | 0.64 | 0.75 | 0.84 | 0.86 | 0.96 | 0.54 | 0.65 | 0.73 | 0.75 | 0.85 | 0.39 | 0.47 | 0.55 | 0.56 | 0.66 |
| | | PI | 1.47 | 1.47 | 1.48 | 1.48 | 1.51 | 1.50 | 1.50 | 1.50 | 1.50 | 1.51 | 1.53 | 1.53 | 1.53 | 1.53 | 1.53 | 1.58 | 1.58 | 1.58 | 1.58 | 1.58 |
| | 115°F 46°C | TC | 10435 | 10475 | 10833 | 10904 | 11381 | 11193 | 11194 | 11196 | 11196 | 11398 | 11741 | 11740 | 11743 | 11744 | 11745 | 12796 | 12790 | 12789 | 12788 | 12794 |
| | | S/T | 0.83 | 0.95 | 1.00 | 1.00 | 1.00 | 0.66 | 0.77 | 0.87 | 0.89 | 1.00 | 0.55 | 0.66 | 0.75 | 0.77 | 0.88 | 0.39 | 0.47 | 0.56 | 0.57 | 0.67 |
| | | PI | 1.33 | 1.33 | 1.35 | 1.35 | 1.37 | 1.36 | 1.36 | 1.36 | 1.36 | 1.37 | 1.38 | 1.38 | 1.38 | 1.38 | 1.38 | 1.42 | 1.42 | 1.42 | 1.42 | 1.42 |
| | 122°F 50°C | TC | 7509 | 7833 | 8178 | 8237 | 8645 | 8098 | 8098 | 8169 | 8248 | 8657 | 8535 | 8537 | 8537 | 8537 | 8665 | 9379 | 9374 | 9380 | 9381 | 9383 |
| | | S/T | 0.93 | 1.00 | 1.00 | 1.00 | 1.00 | 0.72 | 0.86 | 0.99 | 1.00 | 1.00 | 0.59 | 0.73 | 0.84 | 0.86 | 1.00 | 0.39 | 0.50 | 0.61 | 0.62 | 0.75 |
| | | PI | 1.15 | 1.16 | 1.17 | 1.17 | 1.18 | 1.17 | 1.17 | 1.17 | 1.17 | 1.18 | 1.18 | 1.18 | 1.18 | 1.18 | 1.18 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 |

**Manufacturer reserves the right to change, at any time, specifications and designs without notice and without obligations.**

## Table 5 – 18K Cooling — 37MURA + 45MUAA (Continued)

| Airflow CFM | Out-door DB °F | ID WB °F | 60.8°F (16.0°C) | | | | | 64.4°F (16.0°C) | | | | | 67.0°F (19.4°C) | | | | | 71.6°F (22.0°C) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ID DB °F | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C |
| 530 | -13°F 25°C | TC | 14747 | 14744 | 14741 | 14741 | 15043 | 15411 | 15407 | 15403 | 15402 | 15397 | 15882 | 15877 | 15871 | 15870 | 15863 | 16765 | 16760 | 16754 | 16753 | 16742 |
| | | S/T | 0.75 | 0.84 | 0.92 | 0.93 | 1.00 | 0.61 | 0.70 | 0.78 | 0.79 | 0.88 | 0.52 | 0.61 | 0.69 | 0.70 | 0.79 | 0.38 | 0.46 | 0.53 | 0.54 | 0.62 |
| | | PI | 0.68 | 0.68 | 0.68 | 0.68 | 0.68 | 0.67 | 0.67 | 0.67 | 0.67 | 0.68 | 0.67 | 0.67 | 0.67 | 0.67 | 0.67 | 0.67 | 0.67 | 0.67 | 0.67 | 0.67 |
| | -4°F 20°C | TC | 15882 | 15878 | 15875 | 15875 | 16201 | 16597 | 16592 | 16588 | 16587 | 16581 | 17104 | 17098 | 17092 | 17091 | 17083 | 18054 | 18050 | 18042 | 18042 | 18030 |
| | | S/T | 0.75 | 0.84 | 0.92 | 0.94 | 1.00 | 0.61 | 0.71 | 0.78 | 0.79 | 0.88 | 0.53 | 0.61 | 0.69 | 0.70 | 0.79 | 0.39 | 0.46 | 0.53 | 0.54 | 0.63 |
| | | PI | 0.70 | 0.71 | 0.71 | 0.71 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 |
| | 0°F 17.8°C | TC | 16401 | 16396 | 16393 | 16392 | 16801 | 17132 | 17126 | 17120 | 17119 | 17111 | 17649 | 17642 | 17635 | 17633 | 17622 | 18610 | 18606 | 18604 | 18603 | 18606 |
| | | S/T | 0.75 | 0.85 | 0.93 | 0.95 | 1.00 | 0.62 | 0.71 | 0.79 | 0.80 | 0.90 | 0.53 | 0.62 | 0.70 | 0.71 | 0.80 | 0.39 | 0.46 | 0.53 | 0.55 | 0.63 |
| | | PI | 0.71 | 0.71 | 0.71 | 0.71 | 0.71 | 0.71 | 0.71 | 0.71 | 0.71 | 0.71 | 0.71 | 0.71 | 0.71 | 0.71 | 0.71 | 0.71 | 0.71 | 0.71 | 0.71 | 0.71 |
| | 5°F 15°C | TC | 16900 | 16901 | 16954 | 16978 | 17475 | 17723 | 17722 | 17724 | 17725 | 17746 | 18313 | 18312 | 18313 | 18314 | 18317 | 19438 | 19433 | 19433 | 19432 | 19434 |
| | | S/T | 0.76 | 0.86 | 0.94 | 0.96 | 1.00 | 0.62 | 0.72 | 0.80 | 0.81 | 0.90 | 0.53 | 0.62 | 0.70 | 0.72 | 0.81 | 0.39 | 0.46 | 0.54 | 0.55 | 0.64 |
| | | PI | 0.72 | 0.72 | 0.72 | 0.72 | 0.72 | 0.72 | 0.72 | 0.72 | 0.72 | 0.72 | 0.72 | 0.72 | 0.72 | 0.72 | 0.72 | 0.73 | 0.73 | 0.73 | 0.73 | 0.73 |
| | 14°F 10°C | TC | 17999 | 17995 | 17992 | 17991 | 18502 | 18919 | 18913 | 18908 | 18907 | 18901 | 19576 | 19570 | 19563 | 19561 | 19552 | 20825 | 20819 | 20811 | 20810 | 20797 |
| | | S/T | 0.75 | 0.85 | 0.93 | 0.95 | 1.00 | 0.62 | 0.71 | 0.79 | 0.80 | 0.89 | 0.53 | 0.62 | 0.69 | 0.71 | 0.79 | 0.39 | 0.46 | 0.53 | 0.54 | 0.63 |
| | | PI | 0.65 | 0.65 | 0.66 | 0.66 | 0.65 | 0.65 | 0.65 | 0.65 | 0.65 | 0.65 | 0.65 | 0.65 | 0.65 | 0.65 | 0.65 | 0.65 | 0.65 | 0.65 | 0.65 | 0.65 |
| | 17°F 10°C | TC | 18363 | 18357 | 18405 | 18431 | 18983 | 19300 | 19294 | 19298 | 19299 | 19319 | 19976 | 19976 | 19979 | 19981 | 19987 | 21287 | 21281 | 21283 | 21281 | 21286 |
| | | S/T | 0.76 | 0.86 | 0.94 | 0.96 | 1.00 | 0.62 | 0.72 | 0.80 | 0.81 | 0.90 | 0.53 | 0.62 | 0.70 | 0.71 | 0.80 | 0.39 | 0.46 | 0.53 | 0.55 | 0.63 |
| | | PI | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 |
| | 23°F 5°C | TC | 18382 | 18383 | 18458 | 18491 | 19098 | 19346 | 19346 | 19349 | 19349 | 19381 | 20039 | 20038 | 20040 | 20041 | 20046 | 21367 | 21360 | 21361 | 21360 | 21363 |
| | | S/T | 0.77 | 0.87 | 0.95 | 0.97 | 1.00 | 0.62 | 0.72 | 0.80 | 0.82 | 0.91 | 0.53 | 0.63 | 0.71 | 0.72 | 0.81 | 0.39 | 0.46 | 0.54 | 0.55 | 0.64 |
| | | PI | 0.68 | 0.68 | 0.68 | 0.68 | 0.68 | 0.68 | 0.68 | 0.68 | 0.68 | 0.68 | 0.68 | 0.68 | 0.68 | 0.68 | 0.68 | 0.69 | 0.69 | 0.69 | 0.69 | 0.69 |
| | 35°F 1.7°C | TC | 18595 | 18593 | 18594 | 18594 | 18833 | 19519 | 19516 | 19514 | 19514 | 19515 | 20168 | 20166 | 20163 | 20163 | 20162 | 21380 | 21375 | 21371 | 21370 | 21369 |
| | | S/T | 0.73 | 0.81 | 0.89 | 0.90 | 1.00 | 0.60 | 0.68 | 0.76 | 0.77 | 0.85 | 0.52 | 0.60 | 0.67 | 0.68 | 0.76 | 0.39 | 0.47 | 0.52 | 0.53 | 0.60 |
| | | PI | 0.73 | 0.73 | 0.73 | 0.73 | 0.74 | 0.77 | 0.77 | 0.77 | 0.77 | 0.77 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 |
| | 41°F 5°C | TC | 16747 | 16787 | 16788 | 16793 | 17069 | 17618 | 17614 | 17613 | 17613 | 17614 | 18200 | 18199 | 18196 | 18195 | 18195 | 19287 | 19283 | 19279 | 19278 | 19277 |
| | | S/T | 0.74 | 0.82 | 0.90 | 0.91 | 1.00 | 0.60 | 0.69 | 0.76 | 0.78 | 0.86 | 0.52 | 0.60 | 0.67 | 0.69 | 0.77 | 0.39 | 0.45 | 0.52 | 0.53 | 0.61 |
| | | PI | 0.74 | 0.74 | 0.74 | 0.74 | 0.75 | 0.78 | 0.78 | 0.78 | 0.78 | 0.78 | 0.82 | 0.82 | 0.82 | 0.82 | 0.82 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 |
| | 47°F 8.3°C | TC | 14980 | 14979 | 14979 | 14994 | 15289 | 15715 | 15712 | 15711 | 15711 | 15711 | 16233 | 16231 | 16229 | 16228 | 16228 | 17197 | 17193 | 17190 | 17189 | 17188 |
| | | S/T | 0.74 | 0.83 | 0.91 | 0.92 | 1.00 | 0.61 | 0.70 | 0.77 | 0.78 | 0.87 | 0.52 | 0.61 | 0.68 | 0.69 | 0.78 | 0.39 | 0.45 | 0.52 | 0.53 | 0.62 |
| | | PI | 0.75 | 0.75 | 0.75 | 0.75 | 0.77 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.84 | 0.84 | 0.84 | 0.84 | 0.84 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 |
| | 50°F 10°C | TC | 14610 | 14672 | 15086 | 15172 | 15745 | 15477 | 15487 | 15491 | 15507 | 15765 | 16105 | 16115 | 16124 | 16125 | 16149 | 17305 | 17299 | 17319 | 17323 | 17347 |
| | | S/T | 0.83 | 0.95 | 1.00 | 1.00 | 1.00 | 0.66 | 0.78 | 0.87 | 0.88 | 1.00 | 0.55 | 0.66 | 0.76 | 0.77 | 0.88 | 0.39 | 0.48 | 0.56 | 0.58 | 0.68 |
| | | PI | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 |
| | 59°F 15°C | TC | 14257 | 14359 | 14867 | 14956 | 15550 | 15150 | 15157 | 15180 | 15194 | 15570 | 15795 | 15803 | 15810 | 15811 | 15850 | 17035 | 17027 | 17044 | 17048 | 17066 |
| | | S/T | 0.85 | 0.97 | 1.00 | 1.00 | 1.00 | 0.67 | 0.79 | 0.89 | 0.91 | 1.00 | 0.56 | 0.68 | 0.77 | 0.79 | 0.90 | 0.39 | 0.48 | 0.57 | 0.59 | 0.69 |
| | | PI | 0.87 | 0.87 | 0.87 | 0.87 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 |
| | 68°F 20°C | TC | 13915 | 14149 | 14663 | 14755 | 15367 | 14826 | 14832 | 14873 | 14891 | 15387 | 15483 | 15492 | 15497 | 15497 | 15557 | 16750 | 16743 | 16759 | 16762 | 16776 |
| | | S/T | 0.87 | 1.00 | 1.00 | 1.00 | 1.00 | 0.69 | 0.81 | 0.91 | 0.93 | 1.00 | 0.57 | 0.69 | 0.79 | 0.81 | 0.93 | 0.39 | 0.49 | 0.58 | 0.60 | 0.71 |
| | | PI | 0.89 | 0.89 | 0.90 | 0.90 | 0.91 | 0.90 | 0.90 | 0.90 | 0.90 | 0.91 | 0.91 | 0.91 | 0.91 | 0.91 | 0.91 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 |
| | 77°F 25°C | TC | 13553 | 13869 | 14400 | 14495 | 15129 | 14490 | 14497 | 14553 | 14576 | 15148 | 15162 | 15175 | 15183 | 15184 | 15262 | 16463 | 16455 | 16481 | 16485 | 16504 |
| | | S/T | 0.88 | 1.00 | 1.00 | 1.00 | 1.00 | 0.69 | 0.82 | 0.93 | 0.95 | 1.00 | 0.57 | 0.70 | 0.80 | 0.82 | 0.94 | 0.39 | 0.49 | 0.59 | 0.60 | 0.72 |
| | | PI | 0.92 | 0.93 | 0.93 | 0.93 | 0.94 | 0.93 | 0.93 | 0.93 | 0.93 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| | 82°F 27.8°C | TC | 13883 | 14261 | 14822 | 14922 | 15591 | 14857 | 14865 | 14936 | 14966 | 15612 | 15563 | 15580 | 15588 | 15589 | 15687 | 16930 | 16933 | 16954 | 16959 | 16981 |
| | | S/T | 0.88 | 1.00 | 1.00 | 1.00 | 1.00 | 0.70 | 0.83 | 0.94 | 0.96 | 1.00 | 0.58 | 0.70 | 0.81 | 0.83 | 0.96 | 0.39 | 0.49 | 0.59 | 0.61 | 0.72 |
| | | PI | 1.04 | 1.05 | 1.05 | 1.05 | 1.06 | 1.05 | 1.05 | 1.05 | 1.05 | 1.06 | 1.06 | 1.06 | 1.06 | 1.06 | 1.06 | 1.07 | 1.07 | 1.07 | 1.07 | 1.07 |
| | 86°F 30°C | TC | 14805 | 15272 | 15884 | 15992 | 16722 | 15853 | 15860 | 15955 | 15997 | 16744 | 16617 | 16635 | 16643 | 16644 | 16773 | 18098 | 18099 | 18126 | 18131 | 18152 |
| | | S/T | 0.90 | 1.00 | 1.00 | 1.00 | 1.00 | 0.71 | 0.84 | 0.96 | 0.98 | 1.00 | 0.58 | 0.71 | 0.82 | 0.84 | 0.97 | 0.39 | 0.50 | 0.60 | 0.61 | 0.73 |
| | | PI | 1.27 | 1.27 | 1.28 | 1.28 | 1.29 | 1.28 | 1.28 | 1.28 | 1.28 | 1.29 | 1.29 | 1.29 | 1.29 | 1.28 | 1.29 | 1.30 | 1.30 | 1.30 | 1.30 | 1.30 |
| | 95°F 35°C | TC | 17096 | 17099 | 17193 | 17238 | 17948 | 18213 | 18211 | 18216 | 18217 | 18249 | 19017 | 19017 | 19016 | 19017 | 19026 | 20567 | 20560 | 20554 | 20563 | 20558 |
| | | S/T | 0.77 | 0.87 | 0.96 | 0.98 | 1.00 | 0.63 | 0.72 | 0.80 | 0.82 | 0.91 | 0.53 | 0.62 | 0.70 | 0.72 | 0.81 | 0.39 | 0.46 | 0.53 | 0.55 | 0.63 |
| | | PI | 1.71 | 1.71 | 1.71 | 1.71 | 1.75 | 1.76 | 1.76 | 1.76 | 1.76 | 1.76 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.87 | 1.87 | 1.87 | 1.87 | 1.87 |
| | 104°F 40°C | TC | 14661 | 14663 | 14814 | 14950 | 15539 | 15617 | 15616 | 15621 | 15621 | 15677 | 16307 | 16307 | 16308 | 16309 | 16315 | 17632 | 17626 | 17621 | 17626 | 17625 |
| | | S/T | 0.79 | 0.89 | 0.99 | 1.00 | 1.00 | 0.63 | 0.74 | 0.82 | 0.84 | 0.94 | 0.54 | 0.64 | 0.72 | 0.73 | 0.83 | 0.39 | 0.46 | 0.54 | 0.55 | 0.65 |
| | | PI | 1.56 | 1.56 | 1.56 | 1.57 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.61 | 1.64 | 1.64 | 1.64 | 1.64 | 1.64 | 1.71 | 1.71 | 1.71 | 1.71 | 1.71 |
| | 110°F 43°C | TC | 13114 | 13214 | 13723 | 13812 | 14401 | 14020 | 14025 | 14037 | 14050 | 14421 | 14677 | 14677 | 14683 | 14683 | 14709 | 15931 | 15926 | 15926 | 15927 | 15940 |
| | | S/T | 0.85 | 0.97 | 1.00 | 1.00 | 1.00 | 0.67 | 0.79 | 0.89 | 0.91 | 1.00 | 0.56 | 0.68 | 0.77 | 0.79 | 0.90 | 0.39 | 0.48 | 0.57 | 0.59 | 0.69 |
| | | PI | 1.48 | 1.49 | 1.51 | 1.51 | 1.53 | 1.52 | 1.52 | 1.52 | 1.52 | 1.53 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.59 | 1.59 | 1.59 | 1.59 | 1.59 |
| | 115°F 46°C | TC | 10849 | 11081 | 11514 | 11590 | 12102 | 11622 | 11626 | 11658 | 11674 | 12118 | 12180 | 12183 | 12187 | 12188 | 12234 | 13250 | 13244 | 13248 | 13251 | 13261 |
| | | S/T | 0.88 | 1.00 | 1.00 | 1.00 | 1.00 | 0.69 | 0.82 | 0.92 | 0.94 | 1.00 | 0.57 | 0.69 | 0.80 | 0.82 | 0.94 | 0.39 | 0.49 | 0.58 | 0.60 | 0.71 |
| | | PI | 1.34 | 1.35 | 1.37 | 1.37 | 1.39 | 1.37 | 1.37 | 1.37 | 1.37 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.43 | 1.43 | 1.43 | 1.43 | 1.43 |
| | 122°F 50°C | TC | 7864 | 8307 | 8675 | 8740 | 9176 | 8396 | 8417 | 8685 | 8751 | 9187 | 8844 | 8846 | 8860 | 8870 | 9196 | 9699 | 9703 | 9711 | 9711 | 9710 |
| | | S/T | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.76 | 0.92 | 1.00 | 1.00 | 1.00 | 0.62 | 0.77 | 0.89 | 0.92 | 1.00 | 0.40 | 0.52 | 0.64 | 0.66 | 0.79 |
| | | PI | 1.16 | 1.18 | 1.18 | 1.19 | 1.19 | 1.18 | 1.18 | 1.18 | 1.19 | 1.20 | 1.19 | 1.19 | 1.19 | 1.19 | 1.20 | 1.21 | 1.21 | 1.21 | 1.21 | 1.21 |

## Table 5 – 18K Cooling — 37MURA + 45MUAA (Continued)

| Airflow CFM | Out-door DB °F | ID WB °F | 60.8°F (16.0°C) | | | | | 64.4°F (16.0°C) | | | | | 67.0°F (19.4°C) | | | | | 71.6°F (22.0°C) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ID DB °F | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C |
| 580 | -13°F 25°C | TC | 15338 | 15333 | 15328 | 15417 | 15871 | 16013 | 16004 | 15997 | 15996 | 15985 | 16491 | 16483 | 16472 | 16470 | 16458 | 17396 | 17392 | 17379 | 17374 | 17348 |
| | | S/T | 0.77 | 0.88 | 0.97 | 1.00 | 1.00 | 0.63 | 0.73 | 0.81 | 0.83 | 0.93 | 0.54 | 0.63 | 0.71 | 0.73 | 0.83 | 0.39 | 0.46 | 0.54 | 0.56 | 0.65 |
| | | PI | 0.69 | 0.69 | 0.69 | 0.69 | 0.69 | 0.69 | 0.69 | 0.69 | 0.69 | 0.69 | 0.68 | 0.68 | 0.68 | 0.68 | 0.68 | 0.69 | 0.69 | 0.69 | 0.69 | 0.69 |
| | -4°F 20°C | TC | 16518 | 16512 | 16507 | 16603 | 17092 | 17245 | 17236 | 17228 | 17227 | 17215 | 17760 | 17750 | 17739 | 17737 | 17724 | 18734 | 18729 | 18715 | 18711 | 18683 |
| | | S/T | 0.78 | 0.88 | 0.97 | 1.00 | 1.00 | 0.63 | 0.73 | 0.82 | 0.83 | 0.93 | 0.54 | 0.64 | 0.72 | 0.73 | 0.83 | 0.39 | 0.47 | 0.55 | 0.56 | 0.65 |
| | | PI | 0.72 | 0.72 | 0.72 | 0.71 | 0.71 | 0.71 | 0.71 | 0.71 | 0.71 | 0.71 | 0.71 | 0.71 | 0.71 | 0.71 | 0.71 | 0.71 | 0.71 | 0.71 | 0.71 | 0.71 |
| | 0°F 17.8°C | TC | 17063 | 17055 | 17121 | 17252 | 17730 | 17807 | 17793 | 17783 | 17781 | 17778 | 18329 | 18319 | 18302 | 18299 | 18283 | 19317 | 19311 | 19312 | 19314 | 19329 |
| | | S/T | 0.78 | 0.89 | 0.99 | 1.00 | 1.00 | 0.64 | 0.74 | 0.83 | 0.84 | 0.95 | 0.54 | 0.64 | 0.73 | 0.74 | 0.84 | 0.39 | 0.47 | 0.55 | 0.57 | 0.66 |
| | | PI | 0.72 | 0.72 | 0.72 | 0.72 | 0.72 | 0.72 | 0.72 | 0.72 | 0.72 | 0.72 | 0.72 | 0.72 | 0.72 | 0.72 | 0.72 | 0.73 | 0.73 | 0.73 | 0.73 | 0.73 |
| | 5°F 15°C | TC | 17565 | 17581 | 17818 | 17899 | 18447 | 18400 | 18404 | 18406 | 18406 | 18497 | 19002 | 19001 | 19006 | 19006 | 19009 | 20138 | 20132 | 20132 | 20133 | 20145 |
| | | S/T | 0.79 | 0.90 | 1.00 | 1.00 | 1.00 | 0.64 | 0.75 | 0.84 | 0.85 | 0.96 | 0.54 | 0.65 | 0.73 | 0.75 | 0.85 | 0.39 | 0.47 | 0.55 | 0.57 | 0.66 |
| | | PI | 0.73 | 0.73 | 0.73 | 0.73 | 0.73 | 0.73 | 0.73 | 0.73 | 0.73 | 0.73 | 0.73 | 0.73 | 0.73 | 0.73 | 0.73 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 |
| | 14°F 10°C | TC | 18710 | 18703 | 18780 | 18945 | 19532 | 19649 | 19638 | 19628 | 19627 | 19616 | 20328 | 20318 | 20303 | 20300 | 20283 | 21606 | 21600 | 21584 | 21579 | 21546 |
| | | S/T | 0.78 | 0.89 | 0.99 | 1.00 | 1.00 | 0.64 | 0.74 | 0.82 | 0.84 | 0.94 | 0.54 | 0.64 | 0.72 | 0.74 | 0.83 | 0.39 | 0.47 | 0.55 | 0.56 | 0.65 |
| | | PI | 0.67 | 0.67 | 0.67 | 0.67 | 0.66 | 0.66 | 0.66 | 0.66 | 0.66 | 0.66 | 0.66 | 0.66 | 0.66 | 0.66 | 0.66 | 0.66 | 0.66 | 0.66 | 0.66 | 0.66 |
| | 17°F 10°C | TC | 19114 | 19119 | 19353 | 19465 | 20091 | 20074 | 20075 | 20080 | 20080 | 20175 | 20714 | 20722 | 20735 | 20736 | 20741 | 22091 | 22085 | 22087 | 22091 | 22112 |
| | | S/T | 0.79 | 0.89 | 1.00 | 1.00 | 1.00 | 0.64 | 0.74 | 0.83 | 0.85 | 0.95 | 0.55 | 0.65 | 0.73 | 0.75 | 0.85 | 0.39 | 0.47 | 0.55 | 0.57 | 0.66 |
| | | PI | 0.64 | 0.64 | 0.64 | 0.64 | 0.64 | 0.64 | 0.64 | 0.64 | 0.64 | 0.64 | 0.64 | 0.64 | 0.64 | 0.64 | 0.64 | 0.64 | 0.64 | 0.64 | 0.64 | 0.64 |
| | 23°F 5°C | TC | 19104 | 19131 | 19442 | 19537 | 20176 | 20085 | 20090 | 20092 | 20093 | 20212 | 20793 | 20792 | 20799 | 20799 | 20803 | 22133 | 22127 | 22127 | 22130 | 22146 |
| | | S/T | 0.80 | 0.91 | 1.00 | 1.00 | 1.00 | 0.65 | 0.75 | 0.84 | 0.86 | 0.97 | 0.54 | 0.65 | 0.74 | 0.75 | 0.85 | 0.39 | 0.47 | 0.56 | 0.57 | 0.66 |
| | | PI | 0.69 | 0.69 | 0.69 | 0.69 | 0.69 | 0.69 | 0.69 | 0.69 | 0.69 | 0.69 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.71 | 0.71 | 0.71 | 0.71 | 0.71 |
| | 35°F 1.7°C | TC | 19349 | 19350 | 19387 | 19409 | 19908 | 20278 | 20275 | 20276 | 20276 | 20277 | 20929 | 20928 | 20926 | 20926 | 20928 | 22142 | 22136 | 22132 | 22135 | 22131 |
| | | S/T | 0.75 | 0.85 | 0.93 | 0.94 | 1.00 | 0.62 | 0.71 | 0.79 | 0.80 | 0.89 | 0.53 | 0.62 | 0.69 | 0.71 | 0.80 | 0.39 | 0.46 | 0.53 | 0.54 | 0.63 |
| | | PI | 0.74 | 0.74 | 0.74 | 0.74 | 0.76 | 0.78 | 0.78 | 0.78 | 0.78 | 0.78 | 0.82 | 0.82 | 0.82 | 0.82 | 0.82 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 |
| | 41°F 5°C | TC | 17468 | 17469 | 17517 | 17541 | 18038 | 18302 | 18300 | 18301 | 18301 | 18317 | 18888 | 18886 | 18884 | 18884 | 18886 | 19975 | 19970 | 19966 | 19968 | 19965 |
| | | S/T | 0.76 | 0.86 | 0.94 | 0.96 | 1.00 | 0.62 | 0.72 | 0.80 | 0.81 | 0.90 | 0.53 | 0.62 | 0.70 | 0.71 | 0.81 | 0.39 | 0.46 | 0.53 | 0.55 | 0.64 |
| | | PI | 0.75 | 0.75 | 0.76 | 0.76 | 0.78 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.83 | 0.83 | 0.83 | 0.83 | 0.83 | 0.91 | 0.91 | 0.91 | 0.91 | 0.91 |
| | 47°F 8.3°C | TC | 15584 | 15584 | 15644 | 15671 | 16154 | 16326 | 16323 | 16324 | 16324 | 16349 | 16846 | 16844 | 16843 | 16843 | 16844 | 17812 | 17808 | 17807 | 17806 | 17803 |
| | | S/T | 0.77 | 0.87 | 0.95 | 0.97 | 1.00 | 0.63 | 0.72 | 0.81 | 0.82 | 0.91 | 0.53 | 0.63 | 0.71 | 0.72 | 0.82 | 0.39 | 0.46 | 0.54 | 0.55 | 0.64 |
| | | PI | 0.77 | 0.77 | 0.77 | 0.77 | 0.80 | 0.82 | 0.82 | 0.82 | 0.82 | 0.82 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 |
| | 50°F 10°C | TC | 15178 | 15426 | 15941 | 16033 | 16647 | 16070 | 16079 | 16132 | 16152 | 16666 | 16703 | 16724 | 16734 | 16735 | 16811 | 17906 | 17915 | 17958 | 17963 | 17987 |
| | | S/T | 0.87 | 1.00 | 1.00 | 1.00 | 1.00 | 0.69 | 0.81 | 0.92 | 0.94 | 1.00 | 0.57 | 0.69 | 0.80 | 0.81 | 0.93 | 0.39 | 0.49 | 0.58 | 0.60 | 0.71 |
| | | PI | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 |
| | 59°F 15°C | TC | 14826 | 15183 | 15718 | 15812 | 16448 | 15731 | 15738 | 15816 | 15846 | 16467 | 16384 | 16402 | 16408 | 16409 | 16517 | 17635 | 17640 | 17675 | 17679 | 17696 |
| | | S/T | 0.88 | 1.00 | 1.00 | 1.00 | 1.00 | 0.70 | 0.83 | 0.94 | 0.97 | 1.00 | 0.58 | 0.71 | 0.81 | 0.83 | 0.96 | 0.39 | 0.50 | 0.59 | 0.61 | 0.73 |
| | | PI | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 |
| | 68°F 20°C | TC | 14489 | 14957 | 15507 | 15605 | 16261 | 15395 | 15400 | 15520 | 15622 | 16279 | 16065 | 16078 | 16083 | 16083 | 16266 | 17347 | 17353 | 17380 | 17384 | 17396 |
| | | S/T | 0.91 | 1.00 | 1.00 | 1.00 | 1.00 | 0.72 | 0.85 | 0.97 | 1.00 | 1.00 | 0.59 | 0.72 | 0.84 | 0.86 | 0.99 | 0.40 | 0.50 | 0.61 | 0.62 | 0.75 |
| | | PI | 0.91 | 0.91 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.94 | 0.94 | 0.94 | 0.94 | 0.93 |
| | 77°F 25°C | TC | 14126 | 14668 | 15236 | 15338 | 16015 | 15045 | 15052 | 15225 | 15356 | 16034 | 15732 | 15750 | 15757 | 15775 | 16049 | 17038 | 17054 | 17092 | 17096 | 17115 |
| | | S/T | 0.92 | 1.00 | 1.00 | 1.00 | 1.00 | 0.72 | 0.87 | 0.99 | 1.00 | 1.00 | 0.59 | 0.73 | 0.85 | 0.86 | 1.00 | 0.40 | 0.51 | 0.61 | 0.63 | 0.76 |
| | | PI | 0.94 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 |
| | 82°F 27.8°C | TC | 14471 | 15085 | 15686 | 15793 | 16511 | 15426 | 15451 | 15705 | 15812 | 16529 | 16148 | 16169 | 16177 | 16203 | 16544 | 17515 | 17538 | 17581 | 17586 | 17607 |
| | | S/T | 0.94 | 1.00 | 1.00 | 1.00 | 1.00 | 0.73 | 0.87 | 1.00 | 1.00 | 1.00 | 0.60 | 0.74 | 0.86 | 0.87 | 1.00 | 0.40 | 0.51 | 0.62 | 0.63 | 0.76 |
| | | PI | 1.06 | 1.07 | 1.07 | 1.07 | 1.08 | 1.07 | 1.07 | 1.07 | 1.07 | 1.08 | 1.08 | 1.08 | 1.08 | 1.08 | 1.08 | 1.09 | 1.09 | 1.09 | 1.09 | 1.09 |
| | 86°F 30°C | TC | 15422 | 16136 | 16791 | 16907 | 17695 | 16441 | 16475 | 16811 | 16927 | 17709 | 17225 | 17245 | 17272 | 17288 | 17725 | 18705 | 18732 | 18776 | 18781 | 18801 |
| | | S/T | 0.95 | 1.00 | 1.00 | 1.00 | 1.00 | 0.74 | 0.88 | 1.00 | 1.00 | 1.00 | 0.60 | 0.75 | 0.86 | 0.88 | 1.00 | 0.40 | 0.51 | 0.62 | 0.64 | 0.77 |
| | | PI | 1.29 | 1.30 | 1.30 | 1.30 | 1.31 | 1.30 | 1.30 | 1.30 | 1.30 | 1.31 | 1.31 | 1.31 | 1.31 | 1.31 | 1.31 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 |
| | 95°F 35°C | TC | 17771 | 17802 | 18184 | 18291 | 19009 | 18907 | 18912 | 18918 | 18919 | 19047 | 19724 | 19726 | 19736 | 19737 | 19746 | 21292 | 21284 | 21287 | 21286 | 21302 |
| | | S/T | 0.80 | 0.91 | 1.00 | 1.00 | 1.00 | 0.65 | 0.75 | 0.84 | 0.86 | 0.96 | 0.54 | 0.65 | 0.73 | 0.75 | 0.85 | 0.39 | 0.47 | 0.55 | 0.56 | 0.66 |
| | | PI | 1.74 | 1.74 | 1.76 | 1.76 | 1.80 | 1.79 | 1.79 | 1.79 | 1.79 | 1.80 | 1.83 | 1.83 | 1.83 | 1.83 | 1.83 | 1.91 | 1.91 | 1.91 | 1.91 | 1.91 |
| | 104°F 40°C | TC | 15237 | 15292 | 15732 | 15825 | 16452 | 16212 | 16218 | 16222 | 16223 | 16436 | 16913 | 16916 | 16925 | 16926 | 16931 | 18257 | 18250 | 18254 | 18251 | 18268 |
| | | S/T | 0.82 | 0.94 | 1.00 | 1.00 | 1.00 | 0.66 | 0.77 | 0.86 | 0.88 | 1.00 | 0.55 | 0.66 | 0.75 | 0.77 | 0.87 | 0.39 | 0.47 | 0.56 | 0.58 | 0.67 |
| | | PI | 1.58 | 1.59 | 1.61 | 1.61 | 1.64 | 1.63 | 1.63 | 1.63 | 1.63 | 1.64 | 1.67 | 1.67 | 1.67 | 1.67 | 1.67 | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 |
| | 110°F 43°C | TC | 13629 | 13997 | 14528 | 14622 | 15250 | 14559 | 14564 | 14628 | 14656 | 15267 | 15224 | 15233 | 15238 | 15238 | 15327 | 16502 | 16495 | 16512 | 16514 | 16527 |
| | | S/T | 0.89 | 1.00 | 1.00 | 1.00 | 1.00 | 0.70 | 0.83 | 0.94 | 0.96 | 1.00 | 0.58 | 0.70 | 0.81 | 0.83 | 0.96 | 0.39 | 0.49 | 0.59 | 0.61 | 0.73 |
| | | PI | 1.51 | 1.52 | 1.54 | 1.55 | 1.57 | 1.54 | 1.54 | 1.55 | 1.55 | 1.57 | 1.57 | 1.57 | 1.57 | 1.57 | 1.57 | 1.62 | 1.62 | 1.62 | 1.62 | 1.62 |
| | 115°F 46°C | TC | 11289 | 11715 | 12175 | 12257 | 12803 | 12058 | 12061 | 12166 | 12272 | 12818 | 12634 | 12645 | 12648 | 12649 | 12829 | 13711 | 13704 | 13726 | 13728 | 13735 |
| | | S/T | 0.92 | 1.00 | 1.00 | 1.00 | 1.00 | 0.72 | 0.86 | 0.98 | 1.00 | 1.00 | 0.59 | 0.73 | 0.84 | 0.86 | 1.00 | 0.40 | 0.50 | 0.61 | 0.63 | 0.75 |
| | | PI | 1.36 | 1.38 | 1.39 | 1.40 | 1.42 | 1.39 | 1.39 | 1.39 | 1.40 | 1.42 | 1.42 | 1.42 | 1.42 | 1.42 | 1.42 | 1.45 | 1.45 | 1.45 | 1.45 | 1.45 |
| | 122°F 50°C | TC | 8302 | 8757 | 9147 | 9216 | 9679 | 8687 | 8755 | 9157 | 9227 | 9689 | 9148 | 9148 | 9195 | 9223 | 9698 | 10012 | 10032 | 10037 | 10037 | 10031 |
| | | S/T | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.80 | 0.98 | 1.00 | 1.00 | 1.00 | 0.64 | 0.81 | 0.95 | 0.98 | 1.00 | 0.41 | 0.54 | 0.67 | 0.69 | 0.84 |
| | | PI | 1.19 | 1.20 | 1.21 | 1.21 | 1.22 | 1.20 | 1.20 | 1.21 | 1.21 | 1.22 | 1.21 | 1.21 | 1.21 | 1.21 | 1.22 | 1.23 | 1.23 | 1.23 | 1.23 | 1.23 |

Table 5 – 18K Cooling — **37MURA + 45MUAA** (Continued)

| Airflow CFM | Out-door DB °F | ID WB °F | 60.8°F (16.0°C) | | | | | 64.4°F (16.0°C) | | | | | 67.0°F (19.4°C) | | | | | 71.6°F (22.0°C) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ID DB °F | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C |
| 620 | -13°F 25°C | TC | 15944 | 15937 | 16164 | 16231 | 16678 | 16635 | 16621 | 16611 | 16609 | 16596 | 17133 | 17111 | 17095 | 17092 | 17076 | 18072 | 18067 | 18030 | 18023 | 17985 |
| | | S/T | 0.80 | 0.91 | 1.00 | 1.00 | 1.00 | 0.65 | 0.75 | 0.85 | 0.86 | 0.97 | 0.55 | 0.65 | 0.74 | 0.76 | 0.86 | 0.39 | 0.47 | 0.56 | 0.57 | 0.67 |
| | | PI | 0.71 | 0.71 | 0.71 | 0.71 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.71 | 0.71 | 0.71 | 0.71 | 0.71 |
| | -4°F 20°C | TC | 17170 | 17163 | 17407 | 17480 | 17961 | 17915 | 17900 | 17889 | 17887 | 17872 | 18450 | 18427 | 18410 | 18407 | 18390 | 19462 | 19456 | 19416 | 19409 | 19368 |
| | | S/T | 0.80 | 0.92 | 1.00 | 1.00 | 1.00 | 0.65 | 0.76 | 0.85 | 0.87 | 0.98 | 0.55 | 0.65 | 0.74 | 0.76 | 0.86 | 0.39 | 0.48 | 0.56 | 0.57 | 0.67 |
| | | PI | 0.73 | 0.73 | 0.73 | 0.73 | 0.73 | 0.73 | 0.73 | 0.73 | 0.73 | 0.73 | 0.73 | 0.73 | 0.73 | 0.73 | 0.73 | 0.73 | 0.73 | 0.73 | 0.73 | 0.73 |
| | 0°F 17.8°C | TC | 17740 | 17730 | 18059 | 18134 | 18632 | 18501 | 18481 | 18466 | 18464 | 18650 | 19045 | 19018 | 18994 | 18991 | 18982 | 20069 | 20064 | 20063 | 20065 | 20078 |
| | | S/T | 0.81 | 0.93 | 1.00 | 1.00 | 1.00 | 0.66 | 0.77 | 0.86 | 0.88 | 1.00 | 0.55 | 0.66 | 0.75 | 0.77 | 0.87 | 0.39 | 0.48 | 0.57 | 0.58 | 0.68 |
| | | PI | 0.74 | 0.74 | 0.74 | 0.74 | 0.74 | 0.74 | 0.74 | 0.74 | 0.74 | 0.74 | 0.74 | 0.74 | 0.74 | 0.74 | 0.74 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 |
| | 5°F 15°C | TC | 18249 | 18312 | 18730 | 18817 | 19397 | 19105 | 19109 | 19111 | 19130 | 19416 | 19716 | 19721 | 19725 | 19725 | 19752 | 20872 | 20866 | 20877 | 20879 | 20888 |
| | | S/T | 0.82 | 0.94 | 1.00 | 1.00 | 1.00 | 0.66 | 0.78 | 0.87 | 0.88 | 1.00 | 0.56 | 0.67 | 0.76 | 0.78 | 0.88 | 0.39 | 0.48 | 0.57 | 0.59 | 0.69 |
| | | PI | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.77 | 0.77 | 0.77 | 0.77 | 0.77 |
| | 14°F 10°C | TC | 19453 | 19444 | 19840 | 19933 | 20552 | 20419 | 20401 | 20387 | 20385 | 20576 | 21119 | 21092 | 21071 | 21067 | 21046 | 22456 | 22449 | 22406 | 22398 | 22350 |
| | | S/T | 0.81 | 0.93 | 1.00 | 1.00 | 1.00 | 0.65 | 0.76 | 0.86 | 0.87 | 1.00 | 0.55 | 0.66 | 0.75 | 0.76 | 0.87 | 0.39 | 0.48 | 0.56 | 0.57 | 0.67 |
| | | PI | 0.68 | 0.68 | 0.68 | 0.68 | 0.68 | 0.68 | 0.68 | 0.68 | 0.68 | 0.68 | 0.68 | 0.68 | 0.68 | 0.68 | 0.68 | 0.68 | 0.68 | 0.68 | 0.68 | 0.68 |
| | 17°F 10°C | TC | 19807 | 19872 | 20331 | 20430 | 21094 | 20793 | 20802 | 20806 | 20823 | 21117 | 21503 | 21511 | 21519 | 21520 | 21547 | 22869 | 22863 | 22859 | 22863 | 22882 |
| | | S/T | 0.82 | 0.93 | 1.00 | 1.00 | 1.00 | 0.66 | 0.77 | 0.87 | 0.88 | 1.00 | 0.55 | 0.66 | 0.76 | 0.77 | 0.87 | 0.39 | 0.48 | 0.57 | 0.58 | 0.68 |
| | | PI | 0.65 | 0.65 | 0.65 | 0.65 | 0.65 | 0.65 | 0.65 | 0.65 | 0.65 | 0.65 | 0.65 | 0.65 | 0.65 | 0.66 | 0.66 | 0.66 | 0.66 | 0.66 | 0.66 | 0.66 |
| | 23°F 5°C | TC | 19848 | 19934 | 20449 | 20550 | 21227 | 20853 | 20860 | 20862 | 20889 | 21250 | 21572 | 21580 | 21585 | 21586 | 21621 | 22938 | 22931 | 22947 | 22950 | 22964 |
| | | S/T | 0.83 | 0.95 | 1.00 | 1.00 | 1.00 | 0.66 | 0.78 | 0.88 | 0.89 | 1.00 | 0.56 | 0.67 | 0.76 | 0.78 | 0.89 | 0.39 | 0.48 | 0.57 | 0.59 | 0.69 |
| | | PI | 0.71 | 0.71 | 0.71 | 0.71 | 0.71 | 0.71 | 0.71 | 0.71 | 0.71 | 0.71 | 0.72 | 0.72 | 0.72 | 0.72 | 0.72 | 0.73 | 0.73 | 0.73 | 0.73 | 0.73 |
| | 35°F 1.7°C | TC | 20118 | 20119 | 20237 | 20294 | 20948 | 21059 | 21058 | 21060 | 21060 | 21116 | 21718 | 21716 | 21717 | 21718 | 21720 | 22941 | 22935 | 22934 | 22933 | 22935 |
| | | S/T | 0.78 | 0.88 | 0.97 | 0.99 | 1.00 | 0.63 | 0.73 | 0.82 | 0.83 | 0.93 | 0.54 | 0.63 | 0.72 | 0.73 | 0.83 | 0.39 | 0.46 | 0.54 | 0.56 | 0.65 |
| | | PI | 0.76 | 0.76 | 0.76 | 0.77 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.81 | 0.84 | 0.84 | 0.84 | 0.84 | 0.84 | 0.91 | 0.91 | 0.91 | 0.91 | 0.91 |
| | 41°F 5°C | TC | 18161 | 18161 | 18306 | 18433 | 18978 | 19006 | 19005 | 19006 | 19006 | 19073 | 19599 | 19597 | 19599 | 19599 | 19600 | 20698 | 20693 | 20692 | 20691 | 20693 |
| | | S/T | 0.78 | 0.89 | 0.98 | 1.00 | 1.00 | 0.64 | 0.74 | 0.83 | 0.84 | 0.94 | 0.54 | 0.64 | 0.72 | 0.74 | 0.84 | 0.39 | 0.47 | 0.55 | 0.56 | 0.66 |
| | | PI | 0.77 | 0.77 | 0.78 | 0.79 | 0.82 | 0.82 | 0.82 | 0.82 | 0.82 | 0.82 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 |
| | 47°F 8.3°C | TC | 16202 | 16213 | 16430 | 16504 | 16992 | 16954 | 16953 | 16953 | 16953 | 17032 | 17480 | 17478 | 17480 | 17479 | 17479 | 18459 | 18454 | 18452 | 18452 | 18454 |
| | | S/T | 0.79 | 0.90 | 1.00 | 1.00 | 1.00 | 0.64 | 0.75 | 0.84 | 0.85 | 0.96 | 0.54 | 0.65 | 0.73 | 0.75 | 0.85 | 0.39 | 0.47 | 0.55 | 0.57 | 0.67 |
| | | PI | 0.79 | 0.79 | 0.80 | 0.81 | 0.84 | 0.84 | 0.84 | 0.84 | 0.84 | 0.84 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 |
| | 50°F 10°C | TC | 15793 | 16228 | 16775 | 16872 | 17527 | 16685 | 16694 | 16809 | 16862 | 17543 | 17335 | 17358 | 17367 | 17368 | 17535 | 18530 | 18579 | 18627 | 18633 | 18656 |
| | | S/T | 0.90 | 1.00 | 1.00 | 1.00 | 1.00 | 0.71 | 0.85 | 0.96 | 0.99 | 1.00 | 0.59 | 0.72 | 0.83 | 0.85 | 0.99 | 0.40 | 0.50 | 0.60 | 0.62 | 0.74 |
| | | PI | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 |
| | 59°F 15°C | TC | 15436 | 15978 | 16545 | 16646 | 17323 | 16332 | 16355 | 16540 | 16663 | 17340 | 17006 | 17023 | 17029 | 17054 | 17354 | 18261 | 18298 | 18334 | 18338 | 18354 |
| | | S/T | 0.92 | 1.00 | 1.00 | 1.00 | 1.00 | 0.73 | 0.86 | 1.00 | 1.00 | 1.00 | 0.60 | 0.73 | 0.85 | 0.86 | 1.00 | 0.40 | 0.51 | 0.61 | 0.63 | 0.76 |
| | | PI | 0.91 | 0.91 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.93 | 0.92 | 0.92 | 0.92 | 0.92 |
| | 68°F 20°C | TC | 15075 | 15718 | 16301 | 16405 | 17101 | 15959 | 15995 | 16319 | 16422 | 17118 | 16649 | 16661 | 16691 | 16706 | 17132 | 17939 | 17972 | 18001 | 18003 | 18013 |
| | | S/T | 0.95 | 1.00 | 1.00 | 1.00 | 1.00 | 0.74 | 0.89 | 1.00 | 1.00 | 1.00 | 0.61 | 0.75 | 0.87 | 0.89 | 1.00 | 0.40 | 0.51 | 0.63 | 0.65 | 0.78 |
| | | PI | 0.93 | 0.94 | 0.95 | 0.95 | 0.95 | 0.94 | 0.94 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 |
| | 77°F 25°C | TC | 14703 | 15411 | 16014 | 16121 | 16841 | 15587 | 15637 | 16032 | 16139 | 16858 | 16293 | 16312 | 16353 | 16372 | 16873 | 17598 | 17651 | 17692 | 17696 | 17713 |
| | | S/T | 0.97 | 1.00 | 1.00 | 1.00 | 1.00 | 0.75 | 0.90 | 1.00 | 1.00 | 1.00 | 0.61 | 0.76 | 0.88 | 0.90 | 1.00 | 0.40 | 0.52 | 0.63 | 0.65 | 0.79 |
| | | PI | 0.97 | 0.97 | 0.98 | 0.98 | 0.98 | 0.97 | 0.97 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 |
| | 82°F 27.8°C | TC | 15074 | 15843 | 16482 | 16594 | 17354 | 15973 | 16035 | 16496 | 16612 | 17372 | 16716 | 16737 | 16789 | 16810 | 17387 | 18074 | 18142 | 18189 | 18194 | 18214 |
| | | S/T | 0.99 | 1.00 | 1.00 | 1.00 | 1.00 | 0.76 | 0.91 | 1.00 | 1.00 | 1.00 | 0.62 | 0.77 | 0.89 | 0.92 | 1.00 | 0.40 | 0.52 | 0.64 | 0.66 | 0.80 |
| | | PI | 1.09 | 1.10 | 1.10 | 1.10 | 1.11 | 1.10 | 1.10 | 1.10 | 1.10 | 1.11 | 1.11 | 1.11 | 1.11 | 1.11 | 1.11 | 1.12 | 1.12 | 1.12 | 1.12 | 1.12 |
| | 86°F 30°C | TC | 16151 | 16957 | 17651 | 17774 | 18602 | 17033 | 17111 | 17670 | 17794 | 18621 | 17840 | 17860 | 17926 | 17952 | 18637 | 19314 | 19388 | 19434 | 19439 | 19457 |
| | | S/T | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.77 | 0.93 | 1.00 | 1.00 | 1.00 | 0.62 | 0.78 | 0.91 | 0.93 | 1.00 | 0.40 | 0.52 | 0.64 | 0.66 | 0.81 |
| | | PI | 1.33 | 1.34 | 1.34 | 1.34 | 1.35 | 1.34 | 1.34 | 1.34 | 1.34 | 1.35 | 1.35 | 1.34 | 1.34 | 1.35 | 1.35 | 1.36 | 1.36 | 1.36 | 1.36 | 1.36 |
| | 95°F 35°C | TC | 18464 | 18564 | 19164 | 19277 | 20039 | 19623 | 19635 | 19641 | 19664 | 20064 | 20465 | 20470 | 20482 | 20484 | 20518 | 22052 | 22044 | 22048 | 22055 | 22084 |
| | | S/T | 0.83 | 0.95 | 1.00 | 1.00 | 1.00 | 0.66 | 0.78 | 0.88 | 0.89 | 1.00 | 0.56 | 0.67 | 0.76 | 0.78 | 0.88 | 0.39 | 0.48 | 0.57 | 0.58 | 0.68 |
| | | PI | 1.78 | 1.79 | 1.82 | 1.82 | 1.86 | 1.84 | 1.84 | 1.84 | 1.84 | 1.86 | 1.88 | 1.88 | 1.88 | 1.88 | 1.88 | 1.96 | 1.96 | 1.96 | 1.96 | 1.96 |
| | 104°F 40°C | TC | 15833 | 15978 | 16579 | 16679 | 17344 | 16831 | 16840 | 16870 | 16888 | 17366 | 17549 | 17556 | 17565 | 17566 | 17616 | 18915 | 18908 | 18916 | 18923 | 18943 |
| | | S/T | 0.85 | 0.98 | 1.00 | 1.00 | 1.00 | 0.68 | 0.80 | 0.90 | 0.92 | 1.00 | 0.56 | 0.68 | 0.78 | 0.80 | 0.91 | 0.39 | 0.48 | 0.58 | 0.59 | 0.70 |
| | | PI | 1.63 | 1.64 | 1.66 | 1.67 | 1.70 | 1.68 | 1.68 | 1.68 | 1.68 | 1.70 | 1.71 | 1.71 | 1.71 | 1.71 | 1.72 | 1.79 | 1.78 | 1.78 | 1.78 | 1.78 |
| | 110°F 43°C | TC | 14200 | 14745 | 15308 | 15407 | 16075 | 15118 | 15122 | 15291 | 15425 | 16091 | 15798 | 15811 | 15815 | 15827 | 16105 | 17100 | 17101 | 17127 | 17130 | 17140 |
| | | S/T | 0.92 | 1.00 | 1.00 | 1.00 | 1.00 | 0.72 | 0.87 | 0.99 | 1.00 | 1.00 | 0.60 | 0.73 | 0.85 | 0.86 | 1.00 | 0.40 | 0.51 | 0.61 | 0.63 | 0.76 |
| | | PI | 1.55 | 1.57 | 1.59 | 1.60 | 1.62 | 1.59 | 1.59 | 1.59 | 1.60 | 1.62 | 1.62 | 1.61 | 1.61 | 1.61 | 1.63 | 1.67 | 1.67 | 1.67 | 1.67 | 1.67 |
| | 115°F 46°C | TC | 11771 | 12338 | 12825 | 12921 | 13490 | 12517 | 12542 | 12840 | 12937 | 13504 | 13101 | 13109 | 13127 | 13140 | 13515 | 14205 | 14216 | 14236 | 14238 | 14242 |
| | | S/T | 0.96 | 1.00 | 1.00 | 1.00 | 1.00 | 0.75 | 0.89 | 1.00 | 1.00 | 1.00 | 0.61 | 0.75 | 0.87 | 0.90 | 1.00 | 0.40 | 0.52 | 0.63 | 0.65 | 0.78 |
| | | PI | 1.41 | 1.43 | 1.44 | 1.45 | 1.47 | 1.43 | 1.43 | 1.44 | 1.45 | 1.47 | 1.46 | 1.46 | 1.46 | 1.46 | 1.47 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 |
| | 122°F 50°C | TC | 8641 | 9118 | 9526 | 9597 | 10082 | 8917 | 9127 | 9537 | 9608 | 10091 | 9390 | 9387 | 9543 | 9615 | 10097 | 10253 | 10293 | 10295 | 10294 | 10308 |
| | | S/T | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.84 | 1.00 | 1.00 | 1.00 | 1.00 | 0.67 | 0.85 | 1.00 | 1.00 | 1.00 | 0.41 | 0.55 | 0.69 | 0.72 | 0.88 |
| | | PI | 1.22 | 1.23 | 1.24 | 1.24 | 1.26 | 1.23 | 1.23 | 1.24 | 1.24 | 1.26 | 1.24 | 1.24 | 1.24 | 1.24 | 1.25 | 1.27 | 1.26 | 1.26 | 1.26 | 1.26 |

## Table 6 – 24K Cooling — 37MURA + 45MUAA

| Airflow CFM | Out-door DB °F | ID WB °F | 60.8°F (16.0°C) | | | | | 64.4°F (16.0°C) | | | | | 67.0°F (19.4°C) | | | | | 71.6°F (22.0°C) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ID DB °F | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C |
| 629 | -13°F 25°C | TC | 17307 | 17304 | 17302 | 17301 | 17298 | 18112 | 18107 | 18104 | 18104 | 18101 | 18683 | 18678 | 18674 | 18673 | 18669 | 19755 | 19749 | 19745 | 19744 | 19738 |
| | | S/T | 0.72 | 0.80 | 0.87 | 0.88 | 0.97 | 0.59 | 0.67 | 0.74 | 0.76 | 0.83 | 0.51 | 0.59 | 0.66 | 0.67 | 0.75 | 0.38 | 0.46 | 0.51 | 0.52 | 0.60 |
| | | PI | 0.84 | 0.84 | 0.84 | 0.84 | 0.84 | 0.83 | 0.83 | 0.83 | 0.83 | 0.83 | 0.83 | 0.83 | 0.83 | 0.83 | 0.83 | 0.83 | 0.83 | 0.83 | 0.83 | 0.83 |
| | -4°F 20°C | TC | 18638 | 18635 | 18633 | 18632 | 18629 | 19505 | 19500 | 19497 | 19497 | 19493 | 20120 | 20115 | 20111 | 20110 | 20105 | 21274 | 21269 | 21264 | 21263 | 21256 |
| | | S/T | 0.72 | 0.80 | 0.88 | 0.89 | 0.97 | 0.60 | 0.68 | 0.75 | 0.76 | 0.84 | 0.52 | 0.59 | 0.66 | 0.67 | 0.75 | 0.39 | 0.47 | 0.51 | 0.52 | 0.60 |
| | | PI | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 |
| | 0°F 17.8°C | TC | 19244 | 19240 | 19237 | 19237 | 19231 | 20131 | 20127 | 20123 | 20122 | 20117 | 20759 | 20754 | 20749 | 20748 | 20742 | 21931 | 21925 | 21921 | 21920 | 21911 |
| | | S/T | 0.72 | 0.81 | 0.88 | 0.90 | 0.98 | 0.60 | 0.68 | 0.75 | 0.76 | 0.85 | 0.52 | 0.60 | 0.67 | 0.68 | 0.76 | 0.39 | 0.47 | 0.52 | 0.53 | 0.60 |
| | | PI | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.87 | 0.87 | 0.87 | 0.87 | 0.88 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 |
| | 5°F 15°C | TC | 19848 | 19848 | 19848 | 19848 | 20145 | 20839 | 20835 | 20835 | 20835 | 20837 | 21552 | 21550 | 21547 | 21547 | 21548 | 22918 | 22912 | 22906 | 22905 | 22905 |
| | | S/T | 0.73 | 0.82 | 0.90 | 0.91 | 1.00 | 0.60 | 0.69 | 0.76 | 0.77 | 0.86 | 0.52 | 0.60 | 0.67 | 0.68 | 0.77 | 0.39 | 0.47 | 0.52 | 0.53 | 0.61 |
| | | PI | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 |
| | 14°F 10°C | TC | 19685 | 19683 | 19680 | 19680 | 19776 | 20719 | 20713 | 20710 | 20710 | 20706 | 21457 | 21452 | 21446 | 21446 | 21441 | 22859 | 22852 | 22847 | 22846 | 22839 |
| | | S/T | 0.73 | 0.81 | 0.89 | 0.90 | 0.99 | 0.60 | 0.68 | 0.75 | 0.76 | 0.85 | 0.52 | 0.60 | 0.66 | 0.68 | 0.76 | 0.39 | 0.47 | 0.51 | 0.53 | 0.60 |
| | | PI | 1.02 | 1.02 | 1.02 | 1.02 | 1.02 | 1.01 | 1.01 | 1.01 | 1.01 | 1.01 | 1.01 | 1.01 | 1.01 | 1.01 | 1.01 | 1.01 | 1.01 | 1.01 | 1.01 | 1.01 |
| | 17°F 10°C | TC | 19646 | 19642 | 19639 | 19639 | 19922 | 20677 | 20672 | 20668 | 20667 | 20667 | 21417 | 21416 | 21413 | 21412 | 21416 | 22863 | 22856 | 22851 | 22850 | 22851 |
| | | S/T | 0.73 | 0.82 | 0.89 | 0.91 | 1.00 | 0.60 | 0.69 | 0.76 | 0.77 | 0.85 | 0.52 | 0.60 | 0.67 | 0.68 | 0.76 | 0.39 | 0.47 | 0.52 | 0.53 | 0.61 |
| | | PI | 1.06 | 1.06 | 1.06 | 1.06 | 1.06 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 |
| | 23°F 5°C | TC | 19333 | 19333 | 19333 | 19346 | 19699 | 20373 | 20369 | 20369 | 20370 | 20372 | 21122 | 21120 | 21117 | 21117 | 21119 | 22562 | 22555 | 22550 | 22549 | 22549 |
| | | S/T | 0.74 | 0.83 | 0.90 | 0.91 | 1.00 | 0.61 | 0.69 | 0.77 | 0.78 | 0.86 | 0.52 | 0.60 | 0.67 | 0.69 | 0.77 | 0.39 | 0.47 | 0.52 | 0.53 | 0.61 |
| | | PI | 1.09 | 1.09 | 1.09 | 1.09 | 1.09 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.11 | 1.11 | 1.11 | 1.11 | 1.11 |
| | 35°F 1.7°C | TC | 18864 | 18862 | 18861 | 18861 | 18887 | 19841 | 19839 | 19837 | 19836 | 19835 | 20532 | 20527 | 20527 | 20526 | 20523 | 21825 | 21820 | 21816 | 21815 | 21814 |
| | | S/T | 0.70 | 0.78 | 0.85 | 0.86 | 0.93 | 0.59 | 0.66 | 0.72 | 0.74 | 0.81 | 0.51 | 0.58 | 0.64 | 0.65 | 0.73 | 0.39 | 0.46 | 0.50 | 0.51 | 0.58 |
| | | PI | 1.09 | 1.09 | 1.09 | 1.09 | 1.09 | 1.15 | 1.15 | 1.15 | 1.15 | 1.15 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.30 | 1.30 | 1.30 | 1.30 | 1.30 |
| | 41°F 5°C | TC | 18431 | 18429 | 18428 | 18428 | 18471 | 19378 | 19376 | 19374 | 19373 | 19372 | 20048 | 20044 | 20042 | 20042 | 20038 | 21302 | 21297 | 21293 | 21292 | 21291 |
| | | S/T | 0.71 | 0.79 | 0.86 | 0.87 | 0.95 | 0.59 | 0.67 | 0.73 | 0.74 | 0.82 | 0.51 | 0.59 | 0.65 | 0.66 | 0.73 | 0.39 | 0.46 | 0.51 | 0.52 | 0.59 |
| | | PI | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 1.03 | 1.03 | 1.03 | 1.03 | 1.03 | 1.07 | 1.07 | 1.07 | 1.07 | 1.07 | 1.17 | 1.17 | 1.17 | 1.17 | 1.17 |
| | 47°F 8.3°C | TC | 17995 | 17992 | 17991 | 17991 | 18054 | 18913 | 18911 | 18908 | 18908 | 18907 | 19563 | 19559 | 19558 | 19557 | 19554 | 20778 | 20773 | 20769 | 20769 | 20767 |
| | | S/T | 0.71 | 0.80 | 0.87 | 0.88 | 0.96 | 0.59 | 0.67 | 0.74 | 0.75 | 0.83 | 0.51 | 0.59 | 0.65 | 0.66 | 0.74 | 0.39 | 0.46 | 0.51 | 0.52 | 0.59 |
| | | PI | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.91 | 0.91 | 0.91 | 0.91 | 0.91 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 1.04 | 1.04 | 1.04 | 1.04 | 1.04 |
| | 50°F 10°C | TC | 17493 | 17495 | 17656 | 17800 | 18461 | 18551 | 18555 | 18560 | 18561 | 18629 | 19318 | 19320 | 19329 | 19330 | 19338 | 20806 | 20798 | 20801 | 20800 | 20818 |
| | | S/T | 0.79 | 0.89 | 0.99 | 1.00 | 1.00 | 0.64 | 0.74 | 0.82 | 0.84 | 0.94 | 0.54 | 0.64 | 0.72 | 0.73 | 0.83 | 0.39 | 0.46 | 0.54 | 0.56 | 0.65 |
| | | PI | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 |
| | 59°F 15°C | TC | 16790 | 16816 | 17147 | 17247 | 17921 | 17858 | 17862 | 17865 | 17866 | 17975 | 18639 | 18635 | 18642 | 18643 | 18649 | 20138 | 20129 | 20131 | 20130 | 20145 |
| | | S/T | 0.80 | 0.91 | 1.00 | 1.00 | 1.00 | 0.65 | 0.75 | 0.84 | 0.86 | 0.96 | 0.54 | 0.65 | 0.73 | 0.75 | 0.85 | 0.39 | 0.47 | 0.55 | 0.56 | 0.66 |
| | | PI | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| | 68°F 20°C | TC | 16103 | 16156 | 16612 | 16714 | 17397 | 17173 | 17176 | 17178 | 17178 | 17385 | 17953 | 17949 | 17956 | 17957 | 17960 | 19454 | 19446 | 19446 | 19446 | 19461 |
| | | S/T | 0.82 | 0.94 | 1.00 | 1.00 | 1.00 | 0.66 | 0.77 | 0.86 | 0.88 | 1.00 | 0.55 | 0.66 | 0.75 | 0.77 | 0.87 | 0.39 | 0.47 | 0.56 | 0.57 | 0.67 |
| | | PI | 1.02 | 1.02 | 1.02 | 1.02 | 1.03 | 1.03 | 1.03 | 1.03 | 1.03 | 1.03 | 1.03 | 1.03 | 1.03 | 1.03 | 1.03 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 |
| | 77°F 25°C | TC | 15396 | 15473 | 16004 | 16108 | 16801 | 16474 | 16479 | 16483 | 16499 | 16826 | 17261 | 17260 | 17269 | 17270 | 17291 | 18777 | 18768 | 18771 | 18771 | 18793 |
| | | S/T | 0.83 | 0.96 | 1.00 | 1.00 | 1.00 | 0.66 | 0.78 | 0.88 | 0.89 | 1.00 | 0.55 | 0.67 | 0.76 | 0.78 | 0.88 | 0.39 | 0.48 | 0.56 | 0.58 | 0.68 |
| | | PI | 1.06 | 1.06 | 1.06 | 1.06 | 1.07 | 1.06 | 1.06 | 1.06 | 1.06 | 1.07 | 1.07 | 1.07 | 1.07 | 1.07 | 1.07 | 1.08 | 1.08 | 1.08 | 1.08 | 1.08 |
| | 82°F 27.8°C | TC | 15875 | 15977 | 16590 | 16700 | 17438 | 17014 | 17023 | 17037 | 17052 | 17463 | 17849 | 17850 | 17860 | 17861 | 17892 | 19455 | 19445 | 19449 | 19451 | 19477 |
| | | S/T | 0.84 | 0.97 | 1.00 | 1.00 | 1.00 | 0.67 | 0.79 | 0.88 | 0.90 | 1.00 | 0.56 | 0.67 | 0.77 | 0.78 | 0.89 | 0.39 | 0.48 | 0.57 | 0.58 | 0.68 |
| | | PI | 1.26 | 1.26 | 1.27 | 1.27 | 1.27 | 1.27 | 1.27 | 1.27 | 1.27 | 1.27 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.29 | 1.29 | 1.29 | 1.29 | 1.29 |
| | 86°F 30°C | TC | 17352 | 17503 | 18233 | 18356 | 19181 | 18620 | 18629 | 18654 | 18673 | 19209 | 19546 | 19549 | 19559 | 19560 | 19605 | 21331 | 21320 | 21324 | 21329 | 21355 |
| | | S/T | 0.85 | 0.98 | 1.00 | 1.00 | 1.00 | 0.67 | 0.80 | 0.89 | 0.91 | 1.00 | 0.56 | 0.68 | 0.77 | 0.79 | 0.90 | 0.39 | 0.48 | 0.57 | 0.59 | 0.69 |
| | | PI | 1.65 | 1.65 | 1.66 | 1.66 | 1.67 | 1.66 | 1.66 | 1.66 | 1.66 | 1.67 | 1.67 | 1.67 | 1.67 | 1.67 | 1.67 | 1.69 | 1.69 | 1.69 | 1.69 | 1.69 |
| | 95°F 35°C | TC | 20972 | 20972 | 20973 | 20997 | 21535 | 22377 | 22371 | 22370 | 22370 | 22374 | 23389 | 23387 | 23382 | 23382 | 23383 | 25346 | 25338 | 25331 | 25330 | 25329 |
| | | S/T | 0.74 | 0.83 | 0.91 | 0.92 | 1.00 | 0.61 | 0.69 | 0.77 | 0.78 | 0.87 | 0.52 | 0.60 | 0.67 | 0.69 | 0.77 | 0.39 | 0.47 | 0.52 | 0.53 | 0.61 |
| | | PI | 2.44 | 2.44 | 2.44 | 2.44 | 2.47 | 2.51 | 2.51 | 2.51 | 2.51 | 2.51 | 2.57 | 2.57 | 2.57 | 2.57 | 2.57 | 2.68 | 2.68 | 2.68 | 2.68 | 2.68 |
| | 104°F 40°C | TC | 19633 | 19634 | 19669 | 19696 | 20353 | 20945 | 20940 | 20940 | 20940 | 20944 | 21892 | 21890 | 21885 | 21885 | 21888 | 23719 | 23711 | 23704 | 23703 | 23703 |
| | | S/T | 0.75 | 0.85 | 0.93 | 0.95 | 1.00 | 0.61 | 0.71 | 0.78 | 0.80 | 0.89 | 0.52 | 0.61 | 0.69 | 0.70 | 0.79 | 0.39 | 0.45 | 0.52 | 0.54 | 0.62 |
| | | PI | 2.44 | 2.44 | 2.44 | 2.44 | 2.48 | 2.51 | 2.51 | 2.51 | 2.51 | 2.51 | 2.57 | 2.57 | 2.57 | 2.57 | 2.57 | 2.67 | 2.67 | 2.67 | 2.67 | 2.67 |
| | 110°F 43°C | TC | 18709 | 18736 | 19157 | 19281 | 20093 | 20034 | 20031 | 20035 | 20035 | 20150 | 20987 | 20985 | 20987 | 20988 | 20993 | 22828 | 22818 | 22818 | 22818 | 22816 |
| | | S/T | 0.80 | 0.91 | 1.00 | 1.00 | 1.00 | 0.64 | 0.75 | 0.84 | 0.86 | 0.96 | 0.54 | 0.65 | 0.73 | 0.75 | 0.85 | 0.39 | 0.47 | 0.55 | 0.56 | 0.66 |
| | | PI | 2.46 | 2.47 | 2.48 | 2.49 | 2.52 | 2.52 | 2.52 | 2.52 | 2.52 | 2.53 | 2.57 | 2.57 | 2.56 | 2.56 | 2.56 | 2.65 | 2.65 | 2.65 | 2.65 | 2.65 |
| | 115°F 46°C | TC | 15880 | 15941 | 16486 | 16593 | 17320 | 17033 | 17035 | 17038 | 17038 | 17345 | 17867 | 17865 | 17870 | 17871 | 17873 | 19472 | 19463 | 19462 | 19461 | 19469 |
| | | S/T | 0.83 | 0.95 | 1.00 | 1.00 | 1.00 | 0.66 | 0.77 | 0.87 | 0.89 | 1.00 | 0.55 | 0.66 | 0.75 | 0.77 | 0.88 | 0.39 | 0.47 | 0.56 | 0.57 | 0.67 |
| | | PI | 2.24 | 2.24 | 2.26 | 2.26 | 2.29 | 2.28 | 2.28 | 2.28 | 2.28 | 2.29 | 2.32 | 2.32 | 2.32 | 2.32 | 2.32 | 2.38 | 2.38 | 2.38 | 2.38 | 2.38 |
| | 122°F 50°C | TC | 12063 | 12584 | 13137 | 13232 | 13888 | 13009 | 13010 | 13124 | 13250 | 13906 | 13710 | 13715 | 13715 | 13715 | 13920 | 15067 | 15059 | 15069 | 15071 | 15074 |
| | | S/T | 0.93 | 1.00 | 1.00 | 1.00 | 1.00 | 0.72 | 0.86 | 0.99 | 1.00 | 1.00 | 0.59 | 0.73 | 0.84 | 0.86 | 1.00 | 0.39 | 0.50 | 0.61 | 0.62 | 0.75 |
| | | PI | 1.94 | 1.95 | 1.97 | 1.97 | 1.99 | 1.97 | 1.97 | 1.97 | 1.97 | 1.99 | 1.98 | 1.98 | 1.98 | 1.98 | 1.99 | 2.02 | 2.02 | 2.02 | 2.02 | 2.02 |

## Table 6 – 24K Cooling — 37MURA + 45MUAA (Continued)

| Airflow CFM | Out-door DB °F | ID WB °F | 60.8°F (16.0°C) | | | | | 64.4°F (16.0°C) | | | | | 67.0°F (19.4°C) | | | | | 71.6°F (22.0°C) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ID DB °F | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C |
| 694 | -13°F 25°C | TC | 18283 | 18279 | 18275 | 18275 | 18650 | 19106 | 19100 | 19095 | 19094 | 19088 | 19689 | 19683 | 19676 | 19675 | 19666 | 20784 | 20778 | 20770 | 20770 | 20756 |
| | | S/T | 0.75 | 0.84 | 0.92 | 0.93 | 1.00 | 0.61 | 0.70 | 0.78 | 0.79 | 0.88 | 0.52 | 0.61 | 0.69 | 0.70 | 0.79 | 0.38 | 0.46 | 0.53 | 0.54 | 0.62 |
| | | PI | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 |
| | -4°F 20°C | TC | 19689 | 19685 | 19681 | 19681 | 20084 | 20576 | 20570 | 20564 | 20563 | 20557 | 21204 | 21197 | 21190 | 21188 | 21179 | 22383 | 22377 | 22368 | 22367 | 22353 |
| | | S/T | 0.75 | 0.84 | 0.92 | 0.94 | 1.00 | 0.61 | 0.71 | 0.78 | 0.79 | 0.88 | 0.53 | 0.61 | 0.69 | 0.70 | 0.79 | 0.39 | 0.46 | 0.53 | 0.54 | 0.63 |
| | | PI | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 |
| | 0°F 17.8°C | TC | 20333 | 20327 | 20323 | 20322 | 20829 | 21240 | 21232 | 21224 | 21223 | 21214 | 21881 | 21872 | 21862 | 21860 | 21847 | 23072 | 23067 | 23065 | 23063 | 23066 |
| | | S/T | 0.75 | 0.85 | 0.93 | 0.95 | 1.00 | 0.62 | 0.71 | 0.79 | 0.80 | 0.90 | 0.53 | 0.62 | 0.70 | 0.71 | 0.80 | 0.39 | 0.46 | 0.53 | 0.55 | 0.63 |
| | | PI | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 |
| | 5°F 15°C | TC | 20951 | 20953 | 21019 | 21048 | 21664 | 21971 | 21970 | 21974 | 21974 | 22000 | 22703 | 22702 | 22703 | 22704 | 22708 | 24098 | 24092 | 24092 | 24091 | 24092 |
| | | S/T | 0.76 | 0.86 | 0.94 | 0.96 | 1.00 | 0.62 | 0.72 | 0.80 | 0.81 | 0.90 | 0.53 | 0.62 | 0.70 | 0.72 | 0.81 | 0.39 | 0.46 | 0.54 | 0.55 | 0.64 |
| | | PI | 0.91 | 0.91 | 0.91 | 0.91 | 0.91 | 0.91 | 0.91 | 0.91 | 0.91 | 0.91 | 0.91 | 0.91 | 0.91 | 0.91 | 0.91 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 |
| | 14°F 10°C | TC | 20791 | 20787 | 20783 | 20782 | 21372 | 21853 | 21847 | 21841 | 21839 | 21832 | 22613 | 22605 | 22597 | 22596 | 22585 | 24056 | 24049 | 24039 | 24038 | 24023 |
| | | S/T | 0.75 | 0.85 | 0.93 | 0.95 | 1.00 | 0.62 | 0.71 | 0.79 | 0.80 | 0.89 | 0.53 | 0.62 | 0.69 | 0.71 | 0.79 | 0.39 | 0.46 | 0.53 | 0.54 | 0.63 |
| | | PI | 1.04 | 1.04 | 1.04 | 1.04 | 1.04 | 1.04 | 1.04 | 1.04 | 1.04 | 1.04 | 1.03 | 1.03 | 1.04 | 1.04 | 1.04 | 1.04 | 1.04 | 1.04 | 1.04 | 1.04 |
| | 17°F 10°C | TC | 20736 | 20730 | 20784 | 20813 | 21437 | 21795 | 21788 | 21793 | 21793 | 21816 | 22559 | 22558 | 22562 | 22563 | 22570 | 24038 | 24031 | 24034 | 24032 | 24038 |
| | | S/T | 0.76 | 0.86 | 0.94 | 0.96 | 1.00 | 0.62 | 0.72 | 0.80 | 0.81 | 0.90 | 0.53 | 0.62 | 0.70 | 0.71 | 0.80 | 0.39 | 0.46 | 0.53 | 0.55 | 0.63 |
| | | PI | 1.08 | 1.08 | 1.08 | 1.08 | 1.08 | 1.08 | 1.08 | 1.08 | 1.08 | 1.08 | 1.08 | 1.08 | 1.08 | 1.08 | 1.08 | 1.08 | 1.08 | 1.08 | 1.08 | 1.08 |
| | 23°F 5°C | TC | 20409 | 20411 | 20494 | 20530 | 21205 | 21480 | 21479 | 21483 | 21483 | 21518 | 22249 | 22248 | 22251 | 22251 | 22256 | 23723 | 23716 | 23717 | 23716 | 23719 |
| | | S/T | 0.77 | 0.87 | 0.95 | 0.97 | 1.00 | 0.62 | 0.72 | 0.80 | 0.82 | 0.91 | 0.53 | 0.63 | 0.71 | 0.72 | 0.81 | 0.39 | 0.46 | 0.54 | 0.55 | 0.64 |
| | | PI | 1.11 | 1.11 | 1.11 | 1.12 | 1.12 | 1.12 | 1.12 | 1.12 | 1.12 | 1.12 | 1.13 | 1.13 | 1.13 | 1.13 | 1.13 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 |
| | 35°F 1.7°C | TC | 19946 | 19944 | 19945 | 19945 | 20201 | 20937 | 20934 | 20932 | 20932 | 20933 | 21633 | 21632 | 21628 | 21628 | 21627 | 22934 | 22928 | 22924 | 22923 | 22922 |
| | | S/T | 0.73 | 0.81 | 0.89 | 0.90 | 1.00 | 0.60 | 0.68 | 0.76 | 0.77 | 0.85 | 0.52 | 0.60 | 0.67 | 0.68 | 0.76 | 0.39 | 0.47 | 0.52 | 0.53 | 0.60 |
| | | PI | 1.11 | 1.11 | 1.11 | 1.11 | 1.13 | 1.17 | 1.17 | 1.17 | 1.17 | 1.17 | 1.22 | 1.22 | 1.22 | 1.22 | 1.22 | 1.33 | 1.33 | 1.33 | 1.33 | 1.33 |
| | 41°F 5°C | TC | 19436 | 19483 | 19483 | 19489 | 19810 | 20447 | 20443 | 20441 | 20442 | 20442 | 21123 | 21121 | 21118 | 21117 | 21116 | 22384 | 22379 | 22375 | 22374 | 22372 |
| | | S/T | 0.74 | 0.82 | 0.90 | 0.91 | 1.00 | 0.60 | 0.69 | 0.76 | 0.78 | 0.86 | 0.52 | 0.60 | 0.67 | 0.69 | 0.77 | 0.39 | 0.45 | 0.52 | 0.53 | 0.61 |
| | | PI | 0.99 | 0.99 | 0.99 | 0.99 | 1.01 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 |
| | 47°F 8.3°C | TC | 19021 | 19020 | 19020 | 19039 | 19414 | 19955 | 19951 | 19950 | 19950 | 19950 | 20612 | 20610 | 20607 | 20607 | 20606 | 21837 | 21832 | 21827 | 21827 | 21825 |
| | | S/T | 0.74 | 0.83 | 0.91 | 0.92 | 1.00 | 0.61 | 0.70 | 0.77 | 0.78 | 0.87 | 0.52 | 0.61 | 0.68 | 0.69 | 0.78 | 0.39 | 0.45 | 0.52 | 0.53 | 0.62 |
| | | PI | 0.87 | 0.87 | 0.87 | 0.87 | 0.89 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 1.06 | 1.06 | 1.06 | 1.06 | 1.06 |
| | 50°F 10°C | TC | 18454 | 18532 | 19055 | 19163 | 19888 | 19549 | 19561 | 19566 | 19586 | 19912 | 20343 | 20354 | 20366 | 20368 | 20397 | 21858 | 21849 | 21875 | 21881 | 21910 |
| | | S/T | 0.83 | 0.95 | 1.00 | 1.00 | 1.00 | 0.66 | 0.78 | 0.87 | 0.88 | 1.00 | 0.55 | 0.66 | 0.76 | 0.77 | 0.88 | 0.39 | 0.48 | 0.56 | 0.58 | 0.68 |
| | | PI | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 |
| | 59°F 15°C | TC | 17713 | 17840 | 18471 | 18581 | 19319 | 18822 | 18831 | 18859 | 18877 | 19344 | 19623 | 19633 | 19643 | 19644 | 19692 | 21164 | 21155 | 21176 | 21180 | 21202 |
| | | S/T | 0.85 | 0.97 | 1.00 | 1.00 | 1.00 | 0.67 | 0.79 | 0.89 | 0.91 | 1.00 | 0.56 | 0.68 | 0.77 | 0.79 | 0.90 | 0.39 | 0.48 | 0.57 | 0.59 | 0.69 |
| | | PI | 1.01 | 1.01 | 1.02 | 1.02 | 1.02 | 1.02 | 1.02 | 1.02 | 1.02 | 1.02 | 1.02 | 1.02 | 1.02 | 1.02 | 1.02 | 1.03 | 1.03 | 1.03 | 1.03 | 1.03 |
| | 68°F 20°C | TC | 16989 | 17274 | 17902 | 18014 | 18761 | 18101 | 18108 | 18158 | 18180 | 18786 | 18903 | 18913 | 18919 | 18920 | 18994 | 20449 | 20441 | 20460 | 20464 | 20481 |
| | | S/T | 0.87 | 1.00 | 1.00 | 1.00 | 1.00 | 0.69 | 0.81 | 0.91 | 0.93 | 1.00 | 0.57 | 0.69 | 0.79 | 0.81 | 0.93 | 0.39 | 0.49 | 0.58 | 0.60 | 0.71 |
| | | PI | 1.04 | 1.04 | 1.05 | 1.05 | 1.06 | 1.05 | 1.05 | 1.05 | 1.05 | 1.06 | 1.06 | 1.06 | 1.06 | 1.06 | 1.06 | 1.07 | 1.07 | 1.07 | 1.07 | 1.07 |
| | 77°F 25°C | TC | 16242 | 16621 | 17258 | 17372 | 18131 | 17365 | 17374 | 17441 | 17469 | 18154 | 18171 | 18187 | 18196 | 18197 | 18291 | 19730 | 19721 | 19752 | 19757 | 19780 |
| | | S/T | 0.88 | 1.00 | 1.00 | 1.00 | 1.00 | 0.69 | 0.82 | 0.93 | 0.95 | 1.00 | 0.57 | 0.70 | 0.80 | 0.82 | 0.94 | 0.39 | 0.49 | 0.59 | 0.60 | 0.72 |
| | | PI | 1.08 | 1.08 | 1.09 | 1.09 | 1.10 | 1.09 | 1.09 | 1.09 | 1.09 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.11 | 1.11 | 1.11 | 1.11 | 1.11 |
| | 82°F 27.8°C | TC | 16761 | 17216 | 17894 | 18014 | 18822 | 17936 | 17946 | 18032 | 18067 | 18847 | 18788 | 18808 | 18818 | 18820 | 18938 | 20438 | 20442 | 20468 | 20474 | 20500 |
| | | S/T | 0.88 | 1.00 | 1.00 | 1.00 | 1.00 | 0.70 | 0.83 | 0.94 | 0.96 | 1.00 | 0.58 | 0.70 | 0.81 | 0.83 | 0.96 | 0.39 | 0.49 | 0.59 | 0.61 | 0.72 |
| | | PI | 1.29 | 1.29 | 1.30 | 1.30 | 1.31 | 1.30 | 1.30 | 1.30 | 1.30 | 1.31 | 1.31 | 1.31 | 1.31 | 1.31 | 1.31 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 |
| | 86°F 30°C | TC | 18333 | 18911 | 19670 | 19803 | 20707 | 19630 | 19640 | 19757 | 19810 | 20734 | 20577 | 20599 | 20609 | 20610 | 20770 | 22411 | 22413 | 22445 | 22451 | 22477 |
| | | S/T | 0.90 | 1.00 | 1.00 | 1.00 | 1.00 | 0.71 | 0.84 | 0.96 | 0.98 | 1.00 | 0.58 | 0.71 | 0.82 | 0.84 | 0.97 | 0.39 | 0.50 | 0.60 | 0.61 | 0.73 |
| | | PI | 1.69 | 1.70 | 1.70 | 1.71 | 1.71 | 1.70 | 1.70 | 1.70 | 1.71 | 1.71 | 1.71 | 1.71 | 1.71 | 1.71 | 1.72 | 1.73 | 1.73 | 1.73 | 1.73 | 1.73 |
| | 95°F 35°C | TC | 22149 | 22153 | 22275 | 22333 | 23253 | 23597 | 23594 | 23600 | 23601 | 23643 | 24638 | 24638 | 24637 | 24638 | 24649 | 26646 | 26637 | 26629 | 26641 | 26634 |
| | | S/T | 0.77 | 0.87 | 0.96 | 0.98 | 1.00 | 0.63 | 0.72 | 0.80 | 0.82 | 0.91 | 0.53 | 0.62 | 0.70 | 0.72 | 0.81 | 0.39 | 0.46 | 0.53 | 0.55 | 0.63 |
| | | PI | 2.50 | 2.50 | 2.50 | 2.51 | 2.55 | 2.57 | 2.57 | 2.57 | 2.57 | 2.58 | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 |
| | 104°F 40°C | TC | 20730 | 20734 | 20947 | 21140 | 21973 | 22083 | 22082 | 22088 | 22089 | 22168 | 23059 | 23058 | 23059 | 23061 | 23070 | 24933 | 24924 | 24916 | 24924 | 24922 |
| | | S/T | 0.79 | 0.89 | 0.99 | 1.00 | 1.00 | 0.63 | 0.74 | 0.82 | 0.84 | 0.94 | 0.54 | 0.64 | 0.72 | 0.73 | 0.83 | 0.39 | 0.46 | 0.54 | 0.55 | 0.65 |
| | | PI | 2.50 | 2.50 | 2.51 | 2.52 | 2.57 | 2.57 | 2.57 | 2.57 | 2.57 | 2.58 | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 |
| | 110°F 43°C | TC | 19750 | 19901 | 20668 | 20801 | 21689 | 21115 | 21122 | 21141 | 21160 | 21718 | 22105 | 22104 | 22113 | 22114 | 22153 | 23993 | 23986 | 23986 | 23988 | 24006 |
| | | S/T | 0.85 | 0.97 | 1.00 | 1.00 | 1.00 | 0.67 | 0.79 | 0.89 | 0.91 | 1.00 | 0.56 | 0.68 | 0.77 | 0.79 | 0.90 | 0.39 | 0.48 | 0.57 | 0.59 | 0.69 |
| | | PI | 2.52 | 2.54 | 2.56 | 2.57 | 2.61 | 2.58 | 2.58 | 2.58 | 2.58 | 2.61 | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 | 2.71 | 2.71 | 2.71 | 2.71 | 2.71 |
| | 115°F 46°C | TC | 16762 | 17120 | 17788 | 17906 | 18697 | 17956 | 17962 | 18011 | 18036 | 18722 | 18818 | 18823 | 18829 | 18830 | 18900 | 20471 | 20462 | 20468 | 20473 | 20488 |
| | | S/T | 0.88 | 1.00 | 1.00 | 1.00 | 1.00 | 0.69 | 0.82 | 0.92 | 0.94 | 1.00 | 0.57 | 0.69 | 0.80 | 0.82 | 0.94 | 0.39 | 0.49 | 0.58 | 0.60 | 0.71 |
| | | PI | 2.29 | 2.30 | 2.33 | 2.33 | 2.36 | 2.34 | 2.34 | 2.34 | 2.34 | 2.37 | 2.37 | 2.37 | 2.37 | 2.37 | 2.37 | 2.44 | 2.44 | 2.44 | 2.44 | 2.44 |
| | 122°F 50°C | TC | 12825 | 13549 | 14148 | 14254 | 14966 | 13693 | 13728 | 14166 | 14272 | 14983 | 14424 | 14428 | 14451 | 14467 | 14998 | 15819 | 15825 | 15838 | 15839 | 15837 |
| | | S/T | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.76 | 0.92 | 1.00 | 1.00 | 1.00 | 0.62 | 0.77 | 0.89 | 0.92 | 1.00 | 0.40 | 0.52 | 0.64 | 0.66 | 0.79 |
| | | PI | 1.99 | 2.01 | 2.02 | 2.03 | 2.04 | 2.01 | 2.01 | 2.02 | 2.03 | 2.04 | 2.03 | 2.03 | 2.03 | 2.03 | 2.04 | 2.07 | 2.07 | 2.07 | 2.07 | 2.06 |

## Table 6 – 24K Cooling — 37MURA + 45MUAA (Continued)

| Airflow CFM | Out-door DB °F | ID WB °F | 60.8°F (16.0°C) | | | | | 64.4°F (16.0°C) | | | | | 67.0°F (19.4°C) | | | | | 71.6°F (22.0°C) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ID DB °F | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C |
| 759 | -13°F 25°C | TC | 19305 | 19298 | 19293 | 19405 | 19976 | 20155 | 20144 | 20135 | 20133 | 20119 | 20757 | 20746 | 20732 | 20730 | 20715 | 21896 | 21890 | 21874 | 21868 | 21836 |
| | | S/T | 0.77 | 0.88 | 0.97 | 1.00 | 1.00 | 0.63 | 0.73 | 0.81 | 0.83 | 0.93 | 0.54 | 0.63 | 0.71 | 0.73 | 0.83 | 0.39 | 0.46 | 0.54 | 0.56 | 0.65 |
| | | PI | 0.89 | 0.89 | 0.89 | 0.89 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 |
| | -4°F 20°C | TC | 20790 | 20783 | 20777 | 20898 | 21513 | 21705 | 21693 | 21684 | 21682 | 21667 | 22353 | 22342 | 22327 | 22324 | 22309 | 23580 | 23574 | 23556 | 23550 | 23515 |
| | | S/T | 0.78 | 0.88 | 0.97 | 1.00 | 1.00 | 0.63 | 0.73 | 0.82 | 0.83 | 0.93 | 0.54 | 0.64 | 0.72 | 0.73 | 0.83 | 0.39 | 0.47 | 0.55 | 0.56 | 0.65 |
| | | PI | 0.92 | 0.92 | 0.92 | 0.92 | 0.91 | 0.91 | 0.91 | 0.91 | 0.91 | 0.91 | 0.91 | 0.91 | 0.91 | 0.91 | 0.91 | 0.91 | 0.91 | 0.91 | 0.91 | 0.91 |
| | 0°F 17.8°C | TC | 21476 | 21467 | 21550 | 21714 | 22316 | 22413 | 22396 | 22383 | 22381 | 22377 | 23070 | 23057 | 23036 | 23032 | 23012 | 24313 | 24306 | 24307 | 24310 | 24328 |
| | | S/T | 0.78 | 0.89 | 0.99 | 1.00 | 1.00 | 0.64 | 0.74 | 0.83 | 0.84 | 0.95 | 0.54 | 0.64 | 0.73 | 0.74 | 0.84 | 0.39 | 0.47 | 0.55 | 0.57 | 0.66 |
| | | PI | 0.93 | 0.93 | 0.93 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 |
| | 5°F 15°C | TC | 22108 | 22128 | 22426 | 22529 | 23218 | 23159 | 23164 | 23166 | 23167 | 23281 | 23917 | 23915 | 23922 | 23922 | 23925 | 25346 | 25339 | 25339 | 25341 | 25355 |
| | | S/T | 0.79 | 0.90 | 1.00 | 1.00 | 1.00 | 0.64 | 0.75 | 0.84 | 0.85 | 0.96 | 0.54 | 0.65 | 0.73 | 0.75 | 0.85 | 0.39 | 0.47 | 0.55 | 0.57 | 0.66 |
| | | PI | 0.93 | 0.93 | 0.93 | 0.93 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 |
| | 14°F 10°C | TC | 21942 | 21934 | 22024 | 22217 | 22906 | 23043 | 23030 | 23019 | 23017 | 23005 | 23839 | 23828 | 23810 | 23807 | 23786 | 25338 | 25331 | 25312 | 25307 | 25268 |
| | | S/T | 0.78 | 0.89 | 0.99 | 1.00 | 1.00 | 0.64 | 0.74 | 0.82 | 0.84 | 0.94 | 0.54 | 0.64 | 0.72 | 0.74 | 0.83 | 0.39 | 0.47 | 0.55 | 0.56 | 0.65 |
| | | PI | 1.08 | 1.08 | 1.08 | 1.08 | 1.07 | 1.07 | 1.07 | 1.07 | 1.07 | 1.07 | 1.07 | 1.07 | 1.07 | 1.07 | 1.07 | 1.07 | 1.07 | 1.07 | 1.07 | 1.07 |
| | 17°F 10°C | TC | 21914 | 21919 | 22188 | 22316 | 23034 | 23014 | 23016 | 23021 | 23022 | 23130 | 23748 | 23757 | 23772 | 23774 | 23780 | 25327 | 25320 | 25322 | 25327 | 25351 |
| | | S/T | 0.79 | 0.89 | 1.00 | 1.00 | 1.00 | 0.64 | 0.74 | 0.83 | 0.85 | 0.95 | 0.55 | 0.65 | 0.73 | 0.75 | 0.85 | 0.39 | 0.47 | 0.55 | 0.57 | 0.66 |
| | | PI | 1.11 | 1.11 | 1.11 | 1.11 | 1.11 | 1.11 | 1.11 | 1.11 | 1.11 | 1.11 | 1.11 | 1.11 | 1.11 | 1.11 | 1.11 | 1.12 | 1.12 | 1.12 | 1.12 | 1.12 |
| | 23°F 5°C | TC | 21534 | 21564 | 21915 | 22023 | 22743 | 22640 | 22646 | 22649 | 22649 | 22783 | 23438 | 23437 | 23445 | 23445 | 23449 | 24949 | 24941 | 24942 | 24946 | 24963 |
| | | S/T | 0.80 | 0.91 | 1.00 | 1.00 | 1.00 | 0.65 | 0.75 | 0.84 | 0.86 | 0.97 | 0.54 | 0.65 | 0.74 | 0.75 | 0.85 | 0.39 | 0.47 | 0.56 | 0.57 | 0.66 |
| | | PI | 1.15 | 1.15 | 1.15 | 1.15 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.18 | 1.18 | 1.18 | 1.18 | 1.18 |
| | 35°F 1.7°C | TC | 21072 | 21073 | 21113 | 21137 | 21680 | 22083 | 22080 | 22081 | 22081 | 22082 | 22793 | 22791 | 22789 | 22789 | 22791 | 24113 | 24107 | 24102 | 24105 | 24101 |
| | | S/T | 0.75 | 0.85 | 0.93 | 0.94 | 1.00 | 0.62 | 0.71 | 0.79 | 0.80 | 0.89 | 0.53 | 0.62 | 0.69 | 0.71 | 0.80 | 0.39 | 0.46 | 0.53 | 0.54 | 0.63 |
| | | PI | 1.15 | 1.15 | 1.15 | 1.15 | 1.19 | 1.21 | 1.21 | 1.21 | 1.21 | 1.21 | 1.27 | 1.27 | 1.27 | 1.27 | 1.27 | 1.38 | 1.38 | 1.38 | 1.38 | 1.38 |
| | 41°F 5°C | TC | 20582 | 20583 | 20640 | 20668 | 21254 | 21565 | 21562 | 21563 | 21563 | 21582 | 22255 | 22253 | 22251 | 22251 | 22254 | 23536 | 23531 | 23526 | 23528 | 23525 |
| | | S/T | 0.76 | 0.86 | 0.94 | 0.96 | 1.00 | 0.62 | 0.72 | 0.80 | 0.81 | 0.90 | 0.53 | 0.62 | 0.70 | 0.71 | 0.81 | 0.39 | 0.46 | 0.53 | 0.55 | 0.64 |
| | | PI | 1.02 | 1.02 | 1.03 | 1.03 | 1.06 | 1.09 | 1.09 | 1.09 | 1.09 | 1.09 | 1.13 | 1.13 | 1.13 | 1.13 | 1.13 | 1.24 | 1.24 | 1.24 | 1.24 | 1.24 |
| | 47°F 8.3°C | TC | 20091 | 20091 | 20168 | 20203 | 20825 | 21047 | 21044 | 21044 | 21044 | 21076 | 21717 | 21715 | 21713 | 21713 | 21714 | 22963 | 22957 | 22956 | 22955 | 22952 |
| | | S/T | 0.77 | 0.87 | 0.95 | 0.97 | 1.00 | 0.63 | 0.72 | 0.81 | 0.82 | 0.91 | 0.53 | 0.63 | 0.71 | 0.72 | 0.82 | 0.39 | 0.46 | 0.54 | 0.55 | 0.64 |
| | | PI | 0.90 | 0.90 | 0.90 | 0.91 | 0.95 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.10 | 1.09 | 1.09 | 1.09 | 1.09 |
| | 50°F 10°C | TC | 19464 | 19782 | 20443 | 20560 | 21347 | 20607 | 20620 | 20686 | 20713 | 21372 | 21419 | 21446 | 21459 | 21460 | 21557 | 22962 | 22973 | 23029 | 23035 | 23066 |
| | | S/T | 0.87 | 1.00 | 1.00 | 1.00 | 1.00 | 0.69 | 0.81 | 0.92 | 0.94 | 1.00 | 0.57 | 0.69 | 0.80 | 0.81 | 0.93 | 0.39 | 0.49 | 0.58 | 0.60 | 0.71 |
| | | PI | 1.02 | 1.02 | 1.02 | 1.02 | 1.02 | 1.02 | 1.02 | 1.02 | 1.02 | 1.02 | 1.02 | 1.02 | 1.02 | 1.02 | 1.02 | 1.02 | 1.02 | 1.02 | 1.02 | 1.02 |
| | 59°F 15°C | TC | 18701 | 19151 | 19825 | 19945 | 20747 | 19842 | 19851 | 19949 | 19988 | 20771 | 20666 | 20688 | 20697 | 20698 | 20834 | 22244 | 22250 | 22294 | 22299 | 22321 |
| | | S/T | 0.88 | 1.00 | 1.00 | 1.00 | 1.00 | 0.70 | 0.83 | 0.94 | 0.97 | 1.00 | 0.58 | 0.71 | 0.81 | 0.83 | 0.96 | 0.39 | 0.50 | 0.59 | 0.61 | 0.73 |
| | | PI | 1.05 | 1.05 | 1.05 | 1.05 | 1.06 | 1.05 | 1.05 | 1.05 | 1.05 | 1.06 | 1.06 | 1.06 | 1.06 | 1.06 | 1.06 | 1.06 | 1.06 | 1.06 | 1.06 | 1.06 |
| | 68°F 20°C | TC | 17960 | 18539 | 19221 | 19342 | 20156 | 19082 | 19088 | 19237 | 19363 | 20178 | 19912 | 19929 | 19935 | 19935 | 20162 | 21501 | 21508 | 21543 | 21547 | 21562 |
| | | S/T | 0.91 | 1.00 | 1.00 | 1.00 | 1.00 | 0.72 | 0.85 | 0.97 | 1.00 | 1.00 | 0.59 | 0.72 | 0.84 | 0.86 | 0.99 | 0.40 | 0.50 | 0.61 | 0.62 | 0.75 |
| | | PI | 1.08 | 1.08 | 1.09 | 1.09 | 1.10 | 1.09 | 1.09 | 1.09 | 1.09 | 1.10 | 1.09 | 1.09 | 1.09 | 1.09 | 1.10 | 1.11 | 1.11 | 1.11 | 1.11 | 1.11 |
| | 77°F 25°C | TC | 17188 | 17847 | 18539 | 18662 | 19487 | 18306 | 18314 | 18525 | 18684 | 19509 | 19141 | 19163 | 19172 | 19195 | 19527 | 20731 | 20750 | 20796 | 20802 | 20824 |
| | | S/T | 0.92 | 1.00 | 1.00 | 1.00 | 1.00 | 0.72 | 0.87 | 0.99 | 1.00 | 1.00 | 0.59 | 0.73 | 0.85 | 0.86 | 1.00 | 0.40 | 0.51 | 0.61 | 0.63 | 0.76 |
| | | PI | 1.12 | 1.12 | 1.13 | 1.13 | 1.13 | 1.13 | 1.13 | 1.13 | 1.13 | 1.13 | 1.13 | 1.13 | 1.13 | 1.13 | 1.14 | 1.15 | 1.15 | 1.14 | 1.14 | 1.14 |
| | 82°F 27.8°C | TC | 17737 | 18489 | 19225 | 19356 | 20237 | 18907 | 18938 | 19249 | 19380 | 20259 | 19792 | 19818 | 19828 | 19859 | 20278 | 21468 | 21495 | 21549 | 21555 | 21581 |
| | | S/T | 0.94 | 1.00 | 1.00 | 1.00 | 1.00 | 0.73 | 0.87 | 1.00 | 1.00 | 1.00 | 0.60 | 0.74 | 0.86 | 0.87 | 1.00 | 0.40 | 0.51 | 0.62 | 0.63 | 0.76 |
| | | PI | 1.33 | 1.34 | 1.35 | 1.35 | 1.35 | 1.34 | 1.34 | 1.35 | 1.35 | 1.35 | 1.35 | 1.35 | 1.35 | 1.35 | 1.35 | 1.37 | 1.36 | 1.36 | 1.36 | 1.36 |
| | 86°F 30°C | TC | 19389 | 20287 | 21110 | 21255 | 22246 | 20669 | 20712 | 21135 | 21281 | 22263 | 21655 | 21680 | 21715 | 21734 | 22284 | 23516 | 23550 | 23605 | 23611 | 23636 |
| | | S/T | 0.95 | 1.00 | 1.00 | 1.00 | 1.00 | 0.74 | 0.88 | 1.00 | 1.00 | 1.00 | 0.60 | 0.75 | 0.86 | 0.88 | 1.00 | 0.40 | 0.51 | 0.62 | 0.64 | 0.77 |
| | | PI | 1.75 | 1.76 | 1.77 | 1.77 | 1.78 | 1.76 | 1.76 | 1.77 | 1.77 | 1.78 | 1.77 | 1.77 | 1.77 | 1.77 | 1.78 | 1.79 | 1.79 | 1.79 | 1.79 | 1.79 |
| | 95°F 35°C | TC | 23374 | 23416 | 23919 | 24059 | 25003 | 24869 | 24875 | 24884 | 24885 | 25054 | 25943 | 25946 | 25959 | 25961 | 25973 | 28006 | 27996 | 27999 | 27998 | 28019 |
| | | S/T | 0.80 | 0.91 | 1.00 | 1.00 | 1.00 | 0.65 | 0.75 | 0.84 | 0.86 | 0.96 | 0.54 | 0.65 | 0.73 | 0.75 | 0.85 | 0.39 | 0.47 | 0.55 | 0.56 | 0.66 |
| | | PI | 2.58 | 2.58 | 2.61 | 2.62 | 2.67 | 2.66 | 2.66 | 2.66 | 2.66 | 2.67 | 2.72 | 2.72 | 2.72 | 2.72 | 2.72 | 2.83 | 2.83 | 2.83 | 2.83 | 2.83 |
| | 104°F 40°C | TC | 21874 | 21952 | 22585 | 22718 | 23619 | 23274 | 23282 | 23288 | 23289 | 23596 | 24280 | 24284 | 24297 | 24299 | 24306 | 26209 | 26200 | 26205 | 26200 | 26225 |
| | | S/T | 0.82 | 0.94 | 1.00 | 1.00 | 1.00 | 0.66 | 0.77 | 0.86 | 0.88 | 1.00 | 0.55 | 0.66 | 0.75 | 0.77 | 0.87 | 0.39 | 0.47 | 0.56 | 0.58 | 0.67 |
| | | PI | 2.58 | 2.58 | 2.62 | 2.63 | 2.68 | 2.66 | 2.66 | 2.66 | 2.66 | 2.68 | 2.72 | 2.72 | 2.72 | 2.72 | 2.72 | 2.83 | 2.83 | 2.83 | 2.83 | 2.83 |
| | 110°F 43°C | TC | 20839 | 21402 | 22214 | 22358 | 23318 | 22261 | 22269 | 22366 | 22410 | 23344 | 23278 | 23292 | 23300 | 23300 | 23436 | 25233 | 25222 | 25247 | 25251 | 25270 |
| | | S/T | 0.89 | 1.00 | 1.00 | 1.00 | 1.00 | 0.70 | 0.83 | 0.94 | 0.96 | 1.00 | 0.58 | 0.70 | 0.81 | 0.83 | 0.96 | 0.39 | 0.49 | 0.59 | 0.61 | 0.73 |
| | | PI | 2.61 | 2.63 | 2.67 | 2.67 | 2.71 | 2.67 | 2.67 | 2.67 | 2.67 | 2.72 | 2.72 | 2.71 | 2.71 | 2.71 | 2.72 | 2.80 | 2.80 | 2.80 | 2.80 | 2.80 |
| | 115°F 46°C | TC | 17708 | 18375 | 19097 | 19225 | 20082 | 18914 | 18918 | 19084 | 19249 | 20105 | 19816 | 19834 | 19840 | 19840 | 20123 | 21506 | 21496 | 21529 | 21532 | 21544 |
| | | S/T | 0.92 | 1.00 | 1.00 | 1.00 | 1.00 | 0.72 | 0.86 | 0.98 | 1.00 | 1.00 | 0.59 | 0.73 | 0.84 | 0.86 | 1.00 | 0.40 | 0.50 | 0.61 | 0.63 | 0.75 |
| | | PI | 2.36 | 2.39 | 2.41 | 2.42 | 2.45 | 2.41 | 2.41 | 2.41 | 2.42 | 2.45 | 2.45 | 2.45 | 2.45 | 2.45 | 2.45 | 2.51 | 2.51 | 2.51 | 2.51 | 2.51 |
| | 122°F 50°C | TC | 13747 | 14501 | 15146 | 15261 | 16027 | 14384 | 14497 | 15163 | 15278 | 16044 | 15148 | 15147 | 15226 | 15272 | 16058 | 16578 | 16611 | 16620 | 16619 | 16610 |
| | | S/T | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.80 | 0.98 | 1.00 | 1.00 | 1.00 | 0.64 | 0.81 | 0.95 | 0.98 | 1.00 | 0.41 | 0.54 | 0.67 | 0.69 | 0.84 |
| | | PI | 2.06 | 2.08 | 2.10 | 2.10 | 2.12 | 2.08 | 2.08 | 2.10 | 2.10 | 2.12 | 2.10 | 2.10 | 2.10 | 2.10 | 2.12 | 2.14 | 2.14 | 2.13 | 2.13 | 2.13 |

## Table 6 – 24K Cooling — 37MURA + 45MUAA (Continued)

| Airflow CFM | Out-door DB °F | ID WB °F | 60.8°F (16.0°C) | | | | | 64.4°F (16.0°C) | | | | | 67.0°F (19.4°C) | | | | | 71.6°F (22.0°C) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ID DB °F | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C |
| 824 | -13°F 25°C | TC | 20374 | 20365 | 20655 | 20741 | 21312 | 21257 | 21240 | 21226 | 21224 | 21207 | 21893 | 21865 | 21845 | 21842 | 21821 | 23093 | 23086 | 23039 | 23030 | 22982 |
| | | S/T | 0.80 | 0.91 | 1.00 | 1.00 | 1.00 | 0.65 | 0.75 | 0.85 | 0.86 | 0.97 | 0.55 | 0.65 | 0.74 | 0.76 | 0.86 | 0.39 | 0.47 | 0.56 | 0.57 | 0.67 |
| | | PI | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 |
| | -4°F 20°C | TC | 21941 | 21931 | 22244 | 22336 | 22951 | 22892 | 22874 | 22859 | 22857 | 22838 | 23577 | 23547 | 23525 | 23522 | 23499 | 24869 | 24862 | 24811 | 24802 | 24749 |
| | | S/T | 0.80 | 0.92 | 1.00 | 1.00 | 1.00 | 0.65 | 0.76 | 0.85 | 0.87 | 0.98 | 0.55 | 0.65 | 0.74 | 0.76 | 0.86 | 0.39 | 0.48 | 0.56 | 0.57 | 0.67 |
| | | PI | 0.95 | 0.96 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.96 |
| | 0°F 17.8°C | TC | 22669 | 22656 | 23076 | 23173 | 23809 | 23642 | 23615 | 23597 | 23594 | 23832 | 24336 | 24302 | 24272 | 24268 | 24257 | 25645 | 25639 | 25637 | 25641 | 25657 |
| | | S/T | 0.81 | 0.93 | 1.00 | 1.00 | 1.00 | 0.66 | 0.77 | 0.86 | 0.88 | 1.00 | 0.55 | 0.66 | 0.75 | 0.77 | 0.87 | 0.39 | 0.48 | 0.57 | 0.58 | 0.68 |
| | | PI | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 |
| | 5°F 15°C | TC | 23319 | 23400 | 23934 | 24045 | 24786 | 24413 | 24419 | 24421 | 24446 | 24810 | 25194 | 25200 | 25205 | 25206 | 25239 | 26671 | 26663 | 26677 | 26680 | 26692 |
| | | S/T | 0.82 | 0.94 | 1.00 | 1.00 | 1.00 | 0.66 | 0.78 | 0.87 | 0.88 | 1.00 | 0.56 | 0.67 | 0.76 | 0.78 | 0.88 | 0.39 | 0.48 | 0.57 | 0.59 | 0.69 |
| | | PI | 0.97 | 0.97 | 0.97 | 0.97 | 0.98 | 0.97 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| | 14°F 10°C | TC | 23162 | 23150 | 23622 | 23733 | 24469 | 24312 | 24290 | 24274 | 24271 | 24498 | 25144 | 25113 | 25087 | 25083 | 25058 | 26737 | 26728 | 26677 | 26668 | 26611 |
| | | S/T | 0.81 | 0.93 | 1.00 | 1.00 | 1.00 | 0.65 | 0.76 | 0.86 | 0.87 | 1.00 | 0.55 | 0.66 | 0.75 | 0.76 | 0.87 | 0.39 | 0.48 | 0.56 | 0.57 | 0.67 |
| | | PI | 1.12 | 1.12 | 1.12 | 1.12 | 1.12 | 1.12 | 1.12 | 1.12 | 1.12 | 1.12 | 1.12 | 1.12 | 1.12 | 1.12 | 1.12 | 1.12 | 1.12 | 1.12 | 1.12 | 1.12 |
| | 17°F 10°C | TC | 23055 | 23130 | 23665 | 23780 | 24553 | 24203 | 24213 | 24217 | 24237 | 24579 | 25029 | 25038 | 25048 | 25049 | 25080 | 26619 | 26611 | 26607 | 26612 | 26634 |
| | | S/T | 0.82 | 0.93 | 1.00 | 1.00 | 1.00 | 0.66 | 0.77 | 0.87 | 0.88 | 1.00 | 0.55 | 0.66 | 0.76 | 0.77 | 0.87 | 0.39 | 0.48 | 0.57 | 0.58 | 0.68 |
| | | PI | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.17 | 1.17 | 1.17 | 1.17 | 1.17 |
| | 23°F 5°C | TC | 22714 | 22812 | 23402 | 23518 | 24293 | 23865 | 23872 | 23874 | 23906 | 24319 | 24688 | 24696 | 24703 | 24703 | 24743 | 26251 | 26242 | 26261 | 26265 | 26280 |
| | | S/T | 0.83 | 0.95 | 1.00 | 1.00 | 1.00 | 0.66 | 0.78 | 0.88 | 0.89 | 1.00 | 0.56 | 0.67 | 0.76 | 0.78 | 0.89 | 0.39 | 0.48 | 0.57 | 0.59 | 0.69 |
| | | PI | 1.20 | 1.20 | 1.20 | 1.20 | 1.21 | 1.21 | 1.21 | 1.21 | 1.21 | 1.21 | 1.21 | 1.21 | 1.21 | 1.21 | 1.22 | 1.24 | 1.24 | 1.24 | 1.24 | 1.24 |
| | 35°F 1.7°C | TC | 22243 | 22244 | 22375 | 22437 | 23161 | 23283 | 23282 | 23284 | 23284 | 23346 | 24012 | 24010 | 24012 | 24012 | 24015 | 25364 | 25358 | 25357 | 25356 | 25358 |
| | | S/T | 0.78 | 0.88 | 0.97 | 0.99 | 1.00 | 0.63 | 0.73 | 0.82 | 0.83 | 0.93 | 0.54 | 0.63 | 0.72 | 0.73 | 0.83 | 0.39 | 0.46 | 0.54 | 0.56 | 0.65 |
| | | PI | 1.19 | 1.19 | 1.20 | 1.21 | 1.26 | 1.27 | 1.27 | 1.27 | 1.27 | 1.27 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 | 1.44 | 1.44 | 1.44 | 1.44 | 1.44 |
| | 41°F 5°C | TC | 21725 | 21726 | 21899 | 22051 | 22703 | 22736 | 22735 | 22736 | 22736 | 22816 | 23445 | 23443 | 23445 | 23445 | 23447 | 24760 | 24754 | 24753 | 24752 | 24754 |
| | | S/T | 0.78 | 0.89 | 0.98 | 1.00 | 1.00 | 0.64 | 0.74 | 0.83 | 0.84 | 0.94 | 0.54 | 0.64 | 0.72 | 0.74 | 0.84 | 0.39 | 0.47 | 0.55 | 0.56 | 0.66 |
| | | PI | 1.06 | 1.06 | 1.08 | 1.09 | 1.13 | 1.13 | 1.13 | 1.13 | 1.13 | 1.14 | 1.18 | 1.18 | 1.18 | 1.18 | 1.18 | 1.29 | 1.29 | 1.29 | 1.29 | 1.29 |
| | 47°F 8.3°C | TC | 21206 | 21220 | 21505 | 21601 | 22240 | 22189 | 22189 | 22189 | 22189 | 22292 | 22878 | 22876 | 22878 | 22878 | 22878 | 24159 | 24153 | 24151 | 24150 | 24153 |
| | | S/T | 0.79 | 0.90 | 1.00 | 1.00 | 1.00 | 0.64 | 0.75 | 0.84 | 0.85 | 0.96 | 0.54 | 0.65 | 0.73 | 0.75 | 0.85 | 0.39 | 0.47 | 0.55 | 0.57 | 0.67 |
| | | PI | 0.94 | 0.94 | 0.96 | 0.96 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.01 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 |
| | 50°F 10°C | TC | 20561 | 21127 | 21840 | 21966 | 22818 | 21722 | 21734 | 21884 | 21953 | 22840 | 22569 | 22598 | 22610 | 22612 | 22829 | 24125 | 24188 | 24251 | 24258 | 24288 |
| | | S/T | 0.90 | 1.00 | 1.00 | 1.00 | 1.00 | 0.71 | 0.85 | 0.96 | 0.99 | 1.00 | 0.59 | 0.72 | 0.83 | 0.85 | 0.99 | 0.40 | 0.50 | 0.60 | 0.62 | 0.74 |
| | | PI | 1.06 | 1.06 | 1.06 | 1.06 | 1.06 | 1.06 | 1.06 | 1.06 | 1.06 | 1.06 | 1.06 | 1.06 | 1.06 | 1.06 | 1.06 | 1.06 | 1.06 | 1.06 | 1.06 | 1.06 |
| | 59°F 15°C | TC | 19767 | 20461 | 21187 | 21316 | 22183 | 20915 | 20943 | 21181 | 21339 | 22205 | 21778 | 21800 | 21807 | 21839 | 22224 | 23385 | 23432 | 23478 | 23484 | 23503 |
| | | S/T | 0.92 | 1.00 | 1.00 | 1.00 | 1.00 | 0.73 | 0.86 | 1.00 | 1.00 | 1.00 | 0.60 | 0.73 | 0.85 | 0.86 | 1.00 | 0.40 | 0.51 | 0.61 | 0.63 | 0.76 |
| | | PI | 1.09 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.11 | 1.11 | 1.11 | 1.11 | 1.11 |
| | 68°F 20°C | TC | 18970 | 19780 | 20513 | 20644 | 21519 | 20083 | 20128 | 20535 | 20666 | 21541 | 20951 | 20967 | 21004 | 21023 | 21559 | 22575 | 22616 | 22652 | 22656 | 22667 |
| | | S/T | 0.95 | 1.00 | 1.00 | 1.00 | 1.00 | 0.74 | 0.89 | 1.00 | 1.00 | 1.00 | 0.61 | 0.75 | 0.87 | 0.89 | 1.00 | 0.40 | 0.51 | 0.63 | 0.65 | 0.78 |
| | | PI | 1.12 | 1.13 | 1.14 | 1.14 | 1.15 | 1.13 | 1.13 | 1.14 | 1.14 | 1.15 | 1.14 | 1.14 | 1.14 | 1.14 | 1.15 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 |
| | 77°F 25°C | TC | 18163 | 19037 | 19783 | 19914 | 20804 | 19255 | 19316 | 19804 | 19937 | 20825 | 20127 | 20150 | 20201 | 20224 | 20843 | 21738 | 21804 | 21855 | 21860 | 21880 |
| | | S/T | 0.97 | 1.00 | 1.00 | 1.00 | 1.00 | 0.75 | 0.90 | 1.00 | 1.00 | 1.00 | 0.61 | 0.76 | 0.88 | 0.90 | 1.00 | 0.40 | 0.52 | 0.63 | 0.65 | 0.79 |
| | | PI | 1.17 | 1.17 | 1.18 | 1.18 | 1.19 | 1.18 | 1.18 | 1.18 | 1.18 | 1.19 | 1.18 | 1.18 | 1.18 | 1.18 | 1.19 | 1.20 | 1.20 | 1.19 | 1.19 | 1.19 |
| | 82°F 27.8°C | TC | 18757 | 19715 | 20510 | 20649 | 21594 | 19877 | 19953 | 20528 | 20672 | 21617 | 20801 | 20827 | 20892 | 20918 | 21636 | 22490 | 22575 | 22634 | 22640 | 22664 |
| | | S/T | 0.99 | 1.00 | 1.00 | 1.00 | 1.00 | 0.76 | 0.91 | 1.00 | 1.00 | 1.00 | 0.62 | 0.77 | 0.89 | 0.92 | 1.00 | 0.40 | 0.52 | 0.64 | 0.66 | 0.80 |
| | | PI | 1.39 | 1.40 | 1.41 | 1.41 | 1.41 | 1.40 | 1.40 | 1.41 | 1.41 | 1.41 | 1.41 | 1.41 | 1.41 | 1.41 | 1.41 | 1.43 | 1.42 | 1.42 | 1.42 | 1.42 |
| | 86°F 30°C | TC | 20615 | 21644 | 22529 | 22686 | 23743 | 21740 | 21840 | 22554 | 22712 | 23767 | 22770 | 22796 | 22880 | 22913 | 23788 | 24651 | 24746 | 24805 | 24811 | 24834 |
| | | S/T | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.77 | 0.93 | 1.00 | 1.00 | 1.00 | 0.62 | 0.78 | 0.91 | 0.93 | 1.00 | 0.40 | 0.52 | 0.64 | 0.66 | 0.81 |
| | | PI | 1.83 | 1.84 | 1.84 | 1.85 | 1.86 | 1.84 | 1.84 | 1.85 | 1.85 | 1.86 | 1.85 | 1.85 | 1.85 | 1.85 | 1.86 | 1.87 | 1.87 | 1.87 | 1.87 | 1.87 |
| | 95°F 35°C | TC | 24657 | 24790 | 25591 | 25743 | 26760 | 26205 | 26220 | 26228 | 26259 | 26794 | 27329 | 27335 | 27352 | 27354 | 27400 | 29449 | 29437 | 29443 | 29452 | 29491 |
| | | S/T | 0.83 | 0.95 | 1.00 | 1.00 | 1.00 | 0.66 | 0.78 | 0.88 | 0.89 | 1.00 | 0.56 | 0.67 | 0.76 | 0.78 | 0.88 | 0.39 | 0.48 | 0.57 | 0.58 | 0.68 |
| | | PI | 2.69 | 2.70 | 2.74 | 2.75 | 2.80 | 2.77 | 2.77 | 2.77 | 2.78 | 2.80 | 2.84 | 2.84 | 2.84 | 2.84 | 2.84 | 2.95 | 2.95 | 2.95 | 2.95 | 2.95 |
| | 104°F 40°C | TC | 23076 | 23288 | 24164 | 24310 | 25279 | 24530 | 24544 | 24587 | 24614 | 25311 | 25577 | 25587 | 25601 | 25602 | 25674 | 27568 | 27557 | 27570 | 27580 | 27609 |
| | | S/T | 0.85 | 0.98 | 1.00 | 1.00 | 1.00 | 0.68 | 0.80 | 0.90 | 0.92 | 1.00 | 0.56 | 0.68 | 0.78 | 0.80 | 0.91 | 0.39 | 0.48 | 0.58 | 0.59 | 0.70 |
| | | PI | 2.69 | 2.70 | 2.75 | 2.76 | 2.81 | 2.77 | 2.77 | 2.78 | 2.78 | 2.82 | 2.84 | 2.83 | 2.83 | 2.83 | 2.84 | 2.95 | 2.95 | 2.95 | 2.95 | 2.95 |
| | 110°F 43°C | TC | 22043 | 22890 | 23763 | 23917 | 24953 | 23468 | 23475 | 23737 | 23945 | 24980 | 24525 | 24544 | 24550 | 24568 | 25001 | 26545 | 26546 | 26588 | 26592 | 26607 |
| | | S/T | 0.92 | 1.00 | 1.00 | 1.00 | 1.00 | 0.72 | 0.87 | 0.99 | 1.00 | 1.00 | 0.60 | 0.73 | 0.85 | 0.86 | 1.00 | 0.40 | 0.51 | 0.61 | 0.63 | 0.76 |
| | | PI | 2.72 | 2.76 | 2.80 | 2.80 | 2.85 | 2.79 | 2.79 | 2.80 | 2.81 | 2.85 | 2.83 | 2.83 | 2.83 | 2.83 | 2.85 | 2.93 | 2.93 | 2.92 | 2.92 | 2.92 |
| | 115°F 46°C | TC | 18745 | 19647 | 20424 | 20576 | 21482 | 19934 | 19973 | 20447 | 20602 | 21504 | 20863 | 20876 | 20904 | 20925 | 21523 | 22622 | 22639 | 22670 | 22673 | 22680 |
| | | S/T | 0.96 | 1.00 | 1.00 | 1.00 | 1.00 | 0.75 | 0.89 | 1.00 | 1.00 | 1.00 | 0.61 | 0.75 | 0.87 | 0.90 | 1.00 | 0.40 | 0.52 | 0.63 | 0.65 | 0.78 |
| | | PI | 2.47 | 2.51 | 2.54 | 2.55 | 2.58 | 2.52 | 2.52 | 2.54 | 2.55 | 2.58 | 2.56 | 2.56 | 2.56 | 2.56 | 2.58 | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 |
| | 122°F 50°C | TC | 14526 | 15328 | 16014 | 16133 | 16948 | 14990 | 15344 | 16032 | 16151 | 16964 | 15786 | 15781 | 16043 | 16164 | 16975 | 17237 | 17304 | 17307 | 17306 | 17329 |
| | | S/T | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.84 | 1.00 | 1.00 | 1.00 | 1.00 | 0.67 | 0.85 | 1.00 | 1.00 | 1.00 | 0.41 | 0.55 | 0.69 | 0.72 | 0.88 |
| | | PI | 2.15 | 2.17 | 2.19 | 2.19 | 2.21 | 2.17 | 2.17 | 2.19 | 2.19 | 2.21 | 2.19 | 2.18 | 2.19 | 2.19 | 2.21 | 2.24 | 2.23 | 2.22 | 2.22 | 2.22 |

## Table 7 – 30K Cooling — 37MURA + 45MUAA

| Airflow CFM | Out-door DB °F | ID WB °F | 60.8°F (16.0°C) | | | | | 64.4°F (16.0°C) | | | | | 67.0°F (19.4°C) | | | | | 71.6°F (22.0°C) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ID DB °F | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C |
| 712 | -13°F 25°C | TC | 22272 | 22269 | 22266 | 22266 | 22262 | 23309 | 23303 | 23299 | 23299 | 23294 | 24044 | 24038 | 24032 | 24031 | 24026 | 25423 | 25416 | 25410 | 25409 | 25401 |
| | | S/T | 0.72 | 0.80 | 0.87 | 0.88 | 0.97 | 0.59 | 0.67 | 0.74 | 0.76 | 0.83 | 0.51 | 0.59 | 0.66 | 0.67 | 0.75 | 0.38 | 0.46 | 0.51 | 0.52 | 0.60 |
| | | PI | 1.30 | 1.30 | 1.30 | 1.30 | 1.30 | 1.29 | 1.29 | 1.29 | 1.29 | 1.29 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| | -4°F 20°C | TC | 23986 | 23982 | 23979 | 23979 | 23974 | 25102 | 25095 | 25091 | 25091 | 25086 | 25894 | 25887 | 25881 | 25880 | 25874 | 27378 | 27371 | 27365 | 27364 | 27355 |
| | | S/T | 0.72 | 0.80 | 0.88 | 0.89 | 0.97 | 0.60 | 0.68 | 0.75 | 0.76 | 0.84 | 0.52 | 0.59 | 0.66 | 0.67 | 0.75 | 0.39 | 0.47 | 0.51 | 0.52 | 0.60 |
| | | PI | 1.35 | 1.35 | 1.35 | 1.35 | 1.35 | 1.33 | 1.33 | 1.33 | 1.33 | 1.33 | 1.33 | 1.33 | 1.33 | 1.33 | 1.33 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 |
| | 0°F 17.8°C | TC | 24766 | 24761 | 24757 | 24757 | 24749 | 25908 | 25902 | 25896 | 25896 | 25889 | 26716 | 26709 | 26703 | 26702 | 26693 | 28223 | 28216 | 28210 | 28209 | 28198 |
| | | S/T | 0.72 | 0.81 | 0.88 | 0.90 | 0.98 | 0.60 | 0.68 | 0.75 | 0.76 | 0.85 | 0.52 | 0.60 | 0.67 | 0.68 | 0.76 | 0.39 | 0.47 | 0.52 | 0.53 | 0.60 |
| | | PI | 1.36 | 1.36 | 1.36 | 1.36 | 1.36 | 1.35 | 1.35 | 1.35 | 1.35 | 1.35 | 1.35 | 1.35 | 1.35 | 1.35 | 1.35 | 1.35 | 1.35 | 1.35 | 1.35 | 1.35 |
| | 5°F 15°C | TC | 25543 | 25543 | 25543 | 25543 | 25925 | 26818 | 26814 | 26813 | 26813 | 26816 | 27735 | 27734 | 27730 | 27729 | 27731 | 29494 | 29486 | 29479 | 29478 | 29478 |
| | | S/T | 0.73 | 0.82 | 0.90 | 0.91 | 1.00 | 0.60 | 0.69 | 0.76 | 0.77 | 0.86 | 0.52 | 0.60 | 0.67 | 0.68 | 0.77 | 0.39 | 0.47 | 0.52 | 0.53 | 0.61 |
| | | PI | 1.37 | 1.37 | 1.37 | 1.37 | 1.37 | 1.37 | 1.37 | 1.37 | 1.37 | 1.37 | 1.37 | 1.37 | 1.37 | 1.37 | 1.37 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 |
| | 14°F 10°C | TC | 25384 | 25381 | 25377 | 25377 | 25501 | 26717 | 26710 | 26705 | 26705 | 26700 | 27669 | 27662 | 27655 | 27654 | 27648 | 29477 | 29468 | 29461 | 29460 | 29451 |
| | | S/T | 0.73 | 0.81 | 0.89 | 0.90 | 0.99 | 0.60 | 0.68 | 0.75 | 0.76 | 0.85 | 0.52 | 0.60 | 0.66 | 0.68 | 0.76 | 0.39 | 0.47 | 0.51 | 0.53 | 0.60 |
| | | PI | 1.35 | 1.36 | 1.36 | 1.36 | 1.35 | 1.34 | 1.34 | 1.34 | 1.34 | 1.35 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 |
| | 17°F 10°C | TC | 25351 | 25346 | 25342 | 25341 | 25706 | 26681 | 26674 | 26669 | 26668 | 26668 | 27635 | 27634 | 27630 | 27630 | 27634 | 29501 | 29493 | 29486 | 29485 | 29486 |
| | | S/T | 0.73 | 0.82 | 0.89 | 0.91 | 1.00 | 0.60 | 0.69 | 0.76 | 0.77 | 0.85 | 0.52 | 0.60 | 0.67 | 0.68 | 0.76 | 0.39 | 0.47 | 0.52 | 0.53 | 0.61 |
| | | PI | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.33 | 1.33 | 1.33 | 1.33 | 1.33 | 1.33 | 1.33 | 1.33 | 1.33 | 1.33 | 1.33 | 1.33 | 1.33 | 1.33 | 1.33 |
| | 23°F 5°C | TC | 25036 | 25037 | 25037 | 25053 | 25510 | 26383 | 26378 | 26378 | 26378 | 26381 | 27353 | 27351 | 27347 | 27346 | 27349 | 29217 | 29209 | 29202 | 29200 | 29201 |
| | | S/T | 0.74 | 0.83 | 0.90 | 0.91 | 1.00 | 0.61 | 0.69 | 0.77 | 0.78 | 0.86 | 0.52 | 0.60 | 0.67 | 0.69 | 0.77 | 0.39 | 0.47 | 0.52 | 0.53 | 0.61 |
| | | PI | 1.36 | 1.36 | 1.36 | 1.36 | 1.36 | 1.37 | 1.37 | 1.37 | 1.37 | 1.37 | 1.37 | 1.37 | 1.37 | 1.37 | 1.37 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 |
| | 35°F 1.7°C | TC | 24610 | 24608 | 24607 | 24606 | 24640 | 25885 | 25883 | 25880 | 25879 | 25877 | 26786 | 26781 | 26780 | 26779 | 26775 | 28473 | 28467 | 28461 | 28460 | 28459 |
| | | S/T | 0.70 | 0.78 | 0.85 | 0.86 | 0.93 | 0.59 | 0.66 | 0.72 | 0.74 | 0.81 | 0.51 | 0.58 | 0.64 | 0.65 | 0.73 | 0.39 | 0.46 | 0.50 | 0.51 | 0.58 |
| | | PI | 1.32 | 1.32 | 1.32 | 1.32 | 1.33 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.46 | 1.46 | 1.46 | 1.46 | 1.46 | 1.58 | 1.58 | 1.58 | 1.58 | 1.58 |
| | 41°F 5°C | TC | 24430 | 24427 | 24426 | 24426 | 24483 | 25686 | 25683 | 25680 | 25679 | 25677 | 26573 | 26568 | 26566 | 26565 | 26561 | 28235 | 28229 | 28224 | 28223 | 28221 |
| | | S/T | 0.71 | 0.79 | 0.86 | 0.87 | 0.95 | 0.59 | 0.67 | 0.73 | 0.74 | 0.82 | 0.51 | 0.59 | 0.65 | 0.66 | 0.73 | 0.39 | 0.46 | 0.51 | 0.52 | 0.59 |
| | | PI | 1.35 | 1.35 | 1.35 | 1.35 | 1.36 | 1.44 | 1.44 | 1.44 | 1.44 | 1.44 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.64 | 1.64 | 1.63 | 1.63 | 1.63 |
| | 47°F 8.3°C | TC | 24246 | 24243 | 24241 | 24241 | 24325 | 25483 | 25480 | 25477 | 25477 | 25475 | 26359 | 26353 | 26352 | 26351 | 26347 | 27996 | 27990 | 27984 | 27984 | 27981 |
| | | S/T | 0.71 | 0.80 | 0.87 | 0.88 | 0.96 | 0.59 | 0.67 | 0.74 | 0.75 | 0.83 | 0.51 | 0.59 | 0.65 | 0.66 | 0.74 | 0.39 | 0.46 | 0.51 | 0.52 | 0.59 |
| | | PI | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.48 | 1.48 | 1.48 | 1.48 | 1.48 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 | 1.69 | 1.69 | 1.69 | 1.69 | 1.69 |
| | 50°F 10°C | TC | 23857 | 23861 | 24081 | 24276 | 25177 | 25300 | 25306 | 25313 | 25314 | 25407 | 26347 | 26350 | 26361 | 26364 | 26374 | 28376 | 28366 | 28370 | 28368 | 28393 |
| | | S/T | 0.79 | 0.89 | 0.99 | 1.00 | 1.00 | 0.64 | 0.74 | 0.82 | 0.84 | 0.94 | 0.54 | 0.64 | 0.72 | 0.73 | 0.83 | 0.39 | 0.46 | 0.54 | 0.56 | 0.65 |
| | | PI | 1.56 | 1.56 | 1.56 | 1.56 | 1.57 | 1.57 | 1.57 | 1.57 | 1.57 | 1.57 | 1.57 | 1.57 | 1.57 | 1.57 | 1.57 | 1.56 | 1.56 | 1.56 | 1.56 | 1.56 |
| | 59°F 15°C | TC | 23768 | 23805 | 24273 | 24415 | 25370 | 25280 | 25285 | 25290 | 25291 | 25446 | 26386 | 26380 | 26390 | 26392 | 26399 | 28507 | 28496 | 28498 | 28497 | 28518 |
| | | S/T | 0.80 | 0.91 | 1.00 | 1.00 | 1.00 | 0.65 | 0.75 | 0.84 | 0.86 | 0.96 | 0.54 | 0.65 | 0.73 | 0.75 | 0.85 | 0.39 | 0.47 | 0.55 | 0.56 | 0.66 |
| | | PI | 1.61 | 1.61 | 1.61 | 1.61 | 1.62 | 1.62 | 1.62 | 1.62 | 1.62 | 1.62 | 1.62 | 1.62 | 1.62 | 1.62 | 1.62 | 1.63 | 1.63 | 1.63 | 1.63 | 1.63 |
| | 68°F 20°C | TC | 23693 | 23771 | 24442 | 24592 | 25597 | 25267 | 25271 | 25275 | 25275 | 25579 | 26415 | 26409 | 26419 | 26420 | 26425 | 28623 | 28611 | 28612 | 28611 | 28633 |
| | | S/T | 0.82 | 0.94 | 1.00 | 1.00 | 1.00 | 0.66 | 0.77 | 0.86 | 0.88 | 1.00 | 0.55 | 0.66 | 0.75 | 0.77 | 0.87 | 0.39 | 0.47 | 0.56 | 0.57 | 0.67 |
| | | PI | 1.65 | 1.65 | 1.66 | 1.66 | 1.67 | 1.67 | 1.67 | 1.67 | 1.67 | 1.67 | 1.68 | 1.68 | 1.68 | 1.68 | 1.68 | 1.70 | 1.70 | 1.70 | 1.70 | 1.70 |
| | 77°F 25°C | TC | 23580 | 23696 | 24510 | 24669 | 25731 | 25229 | 25238 | 25243 | 25268 | 25768 | 26436 | 26434 | 26448 | 26450 | 26482 | 28757 | 28744 | 28747 | 28748 | 28781 |
| | | S/T | 0.83 | 0.96 | 1.00 | 1.00 | 1.00 | 0.66 | 0.78 | 0.88 | 0.89 | 1.00 | 0.55 | 0.67 | 0.76 | 0.78 | 0.88 | 0.39 | 0.48 | 0.56 | 0.58 | 0.68 |
| | | PI | 1.71 | 1.72 | 1.72 | 1.72 | 1.73 | 1.73 | 1.73 | 1.73 | 1.73 | 1.73 | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 | 1.76 | 1.76 | 1.76 | 1.76 | 1.76 |
| | 82°F 27.8°C | TC | 23637 | 23790 | 24702 | 24866 | 25965 | 25334 | 25346 | 25368 | 25390 | 26002 | 26576 | 26578 | 26593 | 26595 | 26640 | 28967 | 28953 | 28959 | 28961 | 29000 |
| | | S/T | 0.84 | 0.97 | 1.00 | 1.00 | 1.00 | 0.67 | 0.79 | 0.88 | 0.90 | 1.00 | 0.56 | 0.67 | 0.77 | 0.78 | 0.89 | 0.39 | 0.48 | 0.57 | 0.58 | 0.68 |
| | | PI | 1.87 | 1.87 | 1.87 | 1.88 | 1.88 | 1.88 | 1.88 | 1.88 | 1.88 | 1.88 | 1.89 | 1.89 | 1.89 | 1.89 | 1.89 | 1.91 | 1.91 | 1.91 | 1.91 | 1.91 |
| | 86°F 30°C | TC | 23839 | 24047 | 25049 | 25218 | 26352 | 25582 | 25593 | 25628 | 25653 | 26390 | 26853 | 26857 | 26871 | 26873 | 26934 | 29306 | 29291 | 29296 | 29303 | 29339 |
| | | S/T | 0.85 | 0.98 | 1.00 | 1.00 | 1.00 | 0.67 | 0.80 | 0.89 | 0.91 | 1.00 | 0.56 | 0.68 | 0.77 | 0.79 | 0.90 | 0.39 | 0.48 | 0.57 | 0.59 | 0.69 |
| | | PI | 2.13 | 2.13 | 2.14 | 2.14 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.16 | 2.16 | 2.16 | 2.16 | 2.16 | 2.18 | 2.18 | 2.18 | 2.18 | 2.18 |
| | 95°F 35°C | TC | 24664 | 24663 | 24665 | 24693 | 25325 | 26315 | 26309 | 26307 | 26307 | 26312 | 27506 | 27504 | 27498 | 27497 | 27498 | 29808 | 29797 | 29789 | 29788 | 29788 |
| | | S/T | 0.74 | 0.83 | 0.91 | 0.92 | 1.00 | 0.61 | 0.69 | 0.77 | 0.78 | 0.87 | 0.52 | 0.60 | 0.67 | 0.69 | 0.77 | 0.39 | 0.47 | 0.52 | 0.53 | 0.61 |
| | | PI | 2.63 | 2.63 | 2.63 | 2.63 | 2.66 | 2.71 | 2.71 | 2.71 | 2.71 | 2.71 | 2.77 | 2.77 | 2.77 | 2.77 | 2.77 | 2.88 | 2.88 | 2.88 | 2.89 | 2.88 |
| | 104°F 40°C | TC | 22683 | 22684 | 22725 | 22756 | 23515 | 24199 | 24193 | 24193 | 24193 | 24198 | 25293 | 25290 | 25285 | 25285 | 25288 | 27404 | 27394 | 27387 | 27386 | 27386 |
| | | S/T | 0.75 | 0.85 | 0.93 | 0.95 | 1.00 | 0.61 | 0.71 | 0.78 | 0.80 | 0.89 | 0.52 | 0.61 | 0.69 | 0.70 | 0.79 | 0.39 | 0.45 | 0.52 | 0.54 | 0.62 |
| | | PI | 2.75 | 2.75 | 2.75 | 2.75 | 2.79 | 2.83 | 2.83 | 2.83 | 2.83 | 2.83 | 2.89 | 2.89 | 2.89 | 2.89 | 2.89 | 3.01 | 3.01 | 3.01 | 3.01 | 3.01 |
| | 110°F 43°C | TC | 21358 | 21388 | 21869 | 22010 | 22937 | 22869 | 22867 | 22871 | 22871 | 23002 | 23958 | 23955 | 23958 | 23959 | 23965 | 26059 | 26048 | 26047 | 26048 | 26046 |
| | | S/T | 0.80 | 0.91 | 1.00 | 1.00 | 1.00 | 0.64 | 0.75 | 0.84 | 0.86 | 0.96 | 0.54 | 0.65 | 0.73 | 0.75 | 0.85 | 0.39 | 0.47 | 0.55 | 0.56 | 0.66 |
| | | PI | 2.85 | 2.86 | 2.87 | 2.88 | 2.92 | 2.92 | 2.92 | 2.92 | 2.92 | 2.93 | 2.97 | 2.97 | 2.97 | 2.97 | 2.97 | 3.07 | 3.07 | 3.06 | 3.06 | 3.06 |
| | 115°F 46°C | TC | 16634 | 16697 | 17268 | 17381 | 18142 | 17842 | 17844 | 17846 | 17847 | 18169 | 18715 | 18713 | 18718 | 18720 | 18721 | 20396 | 20387 | 20386 | 20385 | 20393 |
| | | S/T | 0.83 | 0.95 | 1.00 | 1.00 | 1.00 | 0.66 | 0.77 | 0.87 | 0.89 | 1.00 | 0.55 | 0.66 | 0.75 | 0.77 | 0.88 | 0.39 | 0.47 | 0.56 | 0.57 | 0.67 |
| | | PI | 2.23 | 2.23 | 2.25 | 2.26 | 2.28 | 2.27 | 2.27 | 2.27 | 2.27 | 2.29 | 2.31 | 2.31 | 2.31 | 2.31 | 2.31 | 2.37 | 2.37 | 2.37 | 2.37 | 2.37 |
| | 122°F 50°C | TC | 10320 | 10765 | 11239 | 11320 | 11881 | 11130 | 11130 | 11227 | 11336 | 11897 | 11729 | 11733 | 11733 | 11733 | 11909 | 12890 | 12883 | 12892 | 12893 | 12896 |
| | | S/T | 0.93 | 1.00 | 1.00 | 1.00 | 1.00 | 0.72 | 0.86 | 0.99 | 1.00 | 1.00 | 0.59 | 0.73 | 0.84 | 0.86 | 1.00 | 0.39 | 0.50 | 0.61 | 0.62 | 0.75 |
| | | PI | 1.39 | 1.40 | 1.41 | 1.41 | 1.42 | 1.41 | 1.41 | 1.41 | 1.41 | 1.43 | 1.42 | 1.42 | 1.42 | 1.42 | 1.43 | 1.45 | 1.45 | 1.45 | 1.45 | 1.45 |

## Table 7 – 30K Cooling — 37MURA + 45MUAA (Continued)

| Airflow CFM | Out-door DB °F | ID WB °F | 60.8°F (16.0°C) | | | | | 64.4°F (16.0°C) | | | | | 67.0°F (19.4°C) | | | | | 71.6°F (22.0°C) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ID DB °F | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C |
| 806 | -13°F 25°C | TC | 23962 | 23957 | 23952 | 23952 | 24443 | 25041 | 25034 | 25027 | 25026 | 25018 | 25806 | 25797 | 25788 | 25787 | 25775 | 27240 | 27233 | 27222 | 27221 | 27204 |
| | | S/T | 0.75 | 0.84 | 0.92 | 0.93 | 1.00 | 0.61 | 0.70 | 0.78 | 0.79 | 0.88 | 0.52 | 0.61 | 0.69 | 0.70 | 0.79 | 0.38 | 0.46 | 0.53 | 0.54 | 0.62 |
| | | PI | 1.35 | 1.35 | 1.35 | 1.35 | 1.35 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 |
| | -4°F 20°C | TC | 25805 | 25800 | 25795 | 25794 | 26324 | 26967 | 26960 | 26952 | 26951 | 26942 | 27791 | 27782 | 27772 | 27770 | 27758 | 29335 | 29328 | 29316 | 29315 | 29296 |
| | | S/T | 0.75 | 0.84 | 0.92 | 0.94 | 1.00 | 0.61 | 0.71 | 0.78 | 0.79 | 0.88 | 0.53 | 0.61 | 0.69 | 0.70 | 0.79 | 0.39 | 0.46 | 0.53 | 0.54 | 0.63 |
| | | PI | 1.40 | 1.40 | 1.40 | 1.40 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.38 | 1.38 | 1.38 | 1.38 | 1.38 | 1.38 | 1.38 | 1.38 | 1.38 | 1.38 |
| | 0°F 17.8°C | TC | 26649 | 26642 | 26636 | 26635 | 27299 | 27837 | 27828 | 27817 | 27815 | 27803 | 28678 | 28666 | 28654 | 28651 | 28633 | 30239 | 30233 | 30229 | 30227 | 30231 |
| | | S/T | 0.75 | 0.85 | 0.93 | 0.95 | 1.00 | 0.62 | 0.71 | 0.79 | 0.80 | 0.90 | 0.53 | 0.62 | 0.70 | 0.71 | 0.80 | 0.39 | 0.46 | 0.53 | 0.55 | 0.63 |
| | | PI | 1.41 | 1.41 | 1.41 | 1.41 | 1.41 | 1.40 | 1.41 | 1.41 | 1.41 | 1.41 | 1.40 | 1.40 | 1.40 | 1.40 | 1.41 | 1.41 | 1.41 | 1.41 | 1.41 | 1.41 |
| | 5°F 15°C | TC | 27459 | 27462 | 27548 | 27587 | 28394 | 28797 | 28795 | 28799 | 28800 | 28834 | 29755 | 29754 | 29756 | 29757 | 29763 | 31584 | 31576 | 31576 | 31575 | 31577 |
| | | S/T | 0.76 | 0.86 | 0.94 | 0.96 | 1.00 | 0.62 | 0.72 | 0.80 | 0.81 | 0.90 | 0.53 | 0.62 | 0.70 | 0.72 | 0.81 | 0.39 | 0.46 | 0.54 | 0.55 | 0.64 |
| | | PI | 1.43 | 1.43 | 1.43 | 1.42 | 1.42 | 1.43 | 1.43 | 1.43 | 1.43 | 1.43 | 1.43 | 1.43 | 1.43 | 1.43 | 1.43 | 1.45 | 1.45 | 1.45 | 1.45 | 1.45 |
| | 14°F 10°C | TC | 27304 | 27298 | 27293 | 27292 | 28067 | 28699 | 28690 | 28682 | 28681 | 28672 | 29696 | 29686 | 29676 | 29674 | 29660 | 31591 | 31582 | 31570 | 31568 | 31548 |
| | | S/T | 0.75 | 0.85 | 0.93 | 0.95 | 1.00 | 0.62 | 0.71 | 0.79 | 0.80 | 0.89 | 0.53 | 0.62 | 0.69 | 0.71 | 0.79 | 0.39 | 0.46 | 0.53 | 0.54 | 0.63 |
| | | PI | 1.41 | 1.41 | 1.41 | 1.41 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 |
| | 17°F 10°C | TC | 27250 | 27242 | 27313 | 27351 | 28171 | 28642 | 28632 | 28638 | 28640 | 28670 | 29645 | 29645 | 29649 | 29651 | 29660 | 31590 | 31580 | 31583 | 31582 | 31589 |
| | | S/T | 0.76 | 0.86 | 0.94 | 0.96 | 1.00 | 0.62 | 0.72 | 0.80 | 0.81 | 0.90 | 0.53 | 0.62 | 0.70 | 0.71 | 0.80 | 0.39 | 0.46 | 0.53 | 0.55 | 0.63 |
| | | PI | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 |
| | 23°F 5°C | TC | 26916 | 26918 | 27028 | 27076 | 27965 | 28328 | 28328 | 28333 | 28333 | 28379 | 29343 | 29342 | 29345 | 29346 | 29353 | 31287 | 31277 | 31279 | 31277 | 31282 |
| | | S/T | 0.77 | 0.87 | 0.95 | 0.97 | 1.00 | 0.62 | 0.72 | 0.80 | 0.82 | 0.91 | 0.53 | 0.63 | 0.71 | 0.72 | 0.81 | 0.39 | 0.46 | 0.54 | 0.55 | 0.64 |
| | | PI | 1.42 | 1.42 | 1.42 | 1.42 | 1.42 | 1.42 | 1.42 | 1.42 | 1.42 | 1.42 | 1.43 | 1.43 | 1.43 | 1.43 | 1.43 | 1.45 | 1.45 | 1.45 | 1.45 | 1.45 |
| | 35°F 1.7°C | TC | 26501 | 26499 | 26500 | 26500 | 26841 | 27819 | 27814 | 27811 | 27811 | 27813 | 28744 | 28741 | 28737 | 28736 | 28735 | 30471 | 30464 | 30458 | 30457 | 30456 |
| | | S/T | 0.73 | 0.81 | 0.89 | 0.90 | 1.00 | 0.60 | 0.68 | 0.76 | 0.77 | 0.85 | 0.52 | 0.60 | 0.67 | 0.68 | 0.76 | 0.39 | 0.47 | 0.52 | 0.53 | 0.60 |
| | | PI | 1.38 | 1.38 | 1.38 | 1.38 | 1.40 | 1.46 | 1.46 | 1.46 | 1.46 | 1.46 | 1.52 | 1.52 | 1.52 | 1.52 | 1.52 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 |
| | 41°F 5°C | TC | 26237 | 26300 | 26301 | 26309 | 26742 | 27601 | 27596 | 27594 | 27594 | 27595 | 28514 | 28512 | 28507 | 28506 | 28505 | 30217 | 30210 | 30204 | 30202 | 30200 |
| | | S/T | 0.74 | 0.82 | 0.90 | 0.91 | 1.00 | 0.60 | 0.69 | 0.76 | 0.78 | 0.86 | 0.52 | 0.60 | 0.67 | 0.69 | 0.77 | 0.39 | 0.45 | 0.52 | 0.53 | 0.61 |
| | | PI | 1.41 | 1.41 | 1.41 | 1.41 | 1.44 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.57 | 1.57 | 1.56 | 1.56 | 1.56 | 1.71 | 1.71 | 1.70 | 1.70 | 1.70 |
| | 47°F 8.3°C | TC | 26101 | 26100 | 26100 | 26125 | 26640 | 27382 | 27377 | 27375 | 27375 | 27376 | 28285 | 28281 | 28277 | 28277 | 28276 | 29965 | 29958 | 29952 | 29951 | 29949 |
| | | S/T | 0.74 | 0.83 | 0.91 | 0.92 | 1.00 | 0.61 | 0.70 | 0.77 | 0.78 | 0.87 | 0.52 | 0.61 | 0.68 | 0.69 | 0.78 | 0.39 | 0.45 | 0.52 | 0.53 | 0.62 |
| | | PI | 1.45 | 1.45 | 1.45 | 1.45 | 1.48 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.61 | 1.61 | 1.61 | 1.61 | 1.61 | 1.76 | 1.76 | 1.76 | 1.76 | 1.76 |
| | 50°F 10°C | TC | 25631 | 25740 | 26467 | 26617 | 27623 | 27153 | 27169 | 27177 | 27205 | 27658 | 28255 | 28271 | 28288 | 28290 | 28331 | 30359 | 30348 | 30383 | 30392 | 30433 |
| | | S/T | 0.83 | 0.95 | 1.00 | 1.00 | 1.00 | 0.66 | 0.78 | 0.87 | 0.88 | 1.00 | 0.55 | 0.66 | 0.76 | 0.77 | 0.88 | 0.39 | 0.48 | 0.56 | 0.58 | 0.68 |
| | | PI | 1.63 | 1.63 | 1.63 | 1.63 | 1.63 | 1.63 | 1.63 | 1.63 | 1.63 | 1.63 | 1.63 | 1.63 | 1.63 | 1.63 | 1.63 | 1.63 | 1.63 | 1.63 | 1.63 | 1.63 |
| | 59°F 15°C | TC | 25537 | 25720 | 26629 | 26788 | 27852 | 27135 | 27148 | 27189 | 27214 | 27888 | 28290 | 28305 | 28319 | 28320 | 28389 | 30512 | 30498 | 30529 | 30535 | 30567 |
| | | S/T | 0.85 | 0.97 | 1.00 | 1.00 | 1.00 | 0.67 | 0.79 | 0.89 | 0.91 | 1.00 | 0.56 | 0.68 | 0.77 | 0.79 | 0.90 | 0.39 | 0.48 | 0.57 | 0.59 | 0.69 |
| | | PI | 1.68 | 1.68 | 1.68 | 1.69 | 1.69 | 1.69 | 1.69 | 1.69 | 1.69 | 1.69 | 1.69 | 1.69 | 1.69 | 1.69 | 1.69 | 1.70 | 1.70 | 1.70 | 1.70 | 1.70 |
| | 68°F 20°C | TC | 25457 | 25884 | 26825 | 26992 | 28113 | 27123 | 27133 | 27208 | 27241 | 28149 | 28325 | 28340 | 28350 | 28351 | 28461 | 30642 | 30629 | 30659 | 30665 | 30690 |
| | | S/T | 0.87 | 1.00 | 1.00 | 1.00 | 1.00 | 0.69 | 0.81 | 0.91 | 0.93 | 1.00 | 0.57 | 0.69 | 0.79 | 0.81 | 0.93 | 0.39 | 0.49 | 0.58 | 0.60 | 0.71 |
| | | PI | 1.73 | 1.73 | 1.74 | 1.74 | 1.75 | 1.74 | 1.74 | 1.74 | 1.74 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.78 | 1.78 | 1.78 | 1.78 | 1.77 |
| | 77°F 25°C | TC | 25334 | 25925 | 26918 | 27095 | 28279 | 27085 | 27098 | 27202 | 27246 | 28316 | 28342 | 28366 | 28380 | 28382 | 28529 | 30773 | 30759 | 30807 | 30815 | 30850 |
| | | S/T | 0.88 | 1.00 | 1.00 | 1.00 | 1.00 | 0.69 | 0.82 | 0.93 | 0.95 | 1.00 | 0.57 | 0.70 | 0.80 | 0.82 | 0.94 | 0.39 | 0.49 | 0.59 | 0.60 | 0.72 |
| | | PI | 1.79 | 1.79 | 1.80 | 1.80 | 1.81 | 1.80 | 1.80 | 1.80 | 1.80 | 1.81 | 1.81 | 1.81 | 1.81 | 1.81 | 1.81 | 1.83 | 1.83 | 1.83 | 1.83 | 1.83 |
| | 82°F 27.8°C | TC | 25416 | 26106 | 27134 | 27317 | 28542 | 27198 | 27213 | 27343 | 27397 | 28580 | 28490 | 28521 | 28536 | 28538 | 28718 | 30993 | 30998 | 31037 | 31046 | 31086 |
| | | S/T | 0.88 | 1.00 | 1.00 | 1.00 | 1.00 | 0.70 | 0.83 | 0.94 | 0.96 | 1.00 | 0.58 | 0.70 | 0.81 | 0.83 | 0.96 | 0.39 | 0.49 | 0.59 | 0.61 | 0.72 |
| | | PI | 1.95 | 1.95 | 1.96 | 1.96 | 1.97 | 1.96 | 1.96 | 1.96 | 1.96 | 1.97 | 1.97 | 1.97 | 1.97 | 1.97 | 1.97 | 1.99 | 1.99 | 1.99 | 1.99 | 1.99 |
| | 86°F 30°C | TC | 25650 | 26460 | 27521 | 27708 | 28972 | 27466 | 27479 | 27643 | 27717 | 29010 | 28791 | 28821 | 28835 | 28837 | 29060 | 31357 | 31359 | 31405 | 31413 | 31450 |
| | | S/T | 0.90 | 1.00 | 1.00 | 1.00 | 1.00 | 0.71 | 0.84 | 0.96 | 0.98 | 1.00 | 0.58 | 0.71 | 0.82 | 0.84 | 0.97 | 0.39 | 0.50 | 0.60 | 0.61 | 0.73 |
| | | PI | 2.22 | 2.23 | 2.24 | 2.24 | 2.25 | 2.24 | 2.24 | 2.24 | 2.24 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 |
| | 95°F 35°C | TC | 26527 | 26533 | 26678 | 26747 | 27850 | 28261 | 28258 | 28265 | 28267 | 28317 | 29509 | 29508 | 29507 | 29508 | 29522 | 31914 | 31902 | 31893 | 31908 | 31899 |
| | | S/T | 0.77 | 0.87 | 0.96 | 0.98 | 1.00 | 0.63 | 0.72 | 0.80 | 0.82 | 0.91 | 0.53 | 0.62 | 0.70 | 0.72 | 0.81 | 0.39 | 0.46 | 0.53 | 0.55 | 0.63 |
| | | PI | 2.74 | 2.74 | 2.74 | 2.75 | 2.80 | 2.82 | 2.82 | 2.82 | 2.82 | 2.82 | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 | 3.01 | 3.01 | 3.01 | 3.01 | 3.00 |
| | 104°F 40°C | TC | 24392 | 24396 | 24647 | 24874 | 25854 | 25984 | 25982 | 25990 | 25991 | 26084 | 27132 | 27131 | 27133 | 27135 | 27145 | 29337 | 29326 | 29317 | 29326 | 29324 |
| | | S/T | 0.79 | 0.89 | 0.99 | 1.00 | 1.00 | 0.63 | 0.74 | 0.82 | 0.84 | 0.94 | 0.54 | 0.64 | 0.72 | 0.73 | 0.83 | 0.39 | 0.46 | 0.54 | 0.55 | 0.65 |
| | | PI | 2.87 | 2.87 | 2.88 | 2.89 | 2.95 | 2.95 | 2.95 | 2.95 | 2.95 | 2.96 | 3.02 | 3.02 | 3.02 | 3.02 | 3.02 | 3.14 | 3.14 | 3.14 | 3.14 | 3.14 |
| | 110°F 43°C | TC | 22961 | 23136 | 24028 | 24183 | 25215 | 24547 | 24556 | 24578 | 24600 | 25249 | 25699 | 25698 | 25708 | 25709 | 25754 | 27894 | 27886 | 27886 | 27888 | 27909 |
| | | S/T | 0.85 | 0.97 | 1.00 | 1.00 | 1.00 | 0.67 | 0.79 | 0.89 | 0.91 | 1.00 | 0.56 | 0.68 | 0.77 | 0.79 | 0.90 | 0.39 | 0.48 | 0.57 | 0.59 | 0.69 |
| | | PI | 2.98 | 2.99 | 3.02 | 3.03 | 3.07 | 3.05 | 3.05 | 3.05 | 3.05 | 3.08 | 3.10 | 3.10 | 3.10 | 3.10 | 3.10 | 3.20 | 3.20 | 3.20 | 3.20 | 3.20 |
| | 115°F 46°C | TC | 17881 | 18263 | 18976 | 19101 | 19945 | 19155 | 19162 | 19213 | 19240 | 19972 | 20075 | 20080 | 20086 | 20087 | 20162 | 21838 | 21828 | 21835 | 21840 | 21856 |
| | | S/T | 0.88 | 1.00 | 1.00 | 1.00 | 1.00 | 0.69 | 0.82 | 0.92 | 0.94 | 1.00 | 0.57 | 0.69 | 0.80 | 0.82 | 0.94 | 0.39 | 0.49 | 0.58 | 0.60 | 0.71 |
| | | PI | 2.32 | 2.34 | 2.36 | 2.37 | 2.40 | 2.37 | 2.37 | 2.37 | 2.37 | 2.40 | 2.41 | 2.41 | 2.40 | 2.40 | 2.41 | 2.47 | 2.47 | 2.47 | 2.47 | 2.47 |
| | 122°F 50°C | TC | 11174 | 11804 | 12326 | 12419 | 13040 | 11930 | 11961 | 12342 | 12435 | 13054 | 12567 | 12570 | 12590 | 12604 | 13067 | 13783 | 13787 | 13799 | 13800 | 13798 |
| | | S/T | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.76 | 0.92 | 1.00 | 1.00 | 1.00 | 0.62 | 0.77 | 0.89 | 0.92 | 1.00 | 0.40 | 0.52 | 0.64 | 0.66 | 0.79 |
| | | PI | 1.45 | 1.47 | 1.48 | 1.48 | 1.49 | 1.47 | 1.47 | 1.48 | 1.48 | 1.49 | 1.48 | 1.48 | 1.48 | 1.48 | 1.49 | 1.51 | 1.51 | 1.51 | 1.51 | 1.51 |

## Table 7 – 30K Cooling — 37MURA + 45MUAA (Continued)

| Airflow CFM | Out-door DB °F | ID WB °F | 60.8°F (16.0°C) | | | | | 64.4°F (16.0°C) | | | | | 67.0°F (19.4°C) | | | | | 71.6°F (22.0°C) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ID DB °F | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C |
| 894 | -13°F 25°C | TC | 25768 | 25759 | 25752 | 25901 | 26664 | 26903 | 26888 | 26876 | 26874 | 26855 | 27706 | 27691 | 27673 | 27670 | 27650 | 29226 | 29218 | 29197 | 29189 | 29146 |
| | | S/T | 0.77 | 0.88 | 0.97 | 1.00 | 1.00 | 0.63 | 0.73 | 0.81 | 0.83 | 0.93 | 0.54 | 0.63 | 0.71 | 0.73 | 0.83 | 0.39 | 0.46 | 0.54 | 0.56 | 0.65 |
| | | PI | 1.42 | 1.42 | 1.42 | 1.42 | 1.41 | 1.41 | 1.41 | 1.41 | 1.41 | 1.41 | 1.41 | 1.41 | 1.41 | 1.41 | 1.41 | 1.41 | 1.41 | 1.41 | 1.41 | 1.41 |
| | -4°F 20°C | TC | 27750 | 27740 | 27733 | 27894 | 28715 | 28972 | 28956 | 28943 | 28941 | 28921 | 29837 | 29821 | 29801 | 29798 | 29777 | 31474 | 31466 | 31442 | 31435 | 31388 |
| | | S/T | 0.78 | 0.88 | 0.97 | 1.00 | 1.00 | 0.63 | 0.73 | 0.82 | 0.83 | 0.93 | 0.54 | 0.64 | 0.72 | 0.73 | 0.83 | 0.39 | 0.47 | 0.55 | 0.56 | 0.65 |
| | | PI | 1.47 | 1.47 | 1.47 | 1.47 | 1.46 | 1.46 | 1.46 | 1.46 | 1.46 | 1.46 | 1.46 | 1.46 | 1.46 | 1.46 | 1.46 | 1.46 | 1.46 | 1.46 | 1.46 | 1.46 |
| | 0°F 17.8°C | TC | 28666 | 28654 | 28764 | 28984 | 29786 | 29916 | 29893 | 29876 | 29873 | 29868 | 30793 | 30776 | 30748 | 30743 | 30716 | 32453 | 32443 | 32445 | 32448 | 32472 |
| | | S/T | 0.78 | 0.89 | 0.99 | 1.00 | 1.00 | 0.64 | 0.74 | 0.83 | 0.84 | 0.95 | 0.54 | 0.64 | 0.73 | 0.74 | 0.84 | 0.39 | 0.47 | 0.55 | 0.57 | 0.66 |
| | | PI | 1.48 | 1.48 | 1.48 | 1.48 | 1.48 | 1.48 | 1.48 | 1.48 | 1.48 | 1.48 | 1.48 | 1.48 | 1.48 | 1.48 | 1.48 | 1.49 | 1.49 | 1.49 | 1.49 | 1.49 |
| | 5°F 15°C | TC | 29509 | 29536 | 29934 | 30071 | 30991 | 30912 | 30919 | 30922 | 30923 | 31075 | 31924 | 31921 | 31930 | 31931 | 31935 | 33832 | 33822 | 33822 | 33825 | 33843 |
| | | S/T | 0.79 | 0.90 | 1.00 | 1.00 | 1.00 | 0.64 | 0.75 | 0.84 | 0.85 | 0.96 | 0.54 | 0.65 | 0.73 | 0.75 | 0.85 | 0.39 | 0.47 | 0.55 | 0.57 | 0.66 |
| | | PI | 1.49 | 1.49 | 1.49 | 1.49 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.51 | 1.51 | 1.51 | 1.51 | 1.51 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 |
| | 14°F 10°C | TC | 29346 | 29335 | 29456 | 29714 | 30636 | 30819 | 30801 | 30786 | 30784 | 30768 | 31884 | 31869 | 31844 | 31840 | 31813 | 33889 | 33879 | 33854 | 33846 | 33794 |
| | | S/T | 0.78 | 0.89 | 0.99 | 1.00 | 1.00 | 0.64 | 0.74 | 0.82 | 0.84 | 0.94 | 0.54 | 0.64 | 0.72 | 0.74 | 0.83 | 0.39 | 0.47 | 0.55 | 0.56 | 0.65 |
| | | PI | 1.48 | 1.48 | 1.48 | 1.48 | 1.48 | 1.47 | 1.47 | 1.47 | 1.47 | 1.48 | 1.47 | 1.47 | 1.47 | 1.47 | 1.47 | 1.48 | 1.48 | 1.48 | 1.48 | 1.48 |
| | 17°F 10°C | TC | 29328 | 29336 | 29695 | 29866 | 30828 | 30801 | 30803 | 30810 | 30811 | 30956 | 31783 | 31795 | 31816 | 31817 | 31825 | 33897 | 33886 | 33890 | 33896 | 33928 |
| | | S/T | 0.79 | 0.89 | 1.00 | 1.00 | 1.00 | 0.64 | 0.74 | 0.83 | 0.85 | 0.95 | 0.55 | 0.65 | 0.73 | 0.75 | 0.85 | 0.39 | 0.47 | 0.55 | 0.57 | 0.66 |
| | | PI | 1.46 | 1.46 | 1.46 | 1.46 | 1.46 | 1.46 | 1.46 | 1.46 | 1.46 | 1.46 | 1.46 | 1.46 | 1.46 | 1.46 | 1.46 | 1.47 | 1.47 | 1.47 | 1.47 | 1.47 |
| | 23°F 5°C | TC | 28924 | 28964 | 29435 | 29580 | 30547 | 30408 | 30416 | 30420 | 30421 | 30601 | 31480 | 31479 | 31489 | 31490 | 31496 | 33510 | 33500 | 33501 | 33506 | 33529 |
| | | S/T | 0.80 | 0.91 | 1.00 | 1.00 | 1.00 | 0.65 | 0.75 | 0.84 | 0.86 | 0.97 | 0.54 | 0.65 | 0.74 | 0.75 | 0.85 | 0.39 | 0.47 | 0.56 | 0.57 | 0.66 |
| | | PI | 1.49 | 1.49 | 1.49 | 1.49 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.51 | 1.51 | 1.51 | 1.51 | 1.51 | 1.53 | 1.53 | 1.53 | 1.53 | 1.53 |
| | 35°F 1.7°C | TC | 28513 | 28514 | 28569 | 28601 | 29336 | 29881 | 29877 | 29879 | 29879 | 29880 | 30842 | 30840 | 30836 | 30836 | 30840 | 32628 | 32620 | 32613 | 32618 | 32612 |
| | | S/T | 0.75 | 0.85 | 0.93 | 0.94 | 1.00 | 0.62 | 0.71 | 0.79 | 0.80 | 0.89 | 0.53 | 0.62 | 0.69 | 0.71 | 0.80 | 0.39 | 0.46 | 0.53 | 0.54 | 0.63 |
| | | PI | 1.45 | 1.45 | 1.45 | 1.45 | 1.50 | 1.53 | 1.53 | 1.53 | 1.53 | 1.53 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 |
| | 41°F 5°C | TC | 28296 | 28297 | 28375 | 28413 | 29220 | 29647 | 29644 | 29645 | 29645 | 29671 | 30596 | 30592 | 30590 | 30590 | 30594 | 32357 | 32349 | 32343 | 32346 | 32342 |
| | | S/T | 0.76 | 0.86 | 0.94 | 0.96 | 1.00 | 0.62 | 0.72 | 0.80 | 0.81 | 0.90 | 0.53 | 0.62 | 0.70 | 0.71 | 0.81 | 0.39 | 0.46 | 0.53 | 0.55 | 0.64 |
| | | PI | 1.48 | 1.48 | 1.49 | 1.49 | 1.55 | 1.58 | 1.58 | 1.58 | 1.58 | 1.58 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.80 | 1.79 | 1.79 | 1.79 | 1.79 |
| | 47°F 8.3°C | TC | 28076 | 28077 | 28185 | 28234 | 29102 | 29412 | 29408 | 29409 | 29409 | 29454 | 30349 | 30346 | 30343 | 30344 | 30346 | 32091 | 32083 | 32080 | 32079 | 32075 |
| | | S/T | 0.77 | 0.87 | 0.95 | 0.97 | 1.00 | 0.63 | 0.72 | 0.81 | 0.82 | 0.91 | 0.53 | 0.63 | 0.71 | 0.72 | 0.82 | 0.39 | 0.46 | 0.54 | 0.55 | 0.64 |
| | | PI | 1.52 | 1.52 | 1.53 | 1.53 | 1.60 | 1.62 | 1.62 | 1.62 | 1.62 | 1.62 | 1.70 | 1.70 | 1.70 | 1.70 | 1.70 | 1.85 | 1.85 | 1.85 | 1.85 | 1.85 |
| | 50°F 10°C | TC | 27532 | 27982 | 28917 | 29083 | 30197 | 29150 | 29167 | 29262 | 29300 | 30232 | 30298 | 30337 | 30355 | 30356 | 30493 | 32481 | 32496 | 32575 | 32584 | 32628 |
| | | S/T | 0.87 | 1.00 | 1.00 | 1.00 | 1.00 | 0.69 | 0.81 | 0.92 | 0.94 | 1.00 | 0.57 | 0.69 | 0.80 | 0.81 | 0.93 | 0.39 | 0.49 | 0.58 | 0.60 | 0.71 |
| | | PI | 1.72 | 1.72 | 1.72 | 1.72 | 1.72 | 1.72 | 1.72 | 1.72 | 1.72 | 1.72 | 1.72 | 1.72 | 1.72 | 1.72 | 1.72 | 1.72 | 1.72 | 1.72 | 1.72 | 1.72 |
| | 59°F 15°C | TC | 27458 | 28119 | 29108 | 29284 | 30462 | 29133 | 29146 | 29291 | 29347 | 30497 | 30343 | 30375 | 30388 | 30389 | 30590 | 32660 | 32669 | 32733 | 32740 | 32772 |
| | | S/T | 0.88 | 1.00 | 1.00 | 1.00 | 1.00 | 0.70 | 0.83 | 0.94 | 0.97 | 1.00 | 0.58 | 0.71 | 0.81 | 0.83 | 0.96 | 0.39 | 0.50 | 0.59 | 0.61 | 0.73 |
| | | PI | 1.77 | 1.77 | 1.78 | 1.78 | 1.78 | 1.78 | 1.78 | 1.78 | 1.78 | 1.78 | 1.78 | 1.78 | 1.78 | 1.78 | 1.78 | 1.79 | 1.79 | 1.79 | 1.79 | 1.79 |
| | 68°F 20°C | TC | 27407 | 28291 | 29332 | 29517 | 30758 | 29120 | 29129 | 29357 | 29549 | 30793 | 30387 | 30412 | 30421 | 30422 | 30768 | 32812 | 32823 | 32875 | 32881 | 32905 |
| | | S/T | 0.91 | 1.00 | 1.00 | 1.00 | 1.00 | 0.72 | 0.85 | 0.97 | 1.00 | 1.00 | 0.59 | 0.72 | 0.84 | 0.86 | 0.99 | 0.40 | 0.50 | 0.61 | 0.62 | 0.75 |
| | | PI | 1.82 | 1.83 | 1.84 | 1.84 | 1.85 | 1.83 | 1.83 | 1.84 | 1.84 | 1.85 | 1.85 | 1.85 | 1.85 | 1.85 | 1.85 | 1.87 | 1.87 | 1.87 | 1.87 | 1.87 |
| | 77°F 25°C | TC | 27302 | 28348 | 29448 | 29643 | 30954 | 29078 | 29091 | 29426 | 29678 | 30990 | 30405 | 30440 | 30454 | 30489 | 31018 | 32931 | 32960 | 33034 | 33042 | 33078 |
| | | S/T | 0.92 | 1.00 | 1.00 | 1.00 | 1.00 | 0.72 | 0.87 | 0.99 | 1.00 | 1.00 | 0.59 | 0.73 | 0.85 | 0.86 | 1.00 | 0.40 | 0.51 | 0.61 | 0.63 | 0.76 |
| | | PI | 1.88 | 1.89 | 1.90 | 1.90 | 1.91 | 1.90 | 1.90 | 1.90 | 1.90 | 1.91 | 1.91 | 1.91 | 1.91 | 1.91 | 1.91 | 1.93 | 1.93 | 1.93 | 1.93 | 1.93 |
| | 82°F 27.8°C | TC | 27391 | 28552 | 29690 | 29893 | 31252 | 29199 | 29246 | 29726 | 29929 | 31287 | 30565 | 30606 | 30621 | 30669 | 31316 | 33153 | 33196 | 33279 | 33288 | 33327 |
| | | S/T | 0.94 | 1.00 | 1.00 | 1.00 | 1.00 | 0.73 | 0.87 | 1.00 | 1.00 | 1.00 | 0.60 | 0.74 | 0.86 | 0.87 | 1.00 | 0.40 | 0.51 | 0.62 | 0.63 | 0.76 |
| | | PI | 2.05 | 2.06 | 2.07 | 2.07 | 2.08 | 2.06 | 2.06 | 2.07 | 2.07 | 2.08 | 2.08 | 2.07 | 2.07 | 2.07 | 2.08 | 2.10 | 2.10 | 2.09 | 2.09 | 2.09 |
| | 86°F 30°C | TC | 27627 | 28907 | 30080 | 30287 | 31699 | 29452 | 29513 | 30116 | 30323 | 31724 | 30857 | 30893 | 30942 | 30970 | 31753 | 33509 | 33557 | 33636 | 33644 | 33679 |
| | | S/T | 0.95 | 1.00 | 1.00 | 1.00 | 1.00 | 0.74 | 0.88 | 1.00 | 1.00 | 1.00 | 0.60 | 0.75 | 0.86 | 0.88 | 1.00 | 0.40 | 0.51 | 0.62 | 0.64 | 0.77 |
| | | PI | 2.34 | 2.35 | 2.36 | 2.36 | 2.38 | 2.36 | 2.36 | 2.36 | 2.36 | 2.38 | 2.37 | 2.37 | 2.37 | 2.37 | 2.38 | 2.40 | 2.40 | 2.40 | 2.40 | 2.40 |
| | 95°F 35°C | TC | 28510 | 28561 | 29174 | 29346 | 30497 | 30334 | 30341 | 30352 | 30353 | 30559 | 31644 | 31647 | 31663 | 31666 | 31680 | 34160 | 34148 | 34152 | 34150 | 34175 |
| | | S/T | 0.80 | 0.91 | 1.00 | 1.00 | 1.00 | 0.65 | 0.75 | 0.84 | 0.86 | 0.96 | 0.54 | 0.65 | 0.73 | 0.75 | 0.85 | 0.39 | 0.47 | 0.55 | 0.56 | 0.66 |
| | | PI | 2.88 | 2.88 | 2.91 | 2.92 | 2.98 | 2.97 | 2.97 | 2.97 | 2.97 | 2.98 | 3.04 | 3.04 | 3.04 | 3.04 | 3.04 | 3.16 | 3.16 | 3.16 | 3.16 | 3.16 |
| | 104°F 40°C | TC | 26212 | 26306 | 27064 | 27223 | 28303 | 27890 | 27899 | 27906 | 27908 | 28275 | 29095 | 29100 | 29115 | 29118 | 29127 | 31407 | 31395 | 31402 | 31396 | 31426 |
| | | S/T | 0.82 | 0.94 | 1.00 | 1.00 | 1.00 | 0.66 | 0.77 | 0.86 | 0.88 | 1.00 | 0.55 | 0.66 | 0.75 | 0.77 | 0.87 | 0.39 | 0.47 | 0.56 | 0.58 | 0.67 |
| | | PI | 3.02 | 3.02 | 3.06 | 3.07 | 3.13 | 3.11 | 3.11 | 3.11 | 3.11 | 3.13 | 3.18 | 3.18 | 3.18 | 3.18 | 3.18 | 3.31 | 3.31 | 3.31 | 3.31 | 3.31 |
| | 110°F 43°C | TC | 24673 | 25340 | 26301 | 26472 | 27609 | 26357 | 26367 | 26482 | 26533 | 27640 | 27562 | 27578 | 27587 | 27587 | 27748 | 29875 | 29862 | 29892 | 29897 | 29920 |
| | | S/T | 0.89 | 1.00 | 1.00 | 1.00 | 1.00 | 0.70 | 0.83 | 0.94 | 0.96 | 1.00 | 0.58 | 0.70 | 0.81 | 0.83 | 0.96 | 0.39 | 0.49 | 0.59 | 0.61 | 0.73 |
| | | PI | 3.13 | 3.16 | 3.20 | 3.21 | 3.26 | 3.21 | 3.21 | 3.21 | 3.21 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.27 | 3.37 | 3.37 | 3.37 | 3.36 | 3.36 |
| | 115°F 46°C | TC | 19238 | 19963 | 20747 | 20886 | 21817 | 20548 | 20553 | 20733 | 20913 | 21842 | 21529 | 21548 | 21554 | 21554 | 21862 | 23364 | 23353 | 23390 | 23393 | 23405 |
| | | S/T | 0.92 | 1.00 | 1.00 | 1.00 | 1.00 | 0.72 | 0.86 | 0.98 | 1.00 | 1.00 | 0.59 | 0.73 | 0.84 | 0.86 | 1.00 | 0.40 | 0.50 | 0.61 | 0.63 | 0.75 |
| | | PI | 2.44 | 2.46 | 2.49 | 2.50 | 2.53 | 2.49 | 2.49 | 2.49 | 2.50 | 2.53 | 2.53 | 2.53 | 2.53 | 2.53 | 2.54 | 2.60 | 2.60 | 2.60 | 2.60 | 2.59 |
| | 122°F 50°C | TC | 12198 | 12866 | 13439 | 13541 | 14221 | 12763 | 12863 | 13454 | 13556 | 14236 | 13441 | 13440 | 13510 | 13551 | 14248 | 14710 | 14739 | 14747 | 14746 | 14738 |
| | | S/T | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.80 | 0.98 | 1.00 | 1.00 | 1.00 | 0.64 | 0.81 | 0.95 | 0.98 | 1.00 | 0.41 | 0.54 | 0.67 | 0.69 | 0.84 |
| | | PI | 1.53 | 1.55 | 1.56 | 1.56 | 1.57 | 1.55 | 1.55 | 1.56 | 1.56 | 1.58 | 1.56 | 1.56 | 1.56 | 1.56 | 1.58 | 1.59 | 1.59 | 1.59 | 1.59 | 1.59 |

Table 7 – 30K Cooling — **37MURA + 45MUAA** (Continued)

| Airflow CFM | Out-door DB °F | ID WB °F | 60.8°F (16.0°C) | | | | | 64.4°F (16.0°C) | | | | | 67.0°F (19.4°C) | | | | | 71.6°F (22.0°C) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ID DB °F | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C |
| 988 | -13°F 25°C | TC | 27696 | 27683 | 28078 | 28194 | 28970 | 28896 | 28873 | 28854 | 28852 | 28828 | 29760 | 29723 | 29695 | 29691 | 29662 | 31392 | 31383 | 31319 | 31307 | 31241 |
| | | S/T | 0.80 | 0.91 | 1.00 | 1.00 | 1.00 | 0.65 | 0.75 | 0.85 | 0.86 | 0.97 | 0.55 | 0.65 | 0.74 | 0.76 | 0.86 | 0.39 | 0.47 | 0.56 | 0.57 | 0.67 |
| | | PI | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.49 | 1.50 | 1.50 | 1.50 | 1.50 | 1.49 | 1.49 | 1.49 | 1.49 | 1.49 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 |
| | -4°F 20°C | TC | 29826 | 29813 | 30238 | 30363 | 31199 | 31119 | 31094 | 31074 | 31071 | 31045 | 32050 | 32009 | 31979 | 31975 | 31944 | 33806 | 33797 | 33728 | 33715 | 33644 |
| | | S/T | 0.80 | 0.92 | 1.00 | 1.00 | 1.00 | 0.65 | 0.76 | 0.85 | 0.87 | 0.98 | 0.55 | 0.65 | 0.74 | 0.76 | 0.86 | 0.39 | 0.48 | 0.56 | 0.57 | 0.67 |
| | | PI | 1.56 | 1.56 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 | 1.56 | 1.56 | 1.56 | 1.56 | 1.56 |
| | 0°F 17.8°C | TC | 30816 | 30798 | 31369 | 31500 | 32365 | 32138 | 32102 | 32077 | 32074 | 32396 | 33082 | 33035 | 32994 | 32989 | 32974 | 34861 | 34853 | 34850 | 34855 | 34878 |
| | | S/T | 0.81 | 0.93 | 1.00 | 1.00 | 1.00 | 0.66 | 0.77 | 0.86 | 0.88 | 1.00 | 0.55 | 0.66 | 0.75 | 0.77 | 0.87 | 0.39 | 0.48 | 0.57 | 0.58 | 0.68 |
| | | PI | 1.57 | 1.57 | 1.57 | 1.57 | 1.57 | 1.57 | 1.57 | 1.57 | 1.57 | 1.57 | 1.57 | 1.57 | 1.57 | 1.57 | 1.57 | 1.59 | 1.59 | 1.59 | 1.59 | 1.59 |
| | 5°F 15°C | TC | 31700 | 31809 | 32536 | 32686 | 33693 | 33186 | 33195 | 33197 | 33231 | 33726 | 34247 | 34256 | 34263 | 34264 | 34310 | 36256 | 36245 | 36264 | 36268 | 36284 |
| | | S/T | 0.82 | 0.94 | 1.00 | 1.00 | 1.00 | 0.66 | 0.78 | 0.87 | 0.88 | 1.00 | 0.56 | 0.67 | 0.76 | 0.78 | 0.88 | 0.39 | 0.48 | 0.57 | 0.59 | 0.69 |
| | | PI | 1.58 | 1.58 | 1.59 | 1.59 | 1.59 | 1.59 | 1.59 | 1.59 | 1.59 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.64 | 1.64 | 1.64 | 1.64 | 1.64 |
| | 14°F 10°C | TC | 31548 | 31532 | 32176 | 32327 | 33329 | 33114 | 33085 | 33063 | 33059 | 33368 | 34249 | 34206 | 34171 | 34166 | 34131 | 36417 | 36406 | 36336 | 36324 | 36246 |
| | | S/T | 0.81 | 0.93 | 1.00 | 1.00 | 1.00 | 0.65 | 0.76 | 0.86 | 0.87 | 1.00 | 0.55 | 0.66 | 0.75 | 0.76 | 0.87 | 0.39 | 0.48 | 0.56 | 0.57 | 0.67 |
| | | PI | 1.57 | 1.57 | 1.57 | 1.57 | 1.56 | 1.56 | 1.56 | 1.56 | 1.56 | 1.56 | 1.56 | 1.56 | 1.56 | 1.56 | 1.56 | 1.57 | 1.57 | 1.57 | 1.57 | 1.57 |
| | 17°F 10°C | TC | 31424 | 31527 | 32255 | 32412 | 33465 | 32988 | 33002 | 33008 | 33036 | 33501 | 34114 | 34127 | 34140 | 34142 | 34184 | 36281 | 36271 | 36266 | 36272 | 36303 |
| | | S/T | 0.82 | 0.93 | 1.00 | 1.00 | 1.00 | 0.66 | 0.77 | 0.87 | 0.88 | 1.00 | 0.55 | 0.66 | 0.76 | 0.77 | 0.87 | 0.39 | 0.48 | 0.57 | 0.58 | 0.68 |
| | | PI | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 | 1.56 | 1.56 | 1.56 | 1.56 | 1.56 |
| | 23°F 5°C | TC | 31071 | 31204 | 32011 | 32169 | 33230 | 32644 | 32654 | 32657 | 32700 | 33265 | 33770 | 33781 | 33790 | 33791 | 33846 | 35908 | 35896 | 35922 | 35927 | 35948 |
| | | S/T | 0.83 | 0.95 | 1.00 | 1.00 | 1.00 | 0.66 | 0.78 | 0.88 | 0.89 | 1.00 | 0.56 | 0.67 | 0.76 | 0.78 | 0.89 | 0.39 | 0.48 | 0.57 | 0.59 | 0.69 |
| | | PI | 1.58 | 1.58 | 1.58 | 1.59 | 1.59 | 1.59 | 1.59 | 1.59 | 1.59 | 1.59 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.63 | 1.63 | 1.63 | 1.63 | 1.63 |
| | 35°F 1.7°C | TC | 30653 | 30654 | 30834 | 30920 | 31917 | 32086 | 32084 | 32087 | 32087 | 32173 | 33090 | 33088 | 33090 | 33090 | 33094 | 34953 | 34945 | 34943 | 34942 | 34945 |
| | | S/T | 0.78 | 0.88 | 0.97 | 0.99 | 1.00 | 0.63 | 0.73 | 0.82 | 0.83 | 0.93 | 0.54 | 0.63 | 0.72 | 0.73 | 0.83 | 0.39 | 0.46 | 0.54 | 0.56 | 0.65 |
| | | PI | 1.53 | 1.53 | 1.55 | 1.55 | 1.62 | 1.63 | 1.63 | 1.63 | 1.63 | 1.63 | 1.70 | 1.70 | 1.70 | 1.70 | 1.70 | 1.85 | 1.85 | 1.85 | 1.85 | 1.85 |
| | 41°F 5°C | TC | 30418 | 30418 | 30660 | 30873 | 31786 | 31832 | 31832 | 31833 | 31833 | 31945 | 32826 | 32823 | 32825 | 32826 | 32828 | 34667 | 34659 | 34657 | 34655 | 34659 |
| | | S/T | 0.78 | 0.89 | 0.98 | 1.00 | 1.00 | 0.64 | 0.74 | 0.83 | 0.84 | 0.94 | 0.54 | 0.64 | 0.72 | 0.74 | 0.84 | 0.39 | 0.47 | 0.55 | 0.56 | 0.66 |
| | | PI | 1.57 | 1.57 | 1.59 | 1.61 | 1.67 | 1.67 | 1.67 | 1.67 | 1.67 | 1.68 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.91 | 1.91 | 1.91 | 1.91 | 1.91 |
| | 47°F 8.3°C | TC | 30181 | 30201 | 30606 | 30743 | 31653 | 31581 | 31580 | 31580 | 31580 | 31726 | 32561 | 32558 | 32561 | 32560 | 32560 | 34384 | 34376 | 34373 | 34371 | 34375 |
| | | S/T | 0.79 | 0.90 | 1.00 | 1.00 | 1.00 | 0.64 | 0.75 | 0.84 | 0.85 | 0.96 | 0.54 | 0.65 | 0.73 | 0.75 | 0.85 | 0.39 | 0.47 | 0.55 | 0.57 | 0.67 |
| | | PI | 1.62 | 1.62 | 1.65 | 1.66 | 1.73 | 1.72 | 1.72 | 1.72 | 1.72 | 1.73 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.97 | 1.97 | 1.96 | 1.96 | 1.97 |
| | 50°F 10°C | TC | 29620 | 30436 | 31463 | 31645 | 32872 | 31292 | 31310 | 31526 | 31625 | 32903 | 32513 | 32556 | 32573 | 32575 | 32888 | 34754 | 34846 | 34936 | 34946 | 34990 |
| | | S/T | 0.90 | 1.00 | 1.00 | 1.00 | 1.00 | 0.71 | 0.85 | 0.96 | 0.99 | 1.00 | 0.59 | 0.72 | 0.83 | 0.85 | 0.99 | 0.40 | 0.50 | 0.60 | 0.62 | 0.74 |
| | | PI | 1.83 | 1.83 | 1.83 | 1.83 | 1.83 | 1.83 | 1.83 | 1.83 | 1.83 | 1.83 | 1.83 | 1.83 | 1.83 | 1.83 | 1.83 | 1.82 | 1.82 | 1.82 | 1.82 | 1.82 |
| | 59°F 15°C | TC | 29558 | 30595 | 31681 | 31874 | 33171 | 31274 | 31317 | 31672 | 31908 | 33204 | 32564 | 32597 | 32608 | 32656 | 33231 | 34967 | 35037 | 35107 | 35115 | 35144 |
| | | S/T | 0.92 | 1.00 | 1.00 | 1.00 | 1.00 | 0.73 | 0.86 | 1.00 | 1.00 | 1.00 | 0.60 | 0.73 | 0.85 | 0.86 | 1.00 | 0.40 | 0.51 | 0.61 | 0.63 | 0.76 |
| | | PI | 1.88 | 1.88 | 1.89 | 1.89 | 1.90 | 1.89 | 1.89 | 1.89 | 1.89 | 1.90 | 1.89 | 1.89 | 1.89 | 1.89 | 1.90 | 1.91 | 1.91 | 1.90 | 1.90 | 1.90 |
| | 68°F 20°C | TC | 29482 | 30741 | 31881 | 32083 | 33445 | 31212 | 31282 | 31915 | 32118 | 33478 | 32561 | 32585 | 32644 | 32673 | 33505 | 35085 | 35150 | 35205 | 35210 | 35229 |
| | | S/T | 0.95 | 1.00 | 1.00 | 1.00 | 1.00 | 0.74 | 0.89 | 1.00 | 1.00 | 1.00 | 0.61 | 0.75 | 0.87 | 0.89 | 1.00 | 0.40 | 0.51 | 0.63 | 0.65 | 0.78 |
| | | PI | 1.93 | 1.94 | 1.95 | 1.96 | 1.97 | 1.95 | 1.95 | 1.95 | 1.96 | 1.97 | 1.96 | 1.96 | 1.96 | 1.96 | 1.97 | 1.99 | 1.99 | 1.99 | 1.99 | 1.98 |
| | 77°F 25°C | TC | 29382 | 30797 | 32003 | 32216 | 33655 | 31149 | 31248 | 32037 | 32251 | 33689 | 32560 | 32596 | 32680 | 32716 | 33717 | 35166 | 35273 | 35354 | 35363 | 35396 |
| | | S/T | 0.97 | 1.00 | 1.00 | 1.00 | 1.00 | 0.75 | 0.90 | 1.00 | 1.00 | 1.00 | 0.61 | 0.76 | 0.88 | 0.90 | 1.00 | 0.40 | 0.52 | 0.63 | 0.65 | 0.79 |
| | | PI | 2.00 | 2.01 | 2.02 | 2.03 | 2.04 | 2.02 | 2.02 | 2.02 | 2.03 | 2.04 | 2.03 | 2.03 | 2.03 | 2.03 | 2.04 | 2.05 | 2.05 | 2.05 | 2.05 | 2.05 |
| | 82°F 27.8°C | TC | 29500 | 31006 | 32257 | 32476 | 33963 | 31261 | 31382 | 32285 | 32512 | 33998 | 32715 | 32757 | 32859 | 32899 | 34028 | 35372 | 35505 | 35598 | 35607 | 35646 |
| | | S/T | 0.99 | 1.00 | 1.00 | 1.00 | 1.00 | 0.76 | 0.91 | 1.00 | 1.00 | 1.00 | 0.62 | 0.77 | 0.89 | 0.92 | 1.00 | 0.40 | 0.52 | 0.64 | 0.66 | 0.80 |
| | | PI | 2.18 | 2.19 | 2.20 | 2.20 | 2.21 | 2.19 | 2.19 | 2.20 | 2.20 | 2.21 | 2.21 | 2.20 | 2.20 | 2.20 | 2.21 | 2.23 | 2.23 | 2.23 | 2.23 | 2.22 |
| | 86°F 30°C | TC | 29915 | 31409 | 32694 | 32921 | 34455 | 31548 | 31693 | 32730 | 32959 | 34490 | 33043 | 33081 | 33203 | 33251 | 34520 | 35773 | 35911 | 35997 | 36005 | 36039 |
| | | S/T | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.77 | 0.93 | 1.00 | 1.00 | 1.00 | 0.62 | 0.78 | 0.91 | 0.93 | 1.00 | 0.40 | 0.52 | 0.64 | 0.66 | 0.81 |
| | | PI | 2.49 | 2.50 | 2.51 | 2.52 | 2.53 | 2.50 | 2.50 | 2.51 | 2.52 | 2.53 | 2.52 | 2.52 | 2.52 | 2.52 | 2.53 | 2.55 | 2.55 | 2.55 | 2.55 | 2.54 |
| | 95°F 35°C | TC | 30629 | 30794 | 31789 | 31978 | 33241 | 32552 | 32571 | 32581 | 32620 | 33283 | 33949 | 33956 | 33977 | 33980 | 34036 | 36581 | 36567 | 36575 | 36585 | 36634 |
| | | S/T | 0.83 | 0.95 | 1.00 | 1.00 | 1.00 | 0.66 | 0.78 | 0.88 | 0.89 | 1.00 | 0.56 | 0.67 | 0.76 | 0.78 | 0.88 | 0.39 | 0.48 | 0.57 | 0.58 | 0.68 |
| | | PI | 3.06 | 3.07 | 3.12 | 3.13 | 3.19 | 3.16 | 3.16 | 3.16 | 3.16 | 3.19 | 3.23 | 3.23 | 3.23 | 3.23 | 3.23 | 3.36 | 3.36 | 3.36 | 3.36 | 3.36 |
| | 104°F 40°C | TC | 28162 | 28420 | 29490 | 29667 | 30851 | 29937 | 29953 | 30006 | 30039 | 30889 | 31214 | 31227 | 31243 | 31244 | 31333 | 33644 | 33631 | 33647 | 33658 | 33694 |
| | | S/T | 0.85 | 0.98 | 1.00 | 1.00 | 1.00 | 0.68 | 0.80 | 0.90 | 0.92 | 1.00 | 0.56 | 0.68 | 0.78 | 0.80 | 0.91 | 0.39 | 0.48 | 0.58 | 0.59 | 0.70 |
| | | PI | 3.21 | 3.22 | 3.28 | 3.29 | 3.35 | 3.30 | 3.30 | 3.31 | 3.31 | 3.35 | 3.38 | 3.38 | 3.38 | 3.38 | 3.38 | 3.51 | 3.51 | 3.51 | 3.51 | 3.51 |
| | 110°F 43°C | TC | 26580 | 27601 | 28654 | 28840 | 30089 | 28298 | 28307 | 28623 | 28873 | 30121 | 29572 | 29595 | 29603 | 29625 | 30147 | 32008 | 32010 | 32060 | 32065 | 32083 |
| | | S/T | 0.92 | 1.00 | 1.00 | 1.00 | 1.00 | 0.72 | 0.87 | 0.99 | 1.00 | 1.00 | 0.60 | 0.73 | 0.85 | 0.86 | 1.00 | 0.40 | 0.51 | 0.61 | 0.63 | 0.76 |
| | | PI | 3.33 | 3.38 | 3.42 | 3.43 | 3.49 | 3.41 | 3.41 | 3.42 | 3.43 | 3.49 | 3.47 | 3.46 | 3.46 | 3.46 | 3.49 | 3.58 | 3.58 | 3.58 | 3.58 | 3.57 |
| | 115°F 46°C | TC | 20739 | 21738 | 22598 | 22766 | 23768 | 22055 | 22099 | 22623 | 22795 | 23793 | 23083 | 23097 | 23129 | 23152 | 23813 | 25029 | 25048 | 25083 | 25086 | 25094 |
| | | S/T | 0.96 | 1.00 | 1.00 | 1.00 | 1.00 | 0.75 | 0.89 | 1.00 | 1.00 | 1.00 | 0.61 | 0.75 | 0.87 | 0.90 | 1.00 | 0.40 | 0.52 | 0.63 | 0.65 | 0.78 |
| | | PI | 2.60 | 2.64 | 2.67 | 2.68 | 2.71 | 2.65 | 2.65 | 2.67 | 2.69 | 2.72 | 2.69 | 2.69 | 2.69 | 2.69 | 2.72 | 2.77 | 2.77 | 2.77 | 2.77 | 2.76 |
| | 122°F 50°C | TC | 13127 | 13851 | 14471 | 14579 | 15315 | 13545 | 13865 | 14487 | 14595 | 15330 | 14265 | 14261 | 14498 | 14607 | 15339 | 15576 | 15636 | 15640 | 15639 | 15659 |
| | | S/T | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.84 | 1.00 | 1.00 | 1.00 | 1.00 | 0.67 | 0.85 | 1.00 | 1.00 | 1.00 | 0.41 | 0.55 | 0.69 | 0.72 | 0.88 |
| | | PI | 1.63 | 1.65 | 1.66 | 1.66 | 1.68 | 1.64 | 1.65 | 1.66 | 1.66 | 1.68 | 1.66 | 1.66 | 1.66 | 1.66 | 1.67 | 1.69 | 1.69 | 1.68 | 1.68 | 1.68 |

## Table 8 – 36K Cooling — 37MURA + 45MUAA

| Airflow CFM | Out-door DB °F | ID WB °F | 60.8°F (16.0°C) | | | | | 64.4°F (16.0°C) | | | | | 67.0°F (19.4°C) | | | | | 71.6°F (22.0°C) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ID DB °F | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C |
| 865 | -13°F 25°C | TC | 27520 | 27516 | 27512 | 27512 | 27507 | 28801 | 28793 | 28788 | 28788 | 28782 | 29709 | 29701 | 29694 | 29693 | 29686 | 31412 | 31404 | 31397 | 31395 | 31385 |
| | | S/T | 0.72 | 0.80 | 0.87 | 0.88 | 0.97 | 0.59 | 0.67 | 0.74 | 0.76 | 0.83 | 0.51 | 0.59 | 0.66 | 0.67 | 0.75 | 0.38 | 0.46 | 0.51 | 0.52 | 0.60 |
| | | PI | 2.29 | 2.29 | 2.29 | 2.29 | 2.29 | 2.26 | 2.26 | 2.26 | 2.26 | 2.27 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.24 | 2.24 | 2.24 | 2.24 | 2.24 |
| | -4°F 20°C | TC | 29637 | 29632 | 29628 | 29628 | 29622 | 31016 | 31008 | 31003 | 31002 | 30996 | 31994 | 31986 | 31978 | 31977 | 31970 | 33829 | 33820 | 33812 | 33810 | 33800 |
| | | S/T | 0.72 | 0.80 | 0.88 | 0.89 | 0.97 | 0.60 | 0.68 | 0.75 | 0.76 | 0.84 | 0.52 | 0.59 | 0.66 | 0.67 | 0.75 | 0.39 | 0.47 | 0.51 | 0.52 | 0.60 |
| | | PI | 2.37 | 2.37 | 2.37 | 2.37 | 2.37 | 2.34 | 2.34 | 2.35 | 2.35 | 2.35 | 2.33 | 2.33 | 2.33 | 2.33 | 2.33 | 2.32 | 2.32 | 2.32 | 2.32 | 2.32 |
| | 0°F 17.8°C | TC | 30601 | 30595 | 30590 | 30589 | 30580 | 32011 | 32005 | 31998 | 31997 | 31988 | 33010 | 33001 | 32994 | 32992 | 32982 | 34872 | 34863 | 34857 | 34855 | 34842 |
| | | S/T | 0.72 | 0.81 | 0.88 | 0.90 | 0.98 | 0.60 | 0.68 | 0.75 | 0.76 | 0.85 | 0.52 | 0.60 | 0.67 | 0.68 | 0.76 | 0.39 | 0.47 | 0.52 | 0.53 | 0.60 |
| | | PI | 2.39 | 2.39 | 2.39 | 2.39 | 2.39 | 2.37 | 2.37 | 2.37 | 2.37 | 2.37 | 2.37 | 2.37 | 2.37 | 2.37 | 2.37 | 2.37 | 2.37 | 2.37 | 2.37 | 2.37 |
| | 5°F 15°C | TC | 31560 | 31560 | 31561 | 31561 | 32032 | 33137 | 33131 | 33130 | 33130 | 33133 | 34270 | 34268 | 34263 | 34262 | 34265 | 36442 | 36432 | 36424 | 36423 | 36422 |
| | | S/T | 0.73 | 0.82 | 0.90 | 0.91 | 1.00 | 0.60 | 0.69 | 0.76 | 0.77 | 0.86 | 0.52 | 0.60 | 0.67 | 0.68 | 0.77 | 0.39 | 0.47 | 0.52 | 0.53 | 0.61 |
| | | PI | 2.42 | 2.42 | 2.42 | 2.42 | 2.41 | 2.41 | 2.41 | 2.41 | 2.41 | 2.41 | 2.41 | 2.41 | 2.41 | 2.41 | 2.41 | 2.44 | 2.44 | 2.44 | 2.44 | 2.44 |
| | 14°F 10°C | TC | 32607 | 32603 | 32599 | 32598 | 32757 | 34319 | 34310 | 34304 | 34304 | 34298 | 35542 | 35533 | 35524 | 35523 | 35516 | 37864 | 37853 | 37844 | 37843 | 37831 |
| | | S/T | 0.73 | 0.81 | 0.89 | 0.90 | 0.99 | 0.60 | 0.68 | 0.75 | 0.76 | 0.85 | 0.52 | 0.60 | 0.66 | 0.68 | 0.76 | 0.39 | 0.47 | 0.51 | 0.53 | 0.60 |
| | | PI | 2.35 | 2.35 | 2.35 | 2.35 | 2.35 | 2.34 | 2.34 | 2.34 | 2.34 | 2.34 | 2.33 | 2.33 | 2.33 | 2.33 | 2.33 | 2.32 | 2.32 | 2.32 | 2.32 | 2.32 |
| | 17°F 10°C | TC | 32980 | 32973 | 32968 | 32967 | 33442 | 34709 | 34701 | 34694 | 34693 | 34693 | 35951 | 35950 | 35945 | 35944 | 35949 | 38379 | 38368 | 38359 | 38357 | 38359 |
| | | S/T | 0.73 | 0.82 | 0.89 | 0.91 | 1.00 | 0.60 | 0.69 | 0.76 | 0.77 | 0.85 | 0.52 | 0.60 | 0.67 | 0.68 | 0.76 | 0.39 | 0.47 | 0.52 | 0.53 | 0.61 |
| | | PI | 2.31 | 2.31 | 2.32 | 2.32 | 2.31 | 2.30 | 2.30 | 2.30 | 2.30 | 2.30 | 2.30 | 2.30 | 2.30 | 2.30 | 2.30 | 2.31 | 2.31 | 2.31 | 2.31 | 2.31 |
| | 23°F 5°C | TC | 32851 | 32852 | 32852 | 32873 | 33473 | 34618 | 34612 | 34611 | 34612 | 34616 | 35891 | 35888 | 35883 | 35882 | 35886 | 38337 | 38326 | 38317 | 38315 | 38315 |
| | | S/T | 0.74 | 0.83 | 0.90 | 0.91 | 1.00 | 0.61 | 0.69 | 0.77 | 0.78 | 0.86 | 0.52 | 0.60 | 0.67 | 0.69 | 0.77 | 0.39 | 0.47 | 0.52 | 0.53 | 0.61 |
| | | PI | 2.26 | 2.26 | 2.26 | 2.26 | 2.26 | 2.26 | 2.26 | 2.26 | 2.26 | 2.26 | 2.27 | 2.27 | 2.27 | 2.27 | 2.27 | 2.30 | 2.30 | 2.30 | 2.30 | 2.30 |
| | 35°F 1.7°C | TC | 32862 | 32859 | 32857 | 32857 | 32902 | 34564 | 34561 | 34557 | 34556 | 34553 | 35767 | 35760 | 35758 | 35758 | 35752 | 38020 | 38011 | 38004 | 38003 | 38001 |
| | | S/T | 0.70 | 0.78 | 0.85 | 0.86 | 0.93 | 0.59 | 0.66 | 0.72 | 0.74 | 0.81 | 0.51 | 0.58 | 0.64 | 0.65 | 0.73 | 0.39 | 0.46 | 0.50 | 0.51 | 0.58 |
| | | PI | 2.01 | 2.01 | 2.01 | 2.01 | 2.02 | 2.12 | 2.12 | 2.12 | 2.12 | 2.12 | 2.21 | 2.21 | 2.21 | 2.21 | 2.21 | 2.40 | 2.40 | 2.40 | 2.40 | 2.40 |
| | 41°F 5°C | TC | 28517 | 28514 | 28512 | 28512 | 28578 | 29982 | 29979 | 29975 | 29975 | 29973 | 31018 | 31012 | 31010 | 31009 | 31004 | 32958 | 32952 | 32945 | 32944 | 32942 |
| | | S/T | 0.71 | 0.79 | 0.86 | 0.87 | 0.95 | 0.59 | 0.67 | 0.73 | 0.74 | 0.82 | 0.51 | 0.59 | 0.65 | 0.66 | 0.73 | 0.39 | 0.46 | 0.51 | 0.52 | 0.59 |
| | | PI | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.63 | 1.63 | 1.63 | 1.63 | 1.63 | 1.71 | 1.71 | 1.71 | 1.71 | 1.71 | 1.86 | 1.86 | 1.86 | 1.86 | 1.86 |
| | 47°F 8.3°C | TC | 24162 | 24159 | 24158 | 24157 | 24241 | 25395 | 25392 | 25389 | 25389 | 25387 | 26268 | 26262 | 26261 | 26260 | 26256 | 27900 | 27893 | 27888 | 27887 | 27884 |
| | | S/T | 0.71 | 0.80 | 0.87 | 0.88 | 0.96 | 0.59 | 0.67 | 0.74 | 0.75 | 0.83 | 0.51 | 0.59 | 0.65 | 0.66 | 0.74 | 0.39 | 0.46 | 0.51 | 0.52 | 0.59 |
| | | PI | 1.08 | 1.08 | 1.08 | 1.08 | 1.08 | 1.15 | 1.15 | 1.15 | 1.15 | 1.15 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.31 | 1.31 | 1.31 | 1.31 | 1.31 |
| | 50°F 10°C | TC | 23792 | 23795 | 24015 | 24210 | 25108 | 25231 | 25237 | 25244 | 25245 | 25338 | 26275 | 26278 | 26289 | 26291 | 26302 | 28299 | 28288 | 28292 | 28290 | 28315 |
| | | S/T | 0.79 | 0.89 | 0.99 | 1.00 | 1.00 | 0.64 | 0.74 | 0.82 | 0.84 | 0.94 | 0.54 | 0.64 | 0.72 | 0.73 | 0.83 | 0.39 | 0.46 | 0.54 | 0.56 | 0.65 |
| | | PI | 1.26 | 1.26 | 1.26 | 1.26 | 1.26 | 1.26 | 1.26 | 1.26 | 1.26 | 1.26 | 1.26 | 1.26 | 1.26 | 1.26 | 1.26 | 1.26 | 1.26 | 1.26 | 1.26 | 1.26 |
| | 59°F 15°C | TC | 23754 | 23790 | 24259 | 24401 | 25354 | 25265 | 25270 | 25275 | 25275 | 25430 | 26370 | 26364 | 26374 | 26376 | 26383 | 28490 | 28478 | 28481 | 28479 | 28501 |
| | | S/T | 0.80 | 0.91 | 1.00 | 1.00 | 1.00 | 0.65 | 0.75 | 0.84 | 0.86 | 0.96 | 0.54 | 0.65 | 0.73 | 0.75 | 0.85 | 0.39 | 0.47 | 0.55 | 0.56 | 0.66 |
| | | PI | 1.42 | 1.42 | 1.42 | 1.43 | 1.43 | 1.43 | 1.43 | 1.43 | 1.43 | 1.43 | 1.43 | 1.43 | 1.43 | 1.43 | 1.43 | 1.44 | 1.44 | 1.44 | 1.44 | 1.44 |
| | 68°F 20°C | TC | 23730 | 23807 | 24479 | 24630 | 25637 | 25306 | 25310 | 25313 | 25314 | 25618 | 26455 | 26450 | 26460 | 26461 | 26466 | 28667 | 28655 | 28656 | 28655 | 28677 |
| | | S/T | 0.82 | 0.94 | 1.00 | 1.00 | 1.00 | 0.66 | 0.77 | 0.86 | 0.88 | 1.00 | 0.55 | 0.66 | 0.75 | 0.77 | 0.87 | 0.39 | 0.47 | 0.56 | 0.57 | 0.67 |
| | | PI | 1.58 | 1.58 | 1.59 | 1.59 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.61 | 1.61 | 1.61 | 1.61 | 1.61 | 1.63 | 1.63 | 1.63 | 1.63 | 1.63 |
| | 77°F 25°C | TC | 23666 | 23783 | 24599 | 24760 | 25825 | 25322 | 25331 | 25336 | 25360 | 25863 | 26532 | 26531 | 26545 | 26547 | 26578 | 28862 | 28849 | 28853 | 28853 | 28887 |
| | | S/T | 0.83 | 0.96 | 1.00 | 1.00 | 1.00 | 0.66 | 0.78 | 0.88 | 0.89 | 1.00 | 0.55 | 0.67 | 0.76 | 0.78 | 0.88 | 0.39 | 0.48 | 0.56 | 0.58 | 0.68 |
| | | PI | 1.76 | 1.76 | 1.77 | 1.77 | 1.78 | 1.78 | 1.78 | 1.78 | 1.78 | 1.78 | 1.79 | 1.79 | 1.79 | 1.79 | 1.79 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 |
| | 82°F 27.8°C | TC | 24268 | 24424 | 25361 | 25529 | 26657 | 26009 | 26022 | 26044 | 26067 | 26695 | 27284 | 27286 | 27302 | 27304 | 27350 | 29740 | 29725 | 29731 | 29733 | 29773 |
| | | S/T | 0.84 | 0.97 | 1.00 | 1.00 | 1.00 | 0.67 | 0.79 | 0.88 | 0.90 | 1.00 | 0.56 | 0.67 | 0.77 | 0.78 | 0.89 | 0.39 | 0.48 | 0.57 | 0.58 | 0.68 |
| | | PI | 2.05 | 2.06 | 2.07 | 2.07 | 2.08 | 2.07 | 2.07 | 2.07 | 2.07 | 2.08 | 2.08 | 2.08 | 2.08 | 2.08 | 2.08 | 2.10 | 2.10 | 2.10 | 2.10 | 2.10 |
| | 86°F 30°C | TC | 25552 | 25775 | 26850 | 27031 | 28246 | 27420 | 27432 | 27470 | 27497 | 28287 | 28783 | 28788 | 28803 | 28804 | 28870 | 31412 | 31396 | 31402 | 31409 | 31448 |
| | | S/T | 0.85 | 0.98 | 1.00 | 1.00 | 1.00 | 0.67 | 0.80 | 0.89 | 0.91 | 1.00 | 0.56 | 0.68 | 0.77 | 0.79 | 0.90 | 0.39 | 0.48 | 0.57 | 0.59 | 0.69 |
| | | PI | 2.53 | 2.54 | 2.55 | 2.55 | 2.56 | 2.56 | 2.56 | 2.56 | 2.56 | 2.56 | 2.57 | 2.57 | 2.57 | 2.57 | 2.57 | 2.60 | 2.60 | 2.60 | 2.60 | 2.60 |
| | 95°F 35°C | TC | 28863 | 28862 | 28865 | 28897 | 29637 | 30796 | 30788 | 30786 | 30786 | 30793 | 32189 | 32186 | 32180 | 32179 | 32180 | 34883 | 34871 | 34861 | 34860 | 34859 |
| | | S/T | 0.74 | 0.83 | 0.91 | 0.92 | 1.00 | 0.61 | 0.69 | 0.77 | 0.78 | 0.87 | 0.52 | 0.60 | 0.67 | 0.69 | 0.77 | 0.39 | 0.47 | 0.52 | 0.53 | 0.61 |
| | | PI | 3.48 | 3.48 | 3.48 | 3.49 | 3.53 | 3.59 | 3.59 | 3.59 | 3.59 | 3.59 | 3.67 | 3.67 | 3.67 | 3.67 | 3.67 | 3.83 | 3.82 | 3.82 | 3.83 | 3.82 |
| | 104°F 40°C | TC | 25683 | 25684 | 25730 | 25765 | 26625 | 27399 | 27392 | 27392 | 27392 | 27397 | 28637 | 28634 | 28628 | 28629 | 28632 | 31027 | 31017 | 31009 | 31007 | 31007 |
| | | S/T | 0.75 | 0.85 | 0.93 | 0.95 | 1.00 | 0.61 | 0.71 | 0.78 | 0.80 | 0.89 | 0.52 | 0.61 | 0.69 | 0.70 | 0.79 | 0.39 | 0.45 | 0.52 | 0.54 | 0.62 |
| | | PI | 3.39 | 3.39 | 3.39 | 3.39 | 3.44 | 3.49 | 3.49 | 3.49 | 3.49 | 3.49 | 3.57 | 3.57 | 3.57 | 3.57 | 3.57 | 3.71 | 3.71 | 3.71 | 3.71 | 3.71 |
| | 110°F 43°C | TC | 23622 | 23656 | 24188 | 24344 | 25369 | 25294 | 25291 | 25296 | 25296 | 25441 | 26498 | 26495 | 26498 | 26499 | 26506 | 28822 | 28810 | 28809 | 28810 | 28808 |
| | | S/T | 0.80 | 0.91 | 1.00 | 1.00 | 1.00 | 0.64 | 0.75 | 0.84 | 0.86 | 0.96 | 0.54 | 0.65 | 0.73 | 0.75 | 0.85 | 0.39 | 0.47 | 0.55 | 0.56 | 0.66 |
| | | PI | 3.37 | 3.38 | 3.39 | 3.40 | 3.45 | 3.45 | 3.45 | 3.45 | 3.45 | 3.45 | 3.51 | 3.51 | 3.51 | 3.51 | 3.50 | 3.62 | 3.62 | 3.62 | 3.62 | 3.62 |
| | 115°F 46°C | TC | 19418 | 19492 | 20158 | 20290 | 21179 | 20828 | 20831 | 20834 | 20834 | 21210 | 21847 | 21846 | 21852 | 21853 | 21854 | 23810 | 23800 | 23798 | 23796 | 23807 |
| | | S/T | 0.83 | 0.95 | 1.00 | 1.00 | 1.00 | 0.66 | 0.77 | 0.87 | 0.89 | 1.00 | 0.55 | 0.66 | 0.75 | 0.77 | 0.88 | 0.39 | 0.47 | 0.56 | 0.57 | 0.67 |
| | | PI | 2.89 | 2.89 | 2.92 | 2.92 | 2.96 | 2.95 | 2.95 | 2.95 | 2.95 | 2.96 | 2.99 | 2.99 | 2.99 | 2.99 | 2.99 | 3.07 | 3.07 | 3.07 | 3.07 | 3.07 |
| | 122°F 50°C | TC | 13770 | 14365 | 14997 | 15106 | 15854 | 14851 | 14852 | 14982 | 15126 | 15875 | 15651 | 15656 | 15657 | 15656 | 15891 | 17201 | 17191 | 17203 | 17204 | 17208 |
| | | S/T | 0.93 | 1.00 | 1.00 | 1.00 | 1.00 | 0.72 | 0.86 | 0.99 | 1.00 | 1.00 | 0.59 | 0.73 | 0.84 | 0.86 | 1.00 | 0.39 | 0.50 | 0.61 | 0.62 | 0.75 |
| | | PI | 2.25 | 2.27 | 2.28 | 2.29 | 2.31 | 2.28 | 2.28 | 2.28 | 2.29 | 2.31 | 2.30 | 2.30 | 2.30 | 2.30 | 2.31 | 2.34 | 2.34 | 2.34 | 2.34 | 2.34 |

Table 8 – 36K Cooling — **37MURA + 45MUAA (Continued)**

| Airflow CFM | Out-door DB °F | ID WB °F | 60.8°F (16.0°C) | | | | | 64.4°F (16.0°C) | | | | | 67.0°F (19.4°C) | | | | | 71.6°F (22.0°C) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ID DB °F | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C |
| 970 | -13°F 25°C | TC | 29392 | 29386 | 29380 | 29379 | 29982 | 30715 | 30707 | 30698 | 30697 | 30687 | 31653 | 31643 | 31632 | 31630 | 31616 | 33413 | 33404 | 33391 | 33390 | 33368 |
| | | S/T | 0.75 | 0.84 | 0.92 | 0.93 | 1.00 | 0.61 | 0.70 | 0.78 | 0.79 | 0.88 | 0.52 | 0.61 | 0.69 | 0.70 | 0.79 | 0.38 | 0.46 | 0.53 | 0.54 | 0.62 |
| | | PI | 2.36 | 2.36 | 2.36 | 2.36 | 2.35 | 2.34 | 2.34 | 2.34 | 2.34 | 2.34 | 2.33 | 2.33 | 2.33 | 2.33 | 2.33 | 2.33 | 2.33 | 2.33 | 2.33 | 2.33 |
| | -4°F 20°C | TC | 31653 | 31646 | 31640 | 31639 | 32289 | 33078 | 33069 | 33060 | 33058 | 33047 | 34088 | 34077 | 34065 | 34063 | 34048 | 35983 | 35974 | 35959 | 35958 | 35935 |
| | | S/T | 0.75 | 0.84 | 0.92 | 0.94 | 1.00 | 0.61 | 0.71 | 0.78 | 0.79 | 0.88 | 0.53 | 0.61 | 0.69 | 0.70 | 0.79 | 0.39 | 0.46 | 0.53 | 0.54 | 0.63 |
| | | PI | 2.44 | 2.44 | 2.45 | 2.45 | 2.43 | 2.42 | 2.42 | 2.42 | 2.42 | 2.42 | 2.41 | 2.41 | 2.41 | 2.41 | 2.42 | 2.42 | 2.42 | 2.42 | 2.42 | 2.42 |
| | 0°F 17.8°C | TC | 32688 | 32679 | 32672 | 32670 | 33485 | 34146 | 34134 | 34121 | 34118 | 34104 | 35176 | 35162 | 35147 | 35144 | 35122 | 37091 | 37083 | 37079 | 37077 | 37082 |
| | | S/T | 0.75 | 0.85 | 0.93 | 0.95 | 1.00 | 0.62 | 0.71 | 0.79 | 0.80 | 0.90 | 0.53 | 0.62 | 0.70 | 0.71 | 0.80 | 0.39 | 0.46 | 0.53 | 0.55 | 0.63 |
| | | PI | 2.46 | 2.46 | 2.47 | 2.47 | 2.46 | 2.45 | 2.45 | 2.45 | 2.45 | 2.45 | 2.45 | 2.45 | 2.45 | 2.45 | 2.45 | 2.47 | 2.47 | 2.47 | 2.47 | 2.47 |
| | 5°F 15°C | TC | 33682 | 33685 | 33790 | 33838 | 34828 | 35322 | 35321 | 35326 | 35326 | 35368 | 36498 | 36496 | 36499 | 36500 | 36507 | 38741 | 38731 | 38731 | 38730 | 38732 |
| | | S/T | 0.76 | 0.86 | 0.94 | 0.96 | 1.00 | 0.62 | 0.72 | 0.80 | 0.81 | 0.90 | 0.53 | 0.62 | 0.70 | 0.72 | 0.81 | 0.39 | 0.46 | 0.54 | 0.55 | 0.64 |
| | | PI | 2.49 | 2.49 | 2.49 | 2.49 | 2.49 | 2.49 | 2.49 | 2.49 | 2.49 | 2.49 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.54 | 2.54 | 2.54 | 2.54 | 2.54 |
| | 14°F 10°C | TC | 34819 | 34811 | 34804 | 34803 | 35791 | 36597 | 36586 | 36576 | 36574 | 36562 | 37869 | 37856 | 37843 | 37840 | 37823 | 40285 | 40274 | 40258 | 40256 | 40230 |
| | | S/T | 0.75 | 0.85 | 0.93 | 0.95 | 1.00 | 0.62 | 0.71 | 0.79 | 0.80 | 0.89 | 0.53 | 0.62 | 0.69 | 0.71 | 0.79 | 0.39 | 0.46 | 0.53 | 0.54 | 0.63 |
| | | PI | 2.43 | 2.43 | 2.43 | 2.43 | 2.42 | 2.42 | 2.42 | 2.42 | 2.42 | 2.42 | 2.41 | 2.41 | 2.41 | 2.41 | 2.41 | 2.41 | 2.41 | 2.41 | 2.41 | 2.41 |
| | 17°F 10°C | TC | 35192 | 35181 | 35273 | 35323 | 36381 | 36990 | 36977 | 36985 | 36987 | 37026 | 38285 | 38285 | 38291 | 38293 | 38305 | 40797 | 40785 | 40789 | 40786 | 40796 |
| | | S/T | 0.76 | 0.86 | 0.94 | 0.96 | 1.00 | 0.62 | 0.72 | 0.80 | 0.81 | 0.90 | 0.53 | 0.62 | 0.70 | 0.71 | 0.80 | 0.39 | 0.46 | 0.53 | 0.55 | 0.63 |
| | | PI | 2.39 | 2.39 | 2.39 | 2.39 | 2.38 | 2.38 | 2.38 | 2.38 | 2.38 | 2.38 | 2.38 | 2.38 | 2.38 | 2.38 | 2.38 | 2.39 | 2.39 | 2.39 | 2.39 | 2.39 |
| | 23°F 5°C | TC | 35060 | 35064 | 35206 | 35269 | 36428 | 36900 | 36899 | 36906 | 36907 | 36966 | 38222 | 38221 | 38225 | 38226 | 38235 | 40754 | 40742 | 40744 | 40742 | 40748 |
| | | S/T | 0.77 | 0.87 | 0.95 | 0.97 | 1.00 | 0.62 | 0.72 | 0.80 | 0.82 | 0.91 | 0.53 | 0.63 | 0.71 | 0.72 | 0.81 | 0.39 | 0.46 | 0.54 | 0.55 | 0.64 |
| | | PI | 2.33 | 2.33 | 2.33 | 2.33 | 2.34 | 2.34 | 2.34 | 2.34 | 2.34 | 2.34 | 2.35 | 2.35 | 2.35 | 2.35 | 2.35 | 2.39 | 2.39 | 2.39 | 2.39 | 2.39 |
| | 35°F 1.7°C | TC | 35129 | 35127 | 35127 | 35127 | 35579 | 36876 | 36869 | 36866 | 36866 | 36868 | 38102 | 38098 | 38092 | 38092 | 38090 | 40392 | 40382 | 40375 | 40373 | 40371 |
| | | S/T | 0.73 | 0.81 | 0.89 | 0.90 | 1.00 | 0.60 | 0.68 | 0.76 | 0.77 | 0.85 | 0.52 | 0.60 | 0.67 | 0.68 | 0.76 | 0.39 | 0.47 | 0.52 | 0.53 | 0.60 |
| | | PI | 2.08 | 2.08 | 2.08 | 2.08 | 2.11 | 2.20 | 2.19 | 2.19 | 2.19 | 2.20 | 2.29 | 2.29 | 2.29 | 2.29 | 2.29 | 2.49 | 2.49 | 2.49 | 2.49 | 2.49 |
| | 41°F 5°C | TC | 30404 | 30477 | 30477 | 30486 | 30988 | 31984 | 31978 | 31975 | 31976 | 31977 | 33042 | 33039 | 33033 | 33033 | 33032 | 35015 | 35007 | 35000 | 34998 | 34996 |
| | | S/T | 0.74 | 0.82 | 0.90 | 0.91 | 1.00 | 0.60 | 0.69 | 0.76 | 0.78 | 0.86 | 0.52 | 0.60 | 0.67 | 0.69 | 0.77 | 0.39 | 0.45 | 0.52 | 0.53 | 0.61 |
| | | PI | 1.59 | 1.59 | 1.59 | 1.59 | 1.62 | 1.69 | 1.69 | 1.69 | 1.69 | 1.69 | 1.77 | 1.77 | 1.77 | 1.77 | 1.77 | 1.93 | 1.92 | 1.92 | 1.92 | 1.92 |
| | 47°F 8.3°C | TC | 25822 | 25821 | 25820 | 25846 | 26355 | 27089 | 27084 | 27082 | 27082 | 27083 | 27982 | 27979 | 27975 | 27974 | 27974 | 29644 | 29637 | 29631 | 29630 | 29628 |
| | | S/T | 0.74 | 0.83 | 0.91 | 0.92 | 1.00 | 0.61 | 0.70 | 0.77 | 0.78 | 0.87 | 0.52 | 0.61 | 0.68 | 0.69 | 0.78 | 0.39 | 0.45 | 0.52 | 0.53 | 0.62 |
| | | PI | 1.11 | 1.11 | 1.11 | 1.12 | 1.14 | 1.19 | 1.19 | 1.19 | 1.19 | 1.19 | 1.24 | 1.24 | 1.24 | 1.24 | 1.24 | 1.36 | 1.36 | 1.36 | 1.36 | 1.36 |
| | 50°F 10°C | TC | 25375 | 25483 | 26202 | 26351 | 27347 | 26881 | 26898 | 26905 | 26933 | 27381 | 27973 | 27988 | 28005 | 28007 | 28048 | 30056 | 30045 | 30080 | 30088 | 30129 |
| | | S/T | 0.83 | 0.95 | 1.00 | 1.00 | 1.00 | 0.66 | 0.78 | 0.87 | 0.88 | 1.00 | 0.55 | 0.66 | 0.76 | 0.77 | 0.88 | 0.39 | 0.48 | 0.56 | 0.58 | 0.68 |
| | | PI | 1.30 | 1.30 | 1.30 | 1.30 | 1.30 | 1.30 | 1.30 | 1.30 | 1.30 | 1.30 | 1.30 | 1.30 | 1.30 | 1.30 | 1.30 | 1.30 | 1.30 | 1.30 | 1.30 | 1.30 |
| | 59°F 15°C | TC | 25336 | 25517 | 26419 | 26577 | 27633 | 26922 | 26935 | 26975 | 27000 | 27669 | 28068 | 28082 | 28096 | 28097 | 28166 | 30271 | 30258 | 30288 | 30295 | 30327 |
| | | S/T | 0.85 | 0.97 | 1.00 | 1.00 | 1.00 | 0.67 | 0.79 | 0.89 | 0.91 | 1.00 | 0.56 | 0.68 | 0.77 | 0.79 | 0.90 | 0.39 | 0.48 | 0.57 | 0.59 | 0.69 |
| | | PI | 1.47 | 1.47 | 1.48 | 1.48 | 1.48 | 1.48 | 1.48 | 1.48 | 1.48 | 1.48 | 1.49 | 1.49 | 1.48 | 1.49 | 1.49 | 1.49 | 1.49 | 1.49 | 1.49 | 1.49 |
| | 68°F 20°C | TC | 25310 | 25735 | 26671 | 26837 | 27951 | 26967 | 26977 | 27052 | 27085 | 27987 | 28162 | 28177 | 28186 | 28188 | 28297 | 30466 | 30453 | 30482 | 30488 | 30513 |
| | | S/T | 0.87 | 1.00 | 1.00 | 1.00 | 1.00 | 0.69 | 0.81 | 0.91 | 0.93 | 1.00 | 0.57 | 0.69 | 0.79 | 0.81 | 0.93 | 0.39 | 0.49 | 0.58 | 0.60 | 0.71 |
| | | PI | 1.64 | 1.64 | 1.65 | 1.65 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.67 | 1.67 | 1.67 | 1.67 | 1.67 | 1.69 | 1.69 | 1.69 | 1.69 | 1.69 |
| | 77°F 25°C | TC | 25241 | 25830 | 26820 | 26996 | 28177 | 26987 | 26999 | 27103 | 27147 | 28212 | 28239 | 28263 | 28277 | 28279 | 28425 | 30661 | 30647 | 30695 | 30703 | 30738 |
| | | S/T | 0.88 | 1.00 | 1.00 | 1.00 | 1.00 | 0.69 | 0.82 | 0.93 | 0.95 | 1.00 | 0.57 | 0.70 | 0.80 | 0.82 | 0.94 | 0.39 | 0.49 | 0.59 | 0.60 | 0.72 |
| | | PI | 1.82 | 1.83 | 1.84 | 1.84 | 1.85 | 1.84 | 1.84 | 1.84 | 1.84 | 1.85 | 1.85 | 1.85 | 1.85 | 1.85 | 1.85 | 1.87 | 1.87 | 1.87 | 1.87 | 1.87 |
| | 82°F 27.8°C | TC | 25903 | 26607 | 27655 | 27841 | 29089 | 27719 | 27735 | 27868 | 27923 | 29128 | 29037 | 29068 | 29083 | 29086 | 29269 | 31587 | 31593 | 31633 | 31642 | 31682 |
| | | S/T | 0.88 | 1.00 | 1.00 | 1.00 | 1.00 | 0.70 | 0.83 | 0.94 | 0.96 | 1.00 | 0.58 | 0.70 | 0.81 | 0.83 | 0.96 | 0.39 | 0.49 | 0.59 | 0.61 | 0.72 |
| | | PI | 2.13 | 2.13 | 2.14 | 2.15 | 2.16 | 2.14 | 2.14 | 2.15 | 2.15 | 2.16 | 2.16 | 2.16 | 2.16 | 2.16 | 2.16 | 2.18 | 2.18 | 2.18 | 2.18 | 2.18 |
| | 86°F 30°C | TC | 27294 | 28155 | 29284 | 29483 | 30828 | 29226 | 29240 | 29415 | 29493 | 30869 | 30635 | 30668 | 30682 | 30684 | 30922 | 33366 | 33368 | 33417 | 33426 | 33465 |
| | | S/T | 0.90 | 1.00 | 1.00 | 1.00 | 1.00 | 0.71 | 0.84 | 0.96 | 0.98 | 1.00 | 0.58 | 0.71 | 0.82 | 0.84 | 0.97 | 0.39 | 0.50 | 0.60 | 0.61 | 0.73 |
| | | PI | 2.62 | 2.63 | 2.65 | 2.65 | 2.66 | 2.65 | 2.65 | 2.65 | 2.65 | 2.66 | 2.66 | 2.66 | 2.66 | 2.66 | 2.66 | 2.69 | 2.69 | 2.69 | 2.69 | 2.69 |
| | 95°F 35°C | TC | 30818 | 30824 | 30994 | 31073 | 32354 | 32833 | 32829 | 32837 | 32839 | 32897 | 34282 | 34281 | 34280 | 34281 | 34297 | 37076 | 37063 | 37052 | 37069 | 37059 |
| | | S/T | 0.77 | 0.87 | 0.96 | 0.98 | 1.00 | 0.63 | 0.72 | 0.80 | 0.82 | 0.91 | 0.53 | 0.62 | 0.70 | 0.72 | 0.81 | 0.39 | 0.46 | 0.53 | 0.55 | 0.63 |
| | | PI | 3.60 | 3.60 | 3.61 | 3.62 | 3.69 | 3.72 | 3.72 | 3.72 | 3.72 | 3.72 | 3.80 | 3.80 | 3.80 | 3.80 | 3.80 | 3.96 | 3.96 | 3.96 | 3.96 | 3.96 |
| | 104°F 40°C | TC | 27417 | 27421 | 27703 | 27958 | 29060 | 29205 | 29204 | 29212 | 29213 | 29318 | 30496 | 30495 | 30497 | 30499 | 30511 | 32974 | 32962 | 32952 | 32962 | 32960 |
| | | S/T | 0.79 | 0.89 | 0.99 | 1.00 | 1.00 | 0.63 | 0.74 | 0.82 | 0.84 | 0.94 | 0.54 | 0.64 | 0.72 | 0.73 | 0.83 | 0.39 | 0.46 | 0.54 | 0.55 | 0.65 |
| | | PI | 3.51 | 3.51 | 3.52 | 3.54 | 3.61 | 3.61 | 3.61 | 3.61 | 3.61 | 3.62 | 3.69 | 3.69 | 3.69 | 3.69 | 3.69 | 3.85 | 3.84 | 3.84 | 3.84 | 3.84 |
| | 110°F 43°C | TC | 25211 | 25403 | 26383 | 26552 | 27685 | 26953 | 26962 | 26986 | 27011 | 27723 | 28217 | 28216 | 28227 | 28229 | 28278 | 30627 | 30618 | 30618 | 30620 | 30644 |
| | | S/T | 0.85 | 0.97 | 1.00 | 1.00 | 1.00 | 0.67 | 0.79 | 0.89 | 0.91 | 1.00 | 0.56 | 0.68 | 0.77 | 0.79 | 0.90 | 0.39 | 0.48 | 0.57 | 0.59 | 0.69 |
| | | PI | 3.49 | 3.50 | 3.54 | 3.55 | 3.60 | 3.57 | 3.57 | 3.57 | 3.57 | 3.60 | 3.63 | 3.63 | 3.63 | 3.63 | 3.63 | 3.75 | 3.75 | 3.75 | 3.75 | 3.75 |
| | 115°F 46°C | TC | 20722 | 21164 | 21991 | 22136 | 23114 | 22199 | 22206 | 22266 | 22297 | 23145 | 23264 | 23270 | 23278 | 23278 | 23366 | 25307 | 25296 | 25304 | 25310 | 25329 |
| | | S/T | 0.88 | 1.00 | 1.00 | 1.00 | 1.00 | 0.69 | 0.82 | 0.92 | 0.94 | 1.00 | 0.57 | 0.69 | 0.80 | 0.82 | 0.94 | 0.39 | 0.49 | 0.58 | 0.60 | 0.71 |
| | | PI | 2.99 | 3.01 | 3.04 | 3.05 | 3.09 | 3.05 | 3.05 | 3.05 | 3.05 | 3.09 | 3.10 | 3.09 | 3.09 | 3.09 | 3.10 | 3.18 | 3.18 | 3.18 | 3.18 | 3.18 |
| | 122°F 50°C | TC | 14802 | 15637 | 16329 | 16451 | 17273 | 15804 | 15844 | 16349 | 16472 | 17293 | 16648 | 16652 | 16678 | 16697 | 17309 | 18258 | 18264 | 18280 | 18280 | 18278 |
| | | S/T | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.76 | 0.92 | 1.00 | 1.00 | 1.00 | 0.62 | 0.77 | 0.89 | 0.92 | 1.00 | 0.40 | 0.52 | 0.64 | 0.66 | 0.79 |
| | | PI | 2.33 | 2.36 | 2.37 | 2.38 | 2.40 | 2.36 | 2.36 | 2.37 | 2.38 | 2.40 | 2.38 | 2.38 | 2.38 | 2.38 | 2.40 | 2.43 | 2.43 | 2.42 | 2.42 | 2.42 |

## Table 8 – 36K Cooling — 37MURA + 45MUAA (Continued)

| Airflow CFM | Out-door DB °F | ID WB °F | 60.8°F (16.0°C) | | | | | 64.4°F (16.0°C) | | | | | 67.0°F (19.4°C) | | | | | 71.6°F (22.0°C) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ID DB °F | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C |
| 1080 | -13°F 25°C | TC | 31377 | 31366 | 31358 | 31540 | 32468 | 32759 | 32741 | 32726 | 32724 | 32701 | 33737 | 33719 | 33697 | 33693 | 33669 | 35588 | 35578 | 35552 | 35543 | 35490 |
| | | S/T | 0.77 | 0.88 | 0.97 | 1.00 | 1.00 | 0.63 | 0.73 | 0.81 | 0.83 | 0.93 | 0.54 | 0.63 | 0.71 | 0.73 | 0.83 | 0.39 | 0.46 | 0.54 | 0.56 | 0.65 |
| | | PI | 2.46 | 2.46 | 2.46 | 2.46 | 2.44 | 2.44 | 2.44 | 2.44 | 2.44 | 2.44 | 2.43 | 2.44 | 2.44 | 2.44 | 2.44 | 2.44 | 2.44 | 2.44 | 2.44 | 2.45 |
| | -4°F 20°C | TC | 33791 | 33779 | 33770 | 33966 | 34966 | 35279 | 35259 | 35243 | 35241 | 35216 | 36332 | 36313 | 36289 | 36285 | 36259 | 38325 | 38315 | 38287 | 38277 | 38220 |
| | | S/T | 0.78 | 0.88 | 0.97 | 1.00 | 1.00 | 0.63 | 0.73 | 0.82 | 0.83 | 0.93 | 0.54 | 0.64 | 0.72 | 0.73 | 0.83 | 0.39 | 0.47 | 0.55 | 0.56 | 0.65 |
| | | PI | 2.55 | 2.55 | 2.55 | 2.54 | 2.53 | 2.53 | 2.53 | 2.53 | 2.53 | 2.53 | 2.52 | 2.52 | 2.52 | 2.52 | 2.52 | 2.53 | 2.53 | 2.53 | 2.53 | 2.53 |
| | 0°F 17.8°C | TC | 34906 | 34891 | 35026 | 35293 | 36270 | 36428 | 36400 | 36380 | 36376 | 36370 | 37496 | 37475 | 37441 | 37436 | 37402 | 39517 | 39506 | 39508 | 39512 | 39541 |
| | | S/T | 0.78 | 0.89 | 0.99 | 1.00 | 1.00 | 0.64 | 0.74 | 0.83 | 0.84 | 0.95 | 0.54 | 0.64 | 0.73 | 0.74 | 0.84 | 0.39 | 0.47 | 0.55 | 0.57 | 0.66 |
| | | PI | 2.57 | 2.57 | 2.57 | 2.56 | 2.56 | 2.56 | 2.56 | 2.56 | 2.56 | 2.56 | 2.56 | 2.56 | 2.56 | 2.56 | 2.56 | 2.58 | 2.58 | 2.58 | 2.58 | 2.58 |
| | 5°F 15°C | TC | 35933 | 35965 | 36450 | 36617 | 37737 | 37642 | 37649 | 37653 | 37654 | 37840 | 38873 | 38870 | 38881 | 38882 | 38886 | 41196 | 41184 | 41184 | 41188 | 41210 |
| | | S/T | 0.79 | 0.90 | 1.00 | 1.00 | 1.00 | 0.64 | 0.75 | 0.84 | 0.85 | 0.96 | 0.54 | 0.65 | 0.73 | 0.75 | 0.85 | 0.39 | 0.47 | 0.55 | 0.57 | 0.66 |
| | | PI | 2.59 | 2.59 | 2.59 | 2.59 | 2.60 | 2.59 | 2.60 | 2.60 | 2.60 | 2.60 | 2.61 | 2.61 | 2.61 | 2.61 | 2.61 | 2.66 | 2.66 | 2.66 | 2.66 | 2.66 |
| | 14°F 10°C | TC | 37150 | 37136 | 37290 | 37616 | 38783 | 39015 | 38992 | 38973 | 38970 | 38950 | 40363 | 40344 | 40312 | 40307 | 40273 | 42901 | 42888 | 42856 | 42847 | 42781 |
| | | S/T | 0.78 | 0.89 | 0.99 | 1.00 | 1.00 | 0.64 | 0.74 | 0.82 | 0.84 | 0.94 | 0.54 | 0.64 | 0.72 | 0.74 | 0.83 | 0.39 | 0.47 | 0.55 | 0.56 | 0.65 |
| | | PI | 2.54 | 2.54 | 2.54 | 2.53 | 2.53 | 2.52 | 2.52 | 2.53 | 2.53 | 2.53 | 2.52 | 2.52 | 2.52 | 2.52 | 2.52 | 2.53 | 2.53 | 2.53 | 2.53 | 2.53 |
| | 17°F 10°C | TC | 37601 | 37610 | 38071 | 38290 | 39523 | 39489 | 39492 | 39500 | 39501 | 39688 | 40748 | 40763 | 40790 | 40792 | 40802 | 43458 | 43444 | 43449 | 43457 | 43497 |
| | | S/T | 0.79 | 0.89 | 1.00 | 1.00 | 1.00 | 0.64 | 0.74 | 0.83 | 0.85 | 0.95 | 0.55 | 0.65 | 0.73 | 0.75 | 0.85 | 0.39 | 0.47 | 0.55 | 0.57 | 0.66 |
| | | PI | 2.49 | 2.49 | 2.49 | 2.49 | 2.49 | 2.49 | 2.49 | 2.49 | 2.49 | 2.49 | 2.49 | 2.49 | 2.49 | 2.49 | 2.49 | 2.51 | 2.51 | 2.51 | 2.51 | 2.51 |
| | 23°F 5°C | TC | 37402 | 37454 | 38063 | 38250 | 39500 | 39322 | 39331 | 39337 | 39338 | 39570 | 40708 | 40707 | 40719 | 40721 | 40728 | 43332 | 43319 | 43321 | 43327 | 43356 |
| | | S/T | 0.80 | 0.91 | 1.00 | 1.00 | 1.00 | 0.65 | 0.75 | 0.84 | 0.86 | 0.97 | 0.54 | 0.65 | 0.74 | 0.75 | 0.85 | 0.39 | 0.47 | 0.56 | 0.57 | 0.66 |
| | | PI | 2.43 | 2.43 | 2.43 | 2.43 | 2.44 | 2.44 | 2.44 | 2.44 | 2.44 | 2.44 | 2.46 | 2.46 | 2.46 | 2.46 | 2.46 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 |
| | 35°F 1.7°C | TC | 37522 | 37523 | 37595 | 37637 | 38605 | 39322 | 39316 | 39318 | 39319 | 39320 | 40585 | 40583 | 40578 | 40578 | 40583 | 42936 | 42926 | 42917 | 42923 | 42915 |
| | | S/T | 0.75 | 0.85 | 0.93 | 0.94 | 1.00 | 0.62 | 0.71 | 0.79 | 0.80 | 0.89 | 0.53 | 0.62 | 0.69 | 0.71 | 0.80 | 0.39 | 0.46 | 0.53 | 0.54 | 0.63 |
| | | PI | 2.16 | 2.17 | 2.17 | 2.17 | 2.24 | 2.29 | 2.29 | 2.29 | 2.29 | 2.29 | 2.39 | 2.39 | 2.39 | 2.39 | 2.39 | 2.60 | 2.60 | 2.60 | 2.60 | 2.60 |
| | 41°F 5°C | TC | 32551 | 32551 | 32642 | 32686 | 33613 | 34105 | 34101 | 34102 | 34102 | 34132 | 35196 | 35192 | 35189 | 35190 | 35194 | 37222 | 37213 | 37206 | 37210 | 37204 |
| | | S/T | 0.76 | 0.86 | 0.94 | 0.96 | 1.00 | 0.62 | 0.72 | 0.80 | 0.81 | 0.90 | 0.53 | 0.62 | 0.70 | 0.71 | 0.81 | 0.39 | 0.46 | 0.53 | 0.55 | 0.64 |
| | | PI | 1.66 | 1.66 | 1.67 | 1.67 | 1.73 | 1.77 | 1.77 | 1.77 | 1.77 | 1.77 | 1.85 | 1.85 | 1.85 | 1.85 | 1.85 | 2.01 | 2.01 | 2.01 | 2.01 | 2.01 |
| | 47°F 8.3°C | TC | 27574 | 27574 | 27680 | 27728 | 28581 | 28886 | 28882 | 28883 | 28883 | 28926 | 29806 | 29803 | 29800 | 29801 | 29802 | 31516 | 31508 | 31506 | 31505 | 31500 |
| | | S/T | 0.77 | 0.87 | 0.95 | 0.97 | 1.00 | 0.63 | 0.72 | 0.81 | 0.82 | 0.91 | 0.53 | 0.63 | 0.71 | 0.72 | 0.82 | 0.39 | 0.46 | 0.54 | 0.55 | 0.64 |
| | | PI | 1.16 | 1.16 | 1.17 | 1.17 | 1.22 | 1.24 | 1.24 | 1.24 | 1.24 | 1.24 | 1.30 | 1.30 | 1.30 | 1.30 | 1.30 | 1.42 | 1.42 | 1.42 | 1.42 | 1.42 |
| | 50°F 10°C | TC | 27059 | 27501 | 28420 | 28582 | 29677 | 28649 | 28666 | 28759 | 28796 | 29712 | 29777 | 29815 | 29833 | 29834 | 29969 | 31922 | 31938 | 32015 | 32024 | 32066 |
| | | S/T | 0.87 | 1.00 | 1.00 | 1.00 | 1.00 | 0.69 | 0.81 | 0.92 | 0.94 | 1.00 | 0.57 | 0.69 | 0.80 | 0.81 | 0.93 | 0.39 | 0.49 | 0.58 | 0.60 | 0.71 |
| | | PI | 1.36 | 1.36 | 1.36 | 1.36 | 1.36 | 1.36 | 1.36 | 1.36 | 1.36 | 1.36 | 1.36 | 1.36 | 1.36 | 1.36 | 1.36 | 1.36 | 1.36 | 1.36 | 1.36 | 1.36 |
| | 59°F 15°C | TC | 27043 | 27695 | 28669 | 28842 | 30002 | 28694 | 28706 | 28849 | 28904 | 30037 | 29885 | 29917 | 29929 | 29931 | 30128 | 32167 | 32176 | 32239 | 32246 | 32278 |
| | | S/T | 0.88 | 1.00 | 1.00 | 1.00 | 1.00 | 0.70 | 0.83 | 0.94 | 0.97 | 1.00 | 0.58 | 0.71 | 0.81 | 0.83 | 0.96 | 0.39 | 0.50 | 0.59 | 0.61 | 0.73 |
| | | PI | 1.54 | 1.54 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 | 1.56 | 1.56 | 1.56 | 1.56 | 1.56 |
| | 68°F 20°C | TC | 27051 | 27924 | 28951 | 29134 | 30359 | 28742 | 28751 | 28976 | 29165 | 30393 | 29993 | 30018 | 30026 | 30027 | 30369 | 32386 | 32397 | 32448 | 32454 | 32478 |
| | | S/T | 0.91 | 1.00 | 1.00 | 1.00 | 1.00 | 0.72 | 0.85 | 0.97 | 1.00 | 1.00 | 0.59 | 0.72 | 0.84 | 0.86 | 0.99 | 0.40 | 0.50 | 0.61 | 0.62 | 0.75 |
| | | PI | 1.72 | 1.72 | 1.73 | 1.73 | 1.74 | 1.73 | 1.73 | 1.73 | 1.73 | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 | 1.77 | 1.77 | 1.76 | 1.76 | 1.76 |
| | 77°F 25°C | TC | 27005 | 28040 | 29127 | 29321 | 30616 | 28761 | 28775 | 29105 | 29355 | 30652 | 30074 | 30109 | 30123 | 30157 | 30680 | 32572 | 32601 | 32674 | 32682 | 32718 |
| | | S/T | 0.92 | 1.00 | 1.00 | 1.00 | 1.00 | 0.72 | 0.87 | 0.99 | 1.00 | 1.00 | 0.59 | 0.73 | 0.85 | 0.86 | 1.00 | 0.40 | 0.51 | 0.61 | 0.63 | 0.76 |
| | | PI | 1.91 | 1.92 | 1.92 | 1.93 | 1.93 | 1.92 | 1.92 | 1.92 | 1.93 | 1.94 | 1.93 | 1.93 | 1.93 | 1.93 | 1.94 | 1.95 | 1.95 | 1.95 | 1.95 | 1.95 |
| | 82°F 27.8°C | TC | 27713 | 28889 | 30040 | 30245 | 31620 | 29543 | 29591 | 30076 | 30281 | 31656 | 30925 | 30966 | 30982 | 31030 | 31684 | 33544 | 33586 | 33670 | 33680 | 33720 |
| | | S/T | 0.94 | 1.00 | 1.00 | 1.00 | 1.00 | 0.73 | 0.87 | 1.00 | 1.00 | 1.00 | 0.60 | 0.74 | 0.86 | 0.87 | 1.00 | 0.40 | 0.51 | 0.62 | 0.63 | 0.76 |
| | | PI | 2.23 | 2.24 | 2.24 | 2.25 | 2.26 | 2.24 | 2.24 | 2.24 | 2.25 | 2.26 | 2.25 | 2.25 | 2.25 | 2.25 | 2.26 | 2.28 | 2.28 | 2.27 | 2.27 | 2.27 |
| | 86°F 30°C | TC | 29184 | 30535 | 31774 | 31993 | 33484 | 31111 | 31176 | 31812 | 32032 | 33511 | 32595 | 32633 | 32685 | 32714 | 33542 | 35397 | 35448 | 35531 | 35540 | 35577 |
| | | S/T | 0.95 | 1.00 | 1.00 | 1.00 | 1.00 | 0.74 | 0.88 | 1.00 | 1.00 | 1.00 | 0.60 | 0.75 | 0.86 | 0.88 | 1.00 | 0.40 | 0.51 | 0.62 | 0.64 | 0.77 |
| | | PI | 2.74 | 2.76 | 2.77 | 2.77 | 2.79 | 2.77 | 2.76 | 2.77 | 2.77 | 2.79 | 2.78 | 2.78 | 2.78 | 2.78 | 2.79 | 2.82 | 2.81 | 2.81 | 2.81 | 2.81 |
| | 95°F 35°C | TC | 32881 | 32940 | 33647 | 33845 | 35172 | 34984 | 34993 | 35005 | 35006 | 35244 | 36495 | 36498 | 36517 | 36520 | 36536 | 39397 | 39383 | 39387 | 39385 | 39414 |
| | | S/T | 0.80 | 0.91 | 1.00 | 1.00 | 1.00 | 0.65 | 0.75 | 0.84 | 0.86 | 0.96 | 0.54 | 0.65 | 0.73 | 0.75 | 0.85 | 0.39 | 0.47 | 0.55 | 0.56 | 0.66 |
| | | PI | 3.77 | 3.77 | 3.81 | 3.82 | 3.89 | 3.88 | 3.88 | 3.88 | 3.88 | 3.90 | 3.97 | 3.97 | 3.97 | 3.97 | 3.97 | 4.14 | 4.14 | 4.14 | 4.14 | 4.14 |
| | 104°F 40°C | TC | 29248 | 29353 | 30198 | 30376 | 31581 | 31120 | 31130 | 31138 | 31140 | 31550 | 32464 | 32470 | 32487 | 32490 | 32500 | 35045 | 35031 | 35039 | 35032 | 35066 |
| | | S/T | 0.82 | 0.94 | 1.00 | 1.00 | 1.00 | 0.66 | 0.77 | 0.86 | 0.88 | 1.00 | 0.55 | 0.66 | 0.75 | 0.77 | 0.87 | 0.39 | 0.47 | 0.56 | 0.58 | 0.67 |
| | | PI | 3.66 | 3.67 | 3.72 | 3.73 | 3.80 | 3.78 | 3.78 | 3.78 | 3.78 | 3.80 | 3.86 | 3.86 | 3.86 | 3.86 | 3.86 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 |
| | 110°F 43°C | TC | 26894 | 27621 | 28669 | 28854 | 30094 | 28729 | 28740 | 28865 | 28921 | 30127 | 30042 | 30059 | 30069 | 30070 | 30246 | 32564 | 32550 | 32582 | 32588 | 32612 |
| | | S/T | 0.89 | 1.00 | 1.00 | 1.00 | 1.00 | 0.70 | 0.83 | 0.94 | 0.96 | 1.00 | 0.58 | 0.70 | 0.81 | 0.83 | 0.96 | 0.39 | 0.49 | 0.59 | 0.61 | 0.73 |
| | | PI | 3.64 | 3.68 | 3.72 | 3.73 | 3.79 | 3.73 | 3.73 | 3.73 | 3.74 | 3.79 | 3.79 | 3.79 | 3.79 | 3.79 | 3.80 | 3.92 | 3.92 | 3.91 | 3.91 | 3.91 |
| | 115°F 46°C | TC | 22132 | 22966 | 23868 | 24029 | 25100 | 23640 | 23645 | 23852 | 24059 | 25129 | 24768 | 24790 | 24797 | 24797 | 25152 | 26879 | 26867 | 26909 | 26913 | 26927 |
| | | S/T | 0.92 | 1.00 | 1.00 | 1.00 | 1.00 | 0.72 | 0.86 | 0.98 | 1.00 | 1.00 | 0.59 | 0.73 | 0.84 | 0.86 | 1.00 | 0.40 | 0.50 | 0.61 | 0.63 | 0.75 |
| | | PI | 3.11 | 3.15 | 3.19 | 3.19 | 3.24 | 3.18 | 3.18 | 3.18 | 3.19 | 3.24 | 3.23 | 3.23 | 3.23 | 3.23 | 3.24 | 3.32 | 3.32 | 3.32 | 3.31 | 3.31 |
| | 122°F 50°C | TC | 16041 | 16920 | 17673 | 17807 | 18701 | 16784 | 16916 | 17693 | 17827 | 18721 | 17675 | 17674 | 17767 | 17820 | 18737 | 19344 | 19382 | 19393 | 19392 | 19382 |
| | | S/T | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.80 | 0.98 | 1.00 | 1.00 | 1.00 | 0.64 | 0.81 | 0.95 | 0.98 | 1.00 | 0.41 | 0.54 | 0.67 | 0.69 | 0.84 |
| | | PI | 2.45 | 2.47 | 2.49 | 2.49 | 2.51 | 2.47 | 2.47 | 2.49 | 2.49 | 2.51 | 2.49 | 2.49 | 2.49 | 2.49 | 2.51 | 2.54 | 2.54 | 2.53 | 2.53 | 2.53 |

## Table 8 – 36K Cooling — 37MURA + 45MUAA (Continued)

| Airflow CFM | Out-door DB °F | ID WB °F | 60.8°F (16.0°C) | | | | | 64.4°F (16.0°C) | | | | | 67.0°F (19.4°C) | | | | | 71.6°F (22.0°C) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ID DB °F | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C |
| 1185 | -13°F 25°C | TC | 33479 | 33464 | 33941 | 34082 | 35020 | 34931 | 34902 | 34880 | 34877 | 34848 | 35975 | 35930 | 35896 | 35891 | 35856 | 37947 | 37937 | 37859 | 37844 | 37764 |
| | | S/T | 0.80 | 0.91 | 1.00 | 1.00 | 1.00 | 0.65 | 0.75 | 0.85 | 0.86 | 0.97 | 0.55 | 0.65 | 0.74 | 0.76 | 0.86 | 0.39 | 0.47 | 0.56 | 0.57 | 0.67 |
| | | PI | 2.59 | 2.59 | 2.58 | 2.58 | 2.57 | 2.57 | 2.57 | 2.57 | 2.57 | 2.57 | 2.57 | 2.57 | 2.57 | 2.57 | 2.57 | 2.58 | 2.58 | 2.59 | 2.59 | 2.59 |
| | -4°F 20°C | TC | 36055 | 36038 | 36552 | 36704 | 37714 | 37618 | 37587 | 37563 | 37559 | 37528 | 38742 | 38694 | 38657 | 38652 | 38615 | 40866 | 40855 | 40771 | 40756 | 40669 |
| | | S/T | 0.80 | 0.92 | 1.00 | 1.00 | 1.00 | 0.65 | 0.76 | 0.85 | 0.87 | 0.98 | 0.55 | 0.65 | 0.74 | 0.76 | 0.86 | 0.39 | 0.48 | 0.56 | 0.57 | 0.67 |
| | | PI | 2.68 | 2.68 | 2.67 | 2.67 | 2.67 | 2.66 | 2.66 | 2.67 | 2.67 | 2.67 | 2.66 | 2.66 | 2.66 | 2.66 | 2.66 | 2.68 | 2.68 | 2.68 | 2.68 | 2.68 |
| | 0°F 17.8°C | TC | 37251 | 37229 | 37920 | 38078 | 39124 | 38849 | 38806 | 38776 | 38771 | 39161 | 39991 | 39934 | 39884 | 39878 | 39859 | 42141 | 42131 | 42128 | 42134 | 42161 |
| | | S/T | 0.81 | 0.93 | 1.00 | 1.00 | 1.00 | 0.66 | 0.77 | 0.86 | 0.88 | 1.00 | 0.55 | 0.66 | 0.75 | 0.77 | 0.87 | 0.39 | 0.48 | 0.57 | 0.58 | 0.68 |
| | | PI | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 |
| | 5°F 15°C | TC | 38319 | 38451 | 39330 | 39511 | 40729 | 40116 | 40126 | 40129 | 40170 | 40769 | 41399 | 41410 | 41418 | 41419 | 41474 | 43827 | 43814 | 43837 | 43842 | 43861 |
| | | S/T | 0.82 | 0.94 | 1.00 | 1.00 | 1.00 | 0.66 | 0.78 | 0.87 | 0.88 | 1.00 | 0.56 | 0.67 | 0.76 | 0.78 | 0.88 | 0.39 | 0.48 | 0.57 | 0.59 | 0.69 |
| | | PI | 2.72 | 2.72 | 2.73 | 2.73 | 2.74 | 2.73 | 2.73 | 2.74 | 2.74 | 2.74 | 2.75 | 2.75 | 2.75 | 2.75 | 2.76 | 2.81 | 2.81 | 2.81 | 2.81 | 2.82 |
| | 14°F 10°C | TC | 39647 | 39627 | 40436 | 40625 | 41885 | 41615 | 41579 | 41550 | 41546 | 41935 | 43041 | 42987 | 42943 | 42937 | 42893 | 45766 | 45752 | 45664 | 45649 | 45551 |
| | | S/T | 0.81 | 0.93 | 1.00 | 1.00 | 1.00 | 0.65 | 0.76 | 0.86 | 0.87 | 1.00 | 0.55 | 0.66 | 0.75 | 0.76 | 0.87 | 0.39 | 0.48 | 0.56 | 0.57 | 0.67 |
| | | PI | 2.67 | 2.67 | 2.67 | 2.66 | 2.66 | 2.66 | 2.66 | 2.66 | 2.66 | 2.66 | 2.66 | 2.66 | 2.66 | 2.66 | 2.66 | 2.67 | 2.67 | 2.67 | 2.67 | 2.67 |
| | 17°F 10°C | TC | 39995 | 40125 | 41052 | 41252 | 42592 | 41985 | 42003 | 42010 | 42046 | 42638 | 43418 | 43435 | 43452 | 43454 | 43507 | 46176 | 46164 | 46157 | 46165 | 46204 |
| | | S/T | 0.82 | 0.93 | 1.00 | 1.00 | 1.00 | 0.66 | 0.77 | 0.87 | 0.88 | 1.00 | 0.55 | 0.66 | 0.76 | 0.77 | 0.87 | 0.39 | 0.48 | 0.57 | 0.58 | 0.68 |
| | | PI | 2.62 | 2.62 | 2.62 | 2.62 | 2.62 | 2.62 | 2.62 | 2.62 | 2.62 | 2.62 | 2.62 | 2.63 | 2.63 | 2.63 | 2.63 | 2.65 | 2.65 | 2.65 | 2.65 | 2.65 |
| | 23°F 5°C | TC | 39886 | 40057 | 41093 | 41296 | 42657 | 41905 | 41918 | 41923 | 41977 | 42703 | 43351 | 43366 | 43377 | 43378 | 43448 | 46095 | 46080 | 46113 | 46120 | 46146 |
| | | S/T | 0.83 | 0.95 | 1.00 | 1.00 | 1.00 | 0.66 | 0.78 | 0.88 | 0.89 | 1.00 | 0.56 | 0.67 | 0.76 | 0.78 | 0.89 | 0.39 | 0.48 | 0.57 | 0.59 | 0.69 |
| | | PI | 2.56 | 2.56 | 2.57 | 2.57 | 2.58 | 2.57 | 2.57 | 2.57 | 2.57 | 2.58 | 2.59 | 2.59 | 2.59 | 2.59 | 2.59 | 2.64 | 2.64 | 2.64 | 2.64 | 2.64 |
| | 35°F 1.7°C | TC | 40043 | 40045 | 40280 | 40393 | 41695 | 41915 | 41914 | 41917 | 41917 | 42029 | 43227 | 43224 | 43227 | 43228 | 43232 | 45661 | 45650 | 45648 | 45646 | 45650 |
| | | S/T | 0.78 | 0.88 | 0.97 | 0.99 | 1.00 | 0.63 | 0.73 | 0.82 | 0.83 | 0.93 | 0.54 | 0.63 | 0.72 | 0.73 | 0.83 | 0.39 | 0.46 | 0.54 | 0.56 | 0.65 |
| | | PI | 2.28 | 2.28 | 2.30 | 2.31 | 2.40 | 2.42 | 2.42 | 2.42 | 2.42 | 2.43 | 2.52 | 2.52 | 2.52 | 2.52 | 2.52 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 |
| | 41°F 5°C | TC | 34737 | 34737 | 35014 | 35257 | 36299 | 36352 | 36351 | 36353 | 36353 | 36481 | 37486 | 37484 | 37486 | 37487 | 37489 | 39590 | 39580 | 39577 | 39576 | 39580 |
| | | S/T | 0.78 | 0.89 | 0.98 | 1.00 | 1.00 | 0.64 | 0.74 | 0.83 | 0.84 | 0.94 | 0.54 | 0.64 | 0.72 | 0.74 | 0.84 | 0.39 | 0.47 | 0.55 | 0.56 | 0.66 |
| | | PI | 1.75 | 1.75 | 1.77 | 1.79 | 1.86 | 1.86 | 1.86 | 1.86 | 1.86 | 1.87 | 1.95 | 1.95 | 1.95 | 1.95 | 1.95 | 2.12 | 2.12 | 2.12 | 2.12 | 2.12 |
| | 47°F 8.3°C | TC | 29425 | 29445 | 29840 | 29973 | 30860 | 30790 | 30789 | 30789 | 30789 | 30932 | 31746 | 31743 | 31745 | 31745 | 31745 | 33523 | 33515 | 33512 | 33511 | 33514 |
| | | S/T | 0.79 | 0.90 | 1.00 | 1.00 | 1.00 | 0.64 | 0.75 | 0.84 | 0.85 | 0.96 | 0.54 | 0.65 | 0.73 | 0.75 | 0.85 | 0.39 | 0.47 | 0.55 | 0.57 | 0.67 |
| | | PI | 1.23 | 1.23 | 1.25 | 1.26 | 1.31 | 1.31 | 1.31 | 1.31 | 1.31 | 1.32 | 1.37 | 1.37 | 1.37 | 1.37 | 1.37 | 1.49 | 1.49 | 1.49 | 1.49 | 1.49 |
| | 50°F 10°C | TC | 28899 | 29695 | 30697 | 30875 | 32072 | 30531 | 30547 | 30759 | 30855 | 32102 | 31722 | 31763 | 31780 | 31781 | 32087 | 33908 | 33998 | 34085 | 34095 | 34138 |
| | | S/T | 0.90 | 1.00 | 1.00 | 1.00 | 1.00 | 0.71 | 0.85 | 0.96 | 0.99 | 1.00 | 0.59 | 0.72 | 0.83 | 0.85 | 0.99 | 0.40 | 0.50 | 0.60 | 0.62 | 0.74 |
| | | PI | 1.44 | 1.44 | 1.44 | 1.44 | 1.44 | 1.44 | 1.44 | 1.44 | 1.44 | 1.44 | 1.44 | 1.44 | 1.44 | 1.44 | 1.44 | 1.44 | 1.44 | 1.43 | 1.43 | 1.43 |
| | 59°F 15°C | TC | 28900 | 29914 | 30976 | 31165 | 32433 | 30578 | 30620 | 30967 | 31198 | 32465 | 31839 | 31872 | 31883 | 31929 | 32491 | 34189 | 34258 | 34326 | 34334 | 34362 |
| | | S/T | 0.92 | 1.00 | 1.00 | 1.00 | 1.00 | 0.73 | 0.86 | 1.00 | 1.00 | 1.00 | 0.60 | 0.73 | 0.85 | 0.86 | 1.00 | 0.40 | 0.51 | 0.61 | 0.63 | 0.76 |
| | | PI | 1.63 | 1.63 | 1.63 | 1.63 | 1.64 | 1.63 | 1.63 | 1.63 | 1.63 | 1.64 | 1.64 | 1.64 | 1.64 | 1.64 | 1.64 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 |
| | 68°F 20°C | TC | 28888 | 30121 | 31238 | 31436 | 32770 | 30582 | 30651 | 31272 | 31470 | 32803 | 31904 | 31928 | 31986 | 32014 | 32830 | 34377 | 34441 | 34495 | 34500 | 34518 |
| | | S/T | 0.95 | 1.00 | 1.00 | 1.00 | 1.00 | 0.74 | 0.89 | 1.00 | 1.00 | 1.00 | 0.61 | 0.75 | 0.87 | 0.89 | 1.00 | 0.40 | 0.51 | 0.63 | 0.65 | 0.78 |
| | | PI | 1.81 | 1.82 | 1.83 | 1.83 | 1.84 | 1.83 | 1.83 | 1.83 | 1.83 | 1.84 | 1.84 | 1.84 | 1.84 | 1.84 | 1.84 | 1.86 | 1.86 | 1.86 | 1.86 | 1.86 |
| | 77°F 25°C | TC | 28851 | 30240 | 31424 | 31633 | 33046 | 30586 | 30683 | 31458 | 31668 | 33080 | 31971 | 32007 | 32089 | 32125 | 33107 | 34530 | 34635 | 34715 | 34723 | 34756 |
| | | S/T | 0.97 | 1.00 | 1.00 | 1.00 | 1.00 | 0.75 | 0.90 | 1.00 | 1.00 | 1.00 | 0.61 | 0.76 | 0.88 | 0.90 | 1.00 | 0.40 | 0.52 | 0.63 | 0.65 | 0.79 |
| | | PI | 2.01 | 2.02 | 2.03 | 2.03 | 2.04 | 2.03 | 2.03 | 2.03 | 2.03 | 2.04 | 2.04 | 2.04 | 2.04 | 2.04 | 2.04 | 2.06 | 2.06 | 2.06 | 2.06 | 2.06 |
| | 82°F 27.8°C | TC | 29631 | 31143 | 32399 | 32619 | 34113 | 31399 | 31520 | 32428 | 32656 | 34149 | 32860 | 32901 | 33004 | 33044 | 34179 | 35528 | 35662 | 35755 | 35764 | 35803 |
| | | S/T | 0.99 | 1.00 | 1.00 | 1.00 | 1.00 | 0.76 | 0.91 | 1.00 | 1.00 | 1.00 | 0.62 | 0.77 | 0.89 | 0.92 | 1.00 | 0.40 | 0.52 | 0.64 | 0.66 | 0.80 |
| | | PI | 2.35 | 2.36 | 2.37 | 2.37 | 2.38 | 2.36 | 2.36 | 2.37 | 2.37 | 2.38 | 2.38 | 2.38 | 2.38 | 2.38 | 2.38 | 2.40 | 2.40 | 2.40 | 2.40 | 2.40 |
| | 86°F 30°C | TC | 31371 | 32937 | 34284 | 34523 | 36131 | 33083 | 33235 | 34322 | 34562 | 36168 | 34651 | 34691 | 34818 | 34868 | 36199 | 37514 | 37658 | 37748 | 37757 | 37792 |
| | | S/T | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.77 | 0.93 | 1.00 | 1.00 | 1.00 | 0.62 | 0.78 | 0.91 | 0.93 | 1.00 | 0.40 | 0.52 | 0.64 | 0.66 | 0.81 |
| | | PI | 2.90 | 2.91 | 2.93 | 2.93 | 2.95 | 2.92 | 2.92 | 2.93 | 2.93 | 2.95 | 2.93 | 2.93 | 2.93 | 2.93 | 2.95 | 2.97 | 2.97 | 2.97 | 2.97 | 2.96 |
| | 95°F 35°C | TC | 35067 | 35256 | 36396 | 36611 | 38058 | 37269 | 37291 | 37302 | 37346 | 38106 | 38868 | 38876 | 38900 | 38904 | 38968 | 41882 | 41866 | 41875 | 41887 | 41943 |
| | | S/T | 0.83 | 0.95 | 1.00 | 1.00 | 1.00 | 0.66 | 0.78 | 0.88 | 0.89 | 1.00 | 0.56 | 0.67 | 0.76 | 0.78 | 0.88 | 0.39 | 0.48 | 0.57 | 0.58 | 0.68 |
| | | PI | 3.97 | 3.98 | 4.04 | 4.06 | 4.14 | 4.10 | 4.10 | 4.10 | 4.10 | 4.14 | 4.19 | 4.19 | 4.19 | 4.19 | 4.19 | 4.36 | 4.36 | 4.36 | 4.36 | 4.36 |
| | 104°F 40°C | TC | 31195 | 31481 | 32666 | 32862 | 34173 | 33160 | 33179 | 33238 | 33274 | 34215 | 34576 | 34589 | 34607 | 34609 | 34707 | 37267 | 37253 | 37270 | 37283 | 37322 |
| | | S/T | 0.85 | 0.98 | 1.00 | 1.00 | 1.00 | 0.68 | 0.80 | 0.90 | 0.92 | 1.00 | 0.56 | 0.68 | 0.78 | 0.80 | 0.91 | 0.39 | 0.48 | 0.58 | 0.59 | 0.70 |
| | | PI | 3.87 | 3.88 | 3.95 | 3.96 | 4.04 | 3.99 | 3.98 | 3.99 | 3.99 | 4.05 | 4.07 | 4.07 | 4.07 | 4.07 | 4.08 | 4.24 | 4.24 | 4.24 | 4.24 | 4.24 |
| | 110°F 43°C | TC | 28761 | 29866 | 31005 | 31207 | 32558 | 30621 | 30630 | 30972 | 31243 | 32592 | 31999 | 32024 | 32032 | 32056 | 32621 | 34635 | 34637 | 34691 | 34696 | 34716 |
| | | S/T | 0.92 | 1.00 | 1.00 | 1.00 | 1.00 | 0.72 | 0.87 | 0.99 | 1.00 | 1.00 | 0.60 | 0.73 | 0.85 | 0.86 | 1.00 | 0.40 | 0.51 | 0.61 | 0.63 | 0.76 |
| | | PI | 3.85 | 3.90 | 3.95 | 3.96 | 4.02 | 3.94 | 3.93 | 3.95 | 3.96 | 4.03 | 4.00 | 4.00 | 4.00 | 4.00 | 4.03 | 4.13 | 4.13 | 4.13 | 4.13 | 4.13 |
| | 115°F 46°C | TC | 23686 | 24827 | 25808 | 26001 | 27146 | 25189 | 25239 | 25838 | 26034 | 27173 | 26363 | 26379 | 26415 | 26441 | 27197 | 28585 | 28607 | 28646 | 28650 | 28659 |
| | | S/T | 0.96 | 1.00 | 1.00 | 1.00 | 1.00 | 0.75 | 0.89 | 1.00 | 1.00 | 1.00 | 0.61 | 0.75 | 0.87 | 0.90 | 1.00 | 0.40 | 0.52 | 0.63 | 0.65 | 0.78 |
| | | PI | 3.30 | 3.34 | 3.39 | 3.40 | 3.44 | 3.36 | 3.36 | 3.39 | 3.40 | 3.44 | 3.41 | 3.41 | 3.41 | 3.41 | 3.44 | 3.51 | 3.51 | 3.51 | 3.51 | 3.50 |
| | 122°F 50°C | TC | 17137 | 18082 | 18892 | 19033 | 19994 | 17683 | 18101 | 18913 | 19054 | 20013 | 18622 | 18617 | 18926 | 19069 | 20025 | 20334 | 20413 | 20418 | 20416 | 20443 |
| | | S/T | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.84 | 1.00 | 1.00 | 1.00 | 1.00 | 0.67 | 0.85 | 1.00 | 1.00 | 1.00 | 0.41 | 0.55 | 0.69 | 0.72 | 0.88 |
| | | PI | 2.58 | 2.61 | 2.63 | 2.63 | 2.65 | 2.60 | 2.61 | 2.63 | 2.63 | 2.65 | 2.62 | 2.62 | 2.63 | 2.63 | 2.65 | 2.68 | 2.67 | 2.67 | 2.67 | 2.66 |

## Table 9 – 48K Cooling — 37MURA + 45MUAA

| Airflow CFM | Out-door DB °F | ID WB °F | 60.8°F (16.0°C) | | | | | 64.4°F (16.0°C) | | | | | 67.0°F (19.4°C) | | | | | 71.6°F (22.0°C) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ID DB °F | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C |
| 1094 | -13°F 25°C | TC | 36259 | 36254 | 36249 | 36248 | 36242 | 37947 | 37937 | 37930 | 37930 | 37922 | 39143 | 39133 | 39124 | 39123 | 39114 | 41388 | 41377 | 41367 | 41365 | 41352 |
| | | S/T | 0.72 | 0.80 | 0.87 | 0.88 | 0.97 | 0.59 | 0.67 | 0.74 | 0.76 | 0.83 | 0.51 | 0.59 | 0.66 | 0.67 | 0.75 | 0.38 | 0.46 | 0.51 | 0.52 | 0.60 |
| | | PI | 1.70 | 1.70 | 1.71 | 1.70 | 1.71 | 1.68 | 1.68 | 1.69 | 1.69 | 1.69 | 1.68 | 1.68 | 1.68 | 1.68 | 1.68 | 1.67 | 1.67 | 1.67 | 1.67 | 1.67 |
| | -4°F 20°C | TC | 39048 | 39042 | 39037 | 39037 | 39029 | 40866 | 40855 | 40848 | 40847 | 40839 | 42154 | 42143 | 42134 | 42132 | 42123 | 44571 | 44560 | 44549 | 44547 | 44533 |
| | | S/T | 0.72 | 0.80 | 0.88 | 0.89 | 0.97 | 0.60 | 0.68 | 0.75 | 0.76 | 0.84 | 0.52 | 0.59 | 0.66 | 0.67 | 0.75 | 0.39 | 0.47 | 0.51 | 0.52 | 0.60 |
| | | PI | 1.77 | 1.77 | 1.77 | 1.77 | 1.77 | 1.74 | 1.74 | 1.75 | 1.75 | 1.75 | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 | 1.73 | 1.73 | 1.73 | 1.73 | 1.73 |
| | 0°F 17.8°C | TC | 40319 | 40311 | 40304 | 40303 | 40291 | 42177 | 42168 | 42159 | 42158 | 42146 | 43493 | 43481 | 43471 | 43470 | 43456 | 45946 | 45935 | 45926 | 45924 | 45906 |
| | | S/T | 0.72 | 0.81 | 0.88 | 0.90 | 0.98 | 0.60 | 0.68 | 0.75 | 0.76 | 0.85 | 0.52 | 0.60 | 0.67 | 0.68 | 0.76 | 0.39 | 0.47 | 0.52 | 0.53 | 0.60 |
| | | PI | 1.78 | 1.78 | 1.78 | 1.78 | 1.78 | 1.77 | 1.77 | 1.77 | 1.77 | 1.77 | 1.76 | 1.76 | 1.76 | 1.76 | 1.76 | 1.77 | 1.77 | 1.77 | 1.77 | 1.77 |
| | 5°F 15°C | TC | 41583 | 41583 | 41583 | 41583 | 42205 | 43660 | 43652 | 43650 | 43651 | 43655 | 45152 | 45150 | 45143 | 45142 | 45146 | 48015 | 48002 | 47991 | 47989 | 47989 |
| | | S/T | 0.73 | 0.82 | 0.90 | 0.91 | 1.00 | 0.60 | 0.69 | 0.76 | 0.77 | 0.86 | 0.52 | 0.60 | 0.67 | 0.68 | 0.77 | 0.39 | 0.47 | 0.52 | 0.53 | 0.61 |
| | | PI | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.79 | 1.79 | 1.79 | 1.79 | 1.79 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.82 | 1.82 | 1.82 | 1.82 | 1.82 |
| | 14°F 10°C | TC | 42098 | 42092 | 42087 | 42086 | 42291 | 44308 | 44296 | 44289 | 44288 | 44280 | 45887 | 45876 | 45864 | 45863 | 45853 | 48885 | 48871 | 48860 | 48857 | 48842 |
| | | S/T | 0.73 | 0.81 | 0.89 | 0.90 | 0.99 | 0.60 | 0.68 | 0.75 | 0.76 | 0.85 | 0.52 | 0.60 | 0.66 | 0.68 | 0.76 | 0.39 | 0.47 | 0.51 | 0.53 | 0.60 |
| | | PI | 1.77 | 1.77 | 1.77 | 1.77 | 1.77 | 1.76 | 1.76 | 1.76 | 1.76 | 1.76 | 1.75 | 1.76 | 1.76 | 1.76 | 1.76 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 |
| | 17°F 10°C | TC | 42301 | 42292 | 42286 | 42285 | 42894 | 44520 | 44509 | 44500 | 44498 | 44499 | 46112 | 46111 | 46104 | 46103 | 46110 | 49227 | 49213 | 49201 | 49199 | 49201 |
| | | S/T | 0.73 | 0.82 | 0.89 | 0.91 | 1.00 | 0.60 | 0.69 | 0.76 | 0.77 | 0.85 | 0.52 | 0.60 | 0.67 | 0.68 | 0.76 | 0.39 | 0.47 | 0.52 | 0.53 | 0.61 |
| | | PI | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 |
| | 23°F 5°C | TC | 41205 | 41206 | 41206 | 41233 | 41986 | 43422 | 43414 | 43413 | 43414 | 43419 | 45018 | 45015 | 45008 | 45007 | 45012 | 48086 | 48072 | 48061 | 48059 | 48059 |
| | | S/T | 0.74 | 0.83 | 0.90 | 0.91 | 1.00 | 0.61 | 0.69 | 0.77 | 0.78 | 0.86 | 0.52 | 0.60 | 0.67 | 0.69 | 0.77 | 0.39 | 0.47 | 0.52 | 0.53 | 0.61 |
| | | PI | 1.92 | 1.92 | 1.92 | 1.92 | 1.92 | 1.93 | 1.93 | 1.93 | 1.93 | 1.93 | 1.93 | 1.93 | 1.93 | 1.93 | 1.93 | 1.96 | 1.96 | 1.96 | 1.96 | 1.96 |
| | 35°F 1.7°C | TC | 39347 | 39344 | 39341 | 39341 | 39395 | 41385 | 41381 | 41377 | 41375 | 41372 | 42826 | 42817 | 42816 | 42814 | 42808 | 45523 | 45513 | 45504 | 45503 | 45500 |
| | | S/T | 0.70 | 0.78 | 0.85 | 0.86 | 0.93 | 0.59 | 0.66 | 0.72 | 0.74 | 0.81 | 0.51 | 0.58 | 0.64 | 0.65 | 0.73 | 0.39 | 0.46 | 0.50 | 0.51 | 0.58 |
| | | PI | 2.11 | 2.11 | 2.11 | 2.11 | 2.11 | 2.23 | 2.23 | 2.23 | 2.23 | 2.23 | 2.32 | 2.32 | 2.32 | 2.32 | 2.32 | 2.52 | 2.52 | 2.52 | 2.52 | 2.52 |
| | 41°F 5°C | TC | 38212 | 38207 | 38206 | 38205 | 38294 | 40176 | 40171 | 40166 | 40166 | 40162 | 41563 | 41555 | 41552 | 41552 | 41544 | 44163 | 44154 | 44145 | 44144 | 44141 |
| | | S/T | 0.71 | 0.79 | 0.86 | 0.87 | 0.95 | 0.59 | 0.67 | 0.73 | 0.74 | 0.82 | 0.51 | 0.59 | 0.65 | 0.66 | 0.73 | 0.39 | 0.46 | 0.51 | 0.52 | 0.59 |
| | | PI | 2.02 | 2.02 | 2.02 | 2.02 | 2.03 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.24 | 2.24 | 2.24 | 2.24 | 2.24 | 2.44 | 2.44 | 2.44 | 2.44 | 2.44 |
| | 47°F 8.3°C | TC | 37069 | 37064 | 37062 | 37061 | 37190 | 38960 | 38956 | 38951 | 38951 | 38948 | 40300 | 40291 | 40288 | 40287 | 40281 | 42803 | 42793 | 42785 | 42783 | 42779 |
| | | S/T | 0.71 | 0.80 | 0.87 | 0.88 | 0.96 | 0.59 | 0.67 | 0.74 | 0.75 | 0.83 | 0.51 | 0.59 | 0.65 | 0.66 | 0.74 | 0.39 | 0.46 | 0.51 | 0.52 | 0.59 |
| | | PI | 1.94 | 1.94 | 1.94 | 1.94 | 1.95 | 2.07 | 2.07 | 2.07 | 2.07 | 2.07 | 2.17 | 2.17 | 2.17 | 2.17 | 2.16 | 2.36 | 2.36 | 2.36 | 2.36 | 2.36 |
| | 50°F 10°C | TC | 36419 | 36424 | 36760 | 37058 | 38434 | 38622 | 38630 | 38641 | 38643 | 38785 | 40220 | 40224 | 40241 | 40245 | 40261 | 43318 | 43301 | 43307 | 43304 | 43343 |
| | | S/T | 0.79 | 0.89 | 0.99 | 1.00 | 1.00 | 0.64 | 0.74 | 0.82 | 0.84 | 0.94 | 0.54 | 0.64 | 0.72 | 0.73 | 0.83 | 0.39 | 0.46 | 0.54 | 0.56 | 0.65 |
| | | PI | 2.22 | 2.22 | 2.22 | 2.22 | 2.22 | 2.22 | 2.22 | 2.22 | 2.22 | 2.22 | 2.22 | 2.22 | 2.22 | 2.22 | 2.22 | 2.22 | 2.22 | 2.22 | 2.22 | 2.22 |
| | 59°F 15°C | TC | 36116 | 36172 | 36884 | 37100 | 38550 | 38414 | 38421 | 38429 | 38430 | 38666 | 40094 | 40085 | 40101 | 40103 | 40115 | 43318 | 43300 | 43303 | 43301 | 43334 |
| | | S/T | 0.80 | 0.91 | 1.00 | 1.00 | 1.00 | 0.65 | 0.75 | 0.84 | 0.86 | 0.96 | 0.54 | 0.65 | 0.73 | 0.75 | 0.85 | 0.39 | 0.47 | 0.55 | 0.56 | 0.66 |
| | | PI | 2.37 | 2.37 | 2.37 | 2.37 | 2.38 | 2.38 | 2.38 | 2.38 | 2.38 | 2.38 | 2.39 | 2.39 | 2.39 | 2.39 | 2.39 | 2.40 | 2.40 | 2.40 | 2.40 | 2.40 |
| | 68°F 20°C | TC | 35837 | 35954 | 36970 | 37196 | 38717 | 38217 | 38224 | 38229 | 38230 | 38689 | 39953 | 39946 | 39960 | 39962 | 39970 | 43294 | 43276 | 43277 | 43276 | 43309 |
| | | S/T | 0.82 | 0.94 | 1.00 | 1.00 | 1.00 | 0.66 | 0.77 | 0.86 | 0.88 | 1.00 | 0.55 | 0.66 | 0.75 | 0.77 | 0.87 | 0.39 | 0.47 | 0.56 | 0.57 | 0.67 |
| | | PI | 2.51 | 2.51 | 2.53 | 2.53 | 2.54 | 2.54 | 2.54 | 2.54 | 2.54 | 2.54 | 2.56 | 2.56 | 2.56 | 2.56 | 2.55 | 2.59 | 2.59 | 2.59 | 2.59 | 2.59 |
| | 77°F 25°C | TC | 35501 | 35677 | 36901 | 37142 | 38740 | 37985 | 37998 | 38006 | 38043 | 38796 | 39801 | 39798 | 39819 | 39822 | 39870 | 43296 | 43276 | 43282 | 43282 | 43332 |
| | | S/T | 0.83 | 0.96 | 1.00 | 1.00 | 1.00 | 0.66 | 0.78 | 0.88 | 0.89 | 1.00 | 0.55 | 0.67 | 0.76 | 0.78 | 0.88 | 0.39 | 0.48 | 0.56 | 0.58 | 0.68 |
| | | PI | 2.68 | 2.69 | 2.70 | 2.70 | 2.71 | 2.71 | 2.71 | 2.71 | 2.71 | 2.71 | 2.72 | 2.72 | 2.72 | 2.72 | 2.72 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 |
| | 82°F 27.8°C | TC | 35647 | 35877 | 37253 | 37500 | 39157 | 38206 | 38224 | 38257 | 38290 | 39214 | 40079 | 40081 | 40104 | 40107 | 40176 | 43685 | 43664 | 43672 | 43676 | 43735 |
| | | S/T | 0.84 | 0.97 | 1.00 | 1.00 | 1.00 | 0.67 | 0.79 | 0.88 | 0.90 | 1.00 | 0.56 | 0.67 | 0.77 | 0.78 | 0.89 | 0.39 | 0.48 | 0.57 | 0.58 | 0.68 |
| | | PI | 3.00 | 3.00 | 3.02 | 3.02 | 3.03 | 3.03 | 3.03 | 3.03 | 3.03 | 3.03 | 3.04 | 3.04 | 3.04 | 3.04 | 3.04 | 3.07 | 3.07 | 3.07 | 3.07 | 3.07 |
| | 86°F 30°C | TC | 36187 | 36502 | 38024 | 38280 | 40002 | 38832 | 38849 | 38903 | 38941 | 40060 | 40763 | 40768 | 40790 | 40792 | 40885 | 44485 | 44463 | 44471 | 44481 | 44536 |
| | | S/T | 0.85 | 0.98 | 1.00 | 1.00 | 1.00 | 0.67 | 0.80 | 0.89 | 0.91 | 1.00 | 0.56 | 0.68 | 0.77 | 0.79 | 0.90 | 0.39 | 0.48 | 0.57 | 0.59 | 0.69 |
| | | PI | 3.53 | 3.54 | 3.56 | 3.56 | 3.58 | 3.57 | 3.57 | 3.57 | 3.57 | 3.58 | 3.59 | 3.59 | 3.59 | 3.59 | 3.59 | 3.63 | 3.63 | 3.63 | 3.63 | 3.63 |
| | 95°F 35°C | TC | 37969 | 37968 | 37971 | 38014 | 38988 | 40512 | 40502 | 40499 | 40500 | 40508 | 42345 | 42341 | 42332 | 42332 | 42333 | 45888 | 45872 | 45860 | 45858 | 45857 |
| | | S/T | 0.74 | 0.83 | 0.91 | 0.92 | 1.00 | 0.61 | 0.69 | 0.77 | 0.78 | 0.87 | 0.52 | 0.60 | 0.67 | 0.69 | 0.77 | 0.39 | 0.47 | 0.52 | 0.53 | 0.61 |
| | | PI | 4.57 | 4.57 | 4.57 | 4.57 | 4.62 | 4.71 | 4.71 | 4.71 | 4.71 | 4.71 | 4.81 | 4.81 | 4.81 | 4.81 | 4.81 | 5.02 | 5.01 | 5.01 | 5.02 | 5.01 |
| | 104°F 40°C | TC | 34232 | 34233 | 34295 | 34341 | 35487 | 36519 | 36510 | 36510 | 36510 | 36517 | 38170 | 38166 | 38158 | 38158 | 38163 | 41356 | 41341 | 41330 | 41328 | 41328 |
| | | S/T | 0.75 | 0.85 | 0.93 | 0.95 | 1.00 | 0.61 | 0.71 | 0.78 | 0.80 | 0.89 | 0.52 | 0.61 | 0.69 | 0.70 | 0.79 | 0.39 | 0.45 | 0.52 | 0.54 | 0.62 |
| | | PI | 4.47 | 4.47 | 4.48 | 4.48 | 4.55 | 4.61 | 4.61 | 4.61 | 4.61 | 4.61 | 4.71 | 4.71 | 4.71 | 4.71 | 4.71 | 4.91 | 4.91 | 4.91 | 4.91 | 4.90 |
| | 110°F 43°C | TC | 31785 | 31830 | 32545 | 32755 | 34135 | 34034 | 34030 | 34037 | 34037 | 34232 | 35654 | 35650 | 35654 | 35656 | 35665 | 38781 | 38765 | 38764 | 38764 | 38762 |
| | | S/T | 0.80 | 0.91 | 1.00 | 1.00 | 1.00 | 0.64 | 0.75 | 0.84 | 0.86 | 0.96 | 0.54 | 0.65 | 0.73 | 0.75 | 0.85 | 0.39 | 0.47 | 0.55 | 0.56 | 0.66 |
| | | PI | 4.47 | 4.48 | 4.50 | 4.52 | 4.58 | 4.58 | 4.57 | 4.57 | 4.57 | 4.58 | 4.65 | 4.65 | 4.65 | 4.65 | 4.65 | 4.80 | 4.80 | 4.80 | 4.80 | 4.80 |
| | 115°F 46°C | TC | 27900 | 28007 | 28964 | 29153 | 30430 | 29927 | 29930 | 29934 | 29935 | 30475 | 31391 | 31388 | 31397 | 31399 | 31401 | 34211 | 34196 | 34194 | 34191 | 34206 |
| | | S/T | 0.83 | 0.95 | 1.00 | 1.00 | 1.00 | 0.66 | 0.77 | 0.87 | 0.89 | 1.00 | 0.55 | 0.66 | 0.75 | 0.77 | 0.88 | 0.39 | 0.47 | 0.56 | 0.57 | 0.67 |
| | | PI | 4.11 | 4.11 | 4.15 | 4.16 | 4.21 | 4.19 | 4.19 | 4.19 | 4.19 | 4.21 | 4.25 | 4.25 | 4.25 | 4.25 | 4.25 | 4.38 | 4.37 | 4.37 | 4.37 | 4.37 |
| | 122°F 50°C | TC | 22623 | 23600 | 24638 | 24816 | 26045 | 24398 | 24399 | 24612 | 24850 | 26080 | 25713 | 25721 | 25721 | 25721 | 26106 | 28258 | 28242 | 28261 | 28264 | 28270 |
| | | S/T | 0.93 | 1.00 | 1.00 | 1.00 | 1.00 | 0.72 | 0.86 | 0.99 | 1.00 | 1.00 | 0.59 | 0.73 | 0.84 | 0.86 | 1.00 | 0.39 | 0.50 | 0.61 | 0.62 | 0.75 |
| | | PI | 3.64 | 3.67 | 3.70 | 3.70 | 3.73 | 3.69 | 3.69 | 3.69 | 3.70 | 3.73 | 3.73 | 3.72 | 3.72 | 3.72 | 3.73 | 3.79 | 3.79 | 3.79 | 3.79 | 3.79 |

## Table 9 – 48K Cooling — 37MURA + 45MUAA (Continued)

| Airflow CFM | Out-door DB °F | ID WB °F | 60.8°F (16.0°C) | | | | | 64.4°F (16.0°C) | | | | | 67.0°F (19.4°C) | | | | | 71.6°F (22.0°C) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ID DB °F | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C |
| 1282 | -13°F 25°C | TC | 38401 | 38392 | 38385 | 38384 | 39172 | 40129 | 40118 | 40107 | 40105 | 40092 | 41355 | 41341 | 41327 | 41324 | 41306 | 43654 | 43642 | 43625 | 43624 | 43595 |
| | | S/T | 0.75 | 0.84 | 0.92 | 0.93 | 1.00 | 0.61 | 0.70 | 0.78 | 0.79 | 0.88 | 0.52 | 0.61 | 0.69 | 0.70 | 0.79 | 0.38 | 0.46 | 0.53 | 0.54 | 0.62 |
| | | PI | 1.74 | 1.74 | 1.74 | 1.74 | 1.73 | 1.73 | 1.73 | 1.73 | 1.73 | 1.73 | 1.72 | 1.72 | 1.72 | 1.72 | 1.72 | 1.72 | 1.72 | 1.72 | 1.72 | 1.72 |
| | -4°F 20°C | TC | 41355 | 41346 | 41337 | 41336 | 42185 | 43216 | 43204 | 43192 | 43190 | 43176 | 44536 | 44521 | 44506 | 44503 | 44483 | 47012 | 46999 | 46981 | 46979 | 46949 |
| | | S/T | 0.75 | 0.84 | 0.92 | 0.94 | 1.00 | 0.61 | 0.71 | 0.78 | 0.79 | 0.88 | 0.53 | 0.61 | 0.69 | 0.70 | 0.79 | 0.39 | 0.46 | 0.53 | 0.54 | 0.63 |
| | | PI | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.79 | 1.79 | 1.79 | 1.79 | 1.79 | 1.78 | 1.78 | 1.78 | 1.78 | 1.78 | 1.78 | 1.78 | 1.78 | 1.78 | 1.78 |
| | 0°F 17.8°C | TC | 42707 | 42694 | 42685 | 42683 | 43747 | 44611 | 44595 | 44578 | 44575 | 44556 | 45957 | 45939 | 45919 | 45915 | 45886 | 48459 | 48449 | 48444 | 48441 | 48447 |
| | | S/T | 0.75 | 0.85 | 0.93 | 0.95 | 1.00 | 0.62 | 0.71 | 0.79 | 0.80 | 0.90 | 0.53 | 0.62 | 0.70 | 0.71 | 0.80 | 0.39 | 0.46 | 0.53 | 0.55 | 0.63 |
| | | PI | 1.82 | 1.82 | 1.82 | 1.82 | 1.81 | 1.81 | 1.81 | 1.81 | 1.81 | 1.81 | 1.81 | 1.81 | 1.81 | 1.81 | 1.81 | 1.82 | 1.82 | 1.82 | 1.82 | 1.82 |
| | 5°F 15°C | TC | 44005 | 44009 | 44147 | 44209 | 45502 | 46148 | 46146 | 46152 | 46153 | 46208 | 47684 | 47682 | 47685 | 47687 | 47696 | 50615 | 50601 | 50602 | 50600 | 50603 |
| | | S/T | 0.76 | 0.86 | 0.94 | 0.96 | 1.00 | 0.62 | 0.72 | 0.80 | 0.81 | 0.90 | 0.53 | 0.62 | 0.70 | 0.72 | 0.81 | 0.39 | 0.46 | 0.54 | 0.55 | 0.64 |
| | | PI | 1.84 | 1.84 | 1.84 | 1.84 | 1.83 | 1.84 | 1.84 | 1.84 | 1.84 | 1.84 | 1.84 | 1.84 | 1.84 | 1.84 | 1.84 | 1.87 | 1.87 | 1.87 | 1.87 | 1.87 |
| | 14°F 10°C | TC | 44575 | 44565 | 44557 | 44555 | 45820 | 46852 | 46838 | 46825 | 46822 | 46807 | 48480 | 48464 | 48447 | 48443 | 48421 | 51574 | 51559 | 51538 | 51536 | 51503 |
| | | S/T | 0.75 | 0.85 | 0.93 | 0.95 | 1.00 | 0.62 | 0.71 | 0.79 | 0.80 | 0.89 | 0.53 | 0.62 | 0.69 | 0.71 | 0.79 | 0.39 | 0.46 | 0.53 | 0.54 | 0.63 |
| | | PI | 1.82 | 1.82 | 1.82 | 1.82 | 1.81 | 1.81 | 1.81 | 1.81 | 1.81 | 1.81 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 |
| | 17°F 10°C | TC | 44760 | 44746 | 44863 | 44925 | 46272 | 47046 | 47029 | 47040 | 47042 | 47092 | 48693 | 48693 | 48700 | 48704 | 48719 | 51888 | 51873 | 51878 | 51875 | 51886 |
| | | S/T | 0.76 | 0.86 | 0.94 | 0.96 | 1.00 | 0.62 | 0.72 | 0.80 | 0.81 | 0.90 | 0.53 | 0.62 | 0.70 | 0.71 | 0.80 | 0.39 | 0.46 | 0.53 | 0.55 | 0.63 |
| | | PI | 1.79 | 1.79 | 1.79 | 1.79 | 1.79 | 1.79 | 1.79 | 1.79 | 1.79 | 1.79 | 1.79 | 1.79 | 1.79 | 1.79 | 1.79 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 |
| | 23°F 5°C | TC | 43607 | 43611 | 43789 | 43866 | 45307 | 45895 | 45894 | 45902 | 45903 | 45977 | 47539 | 47538 | 47542 | 47545 | 47555 | 50689 | 50673 | 50676 | 50673 | 50681 |
| | | S/T | 0.77 | 0.87 | 0.95 | 0.97 | 1.00 | 0.62 | 0.72 | 0.80 | 0.82 | 0.91 | 0.53 | 0.63 | 0.71 | 0.72 | 0.81 | 0.39 | 0.46 | 0.54 | 0.55 | 0.64 |
| | | PI | 1.97 | 1.97 | 1.97 | 1.97 | 1.97 | 1.97 | 1.97 | 1.97 | 1.97 | 1.98 | 1.99 | 1.99 | 1.99 | 1.99 | 1.99 | 2.02 | 2.02 | 2.02 | 2.02 | 2.02 |
| | 35°F 1.7°C | TC | 41709 | 41706 | 41706 | 41706 | 42243 | 43782 | 43774 | 43771 | 43771 | 43773 | 45238 | 45234 | 45227 | 45226 | 45224 | 47957 | 47946 | 47936 | 47934 | 47932 |
| | | S/T | 0.73 | 0.81 | 0.89 | 0.90 | 1.00 | 0.60 | 0.68 | 0.76 | 0.77 | 0.85 | 0.52 | 0.60 | 0.67 | 0.68 | 0.76 | 0.39 | 0.47 | 0.52 | 0.53 | 0.60 |
| | | PI | 2.16 | 2.16 | 2.16 | 2.16 | 2.19 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.38 | 2.38 | 2.38 | 2.38 | 2.38 | 2.59 | 2.59 | 2.59 | 2.59 | 2.59 |
| | 41°F 5°C | TC | 40398 | 40494 | 40495 | 40507 | 41174 | 42498 | 42490 | 42486 | 42487 | 42488 | 43903 | 43899 | 43892 | 43891 | 43890 | 46525 | 46514 | 46505 | 46502 | 46499 |
| | | S/T | 0.74 | 0.82 | 0.90 | 0.91 | 1.00 | 0.60 | 0.69 | 0.76 | 0.78 | 0.86 | 0.52 | 0.60 | 0.67 | 0.69 | 0.77 | 0.39 | 0.45 | 0.52 | 0.53 | 0.61 |
| | | PI | 2.07 | 2.07 | 2.07 | 2.07 | 2.12 | 2.20 | 2.20 | 2.20 | 2.20 | 2.20 | 2.30 | 2.30 | 2.30 | 2.30 | 2.30 | 2.51 | 2.51 | 2.51 | 2.51 | 2.51 |
| | 47°F 8.3°C | TC | 39282 | 39280 | 39280 | 39318 | 40092 | 41210 | 41202 | 41199 | 41199 | 41200 | 42568 | 42563 | 42557 | 42556 | 42555 | 45097 | 45086 | 45077 | 45076 | 45072 |
| | | S/T | 0.74 | 0.83 | 0.91 | 0.92 | 1.00 | 0.61 | 0.70 | 0.77 | 0.78 | 0.87 | 0.52 | 0.61 | 0.68 | 0.69 | 0.78 | 0.39 | 0.45 | 0.52 | 0.53 | 0.62 |
| | | PI | 1.99 | 1.99 | 1.99 | 2.00 | 2.05 | 2.13 | 2.13 | 2.13 | 2.13 | 2.13 | 2.22 | 2.22 | 2.22 | 2.22 | 2.22 | 2.43 | 2.43 | 2.42 | 2.42 | 2.42 |
| | 50°F 10°C | TC | 38516 | 38679 | 39772 | 39997 | 41509 | 40802 | 40827 | 40838 | 40881 | 41561 | 42459 | 42483 | 42507 | 42511 | 42573 | 45621 | 45604 | 45657 | 45669 | 45731 |
| | | S/T | 0.83 | 0.95 | 1.00 | 1.00 | 1.00 | 0.66 | 0.78 | 0.87 | 0.88 | 1.00 | 0.55 | 0.66 | 0.76 | 0.77 | 0.88 | 0.39 | 0.48 | 0.56 | 0.58 | 0.68 |
| | | PI | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 |
| | 59°F 15°C | TC | 38199 | 38472 | 39831 | 40069 | 41662 | 40589 | 40608 | 40669 | 40707 | 41715 | 42317 | 42338 | 42359 | 42361 | 42465 | 45639 | 45620 | 45665 | 45674 | 45723 |
| | | S/T | 0.85 | 0.97 | 1.00 | 1.00 | 1.00 | 0.67 | 0.79 | 0.89 | 0.91 | 1.00 | 0.56 | 0.68 | 0.77 | 0.79 | 0.90 | 0.39 | 0.48 | 0.57 | 0.59 | 0.69 |
| | | PI | 2.43 | 2.43 | 2.44 | 2.44 | 2.45 | 2.44 | 2.44 | 2.44 | 2.44 | 2.45 | 2.45 | 2.45 | 2.45 | 2.45 | 2.45 | 2.47 | 2.47 | 2.47 | 2.47 | 2.47 |
| | 68°F 20°C | TC | 37903 | 38540 | 39941 | 40190 | 41858 | 40384 | 40399 | 40511 | 40560 | 41912 | 42174 | 42197 | 42210 | 42212 | 42376 | 45624 | 45605 | 45649 | 45657 | 45695 |
| | | S/T | 0.87 | 1.00 | 1.00 | 1.00 | 1.00 | 0.69 | 0.81 | 0.91 | 0.93 | 1.00 | 0.57 | 0.69 | 0.79 | 0.81 | 0.93 | 0.39 | 0.49 | 0.58 | 0.60 | 0.71 |
| | | PI | 2.58 | 2.59 | 2.60 | 2.60 | 2.62 | 2.61 | 2.61 | 2.61 | 2.61 | 2.62 | 2.62 | 2.62 | 2.62 | 2.62 | 2.62 | 2.66 | 2.66 | 2.66 | 2.66 | 2.65 |
| | 77°F 25°C | TC | 37546 | 38422 | 39894 | 40156 | 41912 | 40142 | 40161 | 40316 | 40381 | 41965 | 42005 | 42041 | 42062 | 42064 | 42281 | 45608 | 45586 | 45659 | 45670 | 45722 |
| | | S/T | 0.88 | 1.00 | 1.00 | 1.00 | 1.00 | 0.69 | 0.82 | 0.93 | 0.95 | 1.00 | 0.57 | 0.70 | 0.80 | 0.82 | 0.94 | 0.39 | 0.49 | 0.59 | 0.60 | 0.72 |
| | | PI | 2.76 | 2.76 | 2.78 | 2.78 | 2.79 | 2.78 | 2.78 | 2.78 | 2.78 | 2.79 | 2.80 | 2.79 | 2.79 | 2.79 | 2.80 | 2.82 | 2.82 | 2.82 | 2.82 | 2.82 |
| | 82°F 27.8°C | TC | 37730 | 38756 | 40282 | 40552 | 42371 | 40375 | 40398 | 40592 | 40672 | 42428 | 42295 | 42340 | 42362 | 42365 | 42632 | 46009 | 46018 | 46076 | 46089 | 46148 |
| | | S/T | 0.88 | 1.00 | 1.00 | 1.00 | 1.00 | 0.70 | 0.83 | 0.94 | 0.96 | 1.00 | 0.58 | 0.70 | 0.81 | 0.83 | 0.96 | 0.39 | 0.49 | 0.59 | 0.61 | 0.72 |
| | | PI | 3.08 | 3.09 | 3.11 | 3.11 | 3.12 | 3.11 | 3.11 | 3.11 | 3.11 | 3.12 | 3.12 | 3.12 | 3.12 | 3.12 | 3.12 | 3.16 | 3.16 | 3.15 | 3.15 | 3.15 |
| | 86°F 30°C | TC | 38328 | 39537 | 41123 | 41403 | 43291 | 41041 | 41061 | 41306 | 41416 | 43349 | 43021 | 43066 | 43087 | 43090 | 43423 | 46855 | 46858 | 46927 | 46939 | 46994 |
| | | S/T | 0.90 | 1.00 | 1.00 | 1.00 | 1.00 | 0.71 | 0.84 | 0.96 | 0.98 | 1.00 | 0.58 | 0.71 | 0.82 | 0.84 | 0.97 | 0.39 | 0.50 | 0.60 | 0.61 | 0.73 |
| | | PI | 3.63 | 3.64 | 3.66 | 3.66 | 3.68 | 3.66 | 3.66 | 3.66 | 3.66 | 3.68 | 3.68 | 3.68 | 3.68 | 3.68 | 3.68 | 3.73 | 3.73 | 3.72 | 3.72 | 3.72 |
| | 95°F 35°C | TC | 40200 | 40209 | 40430 | 40533 | 42204 | 42828 | 42823 | 42834 | 42836 | 42912 | 44718 | 44717 | 44716 | 44718 | 44738 | 48363 | 48346 | 48332 | 48354 | 48341 |
| | | S/T | 0.77 | 0.87 | 0.96 | 0.98 | 1.00 | 0.63 | 0.72 | 0.80 | 0.82 | 0.91 | 0.53 | 0.62 | 0.70 | 0.72 | 0.81 | 0.39 | 0.46 | 0.53 | 0.55 | 0.63 |
| | | PI | 4.69 | 4.69 | 4.70 | 4.70 | 4.79 | 4.83 | 4.83 | 4.83 | 4.83 | 4.84 | 4.94 | 4.94 | 4.94 | 4.94 | 4.94 | 5.15 | 5.14 | 5.14 | 5.15 | 5.14 |
| | 104°F 40°C | TC | 36236 | 36242 | 36614 | 36952 | 38408 | 38600 | 38598 | 38609 | 38610 | 38749 | 40306 | 40304 | 40307 | 40310 | 40326 | 43581 | 43565 | 43552 | 43565 | 43563 |
| | | S/T | 0.79 | 0.89 | 0.99 | 1.00 | 1.00 | 0.63 | 0.74 | 0.82 | 0.84 | 0.94 | 0.54 | 0.64 | 0.72 | 0.73 | 0.83 | 0.39 | 0.46 | 0.54 | 0.55 | 0.65 |
| | | PI | 4.59 | 4.59 | 4.61 | 4.63 | 4.72 | 4.73 | 4.73 | 4.73 | 4.73 | 4.74 | 4.84 | 4.84 | 4.84 | 4.84 | 4.84 | 5.04 | 5.04 | 5.03 | 5.03 | 5.03 |
| | 110°F 43°C | TC | 33637 | 33893 | 35200 | 35427 | 36938 | 35961 | 35974 | 36005 | 36038 | 36989 | 37648 | 37647 | 37661 | 37663 | 37729 | 40863 | 40851 | 40851 | 40854 | 40886 |
| | | S/T | 0.85 | 0.97 | 1.00 | 1.00 | 1.00 | 0.67 | 0.79 | 0.89 | 0.91 | 1.00 | 0.56 | 0.68 | 0.77 | 0.79 | 0.90 | 0.39 | 0.48 | 0.57 | 0.59 | 0.69 |
| | | PI | 4.59 | 4.61 | 4.66 | 4.67 | 4.74 | 4.70 | 4.70 | 4.70 | 4.70 | 4.74 | 4.78 | 4.77 | 4.77 | 4.77 | 4.78 | 4.93 | 4.93 | 4.93 | 4.93 | 4.93 |
| | 115°F 46°C | TC | 29523 | 30154 | 31332 | 31538 | 32932 | 31627 | 31638 | 31723 | 31768 | 32976 | 33146 | 33154 | 33165 | 33166 | 33290 | 36057 | 36041 | 36052 | 36060 | 36087 |
| | | S/T | 0.88 | 1.00 | 1.00 | 1.00 | 1.00 | 0.69 | 0.82 | 0.92 | 0.94 | 1.00 | 0.57 | 0.69 | 0.80 | 0.82 | 0.94 | 0.39 | 0.49 | 0.58 | 0.60 | 0.71 |
| | | PI | 4.21 | 4.24 | 4.29 | 4.30 | 4.35 | 4.30 | 4.30 | 4.31 | 4.31 | 4.36 | 4.37 | 4.37 | 4.37 | 4.37 | 4.37 | 4.49 | 4.49 | 4.49 | 4.49 | 4.49 |
| | 122°F 50°C | TC | 24114 | 25473 | 26600 | 26800 | 28139 | 25745 | 25810 | 26633 | 26834 | 28170 | 27120 | 27126 | 27170 | 27199 | 28198 | 29743 | 29753 | 29778 | 29779 | 29776 |
| | | S/T | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.76 | 0.92 | 1.00 | 1.00 | 1.00 | 0.62 | 0.77 | 0.89 | 0.92 | 1.00 | 0.40 | 0.52 | 0.64 | 0.66 | 0.79 |
| | | PI | 3.75 | 3.78 | 3.81 | 3.81 | 3.84 | 3.79 | 3.79 | 3.81 | 3.81 | 3.84 | 3.82 | 3.82 | 3.82 | 3.82 | 3.85 | 3.90 | 3.89 | 3.89 | 3.89 | 3.88 |

## Table 9 – 48K Cooling — 37MURA + 45MUAA (Continued)

| Airflow CFM | Out-door DB °F | ID WB °F | 60.8°F (16.0°C) | | | | | 64.4°F (16.0°C) | | | | | 67.0°F (19.4°C) | | | | | 71.6°F (22.0°C) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ID DB °F | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C |
| 1471 | -13°F 25°C | TC | 40650 | 40635 | 40624 | 40860 | 42063 | 42439 | 42416 | 42397 | 42394 | 42364 | 43706 | 43683 | 43654 | 43649 | 43619 | 46104 | 46092 | 46058 | 46047 | 45978 |
| | | S/T | 0.77 | 0.88 | 0.97 | 1.00 | 1.00 | 0.63 | 0.73 | 0.81 | 0.83 | 0.93 | 0.54 | 0.63 | 0.71 | 0.73 | 0.83 | 0.39 | 0.46 | 0.54 | 0.56 | 0.65 |
| | | PI | 1.80 | 1.80 | 1.80 | 1.80 | 1.79 | 1.79 | 1.79 | 1.79 | 1.79 | 1.79 | 1.78 | 1.78 | 1.78 | 1.78 | 1.78 | 1.79 | 1.79 | 1.79 | 1.79 | 1.79 |
| | -4°F 20°C | TC | 43776 | 43761 | 43749 | 44003 | 45298 | 45704 | 45679 | 45658 | 45655 | 45623 | 47068 | 47043 | 47012 | 47007 | 46974 | 49651 | 49638 | 49601 | 49589 | 49515 |
| | | S/T | 0.78 | 0.88 | 0.97 | 1.00 | 1.00 | 0.63 | 0.73 | 0.82 | 0.83 | 0.93 | 0.54 | 0.64 | 0.72 | 0.73 | 0.83 | 0.39 | 0.47 | 0.55 | 0.56 | 0.65 |
| | | PI | 1.86 | 1.86 | 1.86 | 1.86 | 1.85 | 1.85 | 1.85 | 1.85 | 1.85 | 1.85 | 1.85 | 1.85 | 1.85 | 1.85 | 1.85 | 1.85 | 1.85 | 1.85 | 1.85 | 1.85 |
| | 0°F 17.8°C | TC | 45221 | 45202 | 45376 | 45722 | 46988 | 47193 | 47157 | 47130 | 47125 | 47117 | 48577 | 48549 | 48505 | 48498 | 48455 | 51195 | 51180 | 51182 | 51188 | 51226 |
| | | S/T | 0.78 | 0.89 | 0.99 | 1.00 | 1.00 | 0.64 | 0.74 | 0.83 | 0.84 | 0.95 | 0.54 | 0.64 | 0.73 | 0.74 | 0.84 | 0.39 | 0.47 | 0.55 | 0.57 | 0.66 |
| | | PI | 1.88 | 1.88 | 1.88 | 1.88 | 1.87 | 1.87 | 1.87 | 1.87 | 1.87 | 1.87 | 1.87 | 1.87 | 1.87 | 1.87 | 1.87 | 1.89 | 1.89 | 1.89 | 1.89 | 1.89 |
| | 5°F 15°C | TC | 46551 | 46593 | 47221 | 47438 | 48888 | 48765 | 48775 | 48780 | 48781 | 49021 | 50361 | 50357 | 50370 | 50371 | 50378 | 53370 | 53354 | 53355 | 53359 | 53388 |
| | | S/T | 0.79 | 0.90 | 1.00 | 1.00 | 1.00 | 0.64 | 0.75 | 0.84 | 0.85 | 0.96 | 0.54 | 0.65 | 0.73 | 0.75 | 0.85 | 0.39 | 0.47 | 0.55 | 0.57 | 0.66 |
| | | PI | 1.89 | 1.89 | 1.89 | 1.89 | 1.90 | 1.90 | 1.90 | 1.90 | 1.90 | 1.90 | 1.91 | 1.91 | 1.91 | 1.91 | 1.91 | 1.95 | 1.95 | 1.95 | 1.95 | 1.95 |
| | 14°F 10°C | TC | 47159 | 47142 | 47337 | 47751 | 49233 | 49527 | 49499 | 49475 | 49471 | 49445 | 51238 | 51214 | 51175 | 51168 | 51125 | 54460 | 54444 | 54404 | 54392 | 54309 |
| | | S/T | 0.78 | 0.89 | 0.99 | 1.00 | 1.00 | 0.64 | 0.74 | 0.82 | 0.84 | 0.94 | 0.54 | 0.64 | 0.72 | 0.74 | 0.83 | 0.39 | 0.47 | 0.55 | 0.56 | 0.65 |
| | | PI | 1.88 | 1.88 | 1.88 | 1.88 | 1.87 | 1.87 | 1.87 | 1.87 | 1.87 | 1.87 | 1.87 | 1.87 | 1.87 | 1.87 | 1.87 | 1.87 | 1.87 | 1.87 | 1.87 | 1.87 |
| | 17°F 10°C | TC | 47421 | 47433 | 48014 | 48291 | 49845 | 49802 | 49806 | 49816 | 49818 | 50054 | 51390 | 51410 | 51443 | 51445 | 51458 | 54808 | 54791 | 54797 | 54807 | 54858 |
| | | S/T | 0.79 | 0.89 | 1.00 | 1.00 | 1.00 | 0.64 | 0.74 | 0.83 | 0.85 | 0.95 | 0.55 | 0.65 | 0.73 | 0.75 | 0.85 | 0.39 | 0.47 | 0.55 | 0.57 | 0.66 |
| | | PI | 1.86 | 1.86 | 1.85 | 1.85 | 1.85 | 1.85 | 1.85 | 1.85 | 1.85 | 1.85 | 1.85 | 1.85 | 1.85 | 1.85 | 1.85 | 1.87 | 1.87 | 1.87 | 1.87 | 1.87 |
| | 23°F 5°C | TC | 46128 | 46192 | 46944 | 47174 | 48716 | 48496 | 48508 | 48514 | 48516 | 48803 | 50206 | 50204 | 50220 | 50222 | 50230 | 53442 | 53426 | 53428 | 53435 | 53472 |
| | | S/T | 0.80 | 0.91 | 1.00 | 1.00 | 1.00 | 0.65 | 0.75 | 0.84 | 0.86 | 0.97 | 0.54 | 0.65 | 0.74 | 0.75 | 0.85 | 0.39 | 0.47 | 0.56 | 0.57 | 0.66 |
| | | PI | 2.03 | 2.03 | 2.04 | 2.04 | 2.05 | 2.04 | 2.04 | 2.04 | 2.04 | 2.05 | 2.06 | 2.06 | 2.06 | 2.06 | 2.06 | 2.09 | 2.09 | 2.09 | 2.09 | 2.09 |
| | 35°F 1.7°C | TC | 44175 | 44176 | 44261 | 44311 | 45450 | 46294 | 46288 | 46289 | 46291 | 46292 | 47782 | 47778 | 47773 | 47773 | 47779 | 50549 | 50537 | 50526 | 50534 | 50525 |
| | | S/T | 0.75 | 0.85 | 0.93 | 0.94 | 1.00 | 0.62 | 0.71 | 0.79 | 0.80 | 0.89 | 0.53 | 0.62 | 0.69 | 0.71 | 0.80 | 0.39 | 0.46 | 0.53 | 0.54 | 0.63 |
| | | PI | 2.23 | 2.23 | 2.24 | 2.24 | 2.31 | 2.37 | 2.37 | 2.37 | 2.37 | 2.37 | 2.47 | 2.47 | 2.47 | 2.47 | 2.47 | 2.68 | 2.68 | 2.68 | 2.68 | 2.68 |
| | 41°F 5°C | TC | 42887 | 42888 | 43007 | 43065 | 44287 | 44935 | 44929 | 44931 | 44931 | 44971 | 46372 | 46367 | 46363 | 46364 | 46369 | 49042 | 49030 | 49020 | 49025 | 49018 |
| | | S/T | 0.76 | 0.86 | 0.94 | 0.96 | 1.00 | 0.62 | 0.72 | 0.80 | 0.81 | 0.90 | 0.53 | 0.62 | 0.70 | 0.71 | 0.81 | 0.39 | 0.46 | 0.53 | 0.55 | 0.64 |
| | | PI | 2.15 | 2.15 | 2.16 | 2.16 | 2.24 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.39 | 2.39 | 2.38 | 2.38 | 2.39 | 2.60 | 2.60 | 2.60 | 2.60 | 2.60 |
| | 47°F 8.3°C | TC | 41595 | 41595 | 41755 | 41828 | 43115 | 43574 | 43568 | 43569 | 43569 | 43635 | 44962 | 44957 | 44953 | 44954 | 44957 | 47542 | 47530 | 47526 | 47525 | 47518 |
| | | S/T | 0.77 | 0.87 | 0.95 | 0.97 | 1.00 | 0.63 | 0.72 | 0.81 | 0.82 | 0.91 | 0.53 | 0.63 | 0.71 | 0.72 | 0.82 | 0.39 | 0.46 | 0.54 | 0.55 | 0.64 |
| | | PI | 2.06 | 2.06 | 2.08 | 2.08 | 2.17 | 2.20 | 2.20 | 2.20 | 2.20 | 2.20 | 2.30 | 2.30 | 2.30 | 2.30 | 2.30 | 2.51 | 2.51 | 2.51 | 2.51 | 2.51 |
| | 50°F 10°C | TC | 40726 | 41392 | 42775 | 43020 | 44668 | 43119 | 43145 | 43285 | 43340 | 44720 | 44817 | 44875 | 44901 | 44904 | 45107 | 48046 | 48069 | 48186 | 48199 | 48263 |
| | | S/T | 0.87 | 1.00 | 1.00 | 1.00 | 1.00 | 0.69 | 0.81 | 0.92 | 0.94 | 1.00 | 0.57 | 0.69 | 0.80 | 0.81 | 0.93 | 0.39 | 0.49 | 0.58 | 0.60 | 0.71 |
| | | PI | 2.36 | 2.36 | 2.36 | 2.36 | 2.36 | 2.36 | 2.36 | 2.36 | 2.36 | 2.36 | 2.36 | 2.36 | 2.36 | 2.36 | 2.36 | 2.36 | 2.36 | 2.36 | 2.36 | 2.36 |
| | 59°F 15°C | TC | 40430 | 41403 | 42860 | 43118 | 44853 | 42897 | 42916 | 43129 | 43212 | 44905 | 44678 | 44726 | 44744 | 44746 | 45042 | 48090 | 48103 | 48197 | 48208 | 48255 |
| | | S/T | 0.88 | 1.00 | 1.00 | 1.00 | 1.00 | 0.70 | 0.83 | 0.94 | 0.97 | 1.00 | 0.58 | 0.71 | 0.81 | 0.83 | 0.96 | 0.39 | 0.50 | 0.59 | 0.61 | 0.73 |
| | | PI | 2.52 | 2.52 | 2.53 | 2.53 | 2.54 | 2.53 | 2.53 | 2.53 | 2.53 | 2.54 | 2.54 | 2.54 | 2.54 | 2.54 | 2.54 | 2.56 | 2.56 | 2.56 | 2.55 | 2.55 |
| | 68°F 20°C | TC | 40170 | 41466 | 42991 | 43262 | 45082 | 42681 | 42694 | 43028 | 43309 | 45132 | 44538 | 44575 | 44587 | 44588 | 45096 | 48092 | 48107 | 48185 | 48193 | 48228 |
| | | S/T | 0.91 | 1.00 | 1.00 | 1.00 | 1.00 | 0.72 | 0.85 | 0.97 | 1.00 | 1.00 | 0.59 | 0.72 | 0.84 | 0.86 | 0.99 | 0.40 | 0.50 | 0.61 | 0.62 | 0.75 |
| | | PI | 2.68 | 2.69 | 2.70 | 2.70 | 2.72 | 2.70 | 2.70 | 2.70 | 2.71 | 2.72 | 2.72 | 2.72 | 2.72 | 2.72 | 2.72 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 |
| | 77°F 25°C | TC | 39832 | 41358 | 42962 | 43247 | 45159 | 42422 | 42442 | 42930 | 43298 | 45212 | 44359 | 44410 | 44430 | 44482 | 45252 | 48043 | 48086 | 48194 | 48206 | 48258 |
| | | S/T | 0.92 | 1.00 | 1.00 | 1.00 | 1.00 | 0.72 | 0.87 | 0.99 | 1.00 | 1.00 | 0.59 | 0.73 | 0.85 | 0.86 | 1.00 | 0.40 | 0.51 | 0.61 | 0.63 | 0.76 |
| | | PI | 2.86 | 2.87 | 2.88 | 2.89 | 2.90 | 2.88 | 2.88 | 2.88 | 2.89 | 2.90 | 2.90 | 2.90 | 2.90 | 2.90 | 2.90 | 2.93 | 2.93 | 2.93 | 2.93 | 2.92 |
| | 82°F 27.8°C | TC | 40027 | 41725 | 43388 | 43683 | 45670 | 42670 | 42739 | 43440 | 43736 | 45721 | 44666 | 44725 | 44748 | 44818 | 45763 | 48448 | 48510 | 48631 | 48645 | 48703 |
| | | S/T | 0.94 | 1.00 | 1.00 | 1.00 | 1.00 | 0.73 | 0.87 | 1.00 | 1.00 | 1.00 | 0.60 | 0.74 | 0.86 | 0.87 | 1.00 | 0.40 | 0.51 | 0.62 | 0.63 | 0.76 |
| | | PI | 3.20 | 3.21 | 3.23 | 3.23 | 3.24 | 3.22 | 3.22 | 3.23 | 3.23 | 3.24 | 3.24 | 3.24 | 3.24 | 3.24 | 3.24 | 3.27 | 3.27 | 3.27 | 3.27 | 3.27 |
| | 86°F 30°C | TC | 40638 | 42520 | 44245 | 44550 | 46626 | 43321 | 43411 | 44298 | 44603 | 46663 | 45388 | 45441 | 45513 | 45554 | 46706 | 49289 | 49360 | 49476 | 49488 | 49540 |
| | | S/T | 0.95 | 1.00 | 1.00 | 1.00 | 1.00 | 0.74 | 0.88 | 1.00 | 1.00 | 1.00 | 0.60 | 0.75 | 0.86 | 0.88 | 1.00 | 0.40 | 0.51 | 0.62 | 0.64 | 0.77 |
| | | PI | 3.76 | 3.78 | 3.80 | 3.80 | 3.83 | 3.79 | 3.79 | 3.80 | 3.81 | 3.83 | 3.82 | 3.82 | 3.81 | 3.82 | 3.83 | 3.86 | 3.86 | 3.86 | 3.86 | 3.85 |
| | 95°F 35°C | TC | 42531 | 42607 | 43521 | 43778 | 45494 | 45251 | 45262 | 45278 | 45280 | 45587 | 47205 | 47210 | 47234 | 47238 | 47259 | 50959 | 50941 | 50946 | 50944 | 50982 |
| | | S/T | 0.80 | 0.91 | 1.00 | 1.00 | 1.00 | 0.65 | 0.75 | 0.84 | 0.86 | 0.96 | 0.54 | 0.65 | 0.73 | 0.75 | 0.85 | 0.39 | 0.47 | 0.55 | 0.56 | 0.66 |
| | | PI | 4.86 | 4.86 | 4.91 | 4.92 | 5.02 | 5.01 | 5.01 | 5.01 | 5.01 | 5.02 | 5.12 | 5.12 | 5.12 | 5.12 | 5.12 | 5.33 | 5.33 | 5.33 | 5.33 | 5.33 |
| | 104°F 40°C | TC | 38331 | 38468 | 39577 | 39810 | 41389 | 40784 | 40798 | 40808 | 40810 | 41348 | 42547 | 42554 | 42576 | 42580 | 42593 | 45928 | 45911 | 45921 | 45912 | 45956 |
| | | S/T | 0.82 | 0.94 | 1.00 | 1.00 | 1.00 | 0.66 | 0.77 | 0.86 | 0.88 | 1.00 | 0.55 | 0.66 | 0.75 | 0.77 | 0.87 | 0.39 | 0.47 | 0.56 | 0.58 | 0.67 |
| | | PI | 4.76 | 4.77 | 4.83 | 4.85 | 4.94 | 4.90 | 4.90 | 4.90 | 4.90 | 4.94 | 5.01 | 5.01 | 5.01 | 5.01 | 5.01 | 5.22 | 5.22 | 5.22 | 5.22 | 5.22 |
| | 110°F 43°C | TC | 35580 | 36543 | 37929 | 38175 | 39814 | 38009 | 38023 | 38188 | 38262 | 39858 | 39746 | 39769 | 39782 | 39783 | 40015 | 43082 | 43064 | 43107 | 43114 | 43146 |
| | | S/T | 0.89 | 1.00 | 1.00 | 1.00 | 1.00 | 0.70 | 0.83 | 0.94 | 0.96 | 1.00 | 0.58 | 0.70 | 0.81 | 0.83 | 0.96 | 0.39 | 0.49 | 0.59 | 0.61 | 0.73 |
| | | PI | 4.75 | 4.80 | 4.86 | 4.87 | 4.95 | 4.87 | 4.87 | 4.87 | 4.88 | 4.95 | 4.95 | 4.95 | 4.95 | 4.95 | 4.96 | 5.11 | 5.11 | 5.11 | 5.11 | 5.10 |
| | 115°F 46°C | TC | 31268 | 32446 | 33721 | 33947 | 35460 | 33398 | 33406 | 33697 | 33990 | 35501 | 34991 | 35023 | 35032 | 35033 | 35533 | 37975 | 37957 | 38016 | 38022 | 38041 |
| | | S/T | 0.92 | 1.00 | 1.00 | 1.00 | 1.00 | 0.72 | 0.86 | 0.98 | 1.00 | 1.00 | 0.59 | 0.73 | 0.84 | 0.86 | 1.00 | 0.40 | 0.50 | 0.61 | 0.63 | 0.75 |
| | | PI | 4.36 | 4.40 | 4.46 | 4.47 | 4.53 | 4.44 | 4.44 | 4.46 | 4.47 | 4.53 | 4.52 | 4.52 | 4.52 | 4.52 | 4.53 | 4.64 | 4.64 | 4.64 | 4.64 | 4.64 |
| | 122°F 50°C | TC | 25912 | 27332 | 28548 | 28764 | 30209 | 27113 | 27325 | 28580 | 28797 | 30240 | 28552 | 28550 | 28700 | 28785 | 30266 | 31248 | 31309 | 31326 | 31325 | 31308 |
| | | S/T | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.80 | 0.98 | 1.00 | 1.00 | 1.00 | 0.64 | 0.81 | 0.95 | 0.98 | 1.00 | 0.41 | 0.54 | 0.67 | 0.69 | 0.84 |
| | | PI | 3.89 | 3.93 | 3.96 | 3.96 | 3.99 | 3.92 | 3.93 | 3.96 | 3.96 | 3.99 | 3.96 | 3.96 | 3.96 | 3.96 | 4.00 | 4.04 | 4.03 | 4.03 | 4.03 | 4.02 |

Table 9 – 48K Cooling — **37MURA + 45MUAA (Continued)**

| Airflow CFM | Out-door DB °F | ID WB °F | 60.8°F (16.0°C) | | | | | 64.4°F (16.0°C) | | | | | 67.0°F (19.4°C) | | | | | 71.6°F (22.0°C) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ID DB °F | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C |
| 1600 | -13°F 25°C | TC | 43008 | 42988 | 43602 | 43782 | 44987 | 44873 | 44836 | 44807 | 44803 | 44766 | 46214 | 46156 | 46112 | 46106 | 46062 | 48747 | 48734 | 48634 | 48616 | 48513 |
| | | S/T | 0.80 | 0.91 | 1.00 | 1.00 | 1.00 | 0.65 | 0.75 | 0.85 | 0.86 | 0.97 | 0.55 | 0.65 | 0.74 | 0.76 | 0.86 | 0.39 | 0.47 | 0.56 | 0.57 | 0.67 |
| | | PI | 1.88 | 1.88 | 1.87 | 1.87 | 1.87 | 1.87 | 1.87 | 1.87 | 1.87 | 1.87 | 1.86 | 1.86 | 1.86 | 1.86 | 1.87 | 1.88 | 1.87 | 1.88 | 1.88 | 1.88 |
| | -4°F 20°C | TC | 46316 | 46295 | 46956 | 47150 | 48448 | 48324 | 48285 | 48254 | 48250 | 48210 | 49769 | 49707 | 49660 | 49653 | 49605 | 52497 | 52483 | 52375 | 52355 | 52245 |
| | | S/T | 0.80 | 0.92 | 1.00 | 1.00 | 1.00 | 0.65 | 0.76 | 0.85 | 0.87 | 0.98 | 0.55 | 0.65 | 0.74 | 0.76 | 0.86 | 0.39 | 0.48 | 0.56 | 0.57 | 0.67 |
| | | PI | 1.94 | 1.94 | 1.94 | 1.94 | 1.93 | 1.93 | 1.93 | 1.93 | 1.93 | 1.93 | 1.93 | 1.93 | 1.93 | 1.93 | 1.93 | 1.94 | 1.94 | 1.94 | 1.94 | 1.94 |
| | 0°F 17.8°C | TC | 47854 | 47825 | 48713 | 48916 | 50259 | 49906 | 49851 | 49812 | 49806 | 50307 | 51373 | 51300 | 51236 | 51229 | 51204 | 54136 | 54123 | 54118 | 54126 | 54161 |
| | | S/T | 0.81 | 0.93 | 1.00 | 1.00 | 1.00 | 0.66 | 0.77 | 0.86 | 0.88 | 1.00 | 0.55 | 0.66 | 0.75 | 0.77 | 0.87 | 0.39 | 0.48 | 0.57 | 0.58 | 0.68 |
| | | PI | 1.96 | 1.96 | 1.96 | 1.96 | 1.96 | 1.96 | 1.96 | 1.96 | 1.96 | 1.96 | 1.96 | 1.96 | 1.96 | 1.96 | 1.96 | 1.98 | 1.98 | 1.98 | 1.98 | 1.98 |
| | 5°F 15°C | TC | 49226 | 49395 | 50524 | 50757 | 52321 | 51534 | 51547 | 51551 | 51604 | 52373 | 53182 | 53196 | 53207 | 53208 | 53279 | 56302 | 56284 | 56314 | 56320 | 56345 |
| | | S/T | 0.82 | 0.94 | 1.00 | 1.00 | 1.00 | 0.66 | 0.78 | 0.87 | 0.88 | 1.00 | 0.56 | 0.67 | 0.76 | 0.78 | 0.88 | 0.39 | 0.48 | 0.57 | 0.59 | 0.69 |
| | | PI | 1.97 | 1.97 | 1.98 | 1.98 | 1.99 | 1.98 | 1.98 | 1.98 | 1.98 | 1.99 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.04 | 2.04 | 2.04 | 2.04 | 2.04 |
| | 14°F 10°C | TC | 49907 | 49882 | 50900 | 51139 | 52724 | 52385 | 52338 | 52303 | 52297 | 52786 | 54179 | 54111 | 54056 | 54048 | 53993 | 57610 | 57592 | 57481 | 57462 | 57339 |
| | | S/T | 0.81 | 0.93 | 1.00 | 1.00 | 1.00 | 0.65 | 0.76 | 0.86 | 0.87 | 1.00 | 0.55 | 0.66 | 0.75 | 0.76 | 0.87 | 0.39 | 0.48 | 0.56 | 0.57 | 0.67 |
| | | PI | 1.96 | 1.96 | 1.96 | 1.96 | 1.95 | 1.95 | 1.95 | 1.95 | 1.95 | 1.95 | 1.95 | 1.95 | 1.95 | 1.95 | 1.95 | 1.96 | 1.96 | 1.96 | 1.96 | 1.96 |
| | 17°F 10°C | TC | 50016 | 50179 | 51339 | 51589 | 53265 | 52506 | 52527 | 52537 | 52581 | 53322 | 54297 | 54318 | 54340 | 54342 | 54409 | 57747 | 57731 | 57722 | 57733 | 57781 |
| | | S/T | 0.82 | 0.93 | 1.00 | 1.00 | 1.00 | 0.66 | 0.77 | 0.87 | 0.88 | 1.00 | 0.55 | 0.66 | 0.76 | 0.77 | 0.87 | 0.39 | 0.48 | 0.57 | 0.58 | 0.68 |
| | | PI | 1.94 | 1.94 | 1.94 | 1.94 | 1.94 | 1.93 | 1.93 | 1.94 | 1.94 | 1.94 | 1.94 | 1.94 | 1.94 | 1.94 | 1.94 | 1.95 | 1.95 | 1.95 | 1.95 | 1.95 |
| | 23°F 5°C | TC | 48778 | 48988 | 50255 | 50503 | 52167 | 51248 | 51263 | 51269 | 51336 | 52224 | 53016 | 53034 | 53048 | 53049 | 53135 | 56372 | 56354 | 56394 | 56402 | 56434 |
| | | S/T | 0.83 | 0.95 | 1.00 | 1.00 | 1.00 | 0.66 | 0.78 | 0.88 | 0.89 | 1.00 | 0.56 | 0.67 | 0.76 | 0.78 | 0.89 | 0.39 | 0.48 | 0.57 | 0.59 | 0.69 |
| | | PI | 2.12 | 2.12 | 2.13 | 2.13 | 2.14 | 2.14 | 2.14 | 2.14 | 2.14 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.19 | 2.19 | 2.19 | 2.19 | 2.19 |
| | 35°F 1.7°C | TC | 46747 | 46749 | 47024 | 47155 | 48676 | 48932 | 48931 | 48935 | 48935 | 49065 | 50464 | 50461 | 50463 | 50465 | 50470 | 53306 | 53293 | 53291 | 53288 | 53293 |
| | | S/T | 0.78 | 0.88 | 0.97 | 0.99 | 1.00 | 0.63 | 0.73 | 0.82 | 0.83 | 0.93 | 0.54 | 0.63 | 0.72 | 0.73 | 0.83 | 0.39 | 0.46 | 0.54 | 0.56 | 0.65 |
| | | PI | 2.33 | 2.33 | 2.35 | 2.36 | 2.46 | 2.47 | 2.47 | 2.47 | 2.47 | 2.48 | 2.58 | 2.58 | 2.58 | 2.58 | 2.58 | 2.81 | 2.81 | 2.81 | 2.80 | 2.81 |
| | 41°F 5°C | TC | 45382 | 45383 | 45744 | 46062 | 47424 | 47493 | 47492 | 47494 | 47494 | 47661 | 48975 | 48971 | 48974 | 48975 | 48978 | 51723 | 51710 | 51707 | 51704 | 51710 |
| | | S/T | 0.78 | 0.89 | 0.98 | 1.00 | 1.00 | 0.64 | 0.74 | 0.83 | 0.84 | 0.94 | 0.54 | 0.64 | 0.72 | 0.74 | 0.84 | 0.39 | 0.47 | 0.55 | 0.56 | 0.66 |
| | | PI | 2.24 | 2.24 | 2.27 | 2.29 | 2.38 | 2.39 | 2.39 | 2.39 | 2.39 | 2.40 | 2.49 | 2.49 | 2.49 | 2.50 | 2.50 | 2.72 | 2.72 | 2.72 | 2.72 | 2.72 |
| | 47°F 8.3°C | TC | 44015 | 44044 | 44634 | 44834 | 46160 | 46055 | 46054 | 46055 | 46054 | 46268 | 47486 | 47481 | 47485 | 47484 | 47484 | 50144 | 50132 | 50127 | 50125 | 50130 |
| | | S/T | 0.79 | 0.90 | 1.00 | 1.00 | 1.00 | 0.64 | 0.75 | 0.84 | 0.85 | 0.96 | 0.54 | 0.65 | 0.73 | 0.75 | 0.85 | 0.39 | 0.47 | 0.55 | 0.57 | 0.67 |
| | | PI | 2.16 | 2.16 | 2.20 | 2.22 | 2.31 | 2.30 | 2.30 | 2.30 | 2.30 | 2.32 | 2.41 | 2.41 | 2.41 | 2.41 | 2.41 | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 |
| | 50°F 10°C | TC | 43131 | 44318 | 45814 | 46079 | 47865 | 45566 | 45591 | 45906 | 46050 | 47911 | 47343 | 47405 | 47430 | 47432 | 47888 | 50606 | 50740 | 50870 | 50886 | 50949 |
| | | S/T | 0.90 | 1.00 | 1.00 | 1.00 | 1.00 | 0.71 | 0.85 | 0.96 | 0.99 | 1.00 | 0.59 | 0.72 | 0.83 | 0.85 | 0.99 | 0.40 | 0.50 | 0.60 | 0.62 | 0.74 |
| | | PI | 2.47 | 2.47 | 2.47 | 2.47 | 2.47 | 2.47 | 2.47 | 2.47 | 2.47 | 2.47 | 2.47 | 2.47 | 2.47 | 2.47 | 2.47 | 2.47 | 2.47 | 2.47 | 2.47 | 2.47 |
| | 59°F 15°C | TC | 42843 | 44346 | 45920 | 46199 | 48079 | 45330 | 45392 | 45907 | 46249 | 48127 | 47200 | 47248 | 47264 | 47333 | 48166 | 50683 | 50784 | 50886 | 50897 | 50940 |
| | | S/T | 0.92 | 1.00 | 1.00 | 1.00 | 1.00 | 0.73 | 0.86 | 1.00 | 1.00 | 1.00 | 0.60 | 0.73 | 0.85 | 0.86 | 1.00 | 0.40 | 0.51 | 0.61 | 0.63 | 0.76 |
| | | PI | 2.64 | 2.64 | 2.65 | 2.65 | 2.66 | 2.65 | 2.65 | 2.65 | 2.65 | 2.66 | 2.66 | 2.66 | 2.66 | 2.66 | 2.66 | 2.68 | 2.67 | 2.67 | 2.67 | 2.67 |
| | 68°F 20°C | TC | 42536 | 44352 | 45997 | 46289 | 48253 | 45031 | 45133 | 46047 | 46339 | 48301 | 46978 | 47014 | 47098 | 47139 | 48341 | 50619 | 50713 | 50793 | 50801 | 50827 |
| | | S/T | 0.95 | 1.00 | 1.00 | 1.00 | 1.00 | 0.74 | 0.89 | 1.00 | 1.00 | 1.00 | 0.61 | 0.75 | 0.87 | 0.89 | 1.00 | 0.40 | 0.51 | 0.63 | 0.65 | 0.78 |
| | | PI | 2.80 | 2.82 | 2.83 | 2.84 | 2.85 | 2.82 | 2.83 | 2.83 | 2.84 | 2.85 | 2.84 | 2.84 | 2.84 | 2.84 | 2.85 | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 |
| | 77°F 25°C | TC | 42197 | 44229 | 45960 | 46266 | 48333 | 44734 | 44876 | 46010 | 46317 | 48382 | 46760 | 46813 | 46932 | 46985 | 48422 | 50503 | 50656 | 50773 | 50786 | 50833 |
| | | S/T | 0.97 | 1.00 | 1.00 | 1.00 | 1.00 | 0.75 | 0.90 | 1.00 | 1.00 | 1.00 | 0.61 | 0.76 | 0.88 | 0.90 | 1.00 | 0.40 | 0.52 | 0.63 | 0.65 | 0.79 |
| | | PI | 2.99 | 3.01 | 3.02 | 3.02 | 3.04 | 3.01 | 3.01 | 3.02 | 3.02 | 3.04 | 3.03 | 3.03 | 3.03 | 3.03 | 3.04 | 3.07 | 3.06 | 3.06 | 3.06 | 3.06 |
| | 82°F 27.8°C | TC | 42437 | 44603 | 46402 | 46717 | 48856 | 44970 | 45144 | 46443 | 46769 | 48907 | 47062 | 47121 | 47268 | 47326 | 48950 | 50884 | 51075 | 51208 | 51222 | 51277 |
| | | S/T | 0.99 | 1.00 | 1.00 | 1.00 | 1.00 | 0.76 | 0.91 | 1.00 | 1.00 | 1.00 | 0.62 | 0.77 | 0.89 | 0.92 | 1.00 | 0.40 | 0.52 | 0.64 | 0.66 | 0.80 |
| | | PI | 3.35 | 3.36 | 3.38 | 3.38 | 3.40 | 3.37 | 3.37 | 3.38 | 3.38 | 3.40 | 3.39 | 3.39 | 3.39 | 3.39 | 3.40 | 3.43 | 3.42 | 3.42 | 3.42 | 3.42 |
| | 86°F 30°C | TC | 43316 | 45478 | 47338 | 47668 | 49888 | 45681 | 45890 | 47391 | 47723 | 49940 | 47845 | 47900 | 48076 | 48145 | 49983 | 51798 | 51998 | 52121 | 52134 | 52182 |
| | | S/T | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.77 | 0.93 | 1.00 | 1.00 | 1.00 | 0.62 | 0.78 | 0.91 | 0.93 | 1.00 | 0.40 | 0.52 | 0.64 | 0.66 | 0.81 |
| | | PI | 3.94 | 3.96 | 3.98 | 3.99 | 4.01 | 3.97 | 3.97 | 3.98 | 3.99 | 4.01 | 3.99 | 3.99 | 3.99 | 3.99 | 4.01 | 4.05 | 4.04 | 4.03 | 4.03 | 4.03 |
| | 95°F 35°C | TC | 44977 | 45220 | 46681 | 46958 | 48814 | 47801 | 47829 | 47844 | 47901 | 48875 | 49852 | 49863 | 49894 | 49898 | 49981 | 53718 | 53698 | 53709 | 53724 | 53796 |
| | | S/T | 0.83 | 0.95 | 1.00 | 1.00 | 1.00 | 0.66 | 0.78 | 0.88 | 0.89 | 1.00 | 0.56 | 0.67 | 0.76 | 0.78 | 0.88 | 0.39 | 0.48 | 0.57 | 0.58 | 0.68 |
| | | PI | 5.08 | 5.09 | 5.17 | 5.18 | 5.29 | 5.23 | 5.23 | 5.23 | 5.24 | 5.29 | 5.35 | 5.35 | 5.35 | 5.35 | 5.36 | 5.57 | 5.57 | 5.57 | 5.57 | 5.57 |
| | 104°F 40°C | TC | 40540 | 40911 | 42451 | 42706 | 44409 | 43094 | 43118 | 43194 | 43240 | 44464 | 44933 | 44951 | 44974 | 44976 | 45104 | 48430 | 48412 | 48434 | 48451 | 48502 |
| | | S/T | 0.85 | 0.98 | 1.00 | 1.00 | 1.00 | 0.68 | 0.80 | 0.90 | 0.92 | 1.00 | 0.56 | 0.68 | 0.78 | 0.80 | 0.91 | 0.39 | 0.48 | 0.58 | 0.59 | 0.70 |
| | | PI | 4.98 | 5.00 | 5.09 | 5.10 | 5.21 | 5.13 | 5.13 | 5.14 | 5.14 | 5.21 | 5.24 | 5.24 | 5.24 | 5.24 | 5.25 | 5.46 | 5.46 | 5.45 | 5.46 | 5.46 |
| | 110°F 43°C | TC | 37732 | 39181 | 40676 | 40940 | 42713 | 40171 | 40183 | 40632 | 40987 | 42758 | 41979 | 42012 | 42022 | 42054 | 42795 | 45437 | 45440 | 45511 | 45518 | 45543 |
| | | S/T | 0.92 | 1.00 | 1.00 | 1.00 | 1.00 | 0.72 | 0.87 | 0.99 | 1.00 | 1.00 | 0.60 | 0.73 | 0.85 | 0.86 | 1.00 | 0.40 | 0.51 | 0.61 | 0.63 | 0.76 |
| | | PI | 4.98 | 5.04 | 5.11 | 5.12 | 5.21 | 5.09 | 5.09 | 5.11 | 5.13 | 5.21 | 5.18 | 5.18 | 5.18 | 5.18 | 5.21 | 5.35 | 5.35 | 5.34 | 5.34 | 5.34 |
| | 115°F 46°C | TC | 33182 | 34780 | 36155 | 36424 | 38028 | 35287 | 35357 | 36196 | 36470 | 38067 | 36932 | 36955 | 37005 | 37041 | 38100 | 40045 | 40075 | 40131 | 40136 | 40148 |
| | | S/T | 0.96 | 1.00 | 1.00 | 1.00 | 1.00 | 0.75 | 0.89 | 1.00 | 1.00 | 1.00 | 0.61 | 0.75 | 0.87 | 0.90 | 1.00 | 0.40 | 0.52 | 0.63 | 0.65 | 0.78 |
| | | PI | 4.57 | 4.64 | 4.70 | 4.72 | 4.77 | 4.66 | 4.66 | 4.70 | 4.72 | 4.78 | 4.73 | 4.73 | 4.73 | 4.73 | 4.78 | 4.87 | 4.87 | 4.87 | 4.87 | 4.86 |
| | 122°F 50°C | TC | 27449 | 28963 | 30260 | 30486 | 32025 | 28324 | 28994 | 30294 | 30520 | 32056 | 29829 | 29820 | 30316 | 30544 | 32075 | 32570 | 32697 | 32704 | 32701 | 32745 |
| | | S/T | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.84 | 1.00 | 1.00 | 1.00 | 1.00 | 0.67 | 0.85 | 1.00 | 1.00 | 1.00 | 0.41 | 0.55 | 0.69 | 0.72 | 0.88 |
| | | PI | 4.07 | 4.11 | 4.14 | 4.15 | 4.18 | 4.10 | 4.11 | 4.14 | 4.15 | 4.18 | 4.14 | 4.13 | 4.14 | 4.15 | 4.18 | 4.23 | 4.21 | 4.21 | 4.20 | 4.20 |

## Table 10 – 54K Cooling — 37MURA + 45MUAA

| Airflow CFM | Out-door DB °F | ID WB °F | 60.8°F (16.0°C) | | | | | 64.4°F (16.0°C) | | | | | 67.0°F (19.4°C) | | | | | 71.6°F (22.0°C) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ID DB °F | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C |
| 1135 | -13°F 25°C | TC | 34216 | 34211 | 34206 | 34206 | 34199 | 35808 | 35799 | 35793 | 35792 | 35785 | 36937 | 36928 | 36919 | 36918 | 36910 | 39055 | 39045 | 39036 | 39035 | 39022 |
| | | S/T | 0.72 | 0.80 | 0.87 | 0.88 | 0.97 | 0.59 | 0.67 | 0.74 | 0.76 | 0.83 | 0.51 | 0.59 | 0.66 | 0.67 | 0.75 | 0.38 | 0.46 | 0.51 | 0.52 | 0.60 |
| | | PI | 2.49 | 2.49 | 2.49 | 2.49 | 2.49 | 2.46 | 2.46 | 2.46 | 2.46 | 2.46 | 2.45 | 2.45 | 2.45 | 2.45 | 2.45 | 2.44 | 2.44 | 2.44 | 2.44 | 2.44 |
| | -4°F 20°C | TC | 36848 | 36842 | 36838 | 36837 | 36830 | 38563 | 38553 | 38546 | 38545 | 38538 | 39779 | 39768 | 39759 | 39758 | 39749 | 42060 | 42049 | 42039 | 42037 | 42024 |
| | | S/T | 0.72 | 0.80 | 0.88 | 0.89 | 0.97 | 0.60 | 0.68 | 0.75 | 0.76 | 0.84 | 0.52 | 0.59 | 0.66 | 0.67 | 0.75 | 0.39 | 0.47 | 0.51 | 0.52 | 0.60 |
| | | PI | 2.58 | 2.58 | 2.58 | 2.58 | 2.58 | 2.55 | 2.55 | 2.55 | 2.55 | 2.55 | 2.54 | 2.54 | 2.54 | 2.54 | 2.54 | 2.53 | 2.53 | 2.53 | 2.53 | 2.53 |
| | 0°F 17.8°C | TC | 38047 | 38039 | 38033 | 38032 | 38021 | 39800 | 39792 | 39783 | 39782 | 39771 | 41042 | 41031 | 41022 | 41020 | 41007 | 43357 | 43346 | 43338 | 43336 | 43319 |
| | | S/T | 0.72 | 0.81 | 0.88 | 0.90 | 0.98 | 0.60 | 0.68 | 0.75 | 0.76 | 0.85 | 0.52 | 0.60 | 0.67 | 0.68 | 0.76 | 0.39 | 0.47 | 0.52 | 0.53 | 0.60 |
| | | PI | 2.60 | 2.60 | 2.60 | 2.60 | 2.60 | 2.58 | 2.58 | 2.58 | 2.58 | 2.58 | 2.58 | 2.58 | 2.58 | 2.58 | 2.58 | 2.58 | 2.58 | 2.58 | 2.58 | 2.58 |
| | 5°F 15°C | TC | 39240 | 39240 | 39240 | 39240 | 39826 | 41200 | 41192 | 41191 | 41191 | 41195 | 42608 | 42606 | 42599 | 42598 | 42602 | 45309 | 45297 | 45287 | 45285 | 45285 |
| | | S/T | 0.73 | 0.82 | 0.90 | 0.91 | 1.00 | 0.60 | 0.69 | 0.76 | 0.77 | 0.86 | 0.52 | 0.60 | 0.67 | 0.68 | 0.77 | 0.39 | 0.47 | 0.52 | 0.53 | 0.61 |
| | | PI | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 | 2.62 | 2.62 | 2.62 | 2.62 | 2.62 | 2.62 | 2.63 | 2.62 | 2.63 | 2.63 | 2.66 | 2.66 | 2.66 | 2.66 | 2.66 |
| | 14°F 10°C | TC | 40127 | 40122 | 40116 | 40116 | 40311 | 42234 | 42223 | 42216 | 42215 | 42207 | 43738 | 43728 | 43717 | 43716 | 43706 | 46597 | 46583 | 46572 | 46570 | 46555 |
| | | S/T | 0.73 | 0.81 | 0.89 | 0.90 | 0.99 | 0.60 | 0.68 | 0.75 | 0.76 | 0.85 | 0.52 | 0.60 | 0.66 | 0.68 | 0.76 | 0.39 | 0.47 | 0.51 | 0.53 | 0.60 |
| | | PI | 2.52 | 2.52 | 2.52 | 2.52 | 2.51 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.49 | 2.49 | 2.49 | 2.49 | 2.49 | 2.48 | 2.48 | 2.48 | 2.48 | 2.48 |
| | 17°F 10°C | TC | 40452 | 40444 | 40438 | 40437 | 41020 | 42574 | 42564 | 42555 | 42553 | 42554 | 44097 | 44096 | 44089 | 44088 | 44095 | 47075 | 47062 | 47051 | 47048 | 47051 |
| | | S/T | 0.73 | 0.82 | 0.89 | 0.91 | 1.00 | 0.60 | 0.69 | 0.76 | 0.77 | 0.85 | 0.52 | 0.60 | 0.67 | 0.68 | 0.76 | 0.39 | 0.47 | 0.52 | 0.53 | 0.61 |
| | | PI | 2.46 | 2.46 | 2.46 | 2.46 | 2.45 | 2.45 | 2.45 | 2.45 | 2.45 | 2.45 | 2.44 | 2.44 | 2.44 | 2.44 | 2.44 | 2.45 | 2.45 | 2.45 | 2.45 | 2.45 |
| | 23°F 5°C | TC | 39332 | 39333 | 39333 | 39359 | 40077 | 41448 | 41440 | 41440 | 41441 | 41445 | 42972 | 42969 | 42962 | 42962 | 42966 | 45901 | 45887 | 45876 | 45874 | 45875 |
| | | S/T | 0.74 | 0.83 | 0.90 | 0.91 | 1.00 | 0.61 | 0.69 | 0.77 | 0.78 | 0.86 | 0.52 | 0.60 | 0.67 | 0.69 | 0.77 | 0.39 | 0.47 | 0.52 | 0.53 | 0.61 |
| | | PI | 2.65 | 2.65 | 2.65 | 2.65 | 2.65 | 2.66 | 2.66 | 2.66 | 2.66 | 2.66 | 2.67 | 2.67 | 2.67 | 2.67 | 2.67 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 |
| | 35°F 1.7°C | TC | 37410 | 37407 | 37405 | 37404 | 37456 | 39348 | 39344 | 39340 | 39339 | 39336 | 40718 | 40710 | 40708 | 40707 | 40701 | 43283 | 43273 | 43265 | 43263 | 43261 |
| | | S/T | 0.70 | 0.78 | 0.85 | 0.86 | 0.93 | 0.59 | 0.66 | 0.72 | 0.74 | 0.81 | 0.51 | 0.58 | 0.64 | 0.65 | 0.73 | 0.39 | 0.46 | 0.50 | 0.51 | 0.58 |
| | | PI | 2.83 | 2.83 | 2.83 | 2.83 | 2.84 | 2.99 | 2.99 | 2.99 | 2.99 | 2.99 | 3.11 | 3.11 | 3.11 | 3.11 | 3.11 | 3.38 | 3.38 | 3.38 | 3.38 | 3.38 |
| | 41°F 5°C | TC | 37413 | 37408 | 37407 | 37406 | 37493 | 39335 | 39331 | 39326 | 39326 | 39323 | 40694 | 40686 | 40683 | 40683 | 40676 | 43240 | 43231 | 43222 | 43221 | 43218 |
| | | S/T | 0.71 | 0.79 | 0.86 | 0.87 | 0.95 | 0.59 | 0.67 | 0.73 | 0.74 | 0.82 | 0.51 | 0.59 | 0.65 | 0.66 | 0.73 | 0.39 | 0.46 | 0.51 | 0.52 | 0.59 |
| | | PI | 3.21 | 3.21 | 3.21 | 3.21 | 3.22 | 3.41 | 3.41 | 3.41 | 3.41 | 3.41 | 3.56 | 3.56 | 3.56 | 3.56 | 3.56 | 3.88 | 3.88 | 3.88 | 3.88 | 3.88 |
| | 47°F 8.3°C | TC | 37409 | 37404 | 37402 | 37401 | 37531 | 39318 | 39314 | 39308 | 39308 | 39305 | 40670 | 40661 | 40658 | 40657 | 40651 | 43195 | 43185 | 43177 | 43176 | 43172 |
| | | S/T | 0.71 | 0.80 | 0.87 | 0.88 | 0.96 | 0.59 | 0.67 | 0.74 | 0.75 | 0.83 | 0.51 | 0.59 | 0.65 | 0.66 | 0.74 | 0.39 | 0.46 | 0.51 | 0.52 | 0.59 |
| | | PI | 3.60 | 3.60 | 3.59 | 3.59 | 3.61 | 3.83 | 3.83 | 3.83 | 3.83 | 3.83 | 4.01 | 4.01 | 4.01 | 4.01 | 4.01 | 4.38 | 4.37 | 4.37 | 4.37 | 4.37 |
| | 50°F 10°C | TC | 36734 | 36739 | 37078 | 37379 | 38766 | 38956 | 38964 | 38975 | 38977 | 39120 | 40568 | 40572 | 40590 | 40593 | 40609 | 43692 | 43676 | 43682 | 43679 | 43718 |
| | | S/T | 0.79 | 0.89 | 0.99 | 1.00 | 1.00 | 0.64 | 0.74 | 0.82 | 0.84 | 0.94 | 0.54 | 0.64 | 0.72 | 0.73 | 0.83 | 0.39 | 0.46 | 0.54 | 0.56 | 0.65 |
| | | PI | 3.93 | 3.93 | 3.93 | 3.93 | 3.94 | 3.94 | 3.94 | 3.94 | 3.94 | 3.94 | 3.93 | 3.93 | 3.93 | 3.93 | 3.93 | 3.93 | 3.93 | 3.93 | 3.93 | 3.93 |
| | 59°F 15°C | TC | 36372 | 36428 | 37144 | 37362 | 38823 | 38685 | 38693 | 38701 | 38702 | 38939 | 40378 | 40368 | 40384 | 40386 | 40398 | 43624 | 43606 | 43609 | 43607 | 43640 |
| | | S/T | 0.80 | 0.91 | 1.00 | 1.00 | 1.00 | 0.65 | 0.75 | 0.84 | 0.86 | 0.96 | 0.54 | 0.65 | 0.73 | 0.75 | 0.85 | 0.39 | 0.47 | 0.55 | 0.56 | 0.66 |
| | | PI | 3.69 | 3.69 | 3.69 | 3.70 | 3.71 | 3.71 | 3.71 | 3.71 | 3.71 | 3.71 | 3.72 | 3.72 | 3.72 | 3.72 | 3.72 | 3.74 | 3.74 | 3.74 | 3.74 | 3.74 |
| | 68°F 20°C | TC | 36033 | 36151 | 37172 | 37400 | 38929 | 38426 | 38433 | 38438 | 38439 | 38901 | 40172 | 40164 | 40179 | 40181 | 40188 | 43531 | 43513 | 43514 | 43512 | 43546 |
| | | S/T | 0.82 | 0.94 | 1.00 | 1.00 | 1.00 | 0.66 | 0.77 | 0.86 | 0.88 | 1.00 | 0.55 | 0.66 | 0.75 | 0.77 | 0.87 | 0.39 | 0.47 | 0.56 | 0.57 | 0.67 |
| | | PI | 3.45 | 3.45 | 3.46 | 3.47 | 3.49 | 3.48 | 3.48 | 3.48 | 3.48 | 3.49 | 3.51 | 3.51 | 3.50 | 3.50 | 3.50 | 3.55 | 3.55 | 3.55 | 3.55 | 3.55 |
| | 77°F 25°C | TC | 35638 | 35815 | 37044 | 37286 | 38890 | 38132 | 38145 | 38153 | 38190 | 38947 | 39955 | 39952 | 39974 | 39976 | 40024 | 43464 | 43444 | 43449 | 43450 | 43500 |
| | | S/T | 0.83 | 0.96 | 1.00 | 1.00 | 1.00 | 0.66 | 0.78 | 0.88 | 0.89 | 1.00 | 0.55 | 0.67 | 0.76 | 0.78 | 0.88 | 0.39 | 0.48 | 0.56 | 0.58 | 0.68 |
| | | PI | 3.24 | 3.25 | 3.26 | 3.26 | 3.28 | 3.27 | 3.27 | 3.27 | 3.27 | 3.28 | 3.29 | 3.29 | 3.29 | 3.29 | 3.29 | 3.32 | 3.32 | 3.32 | 3.32 | 3.32 |
| | 82°F 27.8°C | TC | 35546 | 35775 | 37147 | 37394 | 39046 | 38097 | 38116 | 38148 | 38181 | 39102 | 39965 | 39967 | 39990 | 39993 | 40062 | 43561 | 43540 | 43548 | 43552 | 43610 |
| | | S/T | 0.84 | 0.97 | 1.00 | 1.00 | 1.00 | 0.67 | 0.79 | 0.88 | 0.90 | 1.00 | 0.56 | 0.67 | 0.77 | 0.78 | 0.89 | 0.39 | 0.48 | 0.57 | 0.58 | 0.68 |
| | | PI | 3.40 | 3.40 | 3.42 | 3.42 | 3.44 | 3.43 | 3.43 | 3.43 | 3.43 | 3.44 | 3.45 | 3.45 | 3.45 | 3.45 | 3.45 | 3.48 | 3.48 | 3.48 | 3.48 | 3.48 |
| | 86°F 30°C | TC | 35636 | 35947 | 37445 | 37698 | 39393 | 38241 | 38258 | 38310 | 38348 | 39450 | 40142 | 40148 | 40169 | 40171 | 40262 | 43808 | 43786 | 43794 | 43803 | 43858 |
| | | S/T | 0.85 | 0.98 | 1.00 | 1.00 | 1.00 | 0.67 | 0.80 | 0.89 | 0.91 | 1.00 | 0.56 | 0.68 | 0.77 | 0.79 | 0.90 | 0.39 | 0.48 | 0.57 | 0.59 | 0.69 |
| | | PI | 3.86 | 3.87 | 3.89 | 3.89 | 3.91 | 3.90 | 3.90 | 3.90 | 3.90 | 3.91 | 3.92 | 3.92 | 3.92 | 3.92 | 3.92 | 3.97 | 3.97 | 3.97 | 3.97 | 3.96 |
| | 95°F 35°C | TC | 36389 | 36388 | 36391 | 36432 | 37365 | 38826 | 38816 | 38814 | 38814 | 38822 | 40583 | 40579 | 40570 | 40570 | 40571 | 43978 | 43963 | 43951 | 43949 | 43949 |
| | | S/T | 0.74 | 0.83 | 0.91 | 0.92 | 1.00 | 0.61 | 0.69 | 0.77 | 0.78 | 0.87 | 0.52 | 0.60 | 0.67 | 0.69 | 0.77 | 0.39 | 0.47 | 0.52 | 0.53 | 0.61 |
| | | PI | 4.74 | 4.74 | 4.74 | 4.74 | 4.80 | 4.88 | 4.88 | 4.88 | 4.88 | 4.88 | 4.99 | 4.99 | 4.99 | 4.99 | 4.99 | 5.20 | 5.20 | 5.20 | 5.20 | 5.20 |
| | 104°F 40°C | TC | 30901 | 30902 | 30958 | 31000 | 32034 | 32966 | 32958 | 32958 | 32958 | 32964 | 34456 | 34453 | 34445 | 34446 | 34450 | 37332 | 37319 | 37309 | 37307 | 37307 |
| | | S/T | 0.75 | 0.85 | 0.93 | 0.95 | 1.00 | 0.61 | 0.71 | 0.78 | 0.80 | 0.89 | 0.52 | 0.61 | 0.69 | 0.70 | 0.79 | 0.39 | 0.45 | 0.52 | 0.54 | 0.62 |
| | | PI | 4.12 | 4.12 | 4.13 | 4.13 | 4.19 | 4.25 | 4.25 | 4.25 | 4.25 | 4.25 | 4.34 | 4.34 | 4.34 | 4.34 | 4.34 | 4.52 | 4.52 | 4.52 | 4.52 | 4.52 |
| | 110°F 43°C | TC | 27431 | 27471 | 28088 | 28269 | 29460 | 29373 | 29369 | 29375 | 29375 | 29544 | 30771 | 30768 | 30771 | 30772 | 30780 | 33470 | 33456 | 33455 | 33455 | 33453 |
| | | S/T | 0.80 | 0.91 | 1.00 | 1.00 | 1.00 | 0.64 | 0.75 | 0.84 | 0.86 | 0.96 | 0.54 | 0.65 | 0.73 | 0.75 | 0.85 | 0.39 | 0.47 | 0.55 | 0.56 | 0.66 |
| | | PI | 3.80 | 3.80 | 3.82 | 3.84 | 3.89 | 3.89 | 3.89 | 3.89 | 3.89 | 3.89 | 3.95 | 3.95 | 3.95 | 3.95 | 3.95 | 4.08 | 4.08 | 4.08 | 4.08 | 4.08 |
| | 115°F 46°C | TC | 24744 | 24838 | 25687 | 25855 | 26987 | 26541 | 26544 | 26547 | 26548 | 27027 | 27839 | 27837 | 27845 | 27846 | 27848 | 30340 | 30327 | 30325 | 30323 | 30336 |
| | | S/T | 0.83 | 0.95 | 1.00 | 1.00 | 1.00 | 0.66 | 0.77 | 0.87 | 0.89 | 1.00 | 0.55 | 0.66 | 0.75 | 0.77 | 0.88 | 0.39 | 0.47 | 0.56 | 0.57 | 0.67 |
| | | PI | 3.68 | 3.69 | 3.72 | 3.73 | 3.78 | 3.76 | 3.76 | 3.76 | 3.76 | 3.78 | 3.81 | 3.81 | 3.81 | 3.81 | 3.81 | 3.92 | 3.92 | 3.92 | 3.92 | 3.92 |
| | 122°F 50°C | TC | 21059 | 21969 | 22935 | 23101 | 24245 | 22712 | 22712 | 22911 | 23133 | 24278 | 23936 | 23943 | 23943 | 23943 | 24302 | 26305 | 26290 | 26308 | 26310 | 26316 |
| | | S/T | 0.93 | 1.00 | 1.00 | 1.00 | 1.00 | 0.72 | 0.86 | 0.99 | 1.00 | 1.00 | 0.59 | 0.73 | 0.84 | 0.86 | 1.00 | 0.39 | 0.50 | 0.61 | 0.62 | 0.75 |
| | | PI | 3.55 | 3.58 | 3.60 | 3.61 | 3.64 | 3.60 | 3.60 | 3.60 | 3.61 | 3.64 | 3.63 | 3.63 | 3.63 | 3.63 | 3.64 | 3.70 | 3.70 | 3.69 | 3.69 | 3.69 |

## Table 10 – 54K Cooling — 37MURA + 45MUAA (Continued)

| Airflow CFM | Out-door DB °F | ID WB °F | 60.8°F (16.0°C) | | | | | 64.4°F (16.0°C) | | | | | 67.0°F (19.4°C) | | | | | 71.6°F (22.0°C) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ID DB °F | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C |
| 1359 | -13°F 25°C | TC | 38011 | 38003 | 37995 | 37994 | 38774 | 39722 | 39711 | 39700 | 39698 | 39685 | 40935 | 40922 | 40908 | 40905 | 40886 | 43210 | 43199 | 43182 | 43181 | 43152 |
| | | S/T | 0.75 | 0.84 | 0.92 | 0.93 | 1.00 | 0.61 | 0.70 | 0.78 | 0.79 | 0.88 | 0.52 | 0.61 | 0.69 | 0.70 | 0.79 | 0.38 | 0.46 | 0.53 | 0.54 | 0.62 |
| | | PI | 2.67 | 2.67 | 2.67 | 2.67 | 2.66 | 2.65 | 2.65 | 2.65 | 2.65 | 2.65 | 2.64 | 2.64 | 2.64 | 2.64 | 2.64 | 2.64 | 2.64 | 2.64 | 2.64 | 2.64 |
| | -4°F 20°C | TC | 40935 | 40926 | 40918 | 40917 | 41756 | 42778 | 42765 | 42754 | 42752 | 42738 | 44084 | 44069 | 44054 | 44051 | 44031 | 46534 | 46522 | 46504 | 46502 | 46472 |
| | | S/T | 0.75 | 0.84 | 0.92 | 0.94 | 1.00 | 0.61 | 0.71 | 0.78 | 0.79 | 0.88 | 0.53 | 0.61 | 0.69 | 0.70 | 0.79 | 0.39 | 0.46 | 0.53 | 0.54 | 0.63 |
| | | PI | 2.76 | 2.77 | 2.77 | 2.77 | 2.75 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 |
| | 0°F 17.8°C | TC | 42273 | 42261 | 42252 | 42250 | 43303 | 44158 | 44142 | 44126 | 44122 | 44104 | 45491 | 45473 | 45453 | 45449 | 45421 | 47967 | 47957 | 47952 | 47949 | 47955 |
| | | S/T | 0.75 | 0.85 | 0.93 | 0.95 | 1.00 | 0.62 | 0.71 | 0.79 | 0.80 | 0.90 | 0.53 | 0.62 | 0.70 | 0.71 | 0.80 | 0.39 | 0.46 | 0.53 | 0.55 | 0.63 |
| | | PI | 2.79 | 2.79 | 2.79 | 2.79 | 2.78 | 2.77 | 2.77 | 2.78 | 2.78 | 2.78 | 2.77 | 2.77 | 2.77 | 2.77 | 2.77 | 2.79 | 2.79 | 2.79 | 2.79 | 2.79 |
| | 5°F 15°C | TC | 43558 | 43562 | 43698 | 43760 | 45040 | 45679 | 45677 | 45684 | 45685 | 45739 | 47200 | 47198 | 47201 | 47203 | 47212 | 50101 | 50087 | 50088 | 50086 | 50089 |
| | | S/T | 0.76 | 0.86 | 0.94 | 0.96 | 1.00 | 0.62 | 0.72 | 0.80 | 0.81 | 0.90 | 0.53 | 0.62 | 0.70 | 0.72 | 0.81 | 0.39 | 0.46 | 0.54 | 0.55 | 0.64 |
| | | PI | 2.81 | 2.81 | 2.81 | 2.81 | 2.81 | 2.81 | 2.81 | 2.81 | 2.81 | 2.82 | 2.83 | 2.83 | 2.83 | 2.83 | 2.83 | 2.87 | 2.87 | 2.87 | 2.87 | 2.87 |
| | 14°F 10°C | TC | 44568 | 44558 | 44550 | 44548 | 45813 | 46845 | 46831 | 46818 | 46815 | 46800 | 48472 | 48456 | 48439 | 48436 | 48413 | 51566 | 51551 | 51530 | 51528 | 51495 |
| | | S/T | 0.75 | 0.85 | 0.93 | 0.95 | 1.00 | 0.62 | 0.71 | 0.79 | 0.80 | 0.89 | 0.53 | 0.62 | 0.69 | 0.71 | 0.79 | 0.39 | 0.46 | 0.53 | 0.54 | 0.63 |
| | | PI | 2.70 | 2.70 | 2.70 | 2.70 | 2.69 | 2.69 | 2.69 | 2.69 | 2.69 | 2.69 | 2.68 | 2.68 | 2.68 | 2.68 | 2.68 | 2.68 | 2.68 | 2.68 | 2.68 | 2.68 |
| | 17°F 10°C | TC | 44899 | 44885 | 45002 | 45065 | 46415 | 47192 | 47176 | 47187 | 47188 | 47238 | 48845 | 48844 | 48852 | 48855 | 48870 | 52049 | 52034 | 52039 | 52036 | 52048 |
| | | S/T | 0.76 | 0.86 | 0.94 | 0.96 | 1.00 | 0.62 | 0.72 | 0.80 | 0.81 | 0.90 | 0.53 | 0.62 | 0.70 | 0.71 | 0.80 | 0.39 | 0.46 | 0.53 | 0.55 | 0.63 |
| | | PI | 2.64 | 2.64 | 2.64 | 2.64 | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 | 2.64 | 2.64 | 2.64 | 2.64 | 2.64 |
| | 23°F 5°C | TC | 43663 | 43667 | 43844 | 43922 | 45365 | 45954 | 45953 | 45961 | 45962 | 46035 | 47600 | 47598 | 47603 | 47605 | 47616 | 50753 | 50738 | 50740 | 50738 | 50745 |
| | | S/T | 0.77 | 0.87 | 0.95 | 0.97 | 1.00 | 0.62 | 0.72 | 0.80 | 0.82 | 0.91 | 0.53 | 0.63 | 0.71 | 0.72 | 0.81 | 0.39 | 0.46 | 0.54 | 0.55 | 0.64 |
| | | PI | 2.84 | 2.84 | 2.84 | 2.84 | 2.85 | 2.86 | 2.86 | 2.86 | 2.86 | 2.86 | 2.87 | 2.87 | 2.87 | 2.87 | 2.87 | 2.92 | 2.91 | 2.92 | 2.92 | 2.92 |
| | 35°F 1.7°C | TC | 41597 | 41594 | 41595 | 41595 | 42130 | 43665 | 43657 | 43654 | 43653 | 43656 | 45117 | 45113 | 45106 | 45105 | 45103 | 47829 | 47817 | 47808 | 47806 | 47804 |
| | | S/T | 0.73 | 0.81 | 0.89 | 0.90 | 1.00 | 0.60 | 0.68 | 0.76 | 0.77 | 0.85 | 0.52 | 0.60 | 0.67 | 0.68 | 0.76 | 0.39 | 0.47 | 0.52 | 0.53 | 0.60 |
| | | PI | 3.04 | 3.04 | 3.04 | 3.04 | 3.08 | 3.21 | 3.21 | 3.21 | 3.21 | 3.21 | 3.35 | 3.35 | 3.35 | 3.35 | 3.35 | 3.64 | 3.64 | 3.64 | 3.64 | 3.64 |
| | 41°F 5°C | TC | 41489 | 41589 | 41589 | 41602 | 42287 | 43646 | 43638 | 43634 | 43635 | 43636 | 45089 | 45085 | 45078 | 45077 | 45075 | 47782 | 47771 | 47761 | 47759 | 47756 |
| | | S/T | 0.74 | 0.82 | 0.90 | 0.91 | 1.00 | 0.60 | 0.69 | 0.76 | 0.78 | 0.86 | 0.52 | 0.60 | 0.67 | 0.69 | 0.77 | 0.39 | 0.45 | 0.52 | 0.53 | 0.61 |
| | | PI | 3.44 | 3.45 | 3.45 | 3.45 | 3.52 | 3.67 | 3.67 | 3.67 | 3.67 | 3.67 | 3.83 | 3.83 | 3.83 | 3.83 | 3.83 | 4.18 | 4.18 | 4.18 | 4.18 | 4.18 |
| | 47°F 8.3°C | TC | 41583 | 41581 | 41581 | 41622 | 42441 | 43624 | 43616 | 43613 | 43613 | 43614 | 45062 | 45057 | 45050 | 45049 | 45048 | 47738 | 47727 | 47718 | 47716 | 47713 |
| | | S/T | 0.74 | 0.83 | 0.91 | 0.92 | 1.00 | 0.61 | 0.70 | 0.77 | 0.78 | 0.87 | 0.52 | 0.61 | 0.68 | 0.69 | 0.78 | 0.39 | 0.45 | 0.52 | 0.53 | 0.62 |
| | | PI | 3.87 | 3.87 | 3.87 | 3.87 | 3.97 | 4.13 | 4.13 | 4.13 | 4.13 | 4.13 | 4.31 | 4.31 | 4.31 | 4.31 | 4.31 | 4.71 | 4.71 | 4.71 | 4.71 | 4.71 |
| | 50°F 10°C | TC | 40751 | 40924 | 42079 | 42318 | 43918 | 43170 | 43196 | 43208 | 43253 | 43973 | 44922 | 44948 | 44974 | 44978 | 45043 | 48268 | 48250 | 48306 | 48319 | 48385 |
| | | S/T | 0.83 | 0.95 | 1.00 | 1.00 | 1.00 | 0.66 | 0.78 | 0.87 | 0.88 | 1.00 | 0.55 | 0.66 | 0.76 | 0.77 | 0.88 | 0.39 | 0.48 | 0.56 | 0.58 | 0.68 |
| | | PI | 4.24 | 4.24 | 4.24 | 4.24 | 4.24 | 4.24 | 4.24 | 4.24 | 4.24 | 4.24 | 4.24 | 4.24 | 4.24 | 4.24 | 4.24 | 4.23 | 4.23 | 4.23 | 4.23 | 4.23 |
| | 59°F 15°C | TC | 40352 | 40640 | 42077 | 42328 | 44010 | 42877 | 42897 | 42962 | 43002 | 44066 | 44702 | 44725 | 44747 | 44749 | 44858 | 48212 | 48191 | 48239 | 48249 | 48300 |
| | | S/T | 0.85 | 0.97 | 1.00 | 1.00 | 1.00 | 0.67 | 0.79 | 0.89 | 0.91 | 1.00 | 0.56 | 0.68 | 0.77 | 0.79 | 0.90 | 0.39 | 0.48 | 0.57 | 0.59 | 0.69 |
| | | PI | 3.97 | 3.97 | 3.99 | 3.99 | 4.00 | 3.99 | 3.99 | 3.99 | 3.99 | 4.00 | 4.01 | 4.01 | 4.00 | 4.01 | 4.01 | 4.03 | 4.03 | 4.03 | 4.03 | 4.03 |
| | 68°F 20°C | TC | 39977 | 40648 | 42125 | 42388 | 44148 | 42593 | 42609 | 42727 | 42779 | 44205 | 44481 | 44505 | 44519 | 44521 | 44694 | 48120 | 48099 | 48146 | 48155 | 48194 |
| | | S/T | 0.87 | 1.00 | 1.00 | 1.00 | 1.00 | 0.69 | 0.81 | 0.91 | 0.93 | 1.00 | 0.57 | 0.69 | 0.79 | 0.81 | 0.93 | 0.39 | 0.49 | 0.58 | 0.60 | 0.71 |
| | | PI | 3.71 | 3.72 | 3.74 | 3.75 | 3.77 | 3.75 | 3.75 | 3.75 | 3.75 | 3.77 | 3.77 | 3.77 | 3.77 | 3.77 | 3.77 | 3.82 | 3.82 | 3.82 | 3.82 | 3.82 |
| | 77°F 25°C | TC | 39537 | 40459 | 42009 | 42285 | 44134 | 42270 | 42290 | 42453 | 42522 | 44190 | 44231 | 44270 | 44292 | 44294 | 44523 | 48026 | 48003 | 48079 | 48091 | 48146 |
| | | S/T | 0.88 | 1.00 | 1.00 | 1.00 | 1.00 | 0.69 | 0.82 | 0.93 | 0.95 | 1.00 | 0.57 | 0.70 | 0.80 | 0.82 | 0.94 | 0.39 | 0.49 | 0.59 | 0.60 | 0.72 |
| | | PI | 3.49 | 3.50 | 3.52 | 3.52 | 3.54 | 3.52 | 3.52 | 3.52 | 3.52 | 3.54 | 3.54 | 3.54 | 3.54 | 3.54 | 3.54 | 3.58 | 3.58 | 3.58 | 3.58 | 3.58 |
| | 82°F 27.8°C | TC | 39465 | 40538 | 42134 | 42417 | 44319 | 42232 | 42255 | 42458 | 42542 | 44379 | 44239 | 44287 | 44310 | 44313 | 44592 | 48125 | 48133 | 48194 | 48208 | 48270 |
| | | S/T | 0.88 | 1.00 | 1.00 | 1.00 | 1.00 | 0.70 | 0.83 | 0.94 | 0.96 | 1.00 | 0.58 | 0.70 | 0.81 | 0.83 | 0.96 | 0.39 | 0.49 | 0.59 | 0.61 | 0.72 |
| | | PI | 3.66 | 3.68 | 3.69 | 3.69 | 3.71 | 3.69 | 3.69 | 3.69 | 3.69 | 3.71 | 3.71 | 3.71 | 3.71 | 3.71 | 3.71 | 3.75 | 3.75 | 3.75 | 3.75 | 3.75 |
| | 86°F 30°C | TC | 39592 | 40842 | 42480 | 42769 | 44719 | 42395 | 42416 | 42669 | 42782 | 44779 | 44440 | 44487 | 44508 | 44511 | 44855 | 48401 | 48404 | 48475 | 48488 | 48544 |
| | | S/T | 0.90 | 1.00 | 1.00 | 1.00 | 1.00 | 0.71 | 0.84 | 0.96 | 0.98 | 1.00 | 0.58 | 0.71 | 0.82 | 0.84 | 0.97 | 0.39 | 0.50 | 0.60 | 0.61 | 0.73 |
| | | PI | 4.16 | 4.18 | 4.20 | 4.20 | 4.22 | 4.20 | 4.20 | 4.20 | 4.20 | 4.22 | 4.23 | 4.22 | 4.22 | 4.22 | 4.23 | 4.27 | 4.27 | 4.27 | 4.27 | 4.27 |
| | 95°F 35°C | TC | 40413 | 40421 | 40644 | 40748 | 42428 | 43055 | 43050 | 43061 | 43063 | 43140 | 44955 | 44954 | 44953 | 44955 | 44975 | 48619 | 48602 | 48588 | 48610 | 48597 |
| | | S/T | 0.77 | 0.87 | 0.96 | 0.98 | 1.00 | 0.63 | 0.72 | 0.80 | 0.82 | 0.91 | 0.53 | 0.62 | 0.70 | 0.72 | 0.81 | 0.39 | 0.46 | 0.53 | 0.55 | 0.63 |
| | | PI | 5.10 | 5.10 | 5.11 | 5.12 | 5.22 | 5.26 | 5.26 | 5.26 | 5.26 | 5.26 | 5.37 | 5.37 | 5.37 | 5.37 | 5.37 | 5.60 | 5.60 | 5.60 | 5.60 | 5.60 |
| | 104°F 40°C | TC | 34311 | 34317 | 34670 | 34989 | 36368 | 36550 | 36548 | 36559 | 36560 | 36691 | 38166 | 38164 | 38166 | 38169 | 38184 | 41267 | 41252 | 41239 | 41252 | 41249 |
| | | S/T | 0.79 | 0.89 | 0.99 | 1.00 | 1.00 | 0.63 | 0.74 | 0.82 | 0.84 | 0.94 | 0.54 | 0.64 | 0.72 | 0.73 | 0.83 | 0.39 | 0.46 | 0.54 | 0.55 | 0.65 |
| | | PI | 4.44 | 4.44 | 4.46 | 4.48 | 4.56 | 4.58 | 4.58 | 4.58 | 4.58 | 4.58 | 4.67 | 4.67 | 4.67 | 4.67 | 4.67 | 4.87 | 4.87 | 4.87 | 4.87 | 4.87 |
| | 110°F 43°C | TC | 30451 | 30683 | 31867 | 32072 | 33440 | 32555 | 32567 | 32595 | 32625 | 33486 | 34082 | 34081 | 34095 | 34096 | 34156 | 36993 | 36982 | 36982 | 36985 | 37014 |
| | | S/T | 0.85 | 0.97 | 1.00 | 1.00 | 1.00 | 0.67 | 0.79 | 0.89 | 0.91 | 1.00 | 0.56 | 0.68 | 0.77 | 0.79 | 0.90 | 0.39 | 0.48 | 0.57 | 0.59 | 0.69 |
| | | PI | 4.09 | 4.11 | 4.15 | 4.16 | 4.22 | 4.18 | 4.18 | 4.18 | 4.19 | 4.22 | 4.26 | 4.25 | 4.25 | 4.25 | 4.26 | 4.39 | 4.39 | 4.39 | 4.39 | 4.39 |
| | 115°F 46°C | TC | 27465 | 28052 | 29147 | 29339 | 30636 | 29422 | 29432 | 29511 | 29553 | 30677 | 30835 | 30842 | 30852 | 30853 | 30969 | 33543 | 33528 | 33539 | 33546 | 33571 |
| | | S/T | 0.88 | 1.00 | 1.00 | 1.00 | 1.00 | 0.69 | 0.82 | 0.92 | 0.94 | 1.00 | 0.57 | 0.69 | 0.80 | 0.82 | 0.94 | 0.39 | 0.49 | 0.58 | 0.60 | 0.71 |
| | | PI | 3.96 | 3.99 | 4.03 | 4.04 | 4.10 | 4.05 | 4.05 | 4.05 | 4.05 | 4.10 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.22 | 4.22 | 4.22 | 4.22 | 4.22 |
| | 122°F 50°C | TC | 23546 | 24874 | 25974 | 26169 | 27476 | 25139 | 25203 | 26006 | 26202 | 27507 | 26481 | 26487 | 26530 | 26559 | 27534 | 29042 | 29052 | 29077 | 29078 | 29074 |
| | | S/T | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.76 | 0.92 | 1.00 | 1.00 | 1.00 | 0.62 | 0.77 | 0.89 | 0.92 | 1.00 | 0.40 | 0.52 | 0.64 | 0.66 | 0.79 |
| | | PI | 3.83 | 3.87 | 3.89 | 3.90 | 3.93 | 3.87 | 3.87 | 3.89 | 3.90 | 3.93 | 3.91 | 3.91 | 3.91 | 3.91 | 3.93 | 3.99 | 3.98 | 3.98 | 3.98 | 3.97 |

## Table 10 – 54K Cooling — 37MURA + 45MUAA (Continued)

| Airflow CFM | Out-door DB °F | ID WB °F | 60.8°F (16.0°C) | | | | | 64.4°F (16.0°C) | | | | | 67.0°F (19.4°C) | | | | | 71.6°F (22.0°C) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ID DB °F | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C |
| 1582 | -13°F 25°C | TC | 42207 | 42192 | 42180 | 42425 | 43674 | 44065 | 44041 | 44021 | 44018 | 43987 | 45380 | 45357 | 45327 | 45321 | 45290 | 47871 | 47858 | 47822 | 47811 | 47739 |
| | | S/T | 0.77 | 0.88 | 0.97 | 1.00 | 1.00 | 0.63 | 0.73 | 0.81 | 0.83 | 0.93 | 0.54 | 0.63 | 0.71 | 0.73 | 0.83 | 0.39 | 0.46 | 0.54 | 0.56 | 0.65 |
| | | PI | 2.89 | 2.89 | 2.89 | 2.89 | 2.88 | 2.87 | 2.87 | 2.87 | 2.87 | 2.87 | 2.87 | 2.87 | 2.87 | 2.87 | 2.87 | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 |
| | -4°F 20°C | TC | 45453 | 45437 | 45425 | 45689 | 47034 | 47455 | 47429 | 47407 | 47404 | 47371 | 48871 | 48846 | 48813 | 48808 | 48774 | 51553 | 51539 | 51501 | 51488 | 51411 |
| | | S/T | 0.78 | 0.88 | 0.97 | 1.00 | 1.00 | 0.63 | 0.73 | 0.82 | 0.83 | 0.93 | 0.54 | 0.64 | 0.72 | 0.73 | 0.83 | 0.39 | 0.47 | 0.55 | 0.56 | 0.65 |
| | | PI | 3.00 | 3.00 | 3.00 | 2.99 | 2.98 | 2.97 | 2.98 | 2.98 | 2.98 | 2.98 | 2.97 | 2.97 | 2.97 | 2.97 | 2.97 | 2.98 | 2.98 | 2.98 | 2.98 | 2.98 |
| | 0°F 17.8°C | TC | 46953 | 46933 | 47114 | 47474 | 48788 | 49001 | 48964 | 48935 | 48931 | 48922 | 50438 | 50409 | 50363 | 50356 | 50311 | 53156 | 53140 | 53143 | 53149 | 53188 |
| | | S/T | 0.78 | 0.89 | 0.99 | 1.00 | 1.00 | 0.64 | 0.74 | 0.83 | 0.84 | 0.95 | 0.54 | 0.64 | 0.73 | 0.74 | 0.84 | 0.39 | 0.47 | 0.55 | 0.57 | 0.66 |
| | | PI | 3.02 | 3.02 | 3.02 | 3.02 | 3.01 | 3.01 | 3.01 | 3.01 | 3.01 | 3.01 | 3.01 | 3.01 | 3.02 | 3.02 | 3.02 | 3.04 | 3.04 | 3.04 | 3.04 | 3.04 |
| | 5°F 15°C | TC | 48334 | 48378 | 49030 | 49255 | 50761 | 50633 | 50643 | 50649 | 50650 | 50899 | 52290 | 52286 | 52300 | 52301 | 52307 | 55414 | 55398 | 55399 | 55403 | 55433 |
| | | S/T | 0.79 | 0.90 | 1.00 | 1.00 | 1.00 | 0.64 | 0.75 | 0.84 | 0.85 | 0.96 | 0.54 | 0.65 | 0.73 | 0.75 | 0.85 | 0.39 | 0.47 | 0.55 | 0.57 | 0.66 |
| | | PI | 3.05 | 3.05 | 3.05 | 3.05 | 3.06 | 3.05 | 3.05 | 3.05 | 3.05 | 3.06 | 3.07 | 3.07 | 3.07 | 3.07 | 3.07 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 |
| | 14°F 10°C | TC | 49461 | 49442 | 49647 | 50081 | 51635 | 51944 | 51914 | 51889 | 51885 | 51857 | 53738 | 53713 | 53672 | 53665 | 53619 | 57118 | 57100 | 57059 | 57046 | 56958 |
| | | S/T | 0.78 | 0.89 | 0.99 | 1.00 | 1.00 | 0.64 | 0.74 | 0.82 | 0.84 | 0.94 | 0.54 | 0.64 | 0.72 | 0.74 | 0.83 | 0.39 | 0.47 | 0.55 | 0.56 | 0.65 |
| | | PI | 2.93 | 2.93 | 2.93 | 2.93 | 2.92 | 2.92 | 2.92 | 2.92 | 2.92 | 2.92 | 2.91 | 2.91 | 2.91 | 2.91 | 2.91 | 2.92 | 2.92 | 2.92 | 2.92 | 2.92 |
| | 17°F 10°C | TC | 49897 | 49910 | 50521 | 50812 | 52448 | 52402 | 52407 | 52418 | 52419 | 52667 | 54073 | 54094 | 54129 | 54132 | 54145 | 57670 | 57652 | 57658 | 57669 | 57722 |
| | | S/T | 0.79 | 0.89 | 1.00 | 1.00 | 1.00 | 0.64 | 0.74 | 0.83 | 0.85 | 0.95 | 0.55 | 0.65 | 0.73 | 0.75 | 0.85 | 0.39 | 0.47 | 0.55 | 0.57 | 0.66 |
| | | PI | 2.86 | 2.86 | 2.86 | 2.86 | 2.86 | 2.86 | 2.86 | 2.86 | 2.86 | 2.86 | 2.86 | 2.86 | 2.86 | 2.86 | 2.86 | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 |
| | 23°F 5°C | TC | 48448 | 48515 | 49305 | 49547 | 51166 | 50935 | 50948 | 50954 | 50956 | 51257 | 52731 | 52729 | 52745 | 52747 | 52756 | 56130 | 56113 | 56115 | 56123 | 56161 |
| | | S/T | 0.80 | 0.91 | 1.00 | 1.00 | 1.00 | 0.65 | 0.75 | 0.84 | 0.86 | 0.97 | 0.54 | 0.65 | 0.74 | 0.75 | 0.85 | 0.39 | 0.47 | 0.56 | 0.57 | 0.66 |
| | | PI | 3.08 | 3.08 | 3.09 | 3.09 | 3.10 | 3.10 | 3.10 | 3.10 | 3.10 | 3.10 | 3.12 | 3.12 | 3.12 | 3.12 | 3.12 | 3.17 | 3.17 | 3.17 | 3.17 | 3.18 |
| | 35°F 1.7°C | TC | 46213 | 46214 | 46304 | 46356 | 47547 | 48430 | 48424 | 48426 | 48427 | 48428 | 49987 | 49983 | 49978 | 49978 | 49984 | 52882 | 52869 | 52858 | 52866 | 52856 |
| | | S/T | 0.75 | 0.85 | 0.93 | 0.94 | 1.00 | 0.62 | 0.71 | 0.79 | 0.80 | 0.89 | 0.53 | 0.62 | 0.69 | 0.71 | 0.80 | 0.39 | 0.46 | 0.53 | 0.54 | 0.63 |
| | | PI | 3.30 | 3.30 | 3.31 | 3.31 | 3.41 | 3.49 | 3.49 | 3.49 | 3.49 | 3.49 | 3.64 | 3.64 | 3.64 | 3.64 | 3.64 | 3.96 | 3.96 | 3.96 | 3.96 | 3.96 |
| | 41°F 5°C | TC | 46202 | 46203 | 46331 | 46393 | 47710 | 48408 | 48402 | 48404 | 48404 | 48447 | 49957 | 49951 | 49947 | 49948 | 49953 | 52833 | 52820 | 52809 | 52815 | 52807 |
| | | S/T | 0.76 | 0.86 | 0.94 | 0.96 | 1.00 | 0.62 | 0.72 | 0.80 | 0.81 | 0.90 | 0.53 | 0.62 | 0.70 | 0.71 | 0.81 | 0.39 | 0.46 | 0.53 | 0.55 | 0.64 |
| | | PI | 3.75 | 3.75 | 3.77 | 3.78 | 3.91 | 3.99 | 3.99 | 3.99 | 3.99 | 3.99 | 4.17 | 4.17 | 4.17 | 4.17 | 4.17 | 4.54 | 4.54 | 4.54 | 4.54 | 4.54 |
| | 47°F 8.3°C | TC | 46187 | 46187 | 46365 | 46446 | 47875 | 48385 | 48378 | 48379 | 48379 | 48453 | 49926 | 49920 | 49916 | 49917 | 49920 | 52791 | 52777 | 52773 | 52772 | 52764 |
| | | S/T | 0.77 | 0.87 | 0.95 | 0.97 | 1.00 | 0.63 | 0.72 | 0.81 | 0.82 | 0.91 | 0.53 | 0.63 | 0.71 | 0.72 | 0.82 | 0.39 | 0.46 | 0.54 | 0.55 | 0.64 |
| | | PI | 4.20 | 4.20 | 4.23 | 4.24 | 4.41 | 4.48 | 4.48 | 4.48 | 4.48 | 4.49 | 4.69 | 4.69 | 4.69 | 4.69 | 4.69 | 5.12 | 5.11 | 5.11 | 5.11 | 5.11 |
| | 50°F 10°C | TC | 45199 | 45938 | 47472 | 47744 | 49573 | 47855 | 47883 | 48039 | 48100 | 49631 | 49739 | 49803 | 49832 | 49835 | 50060 | 53323 | 53349 | 53478 | 53493 | 53564 |
| | | S/T | 0.87 | 1.00 | 1.00 | 1.00 | 1.00 | 0.69 | 0.81 | 0.92 | 0.94 | 1.00 | 0.57 | 0.69 | 0.80 | 0.81 | 0.93 | 0.39 | 0.49 | 0.58 | 0.60 | 0.71 |
| | | PI | 4.61 | 4.61 | 4.61 | 4.61 | 4.60 | 4.61 | 4.61 | 4.61 | 4.61 | 4.60 | 4.60 | 4.60 | 4.60 | 4.60 | 4.60 | 4.60 | 4.60 | 4.60 | 4.60 | 4.60 |
| | 59°F 15°C | TC | 44799 | 45878 | 47493 | 47779 | 49701 | 47533 | 47554 | 47790 | 47882 | 49758 | 49507 | 49560 | 49580 | 49582 | 49910 | 53288 | 53302 | 53407 | 53419 | 53471 |
| | | S/T | 0.88 | 1.00 | 1.00 | 1.00 | 1.00 | 0.70 | 0.83 | 0.94 | 0.97 | 1.00 | 0.58 | 0.71 | 0.81 | 0.83 | 0.96 | 0.39 | 0.50 | 0.59 | 0.61 | 0.73 |
| | | PI | 4.32 | 4.33 | 4.34 | 4.34 | 4.35 | 4.34 | 4.34 | 4.34 | 4.34 | 4.35 | 4.35 | 4.35 | 4.35 | 4.35 | 4.35 | 4.38 | 4.38 | 4.38 | 4.38 | 4.38 |
| | 68°F 20°C | TC | 44441 | 45875 | 47563 | 47863 | 49875 | 47219 | 47234 | 47603 | 47914 | 49931 | 49274 | 49314 | 49328 | 49330 | 49891 | 53205 | 53223 | 53308 | 53318 | 53356 |
| | | S/T | 0.91 | 1.00 | 1.00 | 1.00 | 1.00 | 0.72 | 0.85 | 0.97 | 1.00 | 1.00 | 0.59 | 0.72 | 0.84 | 0.86 | 0.99 | 0.40 | 0.50 | 0.61 | 0.62 | 0.75 |
| | | PI | 4.04 | 4.06 | 4.08 | 4.08 | 4.11 | 4.08 | 4.08 | 4.08 | 4.08 | 4.11 | 4.10 | 4.10 | 4.10 | 4.10 | 4.11 | 4.16 | 4.16 | 4.15 | 4.15 | 4.15 |
| | 77°F 25°C | TC | 43997 | 45683 | 47454 | 47769 | 49881 | 46858 | 46880 | 47419 | 47826 | 49939 | 48997 | 49053 | 49076 | 49133 | 49984 | 53067 | 53115 | 53233 | 53246 | 53304 |
| | | S/T | 0.92 | 1.00 | 1.00 | 1.00 | 1.00 | 0.72 | 0.87 | 0.99 | 1.00 | 1.00 | 0.59 | 0.73 | 0.85 | 0.86 | 1.00 | 0.40 | 0.51 | 0.61 | 0.63 | 0.76 |
| | | PI | 3.80 | 3.82 | 3.83 | 3.84 | 3.86 | 3.83 | 3.83 | 3.83 | 3.84 | 3.86 | 3.85 | 3.85 | 3.85 | 3.85 | 3.86 | 3.89 | 3.89 | 3.89 | 3.89 | 3.89 |
| | 82°F 27.8°C | TC | 43918 | 45780 | 47604 | 47929 | 50108 | 46817 | 46893 | 47662 | 47987 | 50165 | 49007 | 49072 | 49097 | 49174 | 50210 | 53157 | 53225 | 53357 | 53372 | 53436 |
| | | S/T | 0.94 | 1.00 | 1.00 | 1.00 | 1.00 | 0.73 | 0.87 | 1.00 | 1.00 | 1.00 | 0.60 | 0.74 | 0.86 | 0.87 | 1.00 | 0.40 | 0.51 | 0.62 | 0.63 | 0.76 |
| | | PI | 3.99 | 4.00 | 4.02 | 4.02 | 4.04 | 4.01 | 4.01 | 4.02 | 4.02 | 4.04 | 4.04 | 4.03 | 4.03 | 4.03 | 4.04 | 4.08 | 4.08 | 4.07 | 4.07 | 4.07 |
| | 86°F 30°C | TC | 44033 | 46073 | 47942 | 48272 | 50522 | 46941 | 47039 | 47999 | 48330 | 50562 | 49180 | 49238 | 49316 | 49361 | 50609 | 53408 | 53485 | 53610 | 53624 | 53679 |
| | | S/T | 0.95 | 1.00 | 1.00 | 1.00 | 1.00 | 0.74 | 0.88 | 1.00 | 1.00 | 1.00 | 0.60 | 0.75 | 0.86 | 0.88 | 1.00 | 0.40 | 0.51 | 0.62 | 0.64 | 0.77 |
| | | PI | 4.53 | 4.55 | 4.57 | 4.58 | 4.61 | 4.56 | 4.56 | 4.57 | 4.58 | 4.60 | 4.59 | 4.59 | 4.59 | 4.59 | 4.60 | 4.65 | 4.65 | 4.64 | 4.64 | 4.64 |
| | 95°F 35°C | TC | 44849 | 44929 | 45894 | 46164 | 47974 | 47718 | 47729 | 47746 | 47748 | 48072 | 49778 | 49783 | 49809 | 49813 | 49835 | 53737 | 53718 | 53723 | 53721 | 53761 |
| | | S/T | 0.80 | 0.91 | 1.00 | 1.00 | 1.00 | 0.65 | 0.75 | 0.84 | 0.86 | 0.96 | 0.54 | 0.65 | 0.73 | 0.75 | 0.85 | 0.39 | 0.47 | 0.55 | 0.56 | 0.66 |
| | | PI | 5.54 | 5.55 | 5.60 | 5.62 | 5.73 | 5.71 | 5.71 | 5.71 | 5.71 | 5.73 | 5.84 | 5.84 | 5.84 | 5.84 | 5.84 | 6.09 | 6.09 | 6.08 | 6.08 | 6.09 |
| | 104°F 40°C | TC | 38073 | 38209 | 39310 | 39541 | 41109 | 40509 | 40523 | 40533 | 40535 | 41069 | 42259 | 42267 | 42289 | 42292 | 42306 | 45618 | 45601 | 45611 | 45602 | 45646 |
| | | S/T | 0.82 | 0.94 | 1.00 | 1.00 | 1.00 | 0.66 | 0.77 | 0.86 | 0.88 | 1.00 | 0.55 | 0.66 | 0.75 | 0.77 | 0.87 | 0.39 | 0.47 | 0.56 | 0.58 | 0.67 |
| | | PI | 4.83 | 4.83 | 4.90 | 4.91 | 5.01 | 4.97 | 4.97 | 4.97 | 4.97 | 5.01 | 5.08 | 5.08 | 5.08 | 5.08 | 5.08 | 5.29 | 5.29 | 5.29 | 5.29 | 5.29 |
| | 110°F 43°C | TC | 33788 | 34701 | 36018 | 36251 | 37808 | 36094 | 36107 | 36264 | 36334 | 37850 | 37743 | 37765 | 37778 | 37778 | 37999 | 40912 | 40894 | 40935 | 40942 | 40972 |
| | | S/T | 0.89 | 1.00 | 1.00 | 1.00 | 1.00 | 0.70 | 0.83 | 0.94 | 0.96 | 1.00 | 0.58 | 0.70 | 0.81 | 0.83 | 0.96 | 0.39 | 0.49 | 0.59 | 0.61 | 0.73 |
| | | PI | 4.44 | 4.48 | 4.54 | 4.55 | 4.62 | 4.55 | 4.55 | 4.55 | 4.56 | 4.63 | 4.63 | 4.62 | 4.62 | 4.62 | 4.63 | 4.78 | 4.78 | 4.77 | 4.77 | 4.77 |
| | 115°F 46°C | TC | 30512 | 31661 | 32905 | 33126 | 34603 | 32590 | 32598 | 32883 | 33168 | 34643 | 34145 | 34176 | 34185 | 34186 | 34674 | 37056 | 37039 | 37097 | 37102 | 37121 |
| | | S/T | 0.92 | 1.00 | 1.00 | 1.00 | 1.00 | 0.72 | 0.86 | 0.98 | 1.00 | 1.00 | 0.59 | 0.73 | 0.84 | 0.86 | 1.00 | 0.40 | 0.50 | 0.61 | 0.63 | 0.75 |
| | | PI | 4.30 | 4.34 | 4.40 | 4.40 | 4.47 | 4.38 | 4.38 | 4.40 | 4.41 | 4.47 | 4.46 | 4.46 | 4.46 | 4.46 | 4.47 | 4.58 | 4.58 | 4.58 | 4.58 | 4.57 |
| | 122°F 50°C | TC | 26541 | 27994 | 29240 | 29462 | 30942 | 27770 | 27988 | 29274 | 29495 | 30973 | 29244 | 29242 | 29396 | 29483 | 31001 | 32006 | 32069 | 32086 | 32085 | 32067 |
| | | S/T | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.80 | 0.98 | 1.00 | 1.00 | 1.00 | 0.64 | 0.81 | 0.95 | 0.98 | 1.00 | 0.41 | 0.54 | 0.67 | 0.69 | 0.84 |
| | | PI | 4.17 | 4.21 | 4.24 | 4.25 | 4.29 | 4.21 | 4.21 | 4.24 | 4.25 | 4.29 | 4.25 | 4.25 | 4.25 | 4.25 | 4.29 | 4.34 | 4.33 | 4.32 | 4.32 | 4.31 |

## Table 10 – 54K Cooling — 37MURA + 45MUAA (Continued)

| Airflow CFM | Out-door DB °F | ID WB °F | 60.8°F (16.0°C) | | | | | 64.4°F (16.0°C) | | | | | 67.0°F (19.4°C) | | | | | 71.6°F (22.0°C) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ID DB °F | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C |
| 1806 | -13°F 25°C | TC | 46842 | 46820 | 47488 | 47685 | 48997 | 48872 | 48832 | 48801 | 48797 | 48756 | 50334 | 50270 | 50223 | 50216 | 50168 | 53092 | 53078 | 52969 | 52949 | 52837 |
| | | S/T | 0.80 | 0.91 | 1.00 | 1.00 | 1.00 | 0.65 | 0.75 | 0.85 | 0.86 | 0.97 | 0.55 | 0.65 | 0.74 | 0.76 | 0.86 | 0.39 | 0.47 | 0.56 | 0.57 | 0.67 |
| | | PI | 3.16 | 3.17 | 3.16 | 3.16 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.14 | 3.14 | 3.15 | 3.15 | 3.15 | 3.16 | 3.16 | 3.16 | 3.16 | 3.17 |
| | -4°F 20°C | TC | 50445 | 50422 | 51141 | 51353 | 52766 | 52632 | 52589 | 52555 | 52550 | 52507 | 54206 | 54137 | 54086 | 54079 | 54027 | 57176 | 57161 | 57043 | 57022 | 56901 |
| | | S/T | 0.80 | 0.92 | 1.00 | 1.00 | 1.00 | 0.65 | 0.76 | 0.85 | 0.87 | 0.98 | 0.55 | 0.65 | 0.74 | 0.76 | 0.86 | 0.39 | 0.48 | 0.56 | 0.57 | 0.67 |
| | | PI | 3.28 | 3.28 | 3.27 | 3.27 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.28 | 3.28 | 3.28 | 3.28 | 3.28 |
| | 0°F 17.8°C | TC | 52119 | 52088 | 53055 | 53276 | 54739 | 54354 | 54294 | 54252 | 54246 | 54791 | 55952 | 55873 | 55803 | 55795 | 55768 | 58961 | 58947 | 58942 | 58950 | 58989 |
| | | S/T | 0.81 | 0.93 | 1.00 | 1.00 | 1.00 | 0.66 | 0.77 | 0.86 | 0.88 | 1.00 | 0.55 | 0.66 | 0.75 | 0.77 | 0.87 | 0.39 | 0.48 | 0.57 | 0.58 | 0.68 |
| | | PI | 3.31 | 3.31 | 3.30 | 3.30 | 3.31 | 3.30 | 3.30 | 3.30 | 3.30 | 3.31 | 3.31 | 3.31 | 3.31 | 3.31 | 3.31 | 3.34 | 3.34 | 3.34 | 3.34 | 3.35 |
| | 5°F 15°C | TC | 53613 | 53798 | 55028 | 55282 | 56985 | 56128 | 56142 | 56146 | 56203 | 57041 | 57923 | 57937 | 57949 | 57951 | 58028 | 61320 | 61301 | 61334 | 61340 | 61367 |
| | | S/T | 0.82 | 0.94 | 1.00 | 1.00 | 1.00 | 0.66 | 0.78 | 0.87 | 0.88 | 1.00 | 0.56 | 0.67 | 0.76 | 0.78 | 0.88 | 0.39 | 0.48 | 0.57 | 0.59 | 0.69 |
| | | PI | 3.33 | 3.33 | 3.34 | 3.34 | 3.36 | 3.35 | 3.35 | 3.35 | 3.35 | 3.36 | 3.37 | 3.37 | 3.37 | 3.37 | 3.37 | 3.44 | 3.44 | 3.44 | 3.44 | 3.45 |
| | 14°F 10°C | TC | 54904 | 54877 | 55997 | 56260 | 58004 | 57630 | 57579 | 57540 | 57534 | 58072 | 59605 | 59530 | 59469 | 59460 | 59400 | 63379 | 63359 | 63238 | 63216 | 63081 |
| | | S/T | 0.81 | 0.93 | 1.00 | 1.00 | 1.00 | 0.65 | 0.76 | 0.86 | 0.87 | 1.00 | 0.55 | 0.66 | 0.75 | 0.76 | 0.87 | 0.39 | 0.48 | 0.56 | 0.57 | 0.67 |
| | | PI | 3.21 | 3.21 | 3.21 | 3.20 | 3.20 | 3.20 | 3.20 | 3.20 | 3.20 | 3.20 | 3.19 | 3.19 | 3.20 | 3.20 | 3.20 | 3.21 | 3.21 | 3.21 | 3.21 | 3.21 |
| | 17°F 10°C | TC | 55204 | 55384 | 56664 | 56940 | 58790 | 57952 | 57976 | 57987 | 58035 | 58853 | 59930 | 59952 | 59976 | 59979 | 60053 | 63737 | 63719 | 63709 | 63721 | 63775 |
| | | S/T | 0.82 | 0.93 | 1.00 | 1.00 | 1.00 | 0.66 | 0.77 | 0.87 | 0.88 | 1.00 | 0.55 | 0.66 | 0.76 | 0.77 | 0.87 | 0.39 | 0.48 | 0.57 | 0.58 | 0.68 |
| | | PI | 3.14 | 3.14 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.14 | 3.14 | 3.14 | 3.14 | 3.14 | 3.16 | 3.16 | 3.16 | 3.16 | 3.17 |
| | 23°F 5°C | TC | 53739 | 53970 | 55367 | 55640 | 57473 | 56460 | 56477 | 56484 | 56558 | 57535 | 58408 | 58428 | 58443 | 58445 | 58539 | 62105 | 62086 | 62130 | 62139 | 62174 |
| | | S/T | 0.83 | 0.95 | 1.00 | 1.00 | 1.00 | 0.66 | 0.78 | 0.88 | 0.89 | 1.00 | 0.56 | 0.67 | 0.76 | 0.78 | 0.89 | 0.39 | 0.48 | 0.57 | 0.59 | 0.69 |
| | | PI | 3.38 | 3.38 | 3.39 | 3.39 | 3.41 | 3.40 | 3.40 | 3.40 | 3.40 | 3.41 | 3.42 | 3.42 | 3.42 | 3.43 | 3.43 | 3.49 | 3.49 | 3.49 | 3.49 | 3.49 |
| | 35°F 1.7°C | TC | 51299 | 51301 | 51602 | 51746 | 53415 | 53697 | 53695 | 53699 | 53700 | 53842 | 55378 | 55374 | 55377 | 55378 | 55384 | 58496 | 58482 | 58479 | 58477 | 58482 |
| | | S/T | 0.78 | 0.88 | 0.97 | 0.99 | 1.00 | 0.63 | 0.73 | 0.82 | 0.83 | 0.93 | 0.54 | 0.63 | 0.72 | 0.73 | 0.83 | 0.39 | 0.46 | 0.54 | 0.56 | 0.65 |
| | | PI | 3.61 | 3.61 | 3.64 | 3.65 | 3.81 | 3.83 | 3.83 | 3.83 | 3.83 | 3.85 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.35 | 4.35 | 4.35 | 4.35 | 4.35 |
| | 41°F 5°C | TC | 51284 | 51284 | 51693 | 52052 | 53591 | 53669 | 53668 | 53670 | 53671 | 53859 | 55343 | 55339 | 55343 | 55344 | 55347 | 58448 | 58434 | 58430 | 58428 | 58434 |
| | | S/T | 0.78 | 0.89 | 0.98 | 1.00 | 1.00 | 0.64 | 0.74 | 0.83 | 0.84 | 0.94 | 0.54 | 0.64 | 0.72 | 0.74 | 0.84 | 0.39 | 0.47 | 0.55 | 0.56 | 0.66 |
| | | PI | 4.11 | 4.11 | 4.15 | 4.19 | 4.36 | 4.37 | 4.37 | 4.37 | 4.37 | 4.39 | 4.57 | 4.57 | 4.57 | 4.57 | 4.57 | 4.98 | 4.98 | 4.98 | 4.98 | 4.98 |
| | 47°F 8.3°C | TC | 51267 | 51301 | 51989 | 52221 | 53766 | 53644 | 53642 | 53643 | 53642 | 53891 | 55310 | 55305 | 55309 | 55308 | 55308 | 58406 | 58391 | 58387 | 58384 | 58390 |
| | | S/T | 0.79 | 0.90 | 1.00 | 1.00 | 1.00 | 0.64 | 0.75 | 0.84 | 0.85 | 0.96 | 0.54 | 0.65 | 0.73 | 0.75 | 0.85 | 0.39 | 0.47 | 0.55 | 0.57 | 0.67 |
| | | PI | 4.61 | 4.62 | 4.70 | 4.73 | 4.93 | 4.92 | 4.92 | 4.92 | 4.92 | 4.95 | 5.15 | 5.14 | 5.14 | 5.15 | 5.15 | 5.61 | 5.61 | 5.61 | 5.61 | 5.61 |
| | 50°F 10°C | TC | 50211 | 51593 | 53334 | 53643 | 55723 | 53045 | 53075 | 53442 | 53610 | 55776 | 55115 | 55187 | 55215 | 55219 | 55750 | 58914 | 59069 | 59221 | 59239 | 59313 |
| | | S/T | 0.90 | 1.00 | 1.00 | 1.00 | 1.00 | 0.71 | 0.85 | 0.96 | 0.99 | 1.00 | 0.59 | 0.72 | 0.83 | 0.85 | 0.99 | 0.40 | 0.50 | 0.60 | 0.62 | 0.74 |
| | | PI | 5.06 | 5.06 | 5.06 | 5.06 | 5.05 | 5.06 | 5.06 | 5.06 | 5.06 | 5.05 | 5.05 | 5.05 | 5.05 | 5.05 | 5.05 | 5.05 | 5.05 | 5.05 | 5.05 | 5.05 |
| | 59°F 15°C | TC | 49798 | 51545 | 53374 | 53699 | 55884 | 52688 | 52760 | 53359 | 53756 | 55939 | 54862 | 54917 | 54936 | 55016 | 55985 | 58911 | 59028 | 59146 | 59159 | 59209 |
| | | S/T | 0.92 | 1.00 | 1.00 | 1.00 | 1.00 | 0.73 | 0.86 | 1.00 | 1.00 | 1.00 | 0.60 | 0.73 | 0.85 | 0.86 | 1.00 | 0.40 | 0.51 | 0.61 | 0.63 | 0.76 |
| | | PI | 4.74 | 4.75 | 4.77 | 4.77 | 4.78 | 4.76 | 4.76 | 4.77 | 4.77 | 4.78 | 4.78 | 4.78 | 4.78 | 4.78 | 4.78 | 4.81 | 4.81 | 4.81 | 4.81 | 4.80 |
| | 68°F 20°C | TC | 49363 | 51470 | 53379 | 53718 | 55997 | 52259 | 52376 | 53437 | 53776 | 56053 | 54518 | 54559 | 54657 | 54705 | 56099 | 58743 | 58852 | 58945 | 58954 | 58985 |
| | | S/T | 0.95 | 1.00 | 1.00 | 1.00 | 1.00 | 0.74 | 0.89 | 1.00 | 1.00 | 1.00 | 0.61 | 0.75 | 0.87 | 0.89 | 1.00 | 0.40 | 0.51 | 0.63 | 0.65 | 0.78 |
| | | PI | 4.43 | 4.46 | 4.48 | 4.49 | 4.52 | 4.47 | 4.47 | 4.49 | 4.49 | 4.52 | 4.50 | 4.50 | 4.50 | 4.50 | 4.52 | 4.57 | 4.56 | 4.56 | 4.56 | 4.55 |
| | 77°F 25°C | TC | 48891 | 51245 | 53251 | 53606 | 56001 | 51831 | 51995 | 53309 | 53665 | 56057 | 54178 | 54239 | 54377 | 54438 | 56104 | 58515 | 58692 | 58828 | 58843 | 58897 |
| | | S/T | 0.97 | 1.00 | 1.00 | 1.00 | 1.00 | 0.75 | 0.90 | 1.00 | 1.00 | 1.00 | 0.61 | 0.76 | 0.88 | 0.90 | 1.00 | 0.40 | 0.52 | 0.63 | 0.65 | 0.79 |
| | | PI | 4.17 | 4.20 | 4.21 | 4.22 | 4.24 | 4.20 | 4.20 | 4.21 | 4.22 | 4.24 | 4.23 | 4.23 | 4.22 | 4.23 | 4.24 | 4.28 | 4.27 | 4.27 | 4.27 | 4.26 |
| | 82°F 27.8°C | TC | 48841 | 51334 | 53404 | 53766 | 56229 | 51756 | 51956 | 53451 | 53827 | 56287 | 54163 | 54232 | 54400 | 54467 | 56337 | 58562 | 58782 | 58935 | 58951 | 59015 |
| | | S/T | 0.99 | 1.00 | 1.00 | 1.00 | 1.00 | 0.76 | 0.91 | 1.00 | 1.00 | 1.00 | 0.62 | 0.77 | 0.89 | 0.92 | 1.00 | 0.40 | 0.52 | 0.64 | 0.66 | 0.80 |
| | | PI | 4.38 | 4.40 | 4.42 | 4.42 | 4.44 | 4.40 | 4.41 | 4.42 | 4.42 | 4.44 | 4.43 | 4.43 | 4.43 | 4.43 | 4.44 | 4.48 | 4.47 | 4.47 | 4.47 | 4.47 |
| | 86°F 30°C | TC | 49233 | 51691 | 53805 | 54180 | 56703 | 51921 | 52159 | 53865 | 54242 | 56762 | 54381 | 54443 | 54643 | 54722 | 56811 | 58873 | 59101 | 59241 | 59256 | 59311 |
| | | S/T | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.77 | 0.93 | 1.00 | 1.00 | 1.00 | 0.62 | 0.78 | 0.91 | 0.93 | 1.00 | 0.40 | 0.52 | 0.64 | 0.66 | 0.81 |
| | | PI | 4.97 | 5.00 | 5.03 | 5.03 | 5.06 | 5.01 | 5.01 | 5.03 | 5.03 | 5.06 | 5.04 | 5.04 | 5.04 | 5.04 | 5.06 | 5.11 | 5.10 | 5.09 | 5.09 | 5.09 |
| | 95°F 35°C | TC | 49751 | 50019 | 51636 | 51942 | 53995 | 52875 | 52905 | 52922 | 52985 | 54063 | 55144 | 55155 | 55189 | 55194 | 55286 | 59420 | 59397 | 59409 | 59426 | 59506 |
| | | S/T | 0.83 | 0.95 | 1.00 | 1.00 | 1.00 | 0.66 | 0.78 | 0.88 | 0.89 | 1.00 | 0.56 | 0.67 | 0.76 | 0.78 | 0.88 | 0.39 | 0.48 | 0.57 | 0.58 | 0.68 |
| | | PI | 6.08 | 6.09 | 6.19 | 6.21 | 6.33 | 6.27 | 6.27 | 6.27 | 6.27 | 6.34 | 6.41 | 6.41 | 6.41 | 6.41 | 6.42 | 6.67 | 6.67 | 6.67 | 6.67 | 6.67 |
| | 104°F 40°C | TC | 42237 | 42624 | 44228 | 44495 | 46269 | 44898 | 44924 | 45003 | 45051 | 46326 | 46814 | 46833 | 46857 | 46860 | 46993 | 50458 | 50439 | 50463 | 50480 | 50533 |
| | | S/T | 0.85 | 0.98 | 1.00 | 1.00 | 1.00 | 0.68 | 0.80 | 0.90 | 0.92 | 1.00 | 0.56 | 0.68 | 0.78 | 0.80 | 0.91 | 0.39 | 0.48 | 0.58 | 0.59 | 0.70 |
| | | PI | 5.29 | 5.32 | 5.41 | 5.43 | 5.54 | 5.46 | 5.46 | 5.46 | 5.46 | 5.54 | 5.58 | 5.58 | 5.57 | 5.58 | 5.58 | 5.80 | 5.80 | 5.80 | 5.80 | 5.80 |
| | 110°F 43°C | TC | 37585 | 39029 | 40517 | 40780 | 42546 | 40014 | 40026 | 40473 | 40827 | 42591 | 41816 | 41848 | 41858 | 41890 | 42628 | 45260 | 45263 | 45333 | 45340 | 45366 |
| | | S/T | 0.92 | 1.00 | 1.00 | 1.00 | 1.00 | 0.72 | 0.87 | 0.99 | 1.00 | 1.00 | 0.60 | 0.73 | 0.85 | 0.86 | 1.00 | 0.40 | 0.51 | 0.61 | 0.63 | 0.76 |
| | | PI | 4.88 | 4.94 | 5.01 | 5.02 | 5.10 | 4.99 | 4.99 | 5.01 | 5.03 | 5.11 | 5.08 | 5.08 | 5.07 | 5.08 | 5.11 | 5.24 | 5.24 | 5.24 | 5.24 | 5.24 |
| | 115°F 46°C | TC | 33965 | 35601 | 37008 | 37283 | 38925 | 36120 | 36192 | 37050 | 37331 | 38965 | 37803 | 37826 | 37878 | 37915 | 38999 | 40990 | 41021 | 41077 | 41083 | 41096 |
| | | S/T | 0.96 | 1.00 | 1.00 | 1.00 | 1.00 | 0.75 | 0.89 | 1.00 | 1.00 | 1.00 | 0.61 | 0.75 | 0.87 | 0.90 | 1.00 | 0.40 | 0.52 | 0.63 | 0.65 | 0.78 |
| | | PI | 4.73 | 4.80 | 4.86 | 4.88 | 4.94 | 4.83 | 4.83 | 4.86 | 4.89 | 4.94 | 4.90 | 4.90 | 4.90 | 4.90 | 4.94 | 5.04 | 5.04 | 5.04 | 5.04 | 5.03 |
| | 122°F 50°C | TC | 29491 | 31118 | 32511 | 32754 | 34408 | 30432 | 31151 | 32548 | 32790 | 34441 | 32048 | 32038 | 32571 | 32816 | 34462 | 34994 | 35129 | 35137 | 35134 | 35181 |
| | | S/T | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.84 | 1.00 | 1.00 | 1.00 | 1.00 | 0.67 | 0.85 | 1.00 | 1.00 | 1.00 | 0.41 | 0.55 | 0.69 | 0.72 | 0.88 |
| | | PI | 4.58 | 4.62 | 4.66 | 4.67 | 4.71 | 4.61 | 4.63 | 4.66 | 4.67 | 4.71 | 4.65 | 4.65 | 4.66 | 4.67 | 4.71 | 4.76 | 4.74 | 4.73 | 4.73 | 4.73 |

# HEATING PERFORMANCE - 37MURA + 45MUAA

Extrapolated Data: The highlighted data is tested; other data is simulated and for reference.

**Table 11 – 18K Heating — 37MURA + 45MUAA**

| AIRFLOW (CFM) | OUTDOOR DB (°F) | HEATING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | TC: Total Heating Capacity (BTU/hr) | | | | | PI: Power Input (kW) | | | | |
| | | Indoor Conditions (DB °F) | | | | | Indoor Conditions (DB °F) | | | | |
| | | 60.8°F (16.0°C) | 68°F (20.0°C) | 70°F (21.1°C) | 71.6°F (22.0°C) | 75.2°F (24.0°C) | 60.8°F (16.0°C) | 68°F (20.0°C) | 70°F (21.1°C) | 71.6°F (22.0°C) | 75.2°F (24.0°C) |
| 490 | -13°F (-25.0°C) | 6758 | 6623 | 6590 | 6263 | 6206 | 1.44 | 1.45 | 1.46 | 1.46 | 1.47 |
| | -4°F (-20.0°C) | 8417 | 8249 | 8208 | 7800 | 7730 | 1.50 | 1.52 | 1.52 | 1.52 | 1.53 |
| | 0°F (-17.8°C) | 9316 | 9130 | 9084 | 8633 | 8555 | 1.52 | 1.53 | 1.53 | 1.54 | 1.54 |
| | 5°F (-15.0°C) | 10439 | 10231 | 10179 | 9674 | 9587 | 1.54 | 1.55 | 1.55 | 1.56 | 1.56 |
| | 14°F (-10.0°C) | 11301 | 11075 | 11020 | 10472 | 10378 | 1.56 | 1.58 | 1.58 | 1.58 | 1.59 |
| | 17°F (-8.3°C) | 11588 | 11356 | 11300 | 10739 | 10642 | 1.57 | 1.58 | 1.59 | 1.59 | 1.60 |
| | 22°F (-5.6°C) | 12365 | 12117 | 12057 | 11458 | 11355 | 1.59 | 1.60 | 1.60 | 1.61 | 1.61 |
| | 27°F (-2.8°C) | 13141 | 12878 | 12814 | 12178 | 12068 | 1.60 | 1.61 | 1.62 | 1.62 | 1.63 |
| | 32°F (0.0°C) | 13918 | 13639 | 13571 | 12897 | 12781 | 1.62 | 1.63 | 1.63 | 1.64 | 1.64 |
| | 35°F (1.7°C) | 14384 | 14096 | 14025 | 13329 | 13209 | 1.63 | 1.64 | 1.64 | 1.65 | 1.65 |
| | 37°F (2.8°C) | 14917 | 14618 | 14545 | 13823 | 13699 | 1.62 | 1.63 | 1.63 | 1.64 | 1.64 |
| | 42°F (5.6°C) | 16250 | 15925 | 15845 | 15058 | 14923 | 1.59 | 1.60 | 1.61 | 1.61 | 1.62 |
| | 44.6°F (7.0°C) | 16783 | 16447 | 16365 | 15552 | 15412 | 1.58 | 1.59 | 1.59 | 1.60 | 1.60 |
| | 47°F (8.3°C) | 17583 | 17231 | 17145 | 16294 | 16147 | 1.56 | 1.58 | 1.58 | 1.58 | 1.59 |
| | 52°F (11.1°C) | 16585 | 16253 | 16172 | 15369 | 15231 | 1.48 | 1.49 | 1.49 | 1.49 | 1.50 |
| | 57F (13.9°C) | 15588 | 15276 | 15199 | 14445 | 14315 | 1.39 | 1.40 | 1.40 | 1.41 | 1.41 |
| | 59°F (15.0°C) | 15189 | 14885 | 14810 | 14075 | 13948 | 1.36 | 1.37 | 1.37 | 1.37 | 1.38 |
| | 62°F (16.7°C) | 14590 | 14298 | 14227 | 13520 | 13399 | 1.30 | 1.31 | 1.32 | 1.32 | 1.32 |
| | 64.4°F (18.0°C) | 14111 | 13829 | 13760 | 13077 | 12959 | 1.26 | 1.27 | 1.27 | 1.28 | 1.28 |
| | 69.8°F (21.0°C) | 13034 | 12773 | 12709 | 12078 | 11970 | 1.17 | 1.18 | 1.18 | 1.18 | 1.19 |
| | 75.2°F (24.0°C) | 11957 | 11717 | 11659 | 11080 | 10980 | 1.08 | 1.08 | 1.09 | 1.09 | 1.09 |
| 530 | -13°F (-25.0°C) | 7014 | 6874 | 6839 | 6654 | 6594 | 1.46 | 1.47 | 1.47 | 1.47 | 1.48 |
| | -4°F (-20.0°C) | 8736 | 8561 | 8518 | 8287 | 8213 | 1.52 | 1.53 | 1.53 | 1.54 | 1.54 |
| | 0°F (-17.8°C) | 9668 | 9475 | 9428 | 9172 | 9090 | 1.53 | 1.55 | 1.55 | 1.55 | 1.56 |
| | 5°F (-15.0°C) | 10834 | 10618 | 10565 | 10278 | 10186 | 1.55 | 1.57 | 1.57 | 1.57 | 1.58 |
| | 14°F (-10.0°C) | 11729 | 11494 | 11437 | 11127 | 11027 | 1.58 | 1.59 | 1.59 | 1.60 | 1.60 |
| | 17°F (-8.3°C) | 12027 | 11786 | 11727 | 11409 | 11307 | 1.59 | 1.60 | 1.60 | 1.61 | 1.61 |
| | 22°F (-5.6°C) | 12832 | 12576 | 12513 | 12174 | 12064 | 1.60 | 1.62 | 1.62 | 1.62 | 1.63 |
| | 27°F (-2.8°C) | 13638 | 13366 | 13299 | 12938 | 12822 | 1.62 | 1.63 | 1.63 | 1.64 | 1.64 |
| | 32°F (0.0°C) | 14444 | 14155 | 14085 | 13703 | 13580 | 1.63 | 1.65 | 1.65 | 1.65 | 1.66 |
| | 35°F (1.7°C) | 14928 | 14629 | 14556 | 14162 | 14034 | 1.64 | 1.66 | 1.66 | 1.66 | 1.67 |
| | 37°F (2.8°C) | 15481 | 15171 | 15096 | 14687 | 14554 | 1.63 | 1.65 | 1.65 | 1.65 | 1.66 |
| | 42°F (5.6°C) | 16864 | 16527 | 16445 | 15999 | 15855 | 1.61 | 1.62 | 1.62 | 1.62 | 1.63 |
| | 44.6°F (7.0°C) | 17418 | 17069 | 16984 | 16524 | 16375 | 1.59 | 1.61 | 1.61 | 1.61 | 1.62 |
| | 47°F (8.3°C) | 18248 | 17883 | 17793 | 17311 | 17156 | 1.58 | 1.59 | 1.59 | 1.60 | 1.60 |
| | 52°F (11.1°C) | 17213 | 16868 | 16784 | 16329 | 16182 | 1.49 | 1.50 | 1.51 | 1.51 | 1.52 |
| | 57F (13.9°C) | 16177 | 15854 | 15774 | 15347 | 15209 | 1.40 | 1.42 | 1.42 | 1.42 | 1.43 |
| | 59°F (15.0°C) | 15763 | 15448 | 15371 | 14954 | 14820 | 1.37 | 1.38 | 1.38 | 1.39 | 1.39 |
| | 62°F (16.7°C) | 15142 | 14839 | 14765 | 14365 | 14236 | 1.32 | 1.33 | 1.33 | 1.33 | 1.34 |
| | 64.4°F (18.0°C) | 14645 | 14352 | 14280 | 13893 | 13768 | 1.27 | 1.29 | 1.29 | 1.29 | 1.30 |
| | 69.8°F (21.0°C) | 13527 | 13256 | 13190 | 12833 | 12717 | 1.18 | 1.19 | 1.19 | 1.20 | 1.20 |
| | 75.2°F (24.0°C) | 12409 | 12161 | 12100 | 11772 | 11666 | 1.09 | 1.10 | 1.10 | 1.10 | 1.10 |

## Table 11 – 18K Heating — 37MURA + 45MUAA (Continued)

| AIRFLOW (CFM) | OUTDOOR DB (°F) | HEATING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | TC: Total Heating Capacity (BTU/hr) | | | | | PI: Power Input (kW) | | | | |
| | | Indoor Conditions (DB °F) | | | | | Indoor Conditions (DB °F) | | | | |
| | | 60.8°F (16.0°C) | 68°F (20.0°C) | 70°F (21.1°C) | 71.6°F (22.0°C) | 75.2°F (24.0°C) | 60.8°F (16.0°C) | 68°F (20.0°C) | 70°F (21.1°C) | 71.6°F (22.0°C) | 75.2°F (24.0°C) |
| 580 | -13°F (-25.0°C) | 7279 | 7134 | 7098 | 7070 | 7006 | 1.47 | 1.48 | 1.49 | 1.49 | 1.49 |
| | -4°F (-20.0°C) | 9066 | 8885 | 8840 | 8805 | 8726 | 1.53 | 1.55 | 1.55 | 1.55 | 1.56 |
| | 0°F (-17.8°C) | 10034 | 9834 | 9784 | 9745 | 9657 | 1.55 | 1.56 | 1.57 | 1.57 | 1.58 |
| | 5°F (-15.0°C) | 11244 | 11019 | 10964 | 10920 | 10822 | 1.57 | 1.58 | 1.58 | 1.59 | 1.59 |
| | 14°F (-10.0°C) | 12172 | 11929 | 11869 | 11822 | 11715 | 1.59 | 1.61 | 1.61 | 1.61 | 1.62 |
| | 17°F (-8.3°C) | 12482 | 12232 | 12171 | 12122 | 12013 | 1.60 | 1.62 | 1.62 | 1.62 | 1.63 |
| | 22°F (-5.6°C) | 13318 | 13052 | 12986 | 12934 | 12818 | 1.62 | 1.63 | 1.64 | 1.64 | 1.65 |
| | 27°F (-2.8°C) | 14154 | 13871 | 13802 | 13747 | 13623 | 1.63 | 1.65 | 1.65 | 1.65 | 1.66 |
| | 32°F (0.0°C) | 14991 | 14691 | 14617 | 14559 | 14428 | 1.65 | 1.66 | 1.67 | 1.67 | 1.68 |
| | 35°F (1.7°C) | 15492 | 15183 | 15107 | 15046 | 14911 | 1.66 | 1.67 | 1.68 | 1.68 | 1.69 |
| | 37°F (2.8°C) | 16067 | 15745 | 15667 | 15604 | 15464 | 1.65 | 1.66 | 1.67 | 1.67 | 1.68 |
| | 42°F (5.6°C) | 17502 | 17152 | 17067 | 16998 | 16845 | 1.62 | 1.63 | 1.64 | 1.64 | 1.65 |
| | 44.6°F (7.0°C) | 18077 | 17715 | 17627 | 17556 | 17398 | 1.61 | 1.62 | 1.63 | 1.63 | 1.64 |
| | 47°F (8.3°C) | 18938 | 18559 | 18467 | 18393 | 18227 | 1.59 | 1.61 | 1.61 | 1.61 | 1.62 |
| | 52°F (11.1°C) | 17864 | 17506 | 17419 | 17349 | 17193 | 1.51 | 1.52 | 1.52 | 1.52 | 1.53 |
| | 57F (13.9°C) | 16789 | 16453 | 16371 | 16306 | 16159 | 1.42 | 1.43 | 1.43 | 1.44 | 1.44 |
| | 59°F (15.0°C) | 16359 | 16032 | 15952 | 15888 | 15745 | 1.38 | 1.39 | 1.40 | 1.40 | 1.41 |
| | 62°F (16.7°C) | 15715 | 15401 | 15324 | 15262 | 15125 | 1.33 | 1.34 | 1.34 | 1.35 | 1.35 |
| | 64.4°F (18.0°C) | 15199 | 14895 | 14821 | 14761 | 14628 | 1.29 | 1.30 | 1.30 | 1.30 | 1.31 |
| | 69.8°F (21.0°C) | 14039 | 13758 | 13689 | 13634 | 13512 | 1.19 | 1.20 | 1.20 | 1.21 | 1.21 |
| | 75.2°F (24.0°C) | 12878 | 12621 | 12558 | 12507 | 12395 | 1.10 | 1.11 | 1.11 | 1.11 | 1.12 |
| 620 | -13°F (-25.0°C) | 7555 | 7404 | 7367 | 7337 | 7271 | 1.49 | 1.50 | 1.50 | 1.50 | 1.51 |
| | -4°F (-20.0°C) | 9409 | 9221 | 9175 | 9138 | 9056 | 1.55 | 1.56 | 1.57 | 1.57 | 1.58 |
| | 0°F (-17.8°C) | 10414 | 10206 | 10154 | 10114 | 10023 | 1.57 | 1.58 | 1.58 | 1.58 | 1.59 |
| | 5°F (-15.0°C) | 11670 | 11436 | 11379 | 11334 | 11232 | 1.58 | 1.60 | 1.60 | 1.60 | 1.61 |
| | 14°F (-10.0°C) | 12633 | 12380 | 12318 | 12269 | 12158 | 1.61 | 1.62 | 1.63 | 1.63 | 1.64 |
| | 17°F (-8.3°C) | 12954 | 12695 | 12631 | 12581 | 12467 | 1.62 | 1.63 | 1.64 | 1.64 | 1.65 |
| | 22°F (-5.6°C) | 13822 | 13545 | 13478 | 13424 | 13303 | 1.64 | 1.65 | 1.65 | 1.66 | 1.66 |
| | 27°F (-2.8°C) | 14690 | 14396 | 14324 | 14267 | 14138 | 1.65 | 1.66 | 1.67 | 1.67 | 1.68 |
| | 32°F (0.0°C) | 15558 | 15247 | 15170 | 15110 | 14974 | 1.67 | 1.68 | 1.68 | 1.69 | 1.69 |
| | 35°F (1.7°C) | 16078 | 15757 | 15678 | 15615 | 15475 | 1.68 | 1.69 | 1.69 | 1.70 | 1.70 |
| | 37°F (2.8°C) | 16675 | 16341 | 16259 | 16194 | 16049 | 1.67 | 1.68 | 1.68 | 1.69 | 1.69 |
| | 42°F (5.6°C) | 18165 | 17801 | 17712 | 17641 | 17483 | 1.64 | 1.65 | 1.65 | 1.66 | 1.66 |
| | 44.6°F (7.0°C) | 18761 | 18385 | 18293 | 18220 | 18056 | 1.63 | 1.64 | 1.64 | 1.65 | 1.65 |
| | 47°F (8.3°C) | 19655 | 19262 | 19165 | 19089 | 18917 | 1.61 | 1.62 | 1.63 | 1.63 | 1.64 |
| | 52°F (11.1°C) | 18540 | 18169 | 18078 | 18006 | 17844 | 1.52 | 1.53 | 1.54 | 1.54 | 1.55 |
| | 57F (13.9°C) | 17424 | 17076 | 16991 | 16923 | 16770 | 1.43 | 1.44 | 1.45 | 1.45 | 1.46 |
| | 59°F (15.0°C) | 16978 | 16639 | 16556 | 16489 | 16341 | 1.40 | 1.41 | 1.41 | 1.41 | 1.42 |
| | 62°F (16.7°C) | 16309 | 15983 | 15903 | 15840 | 15697 | 1.34 | 1.35 | 1.36 | 1.36 | 1.37 |
| | 64.4°F (18.0°C) | 15774 | 15459 | 15381 | 15320 | 15182 | 1.30 | 1.31 | 1.31 | 1.32 | 1.32 |
| | 69.8°F (21.0°C) | 14570 | 14278 | 14207 | 14150 | 14023 | 1.20 | 1.21 | 1.22 | 1.22 | 1.22 |
| | 75.2°F (24.0°C) | 13365 | 13098 | 13033 | 12981 | 12864 | 1.11 | 1.12 | 1.12 | 1.12 | 1.13 |

## Table 12 – 24K Heating — 37MURA + 45MUAA

| AIRFLOW (CFM) | OUTDOOR DB (°F) | HEATING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | TC: Total Heating Capacity (BTU/hr) | | | | | PI: Power Input (kW) | | | | |
| | | Indoor Conditions (DB °F) | | | | | Indoor Conditions (DB °F) | | | | |
| | | 60.8°F (16.0°C) | 68°F (20.0°C) | 70°F (21.1°C) | 71.6°F (22.0°C) | 75.2°F (24.0°C) | 60.8°F (16.0°C) | 68°F (20.0°C) | 70°F (21.1°C) | 71.6°F (22.0°C) | 75.2°F (24.0°C) |
| 629 | -13°F (-25.0°C) | 12426 | 12178 | 12117 | 11894 | 11787 | 2.52 | 2.54 | 2.55 | 2.55 | 2.56 |
| | -4°F (-20.0°C) | 14871 | 14574 | 14501 | 14234 | 14106 | 2.54 | 2.57 | 2.57 | 2.58 | 2.59 |
| | 0°F (-17.8°C) | 17003 | 16663 | 16579 | 16274 | 16127 | 2.81 | 2.83 | 2.84 | 2.85 | 2.86 |
| | 5°F (-15.0°C) | 19667 | 19274 | 19177 | 18824 | 18655 | 3.14 | 3.17 | 3.18 | 3.18 | 3.19 |
| | 14°F (-10.0°C) | 21030 | 20610 | 20507 | 20129 | 19947 | 3.15 | 3.17 | 3.18 | 3.19 | 3.20 |
| | 17°F (-8.3°C) | 21485 | 21055 | 20950 | 20564 | 20378 | 3.15 | 3.17 | 3.18 | 3.19 | 3.20 |
| | 22°F (-5.6°C) | 21426 | 20997 | 20892 | 20507 | 20323 | 2.96 | 2.99 | 2.99 | 3.00 | 3.01 |
| | 27°F (-2.8°C) | 21367 | 20940 | 20835 | 20451 | 20267 | 2.77 | 2.80 | 2.80 | 2.81 | 2.82 |
| | 32°F (0.0°C) | 21309 | 20883 | 20778 | 20395 | 20212 | 2.59 | 2.61 | 2.61 | 2.62 | 2.63 |
| | 35°F (1.7°C) | 21274 | 20848 | 20744 | 20361 | 20178 | 2.47 | 2.49 | 2.50 | 2.50 | 2.51 |
| | 37°F (2.8°C) | 22101 | 21659 | 21551 | 21154 | 20963 | 2.49 | 2.51 | 2.52 | 2.52 | 2.53 |
| | 42°F (5.6°C) | 24170 | 23687 | 23568 | 23134 | 22926 | 2.54 | 2.56 | 2.57 | 2.57 | 2.58 |
| | 44.6°F (7.0°C) | 24998 | 24498 | 24375 | 23926 | 23711 | 2.56 | 2.58 | 2.59 | 2.59 | 2.60 |
| | 47°F (8.3°C) | 26239 | 25715 | 25586 | 25114 | 24888 | 2.59 | 2.61 | 2.62 | 2.62 | 2.64 |
| | 52°F (11.1°C) | 24405 | 23917 | 23797 | 23359 | 23149 | 2.49 | 2.51 | 2.52 | 2.52 | 2.53 |
| | 57F (13.9°C) | 22571 | 22119 | 22009 | 21603 | 21409 | 2.39 | 2.41 | 2.42 | 2.42 | 2.43 |
| | 59°F (15.0°C) | 21837 | 21400 | 21293 | 20901 | 20713 | 2.35 | 2.37 | 2.38 | 2.38 | 2.39 |
| | 62°F (16.7°C) | 20737 | 20322 | 20220 | 19848 | 19669 | 2.29 | 2.31 | 2.32 | 2.32 | 2.33 |
| | 64.4°F (18.0°C) | 19856 | 19459 | 19362 | 19005 | 18834 | 2.24 | 2.26 | 2.27 | 2.27 | 2.28 |
| | 69.8°F (21.0°C) | 17875 | 17518 | 17430 | 17109 | 16955 | 2.14 | 2.15 | 2.16 | 2.16 | 2.17 |
| | 75.2°F (24.0°C) | 15894 | 15576 | 15498 | 15213 | 15076 | 2.03 | 2.04 | 2.05 | 2.05 | 2.06 |
| 694 | -13°F (-25.0°C) | 13093 | 12831 | 12767 | 12624 | 12510 | 2.55 | 2.57 | 2.57 | 2.58 | 2.59 |
| | -4°F (-20.0°C) | 15669 | 15356 | 15279 | 15107 | 14971 | 2.57 | 2.59 | 2.60 | 2.60 | 2.61 |
| | 0°F (-17.8°C) | 17915 | 17557 | 17469 | 17273 | 17117 | 2.84 | 2.86 | 2.87 | 2.87 | 2.89 |
| | 5°F (-15.0°C) | 20722 | 20308 | 20206 | 19979 | 19800 | 3.18 | 3.20 | 3.21 | 3.21 | 3.23 |
| | 14°F (-10.0°C) | 22159 | 21716 | 21607 | 21364 | 21172 | 3.18 | 3.21 | 3.21 | 3.22 | 3.23 |
| | 17°F (-8.3°C) | 22637 | 22185 | 22074 | 21826 | 21629 | 3.18 | 3.21 | 3.21 | 3.22 | 3.23 |
| | 22°F (-5.6°C) | 22576 | 22124 | 22014 | 21766 | 21570 | 2.99 | 3.02 | 3.02 | 3.03 | 3.04 |
| | 27°F (-2.8°C) | 22514 | 22064 | 21953 | 21707 | 21511 | 2.80 | 2.82 | 2.83 | 2.84 | 2.85 |
| | 32°F (0.0°C) | 22452 | 22003 | 21893 | 21647 | 21452 | 2.61 | 2.63 | 2.64 | 2.64 | 2.65 |
| | 35°F (1.7°C) | 22415 | 21967 | 21857 | 21611 | 21417 | 2.50 | 2.52 | 2.52 | 2.53 | 2.54 |
| | 37°F (2.8°C) | 23287 | 22821 | 22707 | 22452 | 22250 | 2.52 | 2.54 | 2.54 | 2.55 | 2.56 |
| | 42°F (5.6°C) | 25467 | 24958 | 24833 | 24554 | 24333 | 2.57 | 2.59 | 2.60 | 2.60 | 2.61 |
| | 44.6°F (7.0°C) | 26339 | 25813 | 25684 | 25395 | 25166 | 2.59 | 2.61 | 2.62 | 2.62 | 2.63 |
| | 47°F (8.3°C) | 27647 | 27095 | 26959 | 26656 | 26416 | 2.62 | 2.64 | 2.65 | 2.65 | 2.66 |
| | 52°F (11.1°C) | 25715 | 25200 | 25074 | 24793 | 24569 | 2.52 | 2.54 | 2.54 | 2.55 | 2.56 |
| | 57F (13.9°C) | 23782 | 23306 | 23190 | 22929 | 22723 | 2.42 | 2.44 | 2.44 | 2.45 | 2.46 |
| | 59°F (15.0°C) | 23009 | 22549 | 22436 | 22184 | 21984 | 2.38 | 2.40 | 2.40 | 2.40 | 2.41 |
| | 62°F (16.7°C) | 21849 | 21412 | 21305 | 21066 | 20876 | 2.32 | 2.33 | 2.34 | 2.34 | 2.35 |
| | 64.4°F (18.0°C) | 20922 | 20503 | 20401 | 20171 | 19990 | 2.27 | 2.28 | 2.29 | 2.29 | 2.30 |
| | 69.8°F (21.0°C) | 18834 | 18458 | 18365 | 18159 | 17995 | 2.16 | 2.17 | 2.18 | 2.18 | 2.19 |
| | 75.2°F (24.0°C) | 16747 | 16412 | 16330 | 16146 | 16001 | 2.05 | 2.06 | 2.07 | 2.07 | 2.08 |

## Table 12 – 24K Heating — 37MURA + 45MUAA (Continued)

| AIRFLOW (CFM) | OUTDOOR DB (°F) | HEATING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | TC: Total Heating Capacity (BTU/hr) | | | | | PI: Power Input (kW) | | | | |
| | | Indoor Conditions (DB °F) | | | | | Indoor Conditions (DB °F) | | | | |
| | | 60.8°F (16.0°C) | 68°F (20.0°C) | 70°F (21.1°C) | 71.6°F (22.0°C) | 75.2°F (24.0°C) | 60.8°F (16.0°C) | 68°F (20.0°C) | 70°F (21.1°C) | 71.6°F (22.0°C) | 75.2°F (24.0°C) |
| 759 | -13°F (-25.0°C) | 13796 | 13520 | 13452 | 13399 | 13278 | 2.57 | 2.59 | 2.60 | 2.60 | 2.61 |
| | -4°F (-20.0°C) | 16510 | 16180 | 16099 | 16035 | 15890 | 2.60 | 2.62 | 2.62 | 2.63 | 2.64 |
| | 0°F (-17.8°C) | 18876 | 18499 | 18406 | 18333 | 18168 | 2.87 | 2.89 | 2.90 | 2.90 | 2.91 |
| | 5°F (-15.0°C) | 21834 | 21398 | 21291 | 21206 | 21015 | 3.21 | 3.23 | 3.24 | 3.25 | 3.26 |
| | 14°F (-10.0°C) | 23348 | 22881 | 22766 | 22675 | 22471 | 3.21 | 3.24 | 3.24 | 3.25 | 3.26 |
| | 17°F (-8.3°C) | 23852 | 23375 | 23258 | 23165 | 22957 | 3.21 | 3.24 | 3.25 | 3.25 | 3.26 |
| | 22°F (-5.6°C) | 23787 | 23311 | 23195 | 23102 | 22894 | 3.02 | 3.05 | 3.05 | 3.06 | 3.07 |
| | 27°F (-2.8°C) | 23722 | 23248 | 23131 | 23039 | 22832 | 2.83 | 2.85 | 2.86 | 2.86 | 2.88 |
| | 32°F (0.0°C) | 23657 | 23184 | 23068 | 22976 | 22769 | 2.64 | 2.66 | 2.67 | 2.67 | 2.68 |
| | 35°F (1.7°C) | 23618 | 23146 | 23030 | 22938 | 22731 | 2.52 | 2.54 | 2.55 | 2.55 | 2.56 |
| | 37°F (2.8°C) | 24537 | 24046 | 23926 | 23830 | 23616 | 2.54 | 2.56 | 2.57 | 2.57 | 2.59 |
| | 42°F (5.6°C) | 26834 | 26297 | 26166 | 26061 | 25827 | 2.60 | 2.62 | 2.62 | 2.63 | 2.64 |
| | 44.6°F (7.0°C) | 27753 | 27198 | 27062 | 26953 | 26711 | 2.62 | 2.64 | 2.64 | 2.65 | 2.66 |
| | 47°F (8.3°C) | 29131 | 28548 | 28406 | 28292 | 28037 | 2.65 | 2.67 | 2.67 | 2.68 | 2.69 |
| | 52°F (11.1°C) | 27095 | 26553 | 26420 | 26314 | 26077 | 2.54 | 2.56 | 2.57 | 2.57 | 2.58 |
| | 57F (13.9°C) | 25058 | 24557 | 24434 | 24337 | 24117 | 2.44 | 2.46 | 2.47 | 2.47 | 2.48 |
| | 59°F (15.0°C) | 24244 | 23759 | 23640 | 23545 | 23333 | 2.40 | 2.42 | 2.42 | 2.43 | 2.44 |
| | 62°F (16.7°C) | 23022 | 22561 | 22449 | 22359 | 22158 | 2.34 | 2.36 | 2.36 | 2.37 | 2.38 |
| | 64.4°F (18.0°C) | 22044 | 21603 | 21495 | 21409 | 21217 | 2.29 | 2.31 | 2.31 | 2.32 | 2.33 |
| | 69.8°F (21.0°C) | 19845 | 19448 | 19351 | 19273 | 19100 | 2.18 | 2.20 | 2.20 | 2.21 | 2.21 |
| | 75.2°F (24.0°C) | 17646 | 17293 | 17206 | 17137 | 16983 | 2.07 | 2.08 | 2.09 | 2.09 | 2.10 |
| 824 | -13°F (-25.0°C) | 14536 | 14245 | 14174 | 14118 | 13990 | 2.60 | 2.62 | 2.62 | 2.63 | 2.64 |
| | -4°F (-20.0°C) | 17396 | 17048 | 16963 | 16895 | 16743 | 2.62 | 2.64 | 2.65 | 2.65 | 2.67 |
| | 0°F (-17.8°C) | 19889 | 19492 | 19394 | 19317 | 19143 | 2.90 | 2.92 | 2.93 | 2.93 | 2.94 |
| | 5°F (-15.0°C) | 23006 | 22546 | 22433 | 22344 | 22142 | 3.24 | 3.27 | 3.27 | 3.28 | 3.29 |
| | 14°F (-10.0°C) | 24601 | 24109 | 23988 | 23892 | 23677 | 3.24 | 3.27 | 3.28 | 3.28 | 3.30 |
| | 17°F (-8.3°C) | 25132 | 24630 | 24506 | 24408 | 24189 | 3.25 | 3.27 | 3.28 | 3.28 | 3.30 |
| | 22°F (-5.6°C) | 25064 | 24562 | 24440 | 24342 | 24123 | 3.05 | 3.08 | 3.08 | 3.09 | 3.10 |
| | 27°F (-2.8°C) | 24995 | 24495 | 24373 | 24275 | 24057 | 2.86 | 2.88 | 2.89 | 2.89 | 2.90 |
| | 32°F (0.0°C) | 24926 | 24428 | 24306 | 24209 | 23991 | 2.67 | 2.69 | 2.69 | 2.70 | 2.71 |
| | 35°F (1.7°C) | 24885 | 24388 | 24266 | 24169 | 23951 | 2.55 | 2.57 | 2.57 | 2.58 | 2.59 |
| | 37°F (2.8°C) | 25853 | 25336 | 25210 | 25109 | 24883 | 2.57 | 2.59 | 2.60 | 2.60 | 2.61 |
| | 42°F (5.6°C) | 28274 | 27708 | 27570 | 27460 | 27212 | 2.62 | 2.64 | 2.65 | 2.65 | 2.66 |
| | 44.6°F (7.0°C) | 29242 | 28657 | 28514 | 28400 | 28144 | 2.64 | 2.66 | 2.67 | 2.67 | 2.68 |
| | 47°F (8.3°C) | 30694 | 30080 | 29930 | 29810 | 29542 | 2.67 | 2.69 | 2.70 | 2.71 | 2.72 |
| | 52°F (11.1°C) | 28549 | 27978 | 27838 | 27726 | 27477 | 2.57 | 2.59 | 2.60 | 2.60 | 2.61 |
| | 57F (13.9°C) | 26403 | 25875 | 25745 | 25642 | 25412 | 2.47 | 2.49 | 2.49 | 2.50 | 2.51 |
| | 59°F (15.0°C) | 25545 | 25034 | 24909 | 24809 | 24586 | 2.42 | 2.44 | 2.45 | 2.45 | 2.46 |
| | 62°F (16.7°C) | 24257 | 23772 | 23653 | 23559 | 23347 | 2.36 | 2.38 | 2.39 | 2.39 | 2.40 |
| | 64.4°F (18.0°C) | 23227 | 22763 | 22649 | 22558 | 22355 | 2.31 | 2.33 | 2.34 | 2.34 | 2.35 |
| | 69.8°F (21.0°C) | 20910 | 20492 | 20389 | 20308 | 20125 | 2.20 | 2.22 | 2.22 | 2.23 | 2.24 |
| | 75.2°F (24.0°C) | 18592 | 18221 | 18130 | 18057 | 17894 | 2.09 | 2.11 | 2.11 | 2.11 | 2.12 |

## Table 13 – 30K Heating — 37MURA + 45MUAA

| AIRFLOW (CFM) | OUTDOOR DB (°F) | HEATING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | TC: Total Heating Capacity (BTU/hr) | | | | | PI: Power Input (kW) | | | | |
| | | Indoor Conditions (DB °F) | | | | | Indoor Conditions (DB °F) | | | | |
| | | 60.8°F (16.0°C) | 68°F (20.0°C) | 70°F (21.1°C) | 71.6°F (22.0°C) | 75.2°F (24.0°C) | 60.8°F (16.0°C) | 68°F (20.0°C) | 70°F (21.1°C) | 71.6°F (22.0°C) | 75.2°F (24.0°C) |
| 712 | -13°F (-25.0°C) | 10130 | 9927 | 9877 | 9763 | 9675 | 2.39 | 2.41 | 2.41 | 2.42 | 2.43 |
| | -4°F (-20.0°C) | 12882 | 12625 | 12561 | 12416 | 12304 | 2.33 | 2.35 | 2.35 | 2.36 | 2.37 |
| | 0°F (-17.8°C) | 14297 | 14011 | 13941 | 13780 | 13656 | 2.34 | 2.36 | 2.36 | 2.37 | 2.38 |
| | 5°F (-15.0°C) | 16065 | 15744 | 15665 | 15484 | 15345 | 2.35 | 2.37 | 2.38 | 2.38 | 2.39 |
| | 14°F (-10.0°C) | 17144 | 16801 | 16717 | 16524 | 16375 | 2.30 | 2.32 | 2.33 | 2.33 | 2.34 |
| | 17°F (-8.3°C) | 17504 | 17154 | 17068 | 16870 | 16719 | 2.29 | 2.30 | 2.31 | 2.31 | 2.32 |
| | 22°F (-5.6°C) | 17793 | 17437 | 17349 | 17149 | 16994 | 2.24 | 2.25 | 2.26 | 2.26 | 2.27 |
| | 27°F (-2.8°C) | 18081 | 17720 | 17631 | 17427 | 17270 | 2.19 | 2.20 | 2.21 | 2.21 | 2.22 |
| | 32°F (0.0°C) | 18370 | 18003 | 17913 | 17705 | 17546 | 2.14 | 2.15 | 2.16 | 2.16 | 2.17 |
| | 35°F (1.7°C) | 18543 | 18172 | 18081 | 17872 | 17711 | 2.11 | 2.12 | 2.13 | 2.13 | 2.14 |
| | 37°F (2.8°C) | 19901 | 19503 | 19405 | 19181 | 19008 | 2.12 | 2.13 | 2.14 | 2.14 | 2.15 |
| | 42°F (5.6°C) | 23296 | 22830 | 22716 | 22453 | 22251 | 2.14 | 2.16 | 2.16 | 2.17 | 2.18 |
| | 44.6°F (7.0°C) | 24654 | 24161 | 24040 | 23762 | 23548 | 2.15 | 2.17 | 2.17 | 2.18 | 2.18 |
| | 47°F (8.3°C) | 26690 | 26157 | 26026 | 25725 | 25493 | 2.16 | 2.18 | 2.19 | 2.19 | 2.20 |
| | 52°F (11.1°C) | 24390 | 23902 | 23782 | 23507 | 23295 | 1.99 | 2.01 | 2.01 | 2.02 | 2.02 |
| | 57F (13.9°C) | 22089 | 21647 | 21539 | 21289 | 21098 | 1.82 | 1.83 | 1.84 | 1.84 | 1.85 |
| | 59°F (15.0°C) | 21168 | 20745 | 20641 | 20402 | 20219 | 1.75 | 1.76 | 1.77 | 1.77 | 1.78 |
| | 62°F (16.7°C) | 19788 | 19392 | 19295 | 19072 | 18900 | 1.65 | 1.66 | 1.66 | 1.67 | 1.67 |
| | 64.4°F (18.0°C) | 18683 | 18310 | 18218 | 18007 | 17845 | 1.56 | 1.58 | 1.58 | 1.58 | 1.59 |
| | 69.8°F (21.0°C) | 16198 | 15874 | 15795 | 15612 | 15472 | 1.38 | 1.39 | 1.39 | 1.39 | 1.40 |
| | 75.2°F (24.0°C) | 13713 | 13439 | 13372 | 13217 | 13098 | 1.19 | 1.20 | 1.20 | 1.20 | 1.21 |
| 806 | -13°F (-25.0°C) | 10870 | 10652 | 10599 | 10517 | 10422 | 2.51 | 2.53 | 2.54 | 2.54 | 2.55 |
| | -4°F (-20.0°C) | 13824 | 13547 | 13479 | 13374 | 13254 | 2.45 | 2.47 | 2.47 | 2.48 | 2.49 |
| | 0°F (-17.8°C) | 15342 | 15035 | 14960 | 14843 | 14709 | 2.46 | 2.48 | 2.49 | 2.49 | 2.50 |
| | 5°F (-15.0°C) | 17239 | 16894 | 16810 | 16679 | 16529 | 2.48 | 2.50 | 2.50 | 2.51 | 2.52 |
| | 14°F (-10.0°C) | 18397 | 18029 | 17939 | 17799 | 17639 | 2.42 | 2.44 | 2.45 | 2.45 | 2.46 |
| | 17°F (-8.3°C) | 18783 | 18407 | 18315 | 18172 | 18009 | 2.41 | 2.43 | 2.43 | 2.44 | 2.45 |
| | 22°F (-5.6°C) | 19093 | 18711 | 18617 | 18472 | 18306 | 2.35 | 2.37 | 2.38 | 2.38 | 2.39 |
| | 27°F (-2.8°C) | 19402 | 19014 | 18919 | 18772 | 18603 | 2.30 | 2.32 | 2.32 | 2.33 | 2.34 |
| | 32°F (0.0°C) | 19712 | 19318 | 19221 | 19072 | 18900 | 2.25 | 2.27 | 2.27 | 2.28 | 2.29 |
| | 35°F (1.7°C) | 19898 | 19500 | 19403 | 19251 | 19078 | 2.22 | 2.24 | 2.24 | 2.24 | 2.25 |
| | 37°F (2.8°C) | 21355 | 20928 | 20823 | 20661 | 20475 | 2.23 | 2.25 | 2.25 | 2.25 | 2.26 |
| | 42°F (5.6°C) | 24998 | 24498 | 24376 | 24186 | 23968 | 2.25 | 2.27 | 2.28 | 2.28 | 2.29 |
| | 44.6°F (7.0°C) | 26455 | 25926 | 25796 | 25595 | 25365 | 2.26 | 2.28 | 2.29 | 2.29 | 2.30 |
| | 47°F (8.3°C) | 28641 | 28068 | 27928 | 27710 | 27461 | 2.28 | 2.30 | 2.30 | 2.31 | 2.32 |
| | 52°F (11.1°C) | 26172 | 25648 | 25520 | 25321 | 25093 | 2.10 | 2.11 | 2.12 | 2.12 | 2.13 |
| | 57F (13.9°C) | 23703 | 23229 | 23112 | 22932 | 22726 | 1.91 | 1.93 | 1.93 | 1.94 | 1.95 |
| | 59°F (15.0°C) | 22715 | 22261 | 22149 | 21977 | 21779 | 1.84 | 1.86 | 1.86 | 1.86 | 1.87 |
| | 62°F (16.7°C) | 21234 | 20809 | 20705 | 20544 | 20359 | 1.73 | 1.75 | 1.75 | 1.75 | 1.76 |
| | 64.4°F (18.0°C) | 20049 | 19648 | 19549 | 19397 | 19222 | 1.65 | 1.66 | 1.66 | 1.67 | 1.67 |
| | 69.8°F (21.0°C) | 17382 | 17034 | 16949 | 16817 | 16666 | 1.45 | 1.46 | 1.46 | 1.47 | 1.47 |
| | 75.2°F (24.0°C) | 14715 | 14421 | 14349 | 14237 | 14109 | 1.25 | 1.26 | 1.27 | 1.27 | 1.27 |

## Table 13 – 30K Heating — 37MURA + 45MUAA (Continued)

| AIRFLOW (CFM) | OUTDOOR DB (°F) | HEATING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | TC: Total Heating Capacity (BTU/hr) | | | | | PI: Power Input (kW) | | | | |
| | | Indoor Conditions (DB °F) | | | | | Indoor Conditions (DB °F) | | | | |
| | | 60.8°F (16.0°C) | 68°F (20.0°C) | 70°F (21.1°C) | 71.6°F (22.0°C) | 75.2°F (24.0°C) | 60.8°F (16.0°C) | 68°F (20.0°C) | 70°F (21.1°C) | 71.6°F (22.0°C) | 75.2°F (24.0°C) |
| 894 | -13°F (-25.0°C) | 11664 | 11431 | 11374 | 11328 | 11226 | 2.64 | 2.67 | 2.67 | 2.68 | 2.69 |
| | -4°F (-20.0°C) | 14834 | 14537 | 14464 | 14406 | 14277 | 2.58 | 2.60 | 2.60 | 2.61 | 2.62 |
| | 0°F (-17.8°C) | 16463 | 16133 | 16053 | 15988 | 15845 | 2.59 | 2.61 | 2.62 | 2.62 | 2.63 |
| | 5°F (-15.0°C) | 18499 | 18129 | 18038 | 17966 | 17804 | 2.61 | 2.63 | 2.64 | 2.64 | 2.65 |
| | 14°F (-10.0°C) | 19741 | 19346 | 19250 | 19173 | 19000 | 2.55 | 2.57 | 2.58 | 2.58 | 2.59 |
| | 17°F (-8.3°C) | 20155 | 19752 | 19653 | 19575 | 19399 | 2.53 | 2.55 | 2.56 | 2.56 | 2.57 |
| | 22°F (-5.6°C) | 20488 | 20078 | 19978 | 19898 | 19719 | 2.48 | 2.50 | 2.50 | 2.51 | 2.52 |
| | 27°F (-2.8°C) | 20820 | 20404 | 20302 | 20221 | 20039 | 2.42 | 2.44 | 2.45 | 2.45 | 2.46 |
| | 32°F (0.0°C) | 21153 | 20730 | 20626 | 20543 | 20359 | 2.37 | 2.39 | 2.39 | 2.40 | 2.41 |
| | 35°F (1.7°C) | 21352 | 20925 | 20820 | 20737 | 20550 | 2.33 | 2.35 | 2.36 | 2.36 | 2.37 |
| | 37°F (2.8°C) | 22916 | 22457 | 22345 | 22256 | 22055 | 2.34 | 2.36 | 2.37 | 2.37 | 2.38 |
| | 42°F (5.6°C) | 26825 | 26288 | 26157 | 26052 | 25818 | 2.37 | 2.39 | 2.40 | 2.40 | 2.41 |
| | 44.6°F (7.0°C) | 28388 | 27820 | 27681 | 27571 | 27322 | 2.38 | 2.40 | 2.41 | 2.41 | 2.42 |
| | 47°F (8.3°C) | 30734 | 30119 | 29968 | 29848 | 29580 | 2.40 | 2.42 | 2.42 | 2.43 | 2.44 |
| | 52°F (11.1°C) | 28084 | 27522 | 27385 | 27275 | 27030 | 2.21 | 2.22 | 2.23 | 2.23 | 2.24 |
| | 57F (13.9°C) | 25435 | 24926 | 24801 | 24702 | 24480 | 2.02 | 2.03 | 2.04 | 2.04 | 2.05 |
| | 59°F (15.0°C) | 24375 | 23887 | 23768 | 23673 | 23460 | 1.94 | 1.95 | 1.96 | 1.96 | 1.97 |
| | 62°F (16.7°C) | 22785 | 22330 | 22218 | 22129 | 21930 | 1.82 | 1.84 | 1.84 | 1.85 | 1.85 |
| | 64.4°F (18.0°C) | 21513 | 21083 | 20978 | 20894 | 20706 | 1.73 | 1.75 | 1.75 | 1.75 | 1.76 |
| | 69.8°F (21.0°C) | 18652 | 18279 | 18188 | 18115 | 17952 | 1.53 | 1.54 | 1.54 | 1.54 | 1.55 |
| | 75.2°F (24.0°C) | 15791 | 15475 | 15397 | 15336 | 15198 | 1.32 | 1.33 | 1.33 | 1.33 | 1.34 |
| 988 | -13°F (-25.0°C) | 12516 | 12266 | 12205 | 12156 | 12047 | 2.78 | 2.81 | 2.81 | 2.82 | 2.83 |
| | -4°F (-20.0°C) | 15918 | 15599 | 15521 | 15459 | 15320 | 2.71 | 2.74 | 2.74 | 2.75 | 2.76 |
| | 0°F (-17.8°C) | 17666 | 17312 | 17226 | 17157 | 17002 | 2.73 | 2.75 | 2.76 | 2.76 | 2.77 |
| | 5°F (-15.0°C) | 19851 | 19454 | 19356 | 19279 | 19105 | 2.75 | 2.77 | 2.77 | 2.78 | 2.79 |
| | 14°F (-10.0°C) | 21184 | 20760 | 20656 | 20574 | 20388 | 2.69 | 2.71 | 2.71 | 2.72 | 2.73 |
| | 17°F (-8.3°C) | 21628 | 21196 | 21090 | 21005 | 20816 | 2.67 | 2.69 | 2.69 | 2.70 | 2.71 |
| | 22°F (-5.6°C) | 21985 | 21545 | 21437 | 21352 | 21159 | 2.61 | 2.63 | 2.63 | 2.64 | 2.65 |
| | 27°F (-2.8°C) | 22342 | 21895 | 21785 | 21698 | 21503 | 2.55 | 2.57 | 2.58 | 2.58 | 2.59 |
| | 32°F (0.0°C) | 22698 | 22244 | 22133 | 22045 | 21846 | 2.49 | 2.51 | 2.52 | 2.52 | 2.53 |
| | 35°F (1.7°C) | 22912 | 22454 | 22342 | 22252 | 22052 | 2.46 | 2.48 | 2.48 | 2.49 | 2.50 |
| | 37°F (2.8°C) | 24590 | 24098 | 23978 | 23882 | 23667 | 2.47 | 2.49 | 2.49 | 2.50 | 2.51 |
| | 42°F (5.6°C) | 28785 | 28209 | 28068 | 27956 | 27704 | 2.50 | 2.52 | 2.52 | 2.53 | 2.54 |
| | 44.6°F (7.0°C) | 30463 | 29853 | 29704 | 29585 | 29319 | 2.51 | 2.53 | 2.53 | 2.54 | 2.55 |
| | 47°F (8.3°C) | 32979 | 32320 | 32158 | 32029 | 31741 | 2.52 | 2.54 | 2.55 | 2.56 | 2.57 |
| | 52°F (11.1°C) | 30136 | 29534 | 29386 | 29268 | 29005 | 2.32 | 2.34 | 2.35 | 2.35 | 2.36 |
| | 57F (13.9°C) | 27293 | 26747 | 26614 | 26507 | 26269 | 2.12 | 2.14 | 2.14 | 2.15 | 2.16 |
| | 59°F (15.0°C) | 26156 | 25633 | 25505 | 25403 | 25174 | 2.04 | 2.06 | 2.06 | 2.07 | 2.07 |
| | 62°F (16.7°C) | 24450 | 23961 | 23841 | 23746 | 23532 | 1.92 | 1.94 | 1.94 | 1.94 | 1.95 |
| | 64.4°F (18.0°C) | 23085 | 22624 | 22511 | 22421 | 22219 | 1.82 | 1.84 | 1.84 | 1.85 | 1.85 |
| | 69.8°F (21.0°C) | 20015 | 19615 | 19517 | 19439 | 19264 | 1.61 | 1.62 | 1.62 | 1.63 | 1.63 |
| | 75.2°F (24.0°C) | 16945 | 16606 | 16523 | 16457 | 16308 | 1.39 | 1.40 | 1.40 | 1.40 | 1.41 |

## Table 14 – 36K Heating — 37MURA + 45MUAA

| AIRFLOW (CFM) | OUTDOOR DB (°F) | HEATING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | TC: Total Heating Capacity (BTU/hr) | | | | | PI: Power Input (kW) | | | | |
| | | Indoor Conditions (DB °F) | | | | | Indoor Conditions (DB °F) | | | | |
| | | 60.8°F (16.0°C) | 68°F (20.0°C) | 70°F (21.1°C) | 71.6°F (22.0°C) | 75.2°F (24.0°C) | 60.8°F (16.0°C) | 68°F (20.0°C) | 70°F (21.1°C) | 71.6°F (22.0°C) | 75.2°F (24.0°C) |
| 865 | -13°F (-25.0°C) | 15315 | 15009 | 14934 | 14445 | 14315 | 3.19 | 3.22 | 3.22 | 3.23 | 3.24 |
| | -4°F (-20.0°C) | 19313 | 18926 | 18832 | 18215 | 18051 | 3.49 | 3.52 | 3.52 | 3.53 | 3.55 |
| | 0°F (-17.8°C) | 20727 | 20312 | 20210 | 19549 | 19373 | 3.59 | 3.62 | 3.63 | 3.64 | 3.65 |
| | 5°F (-15.0°C) | 22494 | 22044 | 21934 | 21216 | 21025 | 3.72 | 3.75 | 3.76 | 3.77 | 3.78 |
| | 14°F (-10.0°C) | 22244 | 21799 | 21690 | 20980 | 20791 | 3.45 | 3.48 | 3.49 | 3.50 | 3.51 |
| | 17°F (-8.3°C) | 22161 | 21718 | 21609 | 20902 | 20714 | 3.36 | 3.39 | 3.40 | 3.41 | 3.42 |
| | 22°F (-5.6°C) | 22701 | 22247 | 22135 | 21411 | 21218 | 3.30 | 3.33 | 3.34 | 3.34 | 3.36 |
| | 27°F (-2.8°C) | 23240 | 22775 | 22661 | 21920 | 21722 | 3.24 | 3.27 | 3.27 | 3.28 | 3.29 |
| | 32°F (0.0°C) | 23780 | 23304 | 23187 | 22428 | 22227 | 3.18 | 3.20 | 3.21 | 3.22 | 3.23 |
| | 35°F (1.7°C) | 24103 | 23621 | 23503 | 22734 | 22529 | 3.14 | 3.16 | 3.17 | 3.18 | 3.19 |
| | 37°F (2.8°C) | 25924 | 25405 | 25278 | 24450 | 24230 | 3.18 | 3.21 | 3.22 | 3.22 | 3.24 |
| | 42°F (5.6°C) | 30474 | 29865 | 29715 | 28742 | 28484 | 3.30 | 3.32 | 3.33 | 3.33 | 3.35 |
| | 44.6°F (7.0°C) | 32294 | 31648 | 31490 | 30459 | 30185 | 3.34 | 3.37 | 3.37 | 3.38 | 3.39 |
| | 47°F (8.3°C) | 35025 | 34324 | 34152 | 33034 | 32737 | 3.41 | 3.43 | 3.44 | 3.45 | 3.46 |
| | 52°F (11.1°C) | 34026 | 33346 | 33179 | 32093 | 31804 | 3.17 | 3.20 | 3.20 | 3.21 | 3.22 |
| | 57F (13.9°C) | 33028 | 32368 | 32206 | 31152 | 30871 | 2.94 | 2.96 | 2.97 | 2.97 | 2.99 |
| | 59°F (15.0°C) | 32629 | 31976 | 31817 | 30775 | 30498 | 2.85 | 2.87 | 2.87 | 2.88 | 2.89 |
| | 62°F (16.7°C) | 32030 | 31390 | 31233 | 30210 | 29938 | 2.71 | 2.73 | 2.73 | 2.74 | 2.75 |
| | 64.4°F (18.0°C) | 31551 | 30920 | 30765 | 29758 | 29490 | 2.59 | 2.61 | 2.62 | 2.63 | 2.64 |
| | 69.8°F (21.0°C) | 30473 | 29864 | 29714 | 28742 | 28483 | 2.34 | 2.36 | 2.37 | 2.37 | 2.38 |
| | 75.2°F (24.0°C) | 29395 | 28807 | 28663 | 27725 | 27475 | 2.09 | 2.11 | 2.11 | 2.11 | 2.12 |
| 970 | -13°F (-25.0°C) | 16315 | 15989 | 15909 | 15615 | 15474 | 3.22 | 3.25 | 3.25 | 3.26 | 3.27 |
| | -4°F (-20.0°C) | 20573 | 20162 | 20061 | 19690 | 19513 | 3.52 | 3.55 | 3.56 | 3.57 | 3.58 |
| | 0°F (-17.8°C) | 22079 | 21638 | 21530 | 21132 | 20942 | 3.63 | 3.66 | 3.67 | 3.67 | 3.69 |
| | 5°F (-15.0°C) | 23962 | 23483 | 23365 | 22934 | 22727 | 3.76 | 3.79 | 3.80 | 3.81 | 3.82 |
| | 14°F (-10.0°C) | 23696 | 23222 | 23106 | 22679 | 22475 | 3.49 | 3.52 | 3.52 | 3.53 | 3.55 |
| | 17°F (-8.3°C) | 23607 | 23135 | 23020 | 22594 | 22391 | 3.40 | 3.43 | 3.43 | 3.44 | 3.45 |
| | 22°F (-5.6°C) | 24182 | 23698 | 23580 | 23144 | 22936 | 3.34 | 3.36 | 3.37 | 3.38 | 3.39 |
| | 27°F (-2.8°C) | 24757 | 24262 | 24140 | 23694 | 23481 | 3.27 | 3.30 | 3.31 | 3.31 | 3.33 |
| | 32°F (0.0°C) | 25332 | 24825 | 24701 | 24244 | 24026 | 3.21 | 3.23 | 3.24 | 3.25 | 3.26 |
| | 35°F (1.7°C) | 25676 | 25163 | 25037 | 24575 | 24353 | 3.17 | 3.20 | 3.20 | 3.21 | 3.22 |
| | 37°F (2.8°C) | 27615 | 27063 | 26928 | 26430 | 26192 | 3.22 | 3.24 | 3.25 | 3.25 | 3.27 |
| | 42°F (5.6°C) | 32463 | 31814 | 31655 | 31070 | 30790 | 3.33 | 3.36 | 3.36 | 3.37 | 3.38 |
| | 44.6°F (7.0°C) | 34402 | 33714 | 33545 | 32926 | 32629 | 3.37 | 3.40 | 3.41 | 3.41 | 3.43 |
| | 47°F (8.3°C) | 37310 | 36564 | 36381 | 35709 | 35388 | 3.44 | 3.47 | 3.48 | 3.48 | 3.50 |
| | 52°F (11.1°C) | 36247 | 35522 | 35345 | 34692 | 34379 | 3.20 | 3.23 | 3.24 | 3.24 | 3.26 |
| | 57F (13.9°C) | 35184 | 34480 | 34308 | 33674 | 33371 | 2.97 | 2.99 | 3.00 | 3.00 | 3.02 |
| | 59°F (15.0°C) | 34759 | 34063 | 33893 | 33267 | 32968 | 2.87 | 2.90 | 2.90 | 2.91 | 2.92 |
| | 62°F (16.7°C) | 34121 | 33438 | 33271 | 32656 | 32362 | 2.73 | 2.76 | 2.76 | 2.77 | 2.78 |
| | 64.4°F (18.0°C) | 33610 | 32938 | 32773 | 32168 | 31878 | 2.62 | 2.64 | 2.65 | 2.65 | 2.66 |
| | 69.8°F (21.0°C) | 32462 | 31813 | 31654 | 31069 | 30789 | 2.37 | 2.38 | 2.39 | 2.39 | 2.40 |
| | 75.2°F (24.0°C) | 31314 | 30687 | 30534 | 29970 | 29700 | 2.11 | 2.13 | 2.13 | 2.14 | 2.14 |

## Table 14 – 36K Heating — 37MURA + 45MUAA (Continued)

| AIRFLOW (CFM) | OUTDOOR DB (°F) | HEATING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | TC: Total Heating Capacity (BTU/hr) | | | | | PI: Power Input (kW) | | | | |
| | | Indoor Conditions (DB °F) | | | | | Indoor Conditions (DB °F) | | | | |
| | | 60.8°F (16.0°C) | 68°F (20.0°C) | 70°F (21.1°C) | 71.6°F (22.0°C) | 75.2°F (24.0°C) | 60.8°F (16.0°C) | 68°F (20.0°C) | 70°F (21.1°C) | 71.6°F (22.0°C) | 75.2°F (24.0°C) |
| 1080 | -13°F (-25.0°C) | 17380 | 17032 | 16947 | 16879 | 16727 | 3.25 | 3.28 | 3.29 | 3.29 | 3.31 |
| | -4°F (-20.0°C) | 21916 | 21478 | 21370 | 21285 | 21093 | 3.56 | 3.59 | 3.60 | 3.60 | 3.62 |
| | 0°F (-17.8°C) | 23520 | 23050 | 22935 | 22843 | 22637 | 3.67 | 3.70 | 3.70 | 3.71 | 3.73 |
| | 5°F (-15.0°C) | 25526 | 25015 | 24890 | 24791 | 24568 | 3.80 | 3.83 | 3.84 | 3.85 | 3.86 |
| | 14°F (-10.0°C) | 25242 | 24738 | 24614 | 24515 | 24295 | 3.52 | 3.55 | 3.56 | 3.57 | 3.58 |
| | 17°F (-8.3°C) | 25148 | 24645 | 24522 | 24424 | 24204 | 3.43 | 3.46 | 3.47 | 3.47 | 3.49 |
| | 22°F (-5.6°C) | 25760 | 25245 | 25119 | 25018 | 24793 | 3.37 | 3.40 | 3.40 | 3.41 | 3.42 |
| | 27°F (-2.8°C) | 26373 | 25845 | 25716 | 25613 | 25382 | 3.31 | 3.33 | 3.34 | 3.35 | 3.36 |
| | 32°F (0.0°C) | 26985 | 26445 | 26313 | 26208 | 25972 | 3.24 | 3.27 | 3.27 | 3.28 | 3.29 |
| | 35°F (1.7°C) | 27352 | 26805 | 26671 | 26564 | 26325 | 3.20 | 3.23 | 3.24 | 3.24 | 3.25 |
| | 37°F (2.8°C) | 29418 | 28829 | 28685 | 28570 | 28313 | 3.25 | 3.27 | 3.28 | 3.29 | 3.30 |
| | 42°F (5.6°C) | 34582 | 33890 | 33721 | 33586 | 33283 | 3.36 | 3.39 | 3.40 | 3.40 | 3.42 |
| | 44.6°F (7.0°C) | 36647 | 35914 | 35735 | 35592 | 35271 | 3.41 | 3.43 | 3.44 | 3.45 | 3.46 |
| | 47°F (8.3°C) | 39745 | 38951 | 38756 | 38601 | 38253 | 3.48 | 3.50 | 3.51 | 3.52 | 3.53 |
| | 52°F (11.1°C) | 38613 | 37841 | 37651 | 37501 | 37163 | 3.24 | 3.26 | 3.27 | 3.28 | 3.29 |
| | 57F (13.9°C) | 37480 | 36731 | 36547 | 36401 | 36073 | 3.00 | 3.02 | 3.03 | 3.04 | 3.05 |
| | 59°F (15.0°C) | 37027 | 36287 | 36105 | 35961 | 35637 | 2.90 | 2.93 | 2.93 | 2.94 | 2.95 |
| | 62°F (16.7°C) | 36347 | 35621 | 35442 | 35301 | 34983 | 2.76 | 2.78 | 2.79 | 2.79 | 2.81 |
| | 64.4°F (18.0°C) | 35804 | 35088 | 34912 | 34773 | 34460 | 2.65 | 2.67 | 2.67 | 2.68 | 2.69 |
| | 69.8°F (21.0°C) | 34581 | 33889 | 33719 | 33585 | 33282 | 2.39 | 2.41 | 2.41 | 2.42 | 2.43 |
| | 75.2°F (24.0°C) | 33357 | 32690 | 32527 | 32397 | 32105 | 2.13 | 2.15 | 2.15 | 2.16 | 2.17 |
| 1185 | -13°F (-25.0°C) | 18514 | 18144 | 18053 | 17981 | 17819 | 3.29 | 3.31 | 3.32 | 3.33 | 3.34 |
| | -4°F (-20.0°C) | 23346 | 22879 | 22765 | 22674 | 22470 | 3.60 | 3.62 | 3.63 | 3.64 | 3.65 |
| | 0°F (-17.8°C) | 25055 | 24554 | 24431 | 24334 | 24115 | 3.70 | 3.73 | 3.74 | 3.75 | 3.76 |
| | 5°F (-15.0°C) | 27192 | 26648 | 26515 | 26409 | 26171 | 3.84 | 3.87 | 3.88 | 3.88 | 3.90 |
| | 14°F (-10.0°C) | 26890 | 26352 | 26220 | 26115 | 25880 | 3.56 | 3.59 | 3.60 | 3.60 | 3.62 |
| | 17°F (-8.3°C) | 26789 | 26254 | 26122 | 26018 | 25784 | 3.47 | 3.50 | 3.50 | 3.51 | 3.52 |
| | 22°F (-5.6°C) | 27442 | 26893 | 26758 | 26651 | 26411 | 3.40 | 3.43 | 3.44 | 3.44 | 3.46 |
| | 27°F (-2.8°C) | 28094 | 27532 | 27394 | 27285 | 27039 | 3.34 | 3.37 | 3.37 | 3.38 | 3.39 |
| | 32°F (0.0°C) | 28746 | 28171 | 28030 | 27918 | 27667 | 3.27 | 3.30 | 3.31 | 3.31 | 3.33 |
| | 35°F (1.7°C) | 29137 | 28554 | 28412 | 28298 | 28043 | 3.24 | 3.26 | 3.27 | 3.27 | 3.29 |
| | 37°F (2.8°C) | 31338 | 30711 | 30557 | 30435 | 30161 | 3.28 | 3.31 | 3.31 | 3.32 | 3.33 |
| | 42°F (5.6°C) | 36839 | 36102 | 35921 | 35778 | 35456 | 3.40 | 3.42 | 3.43 | 3.44 | 3.45 |
| | 44.6°F (7.0°C) | 39039 | 38258 | 38067 | 37915 | 37573 | 3.44 | 3.47 | 3.48 | 3.48 | 3.50 |
| | 47°F (8.3°C) | 42339 | 41493 | 41285 | 41120 | 40750 | 3.51 | 3.54 | 3.55 | 3.55 | 3.57 |
| | 52°F (11.1°C) | 41133 | 40310 | 40109 | 39948 | 39589 | 3.27 | 3.30 | 3.30 | 3.31 | 3.32 |
| | 57F (13.9°C) | 39926 | 39128 | 38932 | 38776 | 38427 | 3.03 | 3.05 | 3.06 | 3.07 | 3.08 |
| | 59°F (15.0°C) | 39444 | 38655 | 38461 | 38308 | 37963 | 2.93 | 2.96 | 2.96 | 2.97 | 2.98 |
| | 62°F (16.7°C) | 38720 | 37945 | 37756 | 37605 | 37266 | 2.79 | 2.81 | 2.82 | 2.82 | 2.83 |
| | 64.4°F (18.0°C) | 38140 | 37378 | 37191 | 37042 | 36709 | 2.67 | 2.69 | 2.70 | 2.71 | 2.72 |
| | 69.8°F (21.0°C) | 36837 | 36101 | 35920 | 35776 | 35454 | 2.41 | 2.43 | 2.44 | 2.44 | 2.45 |
| | 75.2°F (24.0°C) | 35534 | 34824 | 34649 | 34511 | 34200 | 2.15 | 2.17 | 2.17 | 2.18 | 2.19 |

## Table 15 – 48K Heating — 37MURA + 45MUAA

| AIRFLOW (CFM) | HEATING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | OUTDOOR DB (°F) | TC: Total Heating Capacity (BTU/hr) | | | | | PI: Power Input (kW) | | | | |
| | | Indoor Conditions (DB °F) | | | | | Indoor Conditions (DB °F) | | | | |
| | | 60.8°F (16.0°C) | 68°F (20.0°C) | 70°F (21.1°C) | 71.6°F (22.0°C) | 75.2°F (24.0°C) | 60.8°F (16.0°C) | 68°F (20.0°C) | 70°F (21.1°C) | 71.6°F (22.0°C) | 75.2°F (24.0°C) |
| 1094 | -13°F (-25.0°C) | 28305 | 27739 | 27600 | 24743 | 24521 | 5.62 | 5.66 | 5.67 | 5.69 | 5.71 |
| | -4°F (-20.0°C) | 31244 | 30619 | 30466 | 27313 | 27067 | 5.67 | 5.71 | 5.72 | 5.74 | 5.76 |
| | 0°F (-17.8°C) | 34045 | 33364 | 33197 | 29762 | 29494 | 5.79 | 5.84 | 5.85 | 5.86 | 5.89 |
| | 5°F (-15.0°C) | 37547 | 36796 | 36612 | 32822 | 32527 | 5.95 | 6.00 | 6.01 | 6.02 | 6.05 |
| | 14°F (-10.0°C) | 35910 | 35192 | 35016 | 31392 | 31109 | 5.58 | 5.62 | 5.64 | 5.65 | 5.67 |
| | 17°F (-8.3°C) | 35365 | 34657 | 34484 | 30915 | 30637 | 5.46 | 5.50 | 5.51 | 5.52 | 5.54 |
| | 22°F (-5.6°C) | 33018 | 32358 | 32196 | 28864 | 28604 | 5.06 | 5.10 | 5.11 | 5.12 | 5.14 |
| | 27°F (-2.8°C) | 30672 | 30059 | 29909 | 26813 | 26572 | 4.66 | 4.69 | 4.70 | 4.71 | 4.73 |
| | 32°F (0.0°C) | 28326 | 27760 | 27621 | 24762 | 24539 | 4.26 | 4.29 | 4.30 | 4.31 | 4.33 |
| | 35°F (1.7°C) | 26918 | 26380 | 26248 | 23531 | 23320 | 4.02 | 4.05 | 4.06 | 4.06 | 4.08 |
| | 37°F (2.8°C) | 29611 | 29018 | 28873 | 25885 | 25652 | 4.09 | 4.12 | 4.13 | 4.14 | 4.16 |
| | 42°F (5.6°C) | 36341 | 35614 | 35436 | 31769 | 31483 | 4.28 | 4.31 | 4.32 | 4.33 | 4.35 |
| | 44.6°F (7.0°C) | 39033 | 38253 | 38061 | 34122 | 33815 | 4.35 | 4.39 | 4.40 | 4.41 | 4.42 |
| | 47°F (8.3°C) | 43072 | 42210 | 41999 | 37652 | 37313 | 4.47 | 4.50 | 4.51 | 4.52 | 4.54 |
| | 52°F (11.1°C) | 42076 | 41235 | 41028 | 36782 | 36451 | 4.03 | 4.06 | 4.07 | 4.08 | 4.09 |
| | 57F (13.9°C) | 41081 | 40259 | 40058 | 35912 | 35588 | 3.59 | 3.62 | 3.63 | 3.63 | 3.65 |
| | 59°F (15.0°C) | 40682 | 39869 | 39669 | 35564 | 35243 | 3.41 | 3.44 | 3.45 | 3.46 | 3.47 |
| | 62°F (16.7°C) | 40085 | 39283 | 39087 | 35041 | 34726 | 3.15 | 3.18 | 3.18 | 3.19 | 3.20 |
| | 64.4°F (18.0°C) | 39607 | 38815 | 38621 | 34624 | 34312 | 2.94 | 2.97 | 2.97 | 2.98 | 2.99 |
| | 69.8°F (21.0°C) | 38532 | 37761 | 37572 | 33684 | 33381 | 2.47 | 2.49 | 2.49 | 2.50 | 2.51 |
| | 75.2°F (24.0°C) | 37457 | 36708 | 36524 | 32744 | 32449 | 2.00 | 2.01 | 2.02 | 2.02 | 2.03 |
| 1282 | -13°F (-25.0°C) | 29899 | 29301 | 29154 | 27549 | 27301 | 5.67 | 5.72 | 5.73 | 5.74 | 5.77 |
| | -4°F (-20.0°C) | 33003 | 32343 | 32182 | 30410 | 30136 | 5.72 | 5.77 | 5.78 | 5.79 | 5.82 |
| | 0°F (-17.8°C) | 35962 | 35243 | 35067 | 33136 | 32838 | 5.85 | 5.90 | 5.91 | 5.92 | 5.95 |
| | 5°F (-15.0°C) | 39661 | 38868 | 38673 | 36544 | 36215 | 6.01 | 6.06 | 6.07 | 6.08 | 6.11 |
| | 14°F (-10.0°C) | 37932 | 37174 | 36988 | 34951 | 34637 | 5.64 | 5.68 | 5.69 | 5.70 | 5.73 |
| | 17°F (-8.3°C) | 37356 | 36609 | 36426 | 34420 | 34111 | 5.51 | 5.56 | 5.57 | 5.58 | 5.60 |
| | 22°F (-5.6°C) | 34878 | 34180 | 34009 | 32137 | 31848 | 5.11 | 5.15 | 5.16 | 5.17 | 5.19 |
| | 27°F (-2.8°C) | 32399 | 31751 | 31593 | 29853 | 29585 | 4.70 | 4.74 | 4.75 | 4.76 | 4.78 |
| | 32°F (0.0°C) | 29921 | 29323 | 29176 | 27570 | 27322 | 4.30 | 4.33 | 4.34 | 4.35 | 4.37 |
| | 35°F (1.7°C) | 28434 | 27865 | 27726 | 26200 | 25964 | 4.06 | 4.09 | 4.10 | 4.11 | 4.12 |
| | 37°F (2.8°C) | 31278 | 30652 | 30499 | 28820 | 28561 | 4.13 | 4.17 | 4.17 | 4.18 | 4.20 |
| | 42°F (5.6°C) | 38388 | 37620 | 37432 | 35371 | 35052 | 4.32 | 4.36 | 4.37 | 4.37 | 4.39 |
| | 44.6°F (7.0°C) | 41231 | 40407 | 40205 | 37991 | 37649 | 4.40 | 4.43 | 4.44 | 4.45 | 4.47 |
| | 47°F (8.3°C) | 45497 | 44587 | 44364 | 41922 | 41544 | 4.51 | 4.55 | 4.56 | 4.57 | 4.58 |
| | 52°F (11.1°C) | 44445 | 43557 | 43339 | 40953 | 40584 | 4.07 | 4.10 | 4.11 | 4.12 | 4.13 |
| | 57F (13.9°C) | 43394 | 42526 | 42313 | 39984 | 39624 | 3.63 | 3.66 | 3.66 | 3.67 | 3.68 |
| | 59°F (15.0°C) | 42973 | 42114 | 41903 | 39596 | 39240 | 3.45 | 3.48 | 3.48 | 3.49 | 3.50 |
| | 62°F (16.7°C) | 42342 | 41495 | 41288 | 39015 | 38663 | 3.18 | 3.21 | 3.22 | 3.22 | 3.23 |
| | 64.4°F (18.0°C) | 41837 | 41001 | 40796 | 38550 | 38203 | 2.97 | 3.00 | 3.00 | 3.01 | 3.02 |
| | 69.8°F (21.0°C) | 40702 | 39888 | 39688 | 37503 | 37165 | 2.49 | 2.51 | 2.52 | 2.52 | 2.53 |
| | 75.2°F (24.0°C) | 39566 | 38775 | 38581 | 36456 | 36128 | 2.02 | 2.03 | 2.04 | 2.04 | 2.05 |

## Table 15 – 48K Heating — 37MURA + 45MUAA (Continued)

| AIRFLOW (CFM) | OUTDOOR DB (°F) | HEATING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | TC: Total Heating Capacity (BTU/hr) | | | | | PI: Power Input (kW) | | | | |
| | | Indoor Conditions (DB °F) | | | | | Indoor Conditions (DB °F) | | | | |
| | | 60.8°F (16.0°C) | 68°F (20.0°C) | 70°F (21.1°C) | 71.6°F (22.0°C) | 75.2°F (24.0°C) | 60.8°F (16.0°C) | 68°F (20.0°C) | 70°F (21.1°C) | 71.6°F (22.0°C) | 75.2°F (24.0°C) |
| 1471 | -13°F (-25.0°C) | 31582 | 30951 | 30796 | 30673 | 30397 | 5.73 | 5.78 | 5.79 | 5.80 | 5.82 |
| | -4°F (-20.0°C) | 34862 | 34165 | 33994 | 33858 | 33553 | 5.78 | 5.83 | 5.84 | 5.85 | 5.88 |
| | 0°F (-17.8°C) | 37987 | 37228 | 37041 | 36893 | 36561 | 5.91 | 5.96 | 5.97 | 5.98 | 6.01 |
| | 5°F (-15.0°C) | 41894 | 41056 | 40851 | 40688 | 40322 | 6.07 | 6.12 | 6.13 | 6.14 | 6.17 |
| | 14°F (-10.0°C) | 40068 | 39267 | 39071 | 38914 | 38564 | 5.69 | 5.74 | 5.75 | 5.76 | 5.79 |
| | 17°F (-8.3°C) | 39460 | 38670 | 38477 | 38323 | 37978 | 5.57 | 5.61 | 5.62 | 5.63 | 5.66 |
| | 22°F (-5.6°C) | 36842 | 36105 | 35924 | 35781 | 35459 | 5.16 | 5.20 | 5.21 | 5.22 | 5.24 |
| | 27°F (-2.8°C) | 34224 | 33539 | 33372 | 33238 | 32939 | 4.75 | 4.79 | 4.80 | 4.81 | 4.83 |
| | 32°F (0.0°C) | 31606 | 30974 | 30819 | 30696 | 30419 | 4.34 | 4.38 | 4.39 | 4.40 | 4.41 |
| | 35°F (1.7°C) | 30035 | 29435 | 29287 | 29170 | 28908 | 4.10 | 4.13 | 4.14 | 4.15 | 4.16 |
| | 37°F (2.8°C) | 33039 | 32378 | 32217 | 32088 | 31799 | 4.17 | 4.21 | 4.22 | 4.22 | 4.24 |
| | 42°F (5.6°C) | 40549 | 39738 | 39540 | 39381 | 39027 | 4.37 | 4.40 | 4.41 | 4.42 | 4.44 |
| | 44.6°F (7.0°C) | 43553 | 42682 | 42469 | 42299 | 41918 | 4.44 | 4.48 | 4.49 | 4.50 | 4.51 |
| | 47°F (8.3°C) | 48059 | 47098 | 46862 | 46675 | 46255 | 4.56 | 4.59 | 4.60 | 4.61 | 4.63 |
| | 52°F (11.1°C) | 46948 | 46009 | 45779 | 45596 | 45186 | 4.11 | 4.14 | 4.15 | 4.16 | 4.18 |
| | 57F (13.9°C) | 45837 | 44921 | 44696 | 44517 | 44117 | 3.66 | 3.69 | 3.70 | 3.71 | 3.72 |
| | 59°F (15.0°C) | 45393 | 44485 | 44263 | 44086 | 43689 | 3.48 | 3.51 | 3.52 | 3.53 | 3.54 |
| | 62°F (16.7°C) | 44727 | 43832 | 43613 | 43438 | 43047 | 3.22 | 3.24 | 3.25 | 3.25 | 3.27 |
| | 64.4°F (18.0°C) | 44193 | 43309 | 43093 | 42921 | 42534 | 3.00 | 3.03 | 3.03 | 3.04 | 3.05 |
| | 69.8°F (21.0°C) | 42994 | 42134 | 41923 | 41755 | 41380 | 2.52 | 2.54 | 2.54 | 2.55 | 2.56 |
| | 75.2°F (24.0°C) | 41794 | 40958 | 40753 | 40590 | 40225 | 2.04 | 2.05 | 2.06 | 2.06 | 2.07 |
| 1600 | -13°F (-25.0°C) | 33361 | 32693 | 32530 | 32400 | 32108 | 5.79 | 5.84 | 5.85 | 5.86 | 5.88 |
| | -4°F (-20.0°C) | 36825 | 36088 | 35908 | 35764 | 35442 | 5.84 | 5.89 | 5.90 | 5.91 | 5.94 |
| | 0°F (-17.8°C) | 40126 | 39324 | 39127 | 38971 | 38620 | 5.97 | 6.02 | 6.03 | 6.04 | 6.07 |
| | 5°F (-15.0°C) | 44253 | 43368 | 43152 | 42979 | 42592 | 6.13 | 6.18 | 6.19 | 6.21 | 6.23 |
| | 14°F (-10.0°C) | 42325 | 41478 | 41271 | 41106 | 40736 | 5.75 | 5.80 | 5.81 | 5.82 | 5.84 |
| | 17°F (-8.3°C) | 41682 | 40848 | 40644 | 40481 | 40117 | 5.62 | 5.67 | 5.68 | 5.69 | 5.71 |
| | 22°F (-5.6°C) | 38916 | 38138 | 37947 | 37796 | 37455 | 5.21 | 5.25 | 5.26 | 5.27 | 5.30 |
| | 27°F (-2.8°C) | 36151 | 35428 | 35251 | 35110 | 34794 | 4.80 | 4.84 | 4.85 | 4.86 | 4.88 |
| | 32°F (0.0°C) | 33386 | 32718 | 32554 | 32424 | 32132 | 4.39 | 4.42 | 4.43 | 4.44 | 4.46 |
| | 35°F (1.7°C) | 31727 | 31092 | 30937 | 30813 | 30536 | 4.14 | 4.17 | 4.18 | 4.19 | 4.21 |
| | 37°F (2.8°C) | 34900 | 34202 | 34031 | 33895 | 33590 | 4.22 | 4.25 | 4.26 | 4.27 | 4.28 |
| | 42°F (5.6°C) | 42833 | 41976 | 41766 | 41599 | 41225 | 4.41 | 4.45 | 4.45 | 4.46 | 4.48 |
| | 44.6°F (7.0°C) | 46006 | 45086 | 44860 | 44681 | 44279 | 4.49 | 4.52 | 4.53 | 4.54 | 4.56 |
| | 47°F (8.3°C) | 50765 | 49750 | 49501 | 49303 | 48860 | 4.60 | 4.64 | 4.65 | 4.66 | 4.68 |
| | 52°F (11.1°C) | 49592 | 48600 | 48357 | 48164 | 47730 | 4.15 | 4.18 | 4.19 | 4.20 | 4.22 |
| | 57F (13.9°C) | 48419 | 47450 | 47213 | 47024 | 46601 | 3.70 | 3.73 | 3.74 | 3.74 | 3.76 |
| | 59°F (15.0°C) | 47949 | 46990 | 46755 | 46568 | 46149 | 3.52 | 3.55 | 3.55 | 3.56 | 3.58 |
| | 62°F (16.7°C) | 47245 | 46300 | 46069 | 45884 | 45471 | 3.25 | 3.27 | 3.28 | 3.29 | 3.30 |
| | 64.4°F (18.0°C) | 46682 | 45748 | 45519 | 45337 | 44929 | 3.03 | 3.06 | 3.06 | 3.07 | 3.08 |
| | 69.8°F (21.0°C) | 45415 | 44506 | 44284 | 44107 | 43710 | 2.54 | 2.56 | 2.57 | 2.57 | 2.58 |
| | 75.2°F (24.0°C) | 44147 | 43264 | 43048 | 42876 | 42490 | 2.06 | 2.07 | 2.08 | 2.08 | 2.09 |

## Table 16 – 54K Heating — 37MURA + 45MUAA

| AIRFLOW (CFM) | OUTDOOR DB (°F) | HEATING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | TC: Total Heating Capacity (BTU/hr) | | | | | PI: Power Input (kW) | | | | |
| | | Indoor Conditions (DB °F) | | | | | Indoor Conditions (DB °F) | | | | |
| | | 60.8°F (16.0°C) | 68°F (20.0°C) | 70°F (21.1°C) | 71.6°F (22.0°C) | 75.2°F (24.0°C) | 60.8°F (16.0°C) | 68°F (20.0°C) | 70°F (21.1°C) | 71.6°F (22.0°C) | 75.2°F (24.0°C) |
| 1135 | -13°F (-25.0°C) | 23207 | 22743 | 22629 | 21648 | 21453 | 4.49 | 4.53 | 4.54 | 4.55 | 4.56 |
| | -4°F (-20.0°C) | 26836 | 26300 | 26168 | 25034 | 24808 | 4.80 | 4.84 | 4.85 | 4.86 | 4.88 |
| | 0°F (-17.8°C) | 28801 | 28225 | 28084 | 26867 | 26625 | 4.93 | 4.97 | 4.98 | 4.99 | 5.01 |
| | 5°F (-15.0°C) | 31258 | 30633 | 30480 | 29158 | 28896 | 5.09 | 5.14 | 5.15 | 5.16 | 5.18 |
| | 14°F (-10.0°C) | 33073 | 32412 | 32250 | 30852 | 30574 | 5.10 | 5.15 | 5.16 | 5.17 | 5.19 |
| | 17°F (-8.3°C) | 33678 | 33005 | 32840 | 31416 | 31133 | 5.11 | 5.15 | 5.16 | 5.17 | 5.19 |
| | 22°F (-5.6°C) | 33083 | 32422 | 32260 | 30861 | 30583 | 4.93 | 4.97 | 4.98 | 4.99 | 5.01 |
| | 27°F (-2.8°C) | 32488 | 31838 | 31679 | 30306 | 30033 | 4.75 | 4.79 | 4.80 | 4.81 | 4.83 |
| | 32°F (0.0°C) | 31893 | 31255 | 31099 | 29750 | 29483 | 4.58 | 4.61 | 4.62 | 4.63 | 4.65 |
| | 35°F (1.7°C) | 31536 | 30905 | 30751 | 29417 | 29153 | 4.47 | 4.51 | 4.52 | 4.52 | 4.54 |
| | 37°F (2.8°C) | 33364 | 32697 | 32533 | 31123 | 30843 | 4.38 | 4.42 | 4.43 | 4.44 | 4.46 |
| | 42°F (5.6°C) | 37935 | 37177 | 36991 | 35387 | 35069 | 4.17 | 4.20 | 4.21 | 4.22 | 4.24 |
| | 44.6°F (7.0°C) | 39764 | 38969 | 38774 | 37093 | 36759 | 4.09 | 4.12 | 4.13 | 4.14 | 4.15 |
| | 47°F (8.3°C) | 42506 | 41656 | 41448 | 39651 | 39294 | 3.96 | 3.99 | 4.00 | 4.01 | 4.02 |
| | 52°F (11.1°C) | 42637 | 41785 | 41576 | 39773 | 39415 | 3.69 | 3.72 | 3.73 | 3.74 | 3.75 |
| | 57F (13.9°C) | 42768 | 41913 | 41703 | 39895 | 39536 | 3.42 | 3.45 | 3.46 | 3.46 | 3.48 |
| | 59°F (15.0°C) | 42820 | 41964 | 41754 | 39944 | 39584 | 3.32 | 3.34 | 3.35 | 3.36 | 3.37 |
| | 62°F (16.7°C) | 42899 | 42041 | 41831 | 40017 | 39657 | 3.16 | 3.18 | 3.19 | 3.19 | 3.21 |
| | 64.4°F (18.0°C) | 42962 | 42102 | 41892 | 40076 | 39715 | 3.03 | 3.05 | 3.06 | 3.06 | 3.08 |
| | 69.8°F (21.0°C) | 43103 | 42241 | 42030 | 40208 | 39846 | 2.74 | 2.76 | 2.77 | 2.77 | 2.78 |
| | 75.2°F (24.0°C) | 43244 | 42379 | 42168 | 40339 | 39976 | 2.45 | 2.47 | 2.48 | 2.48 | 2.49 |
| 1359 | -13°F (-25.0°C) | 25714 | 25199 | 25073 | 24475 | 24255 | 4.78 | 4.82 | 4.83 | 4.84 | 4.86 |
| | -4°F (-20.0°C) | 29735 | 29141 | 28995 | 28303 | 28048 | 5.11 | 5.15 | 5.16 | 5.17 | 5.19 |
| | 0°F (-17.8°C) | 31913 | 31274 | 31118 | 30375 | 30102 | 5.25 | 5.29 | 5.30 | 5.31 | 5.33 |
| | 5°F (-15.0°C) | 34635 | 33942 | 33772 | 32966 | 32669 | 5.42 | 5.46 | 5.47 | 5.48 | 5.51 |
| | 14°F (-10.0°C) | 36646 | 35913 | 35734 | 34880 | 34566 | 5.43 | 5.47 | 5.48 | 5.50 | 5.52 |
| | 17°F (-8.3°C) | 37317 | 36570 | 36387 | 35519 | 35199 | 5.43 | 5.48 | 5.49 | 5.50 | 5.52 |
| | 22°F (-5.6°C) | 36657 | 35924 | 35744 | 34891 | 34577 | 5.24 | 5.29 | 5.30 | 5.31 | 5.33 |
| | 27°F (-2.8°C) | 35998 | 35278 | 35101 | 34263 | 33955 | 5.06 | 5.10 | 5.11 | 5.12 | 5.14 |
| | 32°F (0.0°C) | 35338 | 34631 | 34458 | 33635 | 33333 | 4.87 | 4.91 | 4.92 | 4.93 | 4.95 |
| | 35°F (1.7°C) | 34942 | 34244 | 34072 | 33259 | 32959 | 4.76 | 4.79 | 4.80 | 4.81 | 4.83 |
| | 37°F (2.8°C) | 36968 | 36229 | 36048 | 35187 | 34870 | 4.66 | 4.70 | 4.71 | 4.72 | 4.74 |
| | 42°F (5.6°C) | 42033 | 41193 | 40987 | 40008 | 39648 | 4.44 | 4.47 | 4.48 | 4.49 | 4.51 |
| | 44.6°F (7.0°C) | 44059 | 43178 | 42962 | 41936 | 41559 | 4.35 | 4.38 | 4.39 | 4.40 | 4.42 |
| | 47°F (8.3°C) | 47098 | 46156 | 45925 | 44829 | 44425 | 4.21 | 4.24 | 4.25 | 4.26 | 4.28 |
| | 52°F (11.1°C) | 47243 | 46298 | 46067 | 44967 | 44562 | 3.93 | 3.96 | 3.97 | 3.97 | 3.99 |
| | 57F (13.9°C) | 47388 | 46440 | 46208 | 45105 | 44699 | 3.64 | 3.67 | 3.68 | 3.69 | 3.70 |
| | 59°F (15.0°C) | 47446 | 46497 | 46265 | 45160 | 44754 | 3.53 | 3.56 | 3.56 | 3.57 | 3.59 |
| | 62°F (16.7°C) | 47533 | 46582 | 46349 | 45243 | 44836 | 3.36 | 3.38 | 3.39 | 3.40 | 3.41 |
| | 64.4°F (18.0°C) | 47603 | 46651 | 46417 | 45309 | 44901 | 3.22 | 3.25 | 3.25 | 3.26 | 3.27 |
| | 69.8°F (21.0°C) | 47759 | 46804 | 46570 | 45458 | 45049 | 2.91 | 2.94 | 2.94 | 2.95 | 2.96 |
| | 75.2°F (24.0°C) | 47916 | 46957 | 46723 | 45607 | 45197 | 2.61 | 2.63 | 2.63 | 2.64 | 2.65 |

## Table 16 – 54K Heating — 37MURA + 45MUAA (Continued)

| AIRFLOW (CFM) | OUTDOOR DB (°F) | HEATING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | TC: Total Heating Capacity (BTU/hr) | | | | | PI: Power Input (kW) | | | | |
| | | Indoor Conditions (DB °F) | | | | | Indoor Conditions (DB °F) | | | | |
| | | 60.8°F (16.0°C) | 68°F (20.0°C) | 70°F (21.1°C) | 71.6°F (22.0°C) | 75.2°F (24.0°C) | 60.8°F (16.0°C) | 68°F (20.0°C) | 70°F (21.1°C) | 71.6°F (22.0°C) | 75.2°F (24.0°C) |
| 1582 | -13°F (-25.0°C) | 28491 | 27922 | 27782 | 27671 | 27422 | 5.08 | 5.12 | 5.14 | 5.15 | 5.17 |
| | -4°F (-20.0°C) | 32947 | 32288 | 32127 | 31998 | 31710 | 5.43 | 5.48 | 5.49 | 5.50 | 5.52 |
| | 0°F (-17.8°C) | 35360 | 34653 | 34480 | 34342 | 34033 | 5.58 | 5.63 | 5.64 | 5.65 | 5.67 |
| | 5°F (-15.0°C) | 38376 | 37608 | 37420 | 37271 | 36935 | 5.77 | 5.81 | 5.82 | 5.83 | 5.86 |
| | 14°F (-10.0°C) | 40605 | 39793 | 39594 | 39435 | 39080 | 5.78 | 5.82 | 5.83 | 5.85 | 5.87 |
| | 17°F (-8.3°C) | 41348 | 40521 | 40318 | 40157 | 39795 | 5.78 | 5.83 | 5.84 | 5.85 | 5.87 |
| | 22°F (-5.6°C) | 40617 | 39805 | 39606 | 39447 | 39092 | 5.58 | 5.62 | 5.64 | 5.65 | 5.67 |
| | 27°F (-2.8°C) | 39886 | 39088 | 38893 | 38737 | 38389 | 5.38 | 5.42 | 5.43 | 5.44 | 5.47 |
| | 32°F (0.0°C) | 39155 | 38372 | 38180 | 38028 | 37685 | 5.18 | 5.22 | 5.23 | 5.24 | 5.26 |
| | 35°F (1.7°C) | 38717 | 37943 | 37753 | 37602 | 37263 | 5.06 | 5.10 | 5.11 | 5.12 | 5.14 |
| | 37°F (2.8°C) | 40962 | 40143 | 39942 | 39782 | 39424 | 4.96 | 5.00 | 5.01 | 5.02 | 5.04 |
| | 42°F (5.6°C) | 46574 | 45642 | 45414 | 45232 | 44825 | 4.72 | 4.76 | 4.77 | 4.78 | 4.80 |
| | 44.6°F (7.0°C) | 48819 | 47842 | 47603 | 47413 | 46986 | 4.62 | 4.66 | 4.67 | 4.68 | 4.70 |
| | 47°F (8.3°C) | 52186 | 51142 | 50886 | 50683 | 50227 | 4.48 | 4.52 | 4.52 | 4.53 | 4.55 |
| | 52°F (11.1°C) | 52346 | 51300 | 51043 | 50839 | 50381 | 4.18 | 4.21 | 4.22 | 4.23 | 4.24 |
| | 57F (13.9°C) | 52507 | 51457 | 51200 | 50995 | 50536 | 3.87 | 3.91 | 3.91 | 3.92 | 3.94 |
| | 59°F (15.0°C) | 52571 | 51520 | 51262 | 51057 | 50598 | 3.75 | 3.78 | 3.79 | 3.80 | 3.81 |
| | 62°F (16.7°C) | 52668 | 51614 | 51356 | 51151 | 50690 | 3.57 | 3.60 | 3.61 | 3.61 | 3.63 |
| | 64.4°F (18.0°C) | 52745 | 51690 | 51431 | 51226 | 50765 | 3.43 | 3.45 | 3.46 | 3.47 | 3.48 |
| | 69.8°F (21.0°C) | 52918 | 51860 | 51601 | 51394 | 50932 | 3.10 | 3.12 | 3.13 | 3.14 | 3.15 |
| | 75.2°F (24.0°C) | 53092 | 52030 | 51770 | 51563 | 51099 | 2.77 | 2.80 | 2.80 | 2.81 | 2.82 |
| 1806 | -13°F (-25.0°C) | 31569 | 30938 | 30783 | 30660 | 30384 | 5.41 | 5.45 | 5.46 | 5.47 | 5.50 |
| | -4°F (-20.0°C) | 36506 | 35776 | 35597 | 35455 | 35136 | 5.78 | 5.83 | 5.84 | 5.85 | 5.87 |
| | 0°F (-17.8°C) | 39180 | 38396 | 38204 | 38051 | 37709 | 5.94 | 5.98 | 6.00 | 6.01 | 6.03 |
| | 5°F (-15.0°C) | 42521 | 41671 | 41463 | 41297 | 40925 | 6.13 | 6.18 | 6.20 | 6.21 | 6.23 |
| | 14°F (-10.0°C) | 44991 | 44091 | 43871 | 43695 | 43302 | 6.14 | 6.19 | 6.21 | 6.22 | 6.24 |
| | 17°F (-8.3°C) | 45814 | 44898 | 44673 | 44495 | 44094 | 6.15 | 6.20 | 6.21 | 6.22 | 6.25 |
| | 22°F (-5.6°C) | 45004 | 44104 | 43884 | 43708 | 43315 | 5.94 | 5.98 | 6.00 | 6.01 | 6.03 |
| | 27°F (-2.8°C) | 44195 | 43311 | 43094 | 42922 | 42536 | 5.72 | 5.77 | 5.78 | 5.79 | 5.82 |
| | 32°F (0.0°C) | 43385 | 42517 | 42305 | 42136 | 41756 | 5.51 | 5.55 | 5.57 | 5.58 | 5.60 |
| | 35°F (1.7°C) | 42899 | 42041 | 41831 | 41664 | 41289 | 5.38 | 5.43 | 5.44 | 5.45 | 5.47 |
| | 37°F (2.8°C) | 45387 | 44479 | 44256 | 44079 | 43683 | 5.28 | 5.32 | 5.33 | 5.34 | 5.36 |
| | 42°F (5.6°C) | 51605 | 50573 | 50320 | 50119 | 49668 | 5.02 | 5.06 | 5.07 | 5.08 | 5.10 |
| | 44.6°F (7.0°C) | 54092 | 53010 | 52745 | 52534 | 52061 | 4.92 | 4.96 | 4.97 | 4.98 | 5.00 |
| | 47°F (8.3°C) | 57823 | 56667 | 56383 | 56158 | 55652 | 4.76 | 4.80 | 4.81 | 4.82 | 4.84 |
| | 52°F (11.1°C) | 58001 | 56841 | 56557 | 56331 | 55824 | 4.44 | 4.48 | 4.49 | 4.50 | 4.52 |
| | 57F (13.9°C) | 58179 | 57015 | 56730 | 56503 | 55995 | 4.12 | 4.15 | 4.16 | 4.17 | 4.19 |
| | 59°F (15.0°C) | 58250 | 57085 | 56800 | 56573 | 56063 | 3.99 | 4.02 | 4.03 | 4.04 | 4.06 |
| | 62°F (16.7°C) | 58357 | 57190 | 56904 | 56676 | 56166 | 3.80 | 3.83 | 3.84 | 3.85 | 3.86 |
| | 64.4°F (18.0°C) | 58442 | 57274 | 56987 | 56759 | 56248 | 3.65 | 3.67 | 3.68 | 3.69 | 3.70 |
| | 69.8°F (21.0°C) | 58635 | 57462 | 57175 | 56946 | 56433 | 3.30 | 3.32 | 3.33 | 3.34 | 3.35 |
| | 75.2°F (24.0°C) | 58827 | 57650 | 57362 | 57133 | 56618 | 2.95 | 2.97 | 2.98 | 2.99 | 3.00 |

# COOLING PERFORMANCE - 37MURA + 45MULA

For the following tables:
TC = Total Cooling Capacity (BTU/hr)
S/T = Sensible Cooling Capacity Ratio
PI = Power Input (kW)

Extrapolated Data: The highlighted data is tested; other data is simulated and for reference.

## Table 17 – 18K Cooling — 37MURA + 45MULA (24A)

| Airflow CFM | Out-door DB °F | ID WB °F | 60.8°F (16.0°C) | | | | | 64.4°F (16.0°C) | | | | | 67.0°F (19.4°C) | | | | | 71.6°F (22.0°C) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ID DB °F | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C |
| 441 | -13°F 25°C | TC | 12511 | 12507 | 12504 | 12576 | 12946 | 13062 | 13055 | 13049 | 13048 | 13039 | 13452 | 13445 | 13436 | 13435 | 13425 | 14190 | 14187 | 14176 | 14173 | 14151 |
| | | S/T | 0.77 | 0.88 | 0.97 | 1.00 | 1.00 | 0.63 | 0.73 | 0.81 | 0.83 | 0.93 | 0.54 | 0.63 | 0.71 | 0.73 | 0.83 | 0.39 | 0.46 | 0.54 | 0.56 | 0.65 |
| | | PI | 0.68 | 0.68 | 0.68 | 0.68 | 0.68 | 0.68 | 0.68 | 0.68 | 0.68 | 0.68 | 0.68 | 0.68 | 0.68 | 0.68 | 0.68 | 0.68 | 0.68 | 0.68 | 0.68 | 0.68 |
| | -4°F 20°C | TC | 13474 | 13469 | 13465 | 13544 | 13942 | 14067 | 14059 | 14053 | 14052 | 14042 | 14487 | 14479 | 14470 | 14468 | 14458 | 15282 | 15278 | 15267 | 15263 | 15240 |
| | | S/T | 0.78 | 0.88 | 0.97 | 1.00 | 1.00 | 0.63 | 0.73 | 0.82 | 0.83 | 0.93 | 0.54 | 0.64 | 0.72 | 0.73 | 0.83 | 0.39 | 0.47 | 0.55 | 0.56 | 0.65 |
| | | PI | 0.71 | 0.71 | 0.71 | 0.71 | 0.71 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.71 | 0.71 | 0.71 | 0.71 | 0.71 |
| | 0°F 17.8°C | TC | 13918 | 13912 | 13966 | 14073 | 14462 | 14525 | 14514 | 14506 | 14505 | 14502 | 14951 | 14943 | 14929 | 14927 | 14914 | 15757 | 15753 | 15753 | 15755 | 15767 |
| | | S/T | 0.78 | 0.89 | 0.99 | 1.00 | 1.00 | 0.64 | 0.74 | 0.83 | 0.84 | 0.95 | 0.54 | 0.64 | 0.73 | 0.74 | 0.84 | 0.39 | 0.47 | 0.55 | 0.57 | 0.66 |
| | | PI | 0.71 | 0.71 | 0.71 | 0.71 | 0.71 | 0.71 | 0.71 | 0.71 | 0.71 | 0.71 | 0.71 | 0.71 | 0.71 | 0.71 | 0.71 | 0.72 | 0.72 | 0.72 | 0.72 | 0.72 |
| | 5°F 15°C | TC | 14328 | 14341 | 14534 | 14601 | 15047 | 15009 | 15012 | 15014 | 15014 | 15088 | 15500 | 15499 | 15503 | 15504 | 15506 | 16427 | 16422 | 16422 | 16423 | 16432 |
| | | S/T | 0.79 | 0.90 | 1.00 | 1.00 | 1.00 | 0.64 | 0.75 | 0.84 | 0.85 | 0.96 | 0.54 | 0.65 | 0.73 | 0.75 | 0.85 | 0.39 | 0.47 | 0.55 | 0.57 | 0.66 |
| | | PI | 0.72 | 0.72 | 0.72 | 0.72 | 0.72 | 0.72 | 0.72 | 0.72 | 0.72 | 0.72 | 0.73 | 0.73 | 0.73 | 0.73 | 0.73 | 0.74 | 0.74 | 0.74 | 0.74 | 0.74 |
| | 14°F 10°C | TC | 14579 | 14573 | 14634 | 14762 | 15220 | 15310 | 15302 | 15294 | 15293 | 15285 | 15840 | 15832 | 15820 | 15818 | 15804 | 16836 | 16830 | 16818 | 16814 | 16789 |
| | | S/T | 0.78 | 0.89 | 0.99 | 1.00 | 1.00 | 0.64 | 0.74 | 0.82 | 0.84 | 0.94 | 0.54 | 0.64 | 0.72 | 0.74 | 0.83 | 0.39 | 0.47 | 0.55 | 0.56 | 0.65 |
| | | PI | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 |
| | 17°F 10°C | TC | 14680 | 14684 | 14864 | 14950 | 15431 | 15417 | 15419 | 15422 | 15422 | 15495 | 15909 | 15915 | 15925 | 15926 | 15930 | 16967 | 16962 | 16964 | 16967 | 16983 |
| | | S/T | 0.79 | 0.89 | 1.00 | 1.00 | 1.00 | 0.64 | 0.74 | 0.83 | 0.85 | 0.95 | 0.55 | 0.65 | 0.73 | 0.75 | 0.85 | 0.39 | 0.47 | 0.55 | 0.57 | 0.66 |
| | | PI | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 |
| | 23°F 5°C | TC | 14974 | 14995 | 15239 | 15314 | 15814 | 15743 | 15747 | 15749 | 15749 | 15842 | 16298 | 16297 | 16302 | 16303 | 16305 | 17348 | 17343 | 17344 | 17346 | 17358 |
| | | S/T | 0.80 | 0.91 | 1.00 | 1.00 | 1.00 | 0.65 | 0.75 | 0.84 | 0.86 | 0.97 | 0.54 | 0.65 | 0.74 | 0.75 | 0.85 | 0.39 | 0.47 | 0.56 | 0.57 | 0.66 |
| | | PI | 0.61 | 0.61 | 0.61 | 0.61 | 0.62 | 0.61 | 0.62 | 0.62 | 0.62 | 0.62 | 0.62 | 0.62 | 0.62 | 0.62 | 0.62 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 |
| | 35°F 1.7°C | TC | 15771 | 15771 | 15802 | 15820 | 16226 | 16528 | 16525 | 16526 | 16526 | 16527 | 17059 | 17057 | 17056 | 17056 | 17058 | 18047 | 18042 | 18039 | 18041 | 18038 |
| | | S/T | 0.75 | 0.85 | 0.93 | 0.94 | 1.00 | 0.62 | 0.71 | 0.79 | 0.80 | 0.89 | 0.53 | 0.62 | 0.69 | 0.71 | 0.80 | 0.39 | 0.46 | 0.53 | 0.54 | 0.63 |
| | | PI | 0.60 | 0.60 | 0.60 | 0.60 | 0.62 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.66 | 0.66 | 0.66 | 0.66 | 0.66 | 0.72 | 0.72 | 0.72 | 0.72 | 0.72 |
| | 41°F 5°C | TC | 15107 | 15107 | 15149 | 15169 | 15600 | 15828 | 15826 | 15826 | 15827 | 15840 | 16334 | 16332 | 16331 | 16331 | 16333 | 17275 | 17270 | 17267 | 17269 | 17266 |
| | | S/T | 0.76 | 0.86 | 0.94 | 0.96 | 1.00 | 0.62 | 0.72 | 0.80 | 0.81 | 0.90 | 0.53 | 0.62 | 0.70 | 0.71 | 0.81 | 0.39 | 0.46 | 0.53 | 0.55 | 0.64 |
| | | PI | 0.65 | 0.65 | 0.65 | 0.65 | 0.68 | 0.69 | 0.69 | 0.69 | 0.69 | 0.69 | 0.72 | 0.72 | 0.72 | 0.72 | 0.72 | 0.79 | 0.79 | 0.79 | 0.79 | 0.79 |
| | 47°F 8.3°C | TC | 14440 | 14440 | 14496 | 14521 | 14968 | 15127 | 15125 | 15126 | 15126 | 15149 | 15609 | 15608 | 15606 | 15606 | 15607 | 16505 | 16501 | 16500 | 16499 | 16497 |
| | | S/T | 0.77 | 0.87 | 0.95 | 0.97 | 1.00 | 0.63 | 0.72 | 0.81 | 0.82 | 0.91 | 0.53 | 0.63 | 0.71 | 0.72 | 0.82 | 0.39 | 0.46 | 0.54 | 0.55 | 0.64 |
| | | PI | 0.70 | 0.70 | 0.70 | 0.71 | 0.73 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.78 | 0.78 | 0.78 | 0.78 | 0.78 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 |
| | 50°F 10°C | TC | 14070 | 14300 | 14777 | 14862 | 15431 | 14896 | 14905 | 14954 | 14973 | 15449 | 15483 | 15503 | 15512 | 15513 | 15583 | 16598 | 16606 | 16647 | 16651 | 16673 |
| | | S/T | 0.87 | 1.00 | 1.00 | 1.00 | 1.00 | 0.69 | 0.81 | 0.92 | 0.94 | 1.00 | 0.57 | 0.69 | 0.80 | 0.81 | 0.93 | 0.39 | 0.49 | 0.58 | 0.60 | 0.71 |
| | | PI | 0.79 | 0.79 | 0.79 | 0.79 | 0.79 | 0.79 | 0.79 | 0.79 | 0.79 | 0.79 | 0.79 | 0.79 | 0.79 | 0.79 | 0.79 | 0.79 | 0.79 | 0.79 | 0.79 | 0.79 |
| | 59°F 15°C | TC | 13760 | 14092 | 14587 | 14675 | 15266 | 14600 | 14606 | 14679 | 14707 | 15283 | 15206 | 15222 | 15229 | 15229 | 15330 | 16367 | 16372 | 16404 | 16408 | 16424 |
| | | S/T | 0.88 | 1.00 | 1.00 | 1.00 | 1.00 | 0.70 | 0.83 | 0.94 | 0.97 | 1.00 | 0.58 | 0.71 | 0.81 | 0.83 | 0.96 | 0.39 | 0.50 | 0.59 | 0.61 | 0.73 |
| | | PI | 0.82 | 0.82 | 0.83 | 0.83 | 0.83 | 0.83 | 0.83 | 0.83 | 0.83 | 0.83 | 0.83 | 0.83 | 0.83 | 0.83 | 0.83 | 0.83 | 0.83 | 0.83 | 0.83 | 0.83 |
| | 68°F 20°C | TC | 13465 | 13899 | 14410 | 14501 | 15111 | 14306 | 14311 | 14423 | 14517 | 15128 | 14929 | 14941 | 14945 | 14946 | 15116 | 16120 | 16125 | 16151 | 16154 | 16166 |
| | | S/T | 0.91 | 1.00 | 1.00 | 1.00 | 1.00 | 0.72 | 0.85 | 0.97 | 1.00 | 1.00 | 0.59 | 0.72 | 0.84 | 0.86 | 0.99 | 0.40 | 0.50 | 0.61 | 0.62 | 0.75 |
| | | PI | 0.85 | 0.86 | 0.86 | 0.86 | 0.87 | 0.86 | 0.86 | 0.86 | 0.86 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 |
| | 77°F 25°C | TC | 13145 | 13648 | 14177 | 14272 | 14902 | 13999 | 14006 | 14167 | 14288 | 14920 | 14638 | 14655 | 14662 | 14679 | 14933 | 15854 | 15869 | 15904 | 15908 | 15925 |
| | | S/T | 0.92 | 1.00 | 1.00 | 1.00 | 1.00 | 0.72 | 0.87 | 0.99 | 1.00 | 1.00 | 0.59 | 0.73 | 0.85 | 0.86 | 1.00 | 0.40 | 0.51 | 0.61 | 0.63 | 0.76 |
| | | PI | 0.89 | 0.89 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.91 | 0.91 | 0.91 | 0.91 | 0.91 |
| | 82°F 27.8°C | TC | 13196 | 13756 | 14304 | 14401 | 15056 | 14067 | 14090 | 14321 | 14419 | 15073 | 14725 | 14745 | 14752 | 14775 | 15087 | 15972 | 15993 | 16033 | 16037 | 16056 |
| | | S/T | 0.94 | 1.00 | 1.00 | 1.00 | 1.00 | 0.73 | 0.87 | 1.00 | 1.00 | 1.00 | 0.60 | 0.74 | 0.86 | 0.87 | 1.00 | 0.40 | 0.51 | 0.62 | 0.63 | 0.76 |
| | | PI | 0.97 | 0.98 | 0.98 | 0.98 | 0.99 | 0.98 | 0.98 | 0.98 | 0.98 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| | 86°F 30°C | TC | 13516 | 14142 | 14715 | 14817 | 15507 | 14408 | 14438 | 14733 | 14835 | 15520 | 15096 | 15113 | 15137 | 15151 | 15534 | 16393 | 16417 | 16455 | 16459 | 16477 |
| | | S/T | 0.95 | 1.00 | 1.00 | 1.00 | 1.00 | 0.74 | 0.88 | 1.00 | 1.00 | 1.00 | 0.60 | 0.75 | 0.86 | 0.88 | 1.00 | 0.40 | 0.51 | 0.62 | 0.64 | 0.77 |
| | | PI | 1.12 | 1.13 | 1.13 | 1.13 | 1.14 | 1.13 | 1.13 | 1.13 | 1.13 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.15 | 1.15 | 1.15 | 1.15 | 1.15 |
| | 95°F 35°C | TC | 14410 | 14435 | 14745 | 14832 | 15414 | 15331 | 15335 | 15340 | 15341 | 15445 | 15993 | 15995 | 16003 | 16005 | 16012 | 17265 | 17259 | 17261 | 17260 | 17273 |
| | | S/T | 0.80 | 0.91 | 1.00 | 1.00 | 1.00 | 0.65 | 0.75 | 0.84 | 0.86 | 0.96 | 0.54 | 0.65 | 0.73 | 0.75 | 0.85 | 0.39 | 0.47 | 0.55 | 0.56 | 0.66 |
| | | PI | 1.40 | 1.40 | 1.41 | 1.42 | 1.45 | 1.44 | 1.44 | 1.44 | 1.44 | 1.45 | 1.47 | 1.47 | 1.47 | 1.47 | 1.47 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 |
| | 104°F 40°C | TC | 12149 | 12192 | 12544 | 12618 | 13118 | 12926 | 12931 | 12934 | 12935 | 13105 | 13485 | 13487 | 13494 | 13496 | 13500 | 14557 | 14551 | 14554 | 14552 | 14566 |
| | | S/T | 0.82 | 0.94 | 1.00 | 1.00 | 1.00 | 0.66 | 0.77 | 0.86 | 0.88 | 1.00 | 0.55 | 0.66 | 0.75 | 0.77 | 0.87 | 0.39 | 0.47 | 0.56 | 0.58 | 0.67 |
| | | PI | 1.12 | 1.12 | 1.13 | 1.14 | 1.16 | 1.15 | 1.15 | 1.15 | 1.15 | 1.16 | 1.17 | 1.17 | 1.17 | 1.17 | 1.17 | 1.22 | 1.22 | 1.22 | 1.22 | 1.22 |
| | 110°F 43°C | TC | 10723 | 11013 | 11431 | 11505 | 11999 | 11455 | 11459 | 11509 | 11531 | 12012 | 11978 | 11985 | 11989 | 11989 | 12059 | 12984 | 12978 | 12991 | 12993 | 13003 |
| | | S/T | 0.89 | 1.00 | 1.00 | 1.00 | 1.00 | 0.70 | 0.83 | 0.94 | 0.96 | 1.00 | 0.58 | 0.70 | 0.81 | 0.83 | 0.96 | 0.39 | 0.49 | 0.59 | 0.61 | 0.73 |
| | | PI | 0.96 | 0.96 | 0.98 | 0.98 | 0.99 | 0.98 | 0.98 | 0.98 | 0.98 | 1.00 | 1.00 | 0.99 | 0.99 | 0.99 | 1.00 | 1.03 | 1.03 | 1.03 | 1.03 | 1.03 |
| | 115°F 46°C | TC | 9601 | 9962 | 10354 | 10423 | 10888 | 10255 | 10257 | 10347 | 10437 | 10900 | 10744 | 10754 | 10757 | 10757 | 10910 | 11660 | 11655 | 11673 | 11674 | 11680 |
| | | S/T | 0.92 | 1.00 | 1.00 | 1.00 | 1.00 | 0.72 | 0.86 | 0.98 | 1.00 | 1.00 | 0.59 | 0.73 | 0.84 | 0.86 | 1.00 | 0.40 | 0.50 | 0.61 | 0.63 | 0.75 |
| | | PI | 0.97 | 0.98 | 0.99 | 0.99 | 1.01 | 0.99 | 0.99 | 0.99 | 1.00 | 1.01 | 1.01 | 1.01 | 1.01 | 1.01 | 1.01 | 1.03 | 1.03 | 1.03 | 1.03 | 1.03 |
| | 122°F 50°C | TC | 8228 | 8679 | 9065 | 9134 | 9592 | 8609 | 8677 | 9075 | 9144 | 9602 | 9066 | 9066 | 9113 | 9140 | 9611 | 9922 | 9942 | 9947 | 9947 | 9941 |
| | | S/T | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.80 | 0.98 | 1.00 | 1.00 | 1.00 | 0.64 | 0.81 | 0.95 | 0.98 | 1.00 | 0.41 | 0.54 | 0.67 | 0.69 | 0.84 |
| | | PI | 1.01 | 1.02 | 1.02 | 1.03 | 1.03 | 1.02 | 1.02 | 1.03 | 1.03 | 1.04 | 1.03 | 1.03 | 1.03 | 1.03 | 1.04 | 1.05 | 1.05 | 1.04 | 1.04 | 1.04 |

## Table 17 – 18K Cooling — 37MURA + 45MULA (24A) (Continued)

| Airflow CFM | Out-door DB °F | ID WB °F | 60.8°F (16.0°C) | | | | | 64.4°F (16.0°C) | | | | | 67.0°F (19.4°C) | | | | | 71.6°F (22.0°C) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ID DB °F | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C |
| 617 | -13°F 25°C | TC | 17022 | 17015 | 17257 | 17329 | 17806 | 17760 | 17746 | 17734 | 17733 | 17718 | 18291 | 18268 | 18251 | 18248 | 18231 | 19294 | 19289 | 19249 | 19242 | 19201 |
| | | S/T | 0.80 | 0.91 | 1.00 | 1.00 | 1.00 | 0.65 | 0.75 | 0.85 | 0.86 | 0.97 | 0.55 | 0.65 | 0.74 | 0.76 | 0.86 | 0.39 | 0.47 | 0.56 | 0.57 | 0.67 |
| | | PI | 0.92 | 0.92 | 0.92 | 0.92 | 0.91 | 0.91 | 0.91 | 0.91 | 0.91 | 0.91 | 0.91 | 0.91 | 0.91 | 0.91 | 0.91 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 |
| | -4°F 20°C | TC | 18332 | 18323 | 18585 | 18662 | 19175 | 19126 | 19111 | 19099 | 19097 | 19081 | 19698 | 19674 | 19655 | 19652 | 19633 | 20778 | 20772 | 20730 | 20722 | 20678 |
| | | S/T | 0.80 | 0.92 | 1.00 | 1.00 | 1.00 | 0.65 | 0.76 | 0.85 | 0.87 | 0.98 | 0.55 | 0.65 | 0.74 | 0.76 | 0.86 | 0.39 | 0.48 | 0.56 | 0.57 | 0.67 |
| | | PI | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.94 | 0.94 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| | 0°F 17.8°C | TC | 18940 | 18929 | 19280 | 19361 | 19892 | 19752 | 19731 | 19715 | 19713 | 19911 | 20333 | 20304 | 20279 | 20276 | 20266 | 21427 | 21421 | 21420 | 21423 | 21436 |
| | | S/T | 0.81 | 0.93 | 1.00 | 1.00 | 1.00 | 0.66 | 0.77 | 0.86 | 0.88 | 1.00 | 0.55 | 0.66 | 0.75 | 0.77 | 0.87 | 0.39 | 0.48 | 0.57 | 0.58 | 0.68 |
| | | PI | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 |
| | 5°F 15°C | TC | 19483 | 19550 | 19997 | 20089 | 20708 | 20397 | 20402 | 20403 | 20424 | 20729 | 21049 | 21055 | 21059 | 21059 | 21087 | 22284 | 22277 | 22289 | 22291 | 22301 |
| | | S/T | 0.82 | 0.94 | 1.00 | 1.00 | 1.00 | 0.66 | 0.78 | 0.87 | 0.88 | 1.00 | 0.56 | 0.67 | 0.76 | 0.78 | 0.88 | 0.39 | 0.48 | 0.57 | 0.59 | 0.69 |
| | | PI | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| | 14°F 10°C | TC | 19839 | 19829 | 20234 | 20329 | 20959 | 20824 | 20806 | 20792 | 20789 | 20984 | 21538 | 21511 | 21489 | 21485 | 21464 | 22901 | 22894 | 22850 | 22842 | 22794 |
| | | S/T | 0.81 | 0.93 | 1.00 | 1.00 | 1.00 | 0.65 | 0.76 | 0.86 | 0.87 | 1.00 | 0.55 | 0.66 | 0.75 | 0.76 | 0.87 | 0.39 | 0.48 | 0.56 | 0.57 | 0.67 |
| | | PI | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 |
| | 17°F 10°C | TC | 19911 | 19976 | 20437 | 20537 | 21204 | 20902 | 20911 | 20914 | 20932 | 21227 | 21615 | 21623 | 21632 | 21633 | 21660 | 22988 | 22982 | 22979 | 22983 | 23002 |
| | | S/T | 0.82 | 0.93 | 1.00 | 1.00 | 1.00 | 0.66 | 0.77 | 0.87 | 0.88 | 1.00 | 0.55 | 0.66 | 0.76 | 0.77 | 0.87 | 0.39 | 0.48 | 0.57 | 0.58 | 0.68 |
| | | PI | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.81 | 0.81 | 0.81 | 0.81 | 0.81 |
| | 23°F 5°C | TC | 20362 | 20449 | 20978 | 21082 | 21777 | 21393 | 21399 | 21401 | 21430 | 21800 | 22131 | 22138 | 22144 | 22144 | 22180 | 23531 | 23524 | 23541 | 23544 | 23558 |
| | | S/T | 0.83 | 0.95 | 1.00 | 1.00 | 1.00 | 0.66 | 0.78 | 0.88 | 0.89 | 1.00 | 0.56 | 0.67 | 0.76 | 0.78 | 0.89 | 0.39 | 0.48 | 0.57 | 0.59 | 0.69 |
| | | PI | 0.82 | 0.82 | 0.82 | 0.82 | 0.83 | 0.83 | 0.83 | 0.83 | 0.83 | 0.83 | 0.83 | 0.83 | 0.83 | 0.83 | 0.83 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 |
| | 35°F 1.7°C | TC | 21461 | 21462 | 21588 | 21649 | 22347 | 22465 | 22464 | 22466 | 22466 | 22526 | 23168 | 23166 | 23167 | 23168 | 23170 | 24472 | 24467 | 24465 | 24464 | 24466 |
| | | S/T | 0.78 | 0.88 | 0.97 | 0.99 | 1.00 | 0.63 | 0.73 | 0.82 | 0.83 | 0.93 | 0.54 | 0.63 | 0.72 | 0.73 | 0.83 | 0.39 | 0.46 | 0.54 | 0.56 | 0.65 |
| | | PI | 0.80 | 0.80 | 0.81 | 0.81 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.86 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 |
| | 41°F 5°C | TC | 20556 | 20556 | 20720 | 20864 | 21481 | 21512 | 21512 | 21513 | 21513 | 21589 | 22183 | 22182 | 22183 | 22183 | 22185 | 23428 | 23422 | 23421 | 23420 | 23422 |
| | | S/T | 0.78 | 0.89 | 0.98 | 1.00 | 1.00 | 0.64 | 0.74 | 0.83 | 0.84 | 0.94 | 0.54 | 0.64 | 0.72 | 0.74 | 0.84 | 0.39 | 0.47 | 0.55 | 0.56 | 0.66 |
| | | PI | 0.87 | 0.87 | 0.88 | 0.89 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 1.06 | 1.06 | 1.06 | 1.06 | 1.06 |
| | 47°F 8.3°C | TC | 19650 | 19663 | 19926 | 20015 | 20608 | 20561 | 20560 | 20561 | 20560 | 20655 | 21199 | 21197 | 21199 | 21198 | 21198 | 22386 | 22380 | 22378 | 22378 | 22380 |
| | | S/T | 0.79 | 0.90 | 1.00 | 1.00 | 1.00 | 0.64 | 0.75 | 0.84 | 0.85 | 0.96 | 0.54 | 0.65 | 0.73 | 0.75 | 0.85 | 0.39 | 0.47 | 0.55 | 0.57 | 0.67 |
| | | PI | 0.94 | 0.94 | 0.96 | 0.97 | 1.01 | 1.00 | 1.00 | 1.00 | 1.00 | 1.01 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 |
| | 50°F 10°C | TC | 19161 | 19688 | 20353 | 20470 | 21264 | 20242 | 20254 | 20394 | 20458 | 21284 | 21032 | 21059 | 21070 | 21072 | 21274 | 22482 | 22541 | 22599 | 22606 | 22634 |
| | | S/T | 0.90 | 1.00 | 1.00 | 1.00 | 1.00 | 0.71 | 0.85 | 0.96 | 0.99 | 1.00 | 0.59 | 0.72 | 0.83 | 0.85 | 0.99 | 0.40 | 0.50 | 0.60 | 0.62 | 0.74 |
| | | PI | 1.07 | 1.07 | 1.07 | 1.07 | 1.07 | 1.07 | 1.07 | 1.07 | 1.07 | 1.07 | 1.07 | 1.07 | 1.07 | 1.07 | 1.07 | 1.07 | 1.07 | 1.06 | 1.06 | 1.06 |
| | 59°F 15°C | TC | 18751 | 19409 | 20097 | 20220 | 21043 | 19839 | 19866 | 20092 | 20241 | 21063 | 20658 | 20679 | 20686 | 20716 | 21081 | 22182 | 22227 | 22271 | 22276 | 22294 |
| | | S/T | 0.92 | 1.00 | 1.00 | 1.00 | 1.00 | 0.73 | 0.86 | 1.00 | 1.00 | 1.00 | 0.60 | 0.73 | 0.85 | 0.86 | 1.00 | 0.40 | 0.51 | 0.61 | 0.63 | 0.76 |
| | | PI | 1.11 | 1.11 | 1.11 | 1.11 | 1.12 | 1.11 | 1.11 | 1.11 | 1.11 | 1.12 | 1.12 | 1.12 | 1.11 | 1.12 | 1.12 | 1.12 | 1.12 | 1.12 | 1.12 | 1.12 |
| | 68°F 20°C | TC | 18335 | 19117 | 19826 | 19952 | 20799 | 19410 | 19454 | 19848 | 19974 | 20819 | 20249 | 20264 | 20301 | 20319 | 20837 | 21819 | 21859 | 21893 | 21897 | 21908 |
| | | S/T | 0.95 | 1.00 | 1.00 | 1.00 | 1.00 | 0.74 | 0.89 | 1.00 | 1.00 | 1.00 | 0.61 | 0.75 | 0.87 | 0.89 | 1.00 | 0.40 | 0.51 | 0.63 | 0.65 | 0.78 |
| | | PI | 1.15 | 1.15 | 1.16 | 1.16 | 1.17 | 1.16 | 1.16 | 1.16 | 1.16 | 1.17 | 1.16 | 1.16 | 1.16 | 1.16 | 1.17 | 1.18 | 1.18 | 1.18 | 1.18 | 1.18 |
| | 77°F 25°C | TC | 17907 | 18769 | 19503 | 19633 | 20510 | 18983 | 19043 | 19525 | 19655 | 20531 | 19843 | 19865 | 19916 | 19938 | 20548 | 21431 | 21496 | 21546 | 21551 | 21571 |
| | | S/T | 0.97 | 1.00 | 1.00 | 1.00 | 1.00 | 0.75 | 0.90 | 1.00 | 1.00 | 1.00 | 0.61 | 0.76 | 0.88 | 0.90 | 1.00 | 0.40 | 0.52 | 0.63 | 0.65 | 0.79 |
| | | PI | 1.20 | 1.20 | 1.21 | 1.21 | 1.22 | 1.21 | 1.21 | 1.21 | 1.21 | 1.22 | 1.21 | 1.21 | 1.21 | 1.21 | 1.22 | 1.23 | 1.23 | 1.22 | 1.22 | 1.22 |
| | 82°F 27.8°C | TC | 17991 | 18909 | 19672 | 19805 | 20712 | 19065 | 19138 | 19689 | 19827 | 20734 | 19951 | 19977 | 20039 | 20063 | 20752 | 21572 | 21653 | 21709 | 21715 | 21739 |
| | | S/T | 0.99 | 1.00 | 1.00 | 1.00 | 1.00 | 0.76 | 0.91 | 1.00 | 1.00 | 1.00 | 0.62 | 0.77 | 0.89 | 0.92 | 1.00 | 0.40 | 0.52 | 0.64 | 0.66 | 0.80 |
| | | PI | 1.31 | 1.32 | 1.33 | 1.33 | 1.33 | 1.32 | 1.32 | 1.32 | 1.33 | 1.33 | 1.33 | 1.33 | 1.33 | 1.33 | 1.33 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 |
| | 86°F 30°C | TC | 18526 | 19451 | 20246 | 20387 | 21337 | 19537 | 19627 | 20269 | 20411 | 21359 | 20463 | 20486 | 20562 | 20591 | 21377 | 22153 | 22239 | 22292 | 22297 | 22318 |
| | | S/T | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.77 | 0.93 | 1.00 | 1.00 | 1.00 | 0.62 | 0.78 | 0.91 | 0.93 | 1.00 | 0.40 | 0.52 | 0.64 | 0.66 | 0.81 |
| | | PI | 1.51 | 1.52 | 1.53 | 1.53 | 1.54 | 1.52 | 1.52 | 1.53 | 1.53 | 1.54 | 1.53 | 1.53 | 1.53 | 1.53 | 1.54 | 1.55 | 1.55 | 1.55 | 1.55 | 1.54 |
| | 95°F 35°C | TC | 19596 | 19702 | 20338 | 20459 | 21267 | 20826 | 20838 | 20845 | 20870 | 21294 | 21720 | 21724 | 21738 | 21740 | 21776 | 23404 | 23395 | 23400 | 23407 | 23438 |
| | | S/T | 0.83 | 0.95 | 1.00 | 1.00 | 1.00 | 0.66 | 0.78 | 0.88 | 0.89 | 1.00 | 0.56 | 0.67 | 0.76 | 0.78 | 0.88 | 0.39 | 0.48 | 0.57 | 0.58 | 0.68 |
| | | PI | 1.88 | 1.89 | 1.92 | 1.92 | 1.96 | 1.94 | 1.94 | 1.94 | 1.94 | 1.96 | 1.98 | 1.98 | 1.98 | 1.98 | 1.99 | 2.07 | 2.07 | 2.07 | 2.07 | 2.07 |
| | 104°F 40°C | TC | 16523 | 16674 | 17302 | 17406 | 18100 | 17564 | 17574 | 17605 | 17624 | 18122 | 18313 | 18321 | 18330 | 18331 | 18383 | 19739 | 19731 | 19740 | 19747 | 19768 |
| | | S/T | 0.85 | 0.98 | 1.00 | 1.00 | 1.00 | 0.68 | 0.80 | 0.90 | 0.92 | 1.00 | 0.56 | 0.68 | 0.78 | 0.80 | 0.91 | 0.39 | 0.48 | 0.58 | 0.59 | 0.70 |
| | | PI | 1.50 | 1.51 | 1.53 | 1.54 | 1.57 | 1.55 | 1.55 | 1.55 | 1.55 | 1.57 | 1.58 | 1.58 | 1.58 | 1.58 | 1.58 | 1.65 | 1.65 | 1.64 | 1.65 | 1.64 |
| | 110°F 43°C | TC | 14623 | 15184 | 15764 | 15866 | 16553 | 15568 | 15573 | 15747 | 15884 | 16571 | 16269 | 16282 | 16285 | 16298 | 16585 | 17609 | 17610 | 17637 | 17640 | 17650 |
| | | S/T | 0.92 | 1.00 | 1.00 | 1.00 | 1.00 | 0.72 | 0.87 | 0.99 | 1.00 | 1.00 | 0.60 | 0.73 | 0.85 | 0.86 | 1.00 | 0.40 | 0.51 | 0.61 | 0.63 | 0.76 |
| | | PI | 1.29 | 1.30 | 1.32 | 1.32 | 1.35 | 1.32 | 1.32 | 1.32 | 1.33 | 1.35 | 1.34 | 1.34 | 1.34 | 1.34 | 1.35 | 1.38 | 1.38 | 1.38 | 1.38 | 1.38 |
| | 115°F 46°C | TC | 13102 | 13733 | 14276 | 14382 | 15015 | 13933 | 13961 | 14292 | 14400 | 15031 | 14582 | 14591 | 14611 | 14625 | 15043 | 15812 | 15823 | 15845 | 15847 | 15852 |
| | | S/T | 0.96 | 1.00 | 1.00 | 1.00 | 1.00 | 0.75 | 0.89 | 1.00 | 1.00 | 1.00 | 0.61 | 0.75 | 0.87 | 0.90 | 1.00 | 0.40 | 0.52 | 0.63 | 0.65 | 0.78 |
| | | PI | 1.31 | 1.33 | 1.35 | 1.35 | 1.37 | 1.34 | 1.34 | 1.35 | 1.35 | 1.37 | 1.36 | 1.36 | 1.36 | 1.36 | 1.37 | 1.40 | 1.40 | 1.39 | 1.39 | 1.39 |
| | 122°F 50°C | TC | 11208 | 11826 | 12356 | 12448 | 13077 | 11566 | 11839 | 12370 | 12462 | 13089 | 12180 | 12176 | 12379 | 12472 | 13097 | 13299 | 13351 | 13354 | 13353 | 13371 |
| | | S/T | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.84 | 1.00 | 1.00 | 1.00 | 1.00 | 0.67 | 0.85 | 1.00 | 1.00 | 1.00 | 0.41 | 0.55 | 0.69 | 0.72 | 0.88 |
| | | PI | 1.36 | 1.37 | 1.38 | 1.38 | 1.39 | 1.36 | 1.37 | 1.38 | 1.38 | 1.39 | 1.38 | 1.38 | 1.38 | 1.38 | 1.39 | 1.41 | 1.40 | 1.40 | 1.40 | 1.40 |

## Table 18 – 18K Cooling — 37MURA + 45MULA (24B)

| Airflow CFM | Out-door DB °F | ID WB °F | 60.8°F (16.0°C) | | | | | 64.4°F (16.0°C) | | | | | 67.0°F (19.4°C) | | | | | 71.6°F (22.0°C) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ID DB °F | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C |
| 441 | -13°F 25°C | TC | 12511 | 12507 | 12504 | 12576 | 12946 | 13062 | 13055 | 13049 | 13048 | 13039 | 13452 | 13445 | 13436 | 13435 | 13425 | 14190 | 14187 | 14176 | 14173 | 14151 |
| | | S/T | 0.77 | 0.88 | 0.97 | 1.00 | 1.00 | 0.63 | 0.73 | 0.81 | 0.83 | 0.93 | 0.54 | 0.63 | 0.71 | 0.73 | 0.83 | 0.39 | 0.46 | 0.54 | 0.56 | 0.65 |
| | | PI | 0.68 | 0.68 | 0.68 | 0.68 | 0.68 | 0.68 | 0.68 | 0.68 | 0.68 | 0.68 | 0.68 | 0.68 | 0.68 | 0.68 | 0.68 | 0.68 | 0.68 | 0.68 | 0.68 | 0.68 |
| | -4°F 20°C | TC | 13474 | 13469 | 13465 | 13544 | 13942 | 14067 | 14059 | 14053 | 14052 | 14042 | 14487 | 14479 | 14470 | 14468 | 14458 | 15282 | 15278 | 15267 | 15263 | 15240 |
| | | S/T | 0.78 | 0.88 | 0.97 | 1.00 | 1.00 | 0.63 | 0.73 | 0.82 | 0.83 | 0.93 | 0.54 | 0.64 | 0.72 | 0.73 | 0.83 | 0.39 | 0.47 | 0.55 | 0.56 | 0.65 |
| | | PI | 0.71 | 0.71 | 0.71 | 0.71 | 0.71 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.71 | 0.71 | 0.71 | 0.71 | 0.71 |
| | 0°F 17.8°C | TC | 13918 | 13912 | 13966 | 14073 | 14462 | 14525 | 14514 | 14506 | 14505 | 14502 | 14951 | 14943 | 14929 | 14927 | 14914 | 15757 | 15753 | 15753 | 15755 | 15767 |
| | | S/T | 0.78 | 0.89 | 0.99 | 1.00 | 1.00 | 0.64 | 0.74 | 0.83 | 0.84 | 0.95 | 0.54 | 0.64 | 0.73 | 0.74 | 0.84 | 0.39 | 0.47 | 0.55 | 0.57 | 0.66 |
| | | PI | 0.71 | 0.71 | 0.71 | 0.71 | 0.71 | 0.71 | 0.71 | 0.71 | 0.71 | 0.71 | 0.71 | 0.71 | 0.71 | 0.71 | 0.71 | 0.72 | 0.72 | 0.72 | 0.72 | 0.72 |
| | 5°F 15°C | TC | 14328 | 14341 | 14534 | 14601 | 15047 | 15009 | 15012 | 15014 | 15014 | 15088 | 15500 | 15499 | 15503 | 15504 | 15506 | 16427 | 16422 | 16422 | 16423 | 16432 |
| | | S/T | 0.79 | 0.90 | 1.00 | 1.00 | 1.00 | 0.64 | 0.75 | 0.84 | 0.85 | 0.96 | 0.54 | 0.65 | 0.73 | 0.75 | 0.85 | 0.39 | 0.47 | 0.55 | 0.57 | 0.66 |
| | | PI | 0.72 | 0.72 | 0.72 | 0.72 | 0.72 | 0.72 | 0.72 | 0.72 | 0.72 | 0.72 | 0.73 | 0.73 | 0.73 | 0.73 | 0.73 | 0.74 | 0.74 | 0.74 | 0.74 | 0.74 |
| | 14°F 10°C | TC | 14579 | 14573 | 14634 | 14762 | 15220 | 15310 | 15302 | 15294 | 15293 | 15285 | 15840 | 15832 | 15820 | 15818 | 15804 | 16836 | 16830 | 16818 | 16814 | 16789 |
| | | S/T | 0.78 | 0.89 | 0.99 | 1.00 | 1.00 | 0.64 | 0.74 | 0.82 | 0.84 | 0.94 | 0.54 | 0.64 | 0.72 | 0.74 | 0.83 | 0.39 | 0.47 | 0.55 | 0.56 | 0.65 |
| | | PI | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 |
| | 17°F 10°C | TC | 14680 | 14684 | 14864 | 14950 | 15431 | 15417 | 15419 | 15422 | 15422 | 15495 | 15909 | 15915 | 15925 | 15926 | 15930 | 16967 | 16962 | 16964 | 16967 | 16983 |
| | | S/T | 0.79 | 0.89 | 1.00 | 1.00 | 1.00 | 0.64 | 0.74 | 0.83 | 0.85 | 0.95 | 0.55 | 0.65 | 0.73 | 0.75 | 0.85 | 0.39 | 0.47 | 0.55 | 0.57 | 0.66 |
| | | PI | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 |
| | 23°F 5°C | TC | 14974 | 14995 | 15239 | 15314 | 15814 | 15743 | 15747 | 15749 | 15749 | 15842 | 16298 | 16297 | 16302 | 16303 | 16305 | 17348 | 17343 | 17344 | 17346 | 17358 |
| | | S/T | 0.80 | 0.91 | 1.00 | 1.00 | 1.00 | 0.65 | 0.75 | 0.84 | 0.86 | 0.97 | 0.54 | 0.65 | 0.74 | 0.75 | 0.85 | 0.39 | 0.47 | 0.56 | 0.57 | 0.66 |
| | | PI | 0.61 | 0.61 | 0.61 | 0.61 | 0.62 | 0.61 | 0.62 | 0.62 | 0.62 | 0.62 | 0.62 | 0.62 | 0.62 | 0.62 | 0.62 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 |
| | 35°F 1.7°C | TC | 15771 | 15771 | 15802 | 15820 | 16226 | 16528 | 16525 | 16526 | 16526 | 16527 | 17059 | 17057 | 17056 | 17056 | 17058 | 18047 | 18042 | 18039 | 18041 | 18038 |
| | | S/T | 0.75 | 0.85 | 0.93 | 0.94 | 1.00 | 0.62 | 0.71 | 0.79 | 0.80 | 0.89 | 0.53 | 0.62 | 0.69 | 0.71 | 0.80 | 0.39 | 0.46 | 0.53 | 0.54 | 0.63 |
| | | PI | 0.60 | 0.60 | 0.60 | 0.60 | 0.62 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.66 | 0.66 | 0.66 | 0.66 | 0.66 | 0.72 | 0.72 | 0.72 | 0.72 | 0.72 |
| | 41°F 5°C | TC | 15107 | 15107 | 15149 | 15169 | 15600 | 15828 | 15826 | 15826 | 15827 | 15840 | 16334 | 16332 | 16331 | 16331 | 16333 | 17275 | 17270 | 17267 | 17269 | 17266 |
| | | S/T | 0.76 | 0.86 | 0.94 | 0.96 | 1.00 | 0.62 | 0.72 | 0.80 | 0.81 | 0.90 | 0.53 | 0.62 | 0.70 | 0.71 | 0.81 | 0.39 | 0.46 | 0.53 | 0.55 | 0.64 |
| | | PI | 0.65 | 0.65 | 0.65 | 0.65 | 0.68 | 0.69 | 0.69 | 0.69 | 0.69 | 0.69 | 0.72 | 0.72 | 0.72 | 0.72 | 0.72 | 0.79 | 0.79 | 0.79 | 0.79 | 0.79 |
| | 47°F 8.3°C | TC | 14440 | 14440 | 14496 | 14521 | 14968 | 15127 | 15125 | 15126 | 15126 | 15149 | 15609 | 15608 | 15606 | 15606 | 15607 | 16505 | 16501 | 16500 | 16499 | 16497 |
| | | S/T | 0.77 | 0.87 | 0.95 | 0.97 | 1.00 | 0.63 | 0.72 | 0.81 | 0.82 | 0.91 | 0.53 | 0.63 | 0.71 | 0.72 | 0.82 | 0.39 | 0.46 | 0.54 | 0.55 | 0.64 |
| | | PI | 0.70 | 0.70 | 0.70 | 0.71 | 0.73 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.78 | 0.78 | 0.78 | 0.78 | 0.78 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 |
| | 50°F 10°C | TC | 14070 | 14300 | 14777 | 14862 | 15431 | 14896 | 14905 | 14954 | 14973 | 15449 | 15483 | 15503 | 15512 | 15513 | 15583 | 16598 | 16606 | 16647 | 16651 | 16673 |
| | | S/T | 0.87 | 1.00 | 1.00 | 1.00 | 1.00 | 0.69 | 0.81 | 0.92 | 0.94 | 1.00 | 0.57 | 0.69 | 0.80 | 0.81 | 0.93 | 0.39 | 0.49 | 0.58 | 0.60 | 0.71 |
| | | PI | 0.79 | 0.79 | 0.79 | 0.79 | 0.79 | 0.79 | 0.79 | 0.79 | 0.79 | 0.79 | 0.79 | 0.79 | 0.79 | 0.79 | 0.79 | 0.79 | 0.79 | 0.79 | 0.79 | 0.79 |
| | 59°F 15°C | TC | 13760 | 14092 | 14587 | 14675 | 15266 | 14600 | 14606 | 14679 | 14707 | 15283 | 15206 | 15222 | 15229 | 15229 | 15330 | 16367 | 16372 | 16404 | 16408 | 16424 |
| | | S/T | 0.88 | 1.00 | 1.00 | 1.00 | 1.00 | 0.70 | 0.83 | 0.94 | 0.97 | 1.00 | 0.58 | 0.71 | 0.81 | 0.83 | 0.96 | 0.39 | 0.50 | 0.59 | 0.61 | 0.73 |
| | | PI | 0.82 | 0.82 | 0.83 | 0.83 | 0.83 | 0.83 | 0.83 | 0.83 | 0.83 | 0.83 | 0.83 | 0.83 | 0.83 | 0.83 | 0.83 | 0.83 | 0.83 | 0.83 | 0.83 | 0.83 |
| | 68°F 20°C | TC | 13465 | 13899 | 14410 | 14501 | 15111 | 14306 | 14311 | 14423 | 14517 | 15128 | 14929 | 14941 | 14945 | 14946 | 15116 | 16120 | 16125 | 16151 | 16154 | 16166 |
| | | S/T | 0.91 | 1.00 | 1.00 | 1.00 | 1.00 | 0.72 | 0.85 | 0.97 | 1.00 | 1.00 | 0.59 | 0.72 | 0.84 | 0.86 | 0.99 | 0.40 | 0.50 | 0.61 | 0.62 | 0.75 |
| | | PI | 0.85 | 0.86 | 0.86 | 0.86 | 0.87 | 0.86 | 0.86 | 0.86 | 0.86 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 |
| | 77°F 25°C | TC | 13145 | 13648 | 14177 | 14272 | 14902 | 13999 | 14006 | 14167 | 14288 | 14920 | 14638 | 14655 | 14662 | 14679 | 14933 | 15854 | 15869 | 15904 | 15908 | 15925 |
| | | S/T | 0.92 | 1.00 | 1.00 | 1.00 | 1.00 | 0.72 | 0.87 | 0.99 | 1.00 | 1.00 | 0.59 | 0.73 | 0.85 | 0.86 | 1.00 | 0.40 | 0.51 | 0.61 | 0.63 | 0.76 |
| | | PI | 0.89 | 0.89 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.91 | 0.91 | 0.91 | 0.91 | 0.91 |
| | 82°F 27.8°C | TC | 13196 | 13756 | 14304 | 14401 | 15056 | 14067 | 14090 | 14321 | 14419 | 15073 | 14725 | 14745 | 14752 | 14775 | 15087 | 15972 | 15993 | 16033 | 16037 | 16056 |
| | | S/T | 0.94 | 1.00 | 1.00 | 1.00 | 1.00 | 0.73 | 0.87 | 1.00 | 1.00 | 1.00 | 0.60 | 0.74 | 0.86 | 0.87 | 1.00 | 0.40 | 0.51 | 0.62 | 0.63 | 0.76 |
| | | PI | 0.97 | 0.98 | 0.98 | 0.98 | 0.99 | 0.98 | 0.98 | 0.98 | 0.98 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| | 86°F 30°C | TC | 13516 | 14142 | 14715 | 14817 | 15507 | 14408 | 14438 | 14733 | 14835 | 15520 | 15096 | 15113 | 15137 | 15151 | 15534 | 16393 | 16417 | 16455 | 16459 | 16477 |
| | | S/T | 0.95 | 1.00 | 1.00 | 1.00 | 1.00 | 0.74 | 0.88 | 1.00 | 1.00 | 1.00 | 0.60 | 0.75 | 0.86 | 0.88 | 1.00 | 0.40 | 0.51 | 0.62 | 0.64 | 0.77 |
| | | PI | 1.12 | 1.13 | 1.13 | 1.13 | 1.14 | 1.13 | 1.13 | 1.13 | 1.13 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.15 | 1.15 | 1.15 | 1.15 | 1.15 |
| | 95°F 35°C | TC | 14410 | 14435 | 14745 | 14832 | 15414 | 15331 | 15335 | 15340 | 15341 | 15445 | 15993 | 15995 | 16003 | 16005 | 16012 | 17265 | 17259 | 17261 | 17260 | 17273 |
| | | S/T | 0.80 | 0.91 | 1.00 | 1.00 | 1.00 | 0.65 | 0.75 | 0.84 | 0.86 | 0.96 | 0.54 | 0.65 | 0.73 | 0.75 | 0.85 | 0.39 | 0.47 | 0.55 | 0.56 | 0.66 |
| | | PI | 1.40 | 1.40 | 1.41 | 1.42 | 1.45 | 1.44 | 1.44 | 1.44 | 1.44 | 1.45 | 1.47 | 1.47 | 1.47 | 1.47 | 1.47 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 |
| | 104°F 40°C | TC | 12149 | 12192 | 12544 | 12618 | 13118 | 12926 | 12931 | 12934 | 12935 | 13105 | 13485 | 13487 | 13494 | 13496 | 13500 | 14557 | 14551 | 14554 | 14552 | 14566 |
| | | S/T | 0.82 | 0.94 | 1.00 | 1.00 | 1.00 | 0.66 | 0.77 | 0.86 | 0.88 | 1.00 | 0.55 | 0.66 | 0.75 | 0.77 | 0.87 | 0.39 | 0.47 | 0.56 | 0.58 | 0.67 |
| | | PI | 1.12 | 1.12 | 1.13 | 1.14 | 1.16 | 1.15 | 1.15 | 1.15 | 1.15 | 1.16 | 1.17 | 1.17 | 1.17 | 1.17 | 1.17 | 1.22 | 1.22 | 1.22 | 1.22 | 1.22 |
| | 110°F 43°C | TC | 10723 | 11013 | 11431 | 11505 | 11999 | 11455 | 11459 | 11509 | 11531 | 12012 | 11978 | 11985 | 11989 | 11989 | 12059 | 12984 | 12978 | 12991 | 12993 | 13003 |
| | | S/T | 0.89 | 1.00 | 1.00 | 1.00 | 1.00 | 0.70 | 0.83 | 0.94 | 0.96 | 1.00 | 0.58 | 0.70 | 0.81 | 0.83 | 0.96 | 0.39 | 0.49 | 0.59 | 0.61 | 0.73 |
| | | PI | 0.96 | 0.96 | 0.98 | 0.98 | 0.99 | 0.98 | 0.98 | 0.98 | 0.98 | 1.00 | 1.00 | 0.99 | 0.99 | 0.99 | 1.00 | 1.03 | 1.03 | 1.03 | 1.03 | 1.03 |
| | 115°F 46°C | TC | 9601 | 9962 | 10354 | 10423 | 10888 | 10255 | 10257 | 10347 | 10437 | 10900 | 10744 | 10754 | 10757 | 10757 | 10910 | 11660 | 11655 | 11673 | 11674 | 11680 |
| | | S/T | 0.92 | 1.00 | 1.00 | 1.00 | 1.00 | 0.72 | 0.86 | 0.98 | 1.00 | 1.00 | 0.59 | 0.73 | 0.84 | 0.86 | 1.00 | 0.40 | 0.50 | 0.61 | 0.63 | 0.75 |
| | | PI | 0.97 | 0.98 | 0.99 | 0.99 | 1.01 | 0.99 | 0.99 | 0.99 | 1.00 | 1.01 | 1.01 | 1.01 | 1.01 | 1.01 | 1.01 | 1.03 | 1.03 | 1.03 | 1.03 | 1.03 |
| | 122°F 50°C | TC | 8228 | 8679 | 9065 | 9134 | 9592 | 8609 | 8677 | 9075 | 9144 | 9602 | 9066 | 9066 | 9113 | 9140 | 9611 | 9922 | 9942 | 9947 | 9947 | 9941 |
| | | S/T | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.80 | 0.98 | 1.00 | 1.00 | 1.00 | 0.64 | 0.81 | 0.95 | 0.98 | 1.00 | 0.41 | 0.54 | 0.67 | 0.69 | 0.84 |
| | | PI | 1.01 | 1.02 | 1.02 | 1.03 | 1.03 | 1.02 | 1.02 | 1.03 | 1.03 | 1.04 | 1.03 | 1.03 | 1.03 | 1.03 | 1.04 | 1.05 | 1.05 | 1.04 | 1.04 | 1.04 |

## Table 18 – 18K Cooling — 37MURA + 45MULA (24B) (Continued)

| Airflow CFM | Out-door DB °F | ID WB °F | 60.8°F (16.0°C) | | | | | 64.4°F (16.0°C) | | | | | 67.0°F (19.4°C) | | | | | 71.6°F (22.0°C) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ID DB °F | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C |
| 617 | -13°F 25°C | TC | 17022 | 17015 | 17257 | 17329 | 17806 | 17760 | 17746 | 17734 | 17733 | 17718 | 18291 | 18268 | 18251 | 18248 | 18231 | 19294 | 19289 | 19249 | 19242 | 19201 |
| | | S/T | 0.80 | 0.91 | 1.00 | 1.00 | 1.00 | 0.65 | 0.75 | 0.85 | 0.86 | 0.97 | 0.55 | 0.65 | 0.74 | 0.76 | 0.86 | 0.39 | 0.47 | 0.56 | 0.57 | 0.67 |
| | | PI | 0.92 | 0.92 | 0.92 | 0.92 | 0.91 | 0.91 | 0.91 | 0.91 | 0.91 | 0.91 | 0.91 | 0.91 | 0.91 | 0.91 | 0.91 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 |
| | -4°F 20°C | TC | 18332 | 18323 | 18585 | 18662 | 19175 | 19126 | 19111 | 19099 | 19097 | 19081 | 19698 | 19674 | 19655 | 19652 | 19633 | 20778 | 20772 | 20730 | 20722 | 20678 |
| | | S/T | 0.80 | 0.92 | 1.00 | 1.00 | 1.00 | 0.65 | 0.76 | 0.85 | 0.87 | 0.98 | 0.55 | 0.65 | 0.74 | 0.76 | 0.86 | 0.39 | 0.48 | 0.56 | 0.57 | 0.67 |
| | | PI | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.94 | 0.94 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| | 0°F 17.8°C | TC | 18940 | 18929 | 19280 | 19361 | 19892 | 19752 | 19731 | 19715 | 19713 | 19911 | 20333 | 20304 | 20279 | 20276 | 20266 | 21427 | 21421 | 21420 | 21423 | 21436 |
| | | S/T | 0.81 | 0.93 | 1.00 | 1.00 | 1.00 | 0.66 | 0.77 | 0.86 | 0.88 | 1.00 | 0.55 | 0.66 | 0.75 | 0.77 | 0.87 | 0.39 | 0.48 | 0.57 | 0.58 | 0.68 |
| | | PI | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 |
| | 5°F 15°C | TC | 19483 | 19550 | 19997 | 20089 | 20708 | 20397 | 20402 | 20403 | 20424 | 20729 | 21049 | 21055 | 21059 | 21059 | 21087 | 22284 | 22277 | 22289 | 22291 | 22301 |
| | | S/T | 0.82 | 0.94 | 1.00 | 1.00 | 1.00 | 0.66 | 0.78 | 0.87 | 0.88 | 1.00 | 0.56 | 0.67 | 0.76 | 0.78 | 0.88 | 0.39 | 0.48 | 0.57 | 0.59 | 0.69 |
| | | PI | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| | 14°F 10°C | TC | 19839 | 19829 | 20234 | 20329 | 20959 | 20824 | 20806 | 20792 | 20789 | 20984 | 21538 | 21511 | 21489 | 21485 | 21464 | 22901 | 22894 | 22850 | 22842 | 22794 |
| | | S/T | 0.81 | 0.93 | 1.00 | 1.00 | 1.00 | 0.65 | 0.76 | 0.86 | 0.87 | 1.00 | 0.55 | 0.66 | 0.75 | 0.76 | 0.87 | 0.39 | 0.48 | 0.56 | 0.57 | 0.67 |
| | | PI | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 |
| | 17°F 10°C | TC | 19911 | 19976 | 20437 | 20537 | 21204 | 20902 | 20911 | 20914 | 20932 | 21227 | 21615 | 21623 | 21632 | 21633 | 21660 | 22988 | 22982 | 22979 | 22983 | 23002 |
| | | S/T | 0.82 | 0.93 | 1.00 | 1.00 | 1.00 | 0.66 | 0.77 | 0.87 | 0.88 | 1.00 | 0.55 | 0.66 | 0.76 | 0.77 | 0.87 | 0.39 | 0.48 | 0.57 | 0.58 | 0.68 |
| | | PI | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.81 | 0.81 | 0.81 | 0.81 | 0.81 |
| | 23°F 5°C | TC | 20362 | 20449 | 20978 | 21082 | 21777 | 21393 | 21399 | 21401 | 21430 | 21800 | 22131 | 22138 | 22144 | 22144 | 22180 | 23531 | 23524 | 23541 | 23544 | 23558 |
| | | S/T | 0.83 | 0.95 | 1.00 | 1.00 | 1.00 | 0.66 | 0.78 | 0.88 | 0.89 | 1.00 | 0.56 | 0.67 | 0.76 | 0.78 | 0.89 | 0.39 | 0.48 | 0.57 | 0.59 | 0.69 |
| | | PI | 0.82 | 0.82 | 0.82 | 0.82 | 0.83 | 0.83 | 0.83 | 0.83 | 0.83 | 0.83 | 0.83 | 0.83 | 0.83 | 0.83 | 0.83 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 |
| | 35°F 1.7°C | TC | 21461 | 21462 | 21588 | 21649 | 22347 | 22465 | 22464 | 22466 | 22466 | 22526 | 23168 | 23166 | 23167 | 23168 | 23170 | 24472 | 24467 | 24465 | 24464 | 24466 |
| | | S/T | 0.78 | 0.88 | 0.97 | 0.99 | 1.00 | 0.63 | 0.73 | 0.82 | 0.83 | 0.93 | 0.54 | 0.63 | 0.72 | 0.73 | 0.83 | 0.39 | 0.46 | 0.54 | 0.56 | 0.65 |
| | | PI | 0.80 | 0.80 | 0.81 | 0.81 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.86 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 |
| | 41°F 5°C | TC | 20556 | 20556 | 20720 | 20864 | 21481 | 21512 | 21512 | 21513 | 21513 | 21589 | 22183 | 22182 | 22183 | 22183 | 22185 | 23428 | 23422 | 23421 | 23420 | 23422 |
| | | S/T | 0.78 | 0.89 | 0.98 | 1.00 | 1.00 | 0.64 | 0.74 | 0.83 | 0.84 | 0.94 | 0.54 | 0.64 | 0.72 | 0.74 | 0.84 | 0.39 | 0.47 | 0.55 | 0.56 | 0.66 |
| | | PI | 0.87 | 0.87 | 0.88 | 0.89 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 1.06 | 1.06 | 1.06 | 1.06 | 1.06 |
| | 47°F 8.3°C | TC | 19650 | 19663 | 19926 | 20015 | 20608 | 20561 | 20560 | 20561 | 20560 | 20655 | 21199 | 21197 | 21199 | 21198 | 21198 | 22386 | 22380 | 22378 | 22378 | 22380 |
| | | S/T | 0.79 | 0.90 | 1.00 | 1.00 | 1.00 | 0.64 | 0.75 | 0.84 | 0.85 | 0.96 | 0.54 | 0.65 | 0.73 | 0.75 | 0.85 | 0.39 | 0.47 | 0.55 | 0.57 | 0.67 |
| | | PI | 0.94 | 0.94 | 0.96 | 0.97 | 1.01 | 1.00 | 1.00 | 1.00 | 1.00 | 1.01 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 |
| | 50°F 10°C | TC | 19161 | 19688 | 20353 | 20470 | 21264 | 20242 | 20254 | 20394 | 20458 | 21284 | 21032 | 21059 | 21070 | 21072 | 21274 | 22482 | 22541 | 22599 | 22606 | 22634 |
| | | S/T | 0.90 | 1.00 | 1.00 | 1.00 | 1.00 | 0.71 | 0.85 | 0.96 | 0.99 | 1.00 | 0.59 | 0.72 | 0.83 | 0.85 | 0.99 | 0.40 | 0.50 | 0.60 | 0.62 | 0.74 |
| | | PI | 1.07 | 1.07 | 1.07 | 1.07 | 1.07 | 1.07 | 1.07 | 1.07 | 1.07 | 1.07 | 1.07 | 1.07 | 1.07 | 1.07 | 1.07 | 1.07 | 1.07 | 1.06 | 1.06 | 1.06 |
| | 59°F 15°C | TC | 18751 | 19409 | 20097 | 20220 | 21043 | 19839 | 19866 | 20092 | 20241 | 21063 | 20658 | 20679 | 20686 | 20716 | 21081 | 22182 | 22227 | 22271 | 22276 | 22294 |
| | | S/T | 0.92 | 1.00 | 1.00 | 1.00 | 1.00 | 0.73 | 0.86 | 1.00 | 1.00 | 1.00 | 0.60 | 0.73 | 0.85 | 0.86 | 1.00 | 0.40 | 0.51 | 0.61 | 0.63 | 0.76 |
| | | PI | 1.11 | 1.11 | 1.11 | 1.11 | 1.12 | 1.11 | 1.11 | 1.11 | 1.11 | 1.12 | 1.12 | 1.12 | 1.11 | 1.12 | 1.12 | 1.12 | 1.12 | 1.12 | 1.12 | 1.12 |
| | 68°F 20°C | TC | 18335 | 19117 | 19826 | 19952 | 20799 | 19410 | 19454 | 19848 | 19974 | 20819 | 20249 | 20264 | 20301 | 20319 | 20837 | 21819 | 21859 | 21893 | 21897 | 21908 |
| | | S/T | 0.95 | 1.00 | 1.00 | 1.00 | 1.00 | 0.74 | 0.89 | 1.00 | 1.00 | 1.00 | 0.61 | 0.75 | 0.87 | 0.89 | 1.00 | 0.40 | 0.51 | 0.63 | 0.65 | 0.78 |
| | | PI | 1.15 | 1.15 | 1.16 | 1.16 | 1.17 | 1.16 | 1.16 | 1.16 | 1.16 | 1.17 | 1.16 | 1.16 | 1.16 | 1.16 | 1.17 | 1.18 | 1.18 | 1.18 | 1.18 | 1.18 |
| | 77°F 25°C | TC | 17907 | 18769 | 19503 | 19633 | 20510 | 18983 | 19043 | 19525 | 19655 | 20531 | 19843 | 19865 | 19916 | 19938 | 20548 | 21431 | 21496 | 21546 | 21551 | 21571 |
| | | S/T | 0.97 | 1.00 | 1.00 | 1.00 | 1.00 | 0.75 | 0.90 | 1.00 | 1.00 | 1.00 | 0.61 | 0.76 | 0.88 | 0.90 | 1.00 | 0.40 | 0.52 | 0.63 | 0.65 | 0.79 |
| | | PI | 1.20 | 1.20 | 1.21 | 1.21 | 1.22 | 1.21 | 1.21 | 1.21 | 1.21 | 1.22 | 1.21 | 1.21 | 1.21 | 1.21 | 1.22 | 1.23 | 1.23 | 1.22 | 1.22 | 1.22 |
| | 82°F 27.8°C | TC | 17991 | 18909 | 19672 | 19805 | 20712 | 19065 | 19138 | 19689 | 19827 | 20734 | 19951 | 19977 | 20039 | 20063 | 20752 | 21572 | 21653 | 21709 | 21715 | 21739 |
| | | S/T | 0.99 | 1.00 | 1.00 | 1.00 | 1.00 | 0.76 | 0.91 | 1.00 | 1.00 | 1.00 | 0.62 | 0.77 | 0.89 | 0.92 | 1.00 | 0.40 | 0.52 | 0.64 | 0.66 | 0.80 |
| | | PI | 1.31 | 1.32 | 1.33 | 1.33 | 1.33 | 1.32 | 1.32 | 1.32 | 1.33 | 1.33 | 1.33 | 1.33 | 1.33 | 1.33 | 1.33 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 |
| | 86°F 30°C | TC | 18526 | 19451 | 20246 | 20387 | 21337 | 19537 | 19627 | 20269 | 20411 | 21359 | 20463 | 20486 | 20562 | 20591 | 21377 | 22153 | 22239 | 22292 | 22297 | 22318 |
| | | S/T | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.77 | 0.93 | 1.00 | 1.00 | 1.00 | 0.62 | 0.78 | 0.91 | 0.93 | 1.00 | 0.40 | 0.52 | 0.64 | 0.66 | 0.81 |
| | | PI | 1.51 | 1.52 | 1.53 | 1.53 | 1.54 | 1.52 | 1.52 | 1.53 | 1.53 | 1.54 | 1.53 | 1.53 | 1.53 | 1.53 | 1.54 | 1.55 | 1.55 | 1.55 | 1.55 | 1.54 |
| | 95°F 35°C | TC | 19596 | 19702 | 20338 | 20459 | 21267 | 20826 | 20838 | 20845 | 20870 | 21294 | 21720 | 21724 | 21738 | 21740 | 21776 | 23404 | 23395 | 23400 | 23407 | 23438 |
| | | S/T | 0.83 | 0.95 | 1.00 | 1.00 | 1.00 | 0.66 | 0.78 | 0.88 | 0.89 | 1.00 | 0.56 | 0.67 | 0.76 | 0.78 | 0.88 | 0.39 | 0.48 | 0.57 | 0.58 | 0.68 |
| | | PI | 1.88 | 1.89 | 1.92 | 1.92 | 1.96 | 1.94 | 1.94 | 1.94 | 1.94 | 1.96 | 1.98 | 1.98 | 1.98 | 1.98 | 1.99 | 2.07 | 2.07 | 2.07 | 2.07 | 2.07 |
| | 104°F 40°C | TC | 16523 | 16674 | 17302 | 17406 | 18100 | 17564 | 17574 | 17605 | 17624 | 18122 | 18313 | 18321 | 18330 | 18331 | 18383 | 19739 | 19731 | 19740 | 19747 | 19768 |
| | | S/T | 0.85 | 0.98 | 1.00 | 1.00 | 1.00 | 0.68 | 0.80 | 0.90 | 0.92 | 1.00 | 0.56 | 0.68 | 0.78 | 0.80 | 0.91 | 0.39 | 0.48 | 0.58 | 0.59 | 0.70 |
| | | PI | 1.50 | 1.51 | 1.53 | 1.54 | 1.57 | 1.55 | 1.55 | 1.55 | 1.55 | 1.57 | 1.58 | 1.58 | 1.58 | 1.58 | 1.58 | 1.65 | 1.65 | 1.64 | 1.65 | 1.64 |
| | 110°F 43°C | TC | 14623 | 15184 | 15764 | 15866 | 16553 | 15568 | 15573 | 15747 | 15884 | 16571 | 16269 | 16282 | 16285 | 16298 | 16585 | 17609 | 17610 | 17637 | 17640 | 17650 |
| | | S/T | 0.92 | 1.00 | 1.00 | 1.00 | 1.00 | 0.72 | 0.87 | 0.99 | 1.00 | 1.00 | 0.60 | 0.73 | 0.85 | 0.86 | 1.00 | 0.40 | 0.51 | 0.61 | 0.63 | 0.76 |
| | | PI | 1.29 | 1.30 | 1.32 | 1.32 | 1.35 | 1.32 | 1.32 | 1.32 | 1.33 | 1.35 | 1.34 | 1.34 | 1.34 | 1.34 | 1.35 | 1.38 | 1.38 | 1.38 | 1.38 | 1.38 |
| | 115°F 46°C | TC | 13102 | 13733 | 14276 | 14382 | 15015 | 13933 | 13961 | 14292 | 14400 | 15031 | 14582 | 14591 | 14611 | 14625 | 15043 | 15812 | 15823 | 15845 | 15847 | 15852 |
| | | S/T | 0.96 | 1.00 | 1.00 | 1.00 | 1.00 | 0.75 | 0.89 | 1.00 | 1.00 | 1.00 | 0.61 | 0.75 | 0.87 | 0.90 | 1.00 | 0.40 | 0.52 | 0.63 | 0.65 | 0.78 |
| | | PI | 1.31 | 1.33 | 1.35 | 1.35 | 1.37 | 1.34 | 1.34 | 1.35 | 1.35 | 1.37 | 1.36 | 1.36 | 1.36 | 1.36 | 1.37 | 1.40 | 1.40 | 1.39 | 1.39 | 1.39 |
| | 122°F 50°C | TC | 11208 | 11826 | 12356 | 12448 | 13077 | 11566 | 11839 | 12370 | 12462 | 13089 | 12180 | 12176 | 12379 | 12472 | 13097 | 13299 | 13351 | 13354 | 13353 | 13371 |
| | | S/T | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.84 | 1.00 | 1.00 | 1.00 | 1.00 | 0.67 | 0.85 | 1.00 | 1.00 | 1.00 | 0.41 | 0.55 | 0.69 | 0.72 | 0.88 |
| | | PI | 1.36 | 1.37 | 1.38 | 1.38 | 1.39 | 1.36 | 1.37 | 1.38 | 1.38 | 1.39 | 1.38 | 1.38 | 1.38 | 1.38 | 1.39 | 1.41 | 1.40 | 1.40 | 1.40 | 1.40 |

## Table 19 – 24K Cooling — 37MURA + 45MULA (24A)

| Airflow CFM | Outdoor DB °F | ID WB °F | 60.8°F (16.0°C) | | | | | 64.4°F (16.0°C) | | | | | 67.0°F (19.4°C) | | | | | 71.6°F (22.0°C) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ID DB °F | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C |
| 529 | -13°F 25°C | TC | 16758 | 16753 | 16748 | 16845 | 17341 | 17496 | 17487 | 17479 | 17478 | 17465 | 18019 | 18009 | 17997 | 17995 | 17983 | 19007 | 19002 | 18988 | 18984 | 18955 |
| | | S/T | 0.77 | 0.88 | 0.97 | 1.00 | 1.00 | 0.63 | 0.73 | 0.81 | 0.83 | 0.93 | 0.54 | 0.63 | 0.71 | 0.73 | 0.83 | 0.39 | 0.46 | 0.54 | 0.56 | 0.65 |
| | | PI | 1.36 | 1.36 | 1.36 | 1.35 | 1.35 | 1.35 | 1.35 | 1.35 | 1.35 | 1.35 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.35 | 1.35 | 1.35 | 1.35 | 1.35 |
| | -4°F 20°C | TC | 18048 | 18041 | 18036 | 18141 | 18675 | 18842 | 18832 | 18823 | 18822 | 18809 | 19405 | 19395 | 19382 | 19379 | 19366 | 20469 | 20464 | 20449 | 20444 | 20413 |
| | | S/T | 0.78 | 0.88 | 0.97 | 1.00 | 1.00 | 0.63 | 0.73 | 0.82 | 0.83 | 0.93 | 0.54 | 0.64 | 0.72 | 0.73 | 0.83 | 0.39 | 0.47 | 0.55 | 0.56 | 0.65 |
| | | PI | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.39 | 1.39 | 1.40 | 1.40 | 1.40 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 |
| | 0°F 17.8°C | TC | 18643 | 18635 | 18707 | 18850 | 19372 | 19456 | 19441 | 19430 | 19428 | 19425 | 20027 | 20015 | 19997 | 19994 | 19976 | 21106 | 21100 | 21101 | 21103 | 21119 |
| | | S/T | 0.78 | 0.89 | 0.99 | 1.00 | 1.00 | 0.64 | 0.74 | 0.83 | 0.84 | 0.95 | 0.54 | 0.64 | 0.73 | 0.74 | 0.84 | 0.39 | 0.47 | 0.55 | 0.57 | 0.66 |
| | | PI | 1.42 | 1.42 | 1.42 | 1.41 | 1.41 | 1.41 | 1.41 | 1.41 | 1.41 | 1.41 | 1.41 | 1.41 | 1.41 | 1.41 | 1.41 | 1.43 | 1.43 | 1.43 | 1.43 | 1.43 |
| | 5°F 15°C | TC | 19192 | 19209 | 19468 | 19557 | 20155 | 20104 | 20108 | 20111 | 20111 | 20210 | 20762 | 20760 | 20766 | 20767 | 20769 | 22003 | 21996 | 21996 | 21998 | 22010 |
| | | S/T | 0.79 | 0.90 | 1.00 | 1.00 | 1.00 | 0.64 | 0.75 | 0.84 | 0.85 | 0.96 | 0.54 | 0.65 | 0.73 | 0.75 | 0.85 | 0.39 | 0.47 | 0.55 | 0.57 | 0.66 |
| | | PI | 1.43 | 1.43 | 1.43 | 1.43 | 1.43 | 1.43 | 1.43 | 1.43 | 1.43 | 1.43 | 1.44 | 1.44 | 1.44 | 1.44 | 1.44 | 1.47 | 1.47 | 1.47 | 1.47 | 1.47 |
| | 14°F 10°C | TC | 19321 | 19313 | 19393 | 19563 | 20170 | 20290 | 20279 | 20269 | 20267 | 20257 | 20992 | 20982 | 20966 | 20963 | 20945 | 22312 | 22305 | 22289 | 22284 | 22249 |
| | | S/T | 0.78 | 0.89 | 0.99 | 1.00 | 1.00 | 0.64 | 0.74 | 0.82 | 0.84 | 0.94 | 0.54 | 0.64 | 0.72 | 0.74 | 0.83 | 0.39 | 0.47 | 0.55 | 0.56 | 0.65 |
| | | PI | 1.38 | 1.38 | 1.38 | 1.38 | 1.38 | 1.38 | 1.38 | 1.38 | 1.38 | 1.38 | 1.37 | 1.37 | 1.37 | 1.37 | 1.37 | 1.38 | 1.38 | 1.38 | 1.38 | 1.38 |
| | 17°F 10°C | TC | 19388 | 19393 | 19630 | 19743 | 20379 | 20361 | 20363 | 20367 | 20368 | 20464 | 21010 | 21018 | 21032 | 21033 | 21038 | 22408 | 22401 | 22403 | 22408 | 22428 |
| | | S/T | 0.79 | 0.89 | 1.00 | 1.00 | 1.00 | 0.64 | 0.74 | 0.83 | 0.85 | 0.95 | 0.55 | 0.65 | 0.73 | 0.75 | 0.85 | 0.39 | 0.47 | 0.55 | 0.57 | 0.66 |
| | | PI | 1.35 | 1.35 | 1.35 | 1.35 | 1.35 | 1.35 | 1.35 | 1.35 | 1.35 | 1.35 | 1.35 | 1.35 | 1.35 | 1.35 | 1.35 | 1.36 | 1.36 | 1.36 | 1.36 | 1.36 |
| | 23°F 5°C | TC | 19273 | 19299 | 19613 | 19710 | 20354 | 20262 | 20267 | 20270 | 20270 | 20390 | 20976 | 20975 | 20982 | 20983 | 20986 | 22328 | 22322 | 22323 | 22325 | 22341 |
| | | S/T | 0.80 | 0.91 | 1.00 | 1.00 | 1.00 | 0.65 | 0.75 | 0.84 | 0.86 | 0.97 | 0.54 | 0.65 | 0.74 | 0.75 | 0.85 | 0.39 | 0.47 | 0.56 | 0.57 | 0.66 |
| | | PI | 1.42 | 1.42 | 1.42 | 1.43 | 1.43 | 1.43 | 1.43 | 1.43 | 1.43 | 1.43 | 1.44 | 1.44 | 1.44 | 1.44 | 1.44 | 1.46 | 1.46 | 1.46 | 1.46 | 1.47 |
| | 35°F 1.7°C | TC | 19309 | 19309 | 19347 | 19368 | 19866 | 20235 | 20233 | 20233 | 20234 | 20234 | 20886 | 20884 | 20882 | 20882 | 20884 | 22095 | 22090 | 22085 | 22088 | 22084 |
| | | S/T | 0.75 | 0.85 | 0.93 | 0.94 | 1.00 | 0.62 | 0.71 | 0.79 | 0.80 | 0.89 | 0.53 | 0.62 | 0.69 | 0.71 | 0.80 | 0.39 | 0.46 | 0.53 | 0.54 | 0.63 |
| | | PI | 1.46 | 1.46 | 1.47 | 1.47 | 1.51 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 | 1.62 | 1.62 | 1.62 | 1.62 | 1.62 | 1.76 | 1.76 | 1.76 | 1.76 | 1.76 |
| | 41°F 5°C | TC | 17810 | 17810 | 17859 | 17883 | 18391 | 18660 | 18658 | 18658 | 18659 | 18675 | 19257 | 19255 | 19253 | 19254 | 19256 | 20366 | 20361 | 20356 | 20359 | 20356 |
| | | S/T | 0.76 | 0.86 | 0.94 | 0.96 | 1.00 | 0.62 | 0.72 | 0.80 | 0.81 | 0.90 | 0.53 | 0.62 | 0.70 | 0.71 | 0.81 | 0.39 | 0.46 | 0.53 | 0.55 | 0.64 |
| | | PI | 1.18 | 1.18 | 1.18 | 1.18 | 1.22 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.31 | 1.31 | 1.30 | 1.30 | 1.31 | 1.42 | 1.42 | 1.42 | 1.42 | 1.42 |
| | 47°F 8.3°C | TC | 16308 | 16308 | 16371 | 16399 | 16904 | 17084 | 17081 | 17082 | 17082 | 17108 | 17628 | 17626 | 17625 | 17625 | 17626 | 18639 | 18635 | 18633 | 18633 | 18630 |
| | | S/T | 0.77 | 0.87 | 0.95 | 0.97 | 1.00 | 0.63 | 0.72 | 0.81 | 0.82 | 0.91 | 0.53 | 0.63 | 0.71 | 0.72 | 0.82 | 0.39 | 0.46 | 0.54 | 0.55 | 0.64 |
| | | PI | 0.89 | 0.89 | 0.90 | 0.90 | 0.94 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 1.08 | 1.08 | 1.08 | 1.08 | 1.08 |
| | 50°F 10°C | TC | 15944 | 16205 | 16746 | 16842 | 17487 | 16881 | 16891 | 16946 | 16968 | 17508 | 17546 | 17569 | 17579 | 17580 | 17659 | 18810 | 18819 | 18865 | 18870 | 18895 |
| | | S/T | 0.87 | 1.00 | 1.00 | 1.00 | 1.00 | 0.69 | 0.81 | 0.92 | 0.94 | 1.00 | 0.57 | 0.69 | 0.80 | 0.81 | 0.93 | 0.39 | 0.49 | 0.58 | 0.60 | 0.71 |
| | | PI | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| | 59°F 15°C | TC | 15760 | 16139 | 16707 | 16808 | 17484 | 16722 | 16729 | 16812 | 16844 | 17504 | 17416 | 17434 | 17442 | 17442 | 17558 | 18746 | 18751 | 18788 | 18792 | 18810 |
| | | S/T | 0.88 | 1.00 | 1.00 | 1.00 | 1.00 | 0.70 | 0.83 | 0.94 | 0.97 | 1.00 | 0.58 | 0.71 | 0.81 | 0.83 | 0.96 | 0.39 | 0.50 | 0.59 | 0.61 | 0.73 |
| | | PI | 1.02 | 1.02 | 1.02 | 1.02 | 1.03 | 1.02 | 1.02 | 1.02 | 1.02 | 1.03 | 1.03 | 1.03 | 1.03 | 1.03 | 1.03 | 1.03 | 1.03 | 1.03 | 1.03 | 1.03 |
| | 68°F 20°C | TC | 15590 | 16093 | 16685 | 16790 | 17496 | 16564 | 16570 | 16699 | 16808 | 17516 | 17285 | 17300 | 17304 | 17305 | 17502 | 18664 | 18671 | 18701 | 18704 | 18717 |
| | | S/T | 0.91 | 1.00 | 1.00 | 1.00 | 1.00 | 0.72 | 0.85 | 0.97 | 1.00 | 1.00 | 0.59 | 0.72 | 0.84 | 0.86 | 0.99 | 0.40 | 0.50 | 0.61 | 0.62 | 0.75 |
| | | PI | 1.03 | 1.04 | 1.04 | 1.04 | 1.05 | 1.04 | 1.04 | 1.04 | 1.04 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.06 | 1.06 | 1.06 | 1.06 | 1.06 |
| | 77°F 25°C | TC | 15391 | 15980 | 16600 | 16710 | 17449 | 16391 | 16399 | 16587 | 16730 | 17469 | 17140 | 17159 | 17167 | 17187 | 17485 | 18563 | 18580 | 18621 | 18626 | 18646 |
| | | S/T | 0.92 | 1.00 | 1.00 | 1.00 | 1.00 | 0.72 | 0.87 | 0.99 | 1.00 | 1.00 | 0.59 | 0.73 | 0.85 | 0.86 | 1.00 | 0.40 | 0.51 | 0.61 | 0.63 | 0.76 |
| | | PI | 1.06 | 1.06 | 1.07 | 1.07 | 1.08 | 1.07 | 1.07 | 1.07 | 1.07 | 1.08 | 1.07 | 1.07 | 1.07 | 1.07 | 1.08 | 1.09 | 1.09 | 1.08 | 1.08 | 1.08 |
| | 82°F 27.8°C | TC | 15803 | 16473 | 17129 | 17246 | 18030 | 16846 | 16873 | 17150 | 17267 | 18050 | 17634 | 17657 | 17666 | 17694 | 18067 | 19127 | 19151 | 19199 | 19205 | 19227 |
| | | S/T | 0.94 | 1.00 | 1.00 | 1.00 | 1.00 | 0.73 | 0.87 | 1.00 | 1.00 | 1.00 | 0.60 | 0.74 | 0.86 | 0.87 | 1.00 | 0.40 | 0.51 | 0.62 | 0.63 | 0.76 |
| | | PI | 1.22 | 1.22 | 1.23 | 1.23 | 1.24 | 1.23 | 1.23 | 1.23 | 1.23 | 1.24 | 1.23 | 1.23 | 1.23 | 1.23 | 1.24 | 1.25 | 1.25 | 1.25 | 1.25 | 1.24 |
| | 86°F 30°C | TC | 16778 | 17555 | 18267 | 18393 | 19251 | 17886 | 17923 | 18289 | 18415 | 19266 | 18739 | 18761 | 18791 | 18808 | 19284 | 20350 | 20379 | 20427 | 20432 | 20453 |
| | | S/T | 0.95 | 1.00 | 1.00 | 1.00 | 1.00 | 0.74 | 0.88 | 1.00 | 1.00 | 1.00 | 0.60 | 0.75 | 0.86 | 0.88 | 1.00 | 0.40 | 0.51 | 0.62 | 0.64 | 0.77 |
| | | PI | 1.52 | 1.53 | 1.54 | 1.54 | 1.55 | 1.54 | 1.54 | 1.54 | 1.54 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 | 1.57 | 1.56 | 1.56 | 1.56 | 1.56 |
| | 95°F 35°C | TC | 19199 | 19233 | 19646 | 19761 | 20536 | 20427 | 20432 | 20439 | 20440 | 20578 | 21309 | 21311 | 21322 | 21323 | 21333 | 23003 | 22995 | 22997 | 22996 | 23013 |
| | | S/T | 0.80 | 0.91 | 1.00 | 1.00 | 1.00 | 0.65 | 0.75 | 0.84 | 0.86 | 0.96 | 0.54 | 0.65 | 0.73 | 0.75 | 0.85 | 0.39 | 0.47 | 0.55 | 0.56 | 0.66 |
| | | PI | 2.13 | 2.14 | 2.16 | 2.16 | 2.21 | 2.20 | 2.20 | 2.20 | 2.20 | 2.21 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.34 | 2.34 | 2.34 | 2.34 | 2.34 |
| | 104°F 40°C | TC | 17169 | 17230 | 17727 | 17831 | 18538 | 18267 | 18274 | 18278 | 18279 | 18520 | 19057 | 19060 | 19070 | 19072 | 19078 | 20571 | 20564 | 20568 | 20564 | 20584 |
| | | S/T | 0.82 | 0.94 | 1.00 | 1.00 | 1.00 | 0.66 | 0.77 | 0.86 | 0.88 | 1.00 | 0.55 | 0.66 | 0.75 | 0.77 | 0.87 | 0.39 | 0.47 | 0.56 | 0.58 | 0.67 |
| | | PI | 2.11 | 2.11 | 2.14 | 2.15 | 2.19 | 2.17 | 2.17 | 2.17 | 2.17 | 2.19 | 2.22 | 2.22 | 2.22 | 2.22 | 2.22 | 2.31 | 2.31 | 2.31 | 2.31 | 2.31 |
| | 110°F 43°C | TC | 15848 | 16276 | 16894 | 17003 | 17734 | 16930 | 16936 | 17009 | 17042 | 17753 | 17703 | 17713 | 17719 | 17720 | 17823 | 19189 | 19181 | 19200 | 19203 | 19218 |
| | | S/T | 0.89 | 1.00 | 1.00 | 1.00 | 1.00 | 0.70 | 0.83 | 0.94 | 0.96 | 1.00 | 0.58 | 0.70 | 0.81 | 0.83 | 0.96 | 0.39 | 0.49 | 0.59 | 0.61 | 0.73 |
| | | PI | 2.11 | 2.13 | 2.16 | 2.17 | 2.20 | 2.16 | 2.16 | 2.17 | 2.17 | 2.20 | 2.20 | 2.20 | 2.20 | 2.20 | 2.20 | 2.27 | 2.27 | 2.27 | 2.27 | 2.27 |
| | 115°F 46°C | TC | 12871 | 13356 | 13881 | 13974 | 14597 | 13748 | 13751 | 13871 | 13992 | 14613 | 14404 | 14417 | 14421 | 14421 | 14627 | 15632 | 15625 | 15649 | 15651 | 15659 |
| | | S/T | 0.92 | 1.00 | 1.00 | 1.00 | 1.00 | 0.72 | 0.86 | 0.98 | 1.00 | 1.00 | 0.59 | 0.73 | 0.84 | 0.86 | 1.00 | 0.40 | 0.50 | 0.61 | 0.63 | 0.75 |
| | | PI | 1.79 | 1.81 | 1.83 | 1.84 | 1.86 | 1.83 | 1.83 | 1.83 | 1.84 | 1.86 | 1.86 | 1.86 | 1.86 | 1.86 | 1.86 | 1.91 | 1.91 | 1.91 | 1.91 | 1.91 |
| | 122°F 50°C | TC | 9049 | 9545 | 9969 | 10045 | 10549 | 9468 | 9542 | 9981 | 10056 | 10560 | 9971 | 9970 | 10022 | 10052 | 10569 | 10912 | 10934 | 10939 | 10939 | 10933 |
| | | S/T | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.80 | 0.98 | 1.00 | 1.00 | 1.00 | 0.64 | 0.81 | 0.95 | 0.98 | 1.00 | 0.41 | 0.54 | 0.67 | 0.69 | 0.84 |
| | | PI | 1.38 | 1.39 | 1.40 | 1.40 | 1.42 | 1.39 | 1.39 | 1.40 | 1.40 | 1.42 | 1.40 | 1.40 | 1.40 | 1.40 | 1.42 | 1.43 | 1.43 | 1.43 | 1.43 | 1.43 |

## Table 19 – 24K Cooling — 37MURA + 45MULA (24A) (Continued)

| Airflow CFM | Out-door DB °F | ID WB °F | 60.8°F (16.0°C) | | | | | 64.4°F (16.0°C) | | | | | 67.0°F (19.4°C) | | | | | 71.6°F (22.0°C) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ID DB °F | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C |
| 706 | -13°F 25°C | TC | 21750 | 21740 | 22050 | 22141 | 22750 | 22692 | 22674 | 22659 | 22657 | 22639 | 23371 | 23342 | 23319 | 23316 | 23294 | 24652 | 24645 | 24594 | 24585 | 24533 |
| | | S/T | 0.80 | 0.91 | 1.00 | 1.00 | 1.00 | 0.65 | 0.75 | 0.85 | 0.86 | 0.97 | 0.55 | 0.65 | 0.74 | 0.76 | 0.86 | 0.39 | 0.47 | 0.56 | 0.57 | 0.67 |
| | | PI | 1.74 | 1.74 | 1.73 | 1.73 | 1.73 | 1.73 | 1.73 | 1.73 | 1.73 | 1.73 | 1.72 | 1.72 | 1.72 | 1.72 | 1.73 | 1.73 | 1.73 | 1.73 | 1.73 | 1.74 |
| | -4°F 20°C | TC | 23423 | 23412 | 23746 | 23844 | 24500 | 24438 | 24418 | 24402 | 24400 | 24380 | 25169 | 25137 | 25113 | 25110 | 25086 | 26548 | 26541 | 26486 | 26476 | 26420 |
| | | S/T | 0.80 | 0.92 | 1.00 | 1.00 | 1.00 | 0.65 | 0.76 | 0.85 | 0.87 | 0.98 | 0.55 | 0.65 | 0.74 | 0.76 | 0.86 | 0.39 | 0.48 | 0.56 | 0.57 | 0.67 |
| | | PI | 1.80 | 1.80 | 1.79 | 1.79 | 1.79 | 1.79 | 1.79 | 1.79 | 1.79 | 1.79 | 1.78 | 1.79 | 1.79 | 1.79 | 1.79 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 |
| | 0°F 17.8°C | TC | 24200 | 24186 | 24634 | 24737 | 25417 | 25238 | 25210 | 25190 | 25187 | 25441 | 25980 | 25943 | 25910 | 25907 | 25894 | 27377 | 27370 | 27368 | 27372 | 27390 |
| | | S/T | 0.81 | 0.93 | 1.00 | 1.00 | 1.00 | 0.66 | 0.77 | 0.86 | 0.88 | 1.00 | 0.55 | 0.66 | 0.75 | 0.77 | 0.87 | 0.39 | 0.48 | 0.57 | 0.58 | 0.68 |
| | | PI | 1.81 | 1.81 | 1.81 | 1.81 | 1.81 | 1.81 | 1.81 | 1.81 | 1.81 | 1.81 | 1.81 | 1.81 | 1.81 | 1.81 | 1.81 | 1.83 | 1.83 | 1.83 | 1.83 | 1.83 |
| | 5°F 15°C | TC | 24894 | 24979 | 25550 | 25668 | 26459 | 26061 | 26068 | 26070 | 26096 | 26485 | 26895 | 26901 | 26907 | 26908 | 26944 | 28472 | 28463 | 28478 | 28481 | 28494 |
| | | S/T | 0.82 | 0.94 | 1.00 | 1.00 | 1.00 | 0.66 | 0.78 | 0.87 | 0.88 | 1.00 | 0.56 | 0.67 | 0.76 | 0.78 | 0.88 | 0.39 | 0.48 | 0.57 | 0.59 | 0.69 |
| | | PI | 1.83 | 1.83 | 1.83 | 1.83 | 1.84 | 1.83 | 1.84 | 1.84 | 1.84 | 1.84 | 1.85 | 1.85 | 1.85 | 1.85 | 1.85 | 1.89 | 1.89 | 1.89 | 1.89 | 1.89 |
| | 14°F 10°C | TC | 25080 | 25068 | 25579 | 25699 | 26496 | 26325 | 26302 | 26284 | 26281 | 26527 | 27227 | 27193 | 27165 | 27161 | 27134 | 28951 | 28942 | 28887 | 28877 | 28815 |
| | | S/T | 0.81 | 0.93 | 1.00 | 1.00 | 1.00 | 0.65 | 0.76 | 0.86 | 0.87 | 1.00 | 0.55 | 0.66 | 0.75 | 0.76 | 0.87 | 0.39 | 0.48 | 0.56 | 0.57 | 0.67 |
| | | PI | 1.77 | 1.77 | 1.77 | 1.77 | 1.76 | 1.76 | 1.76 | 1.76 | 1.76 | 1.76 | 1.76 | 1.76 | 1.76 | 1.76 | 1.76 | 1.77 | 1.77 | 1.77 | 1.77 | 1.77 |
| | 17°F 10°C | TC | 25083 | 25165 | 25747 | 25872 | 26713 | 26332 | 26343 | 26348 | 26370 | 26741 | 27231 | 27241 | 27252 | 27253 | 27287 | 28960 | 28952 | 28948 | 28953 | 28978 |
| | | S/T | 0.82 | 0.93 | 1.00 | 1.00 | 1.00 | 0.66 | 0.77 | 0.87 | 0.88 | 1.00 | 0.55 | 0.66 | 0.76 | 0.77 | 0.87 | 0.39 | 0.48 | 0.57 | 0.58 | 0.68 |
| | | PI | 1.73 | 1.73 | 1.73 | 1.73 | 1.73 | 1.73 | 1.73 | 1.73 | 1.73 | 1.73 | 1.73 | 1.73 | 1.73 | 1.73 | 1.73 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 |
| | 23°F 5°C | TC | 24999 | 25106 | 25756 | 25883 | 26736 | 26265 | 26272 | 26275 | 26310 | 26765 | 27170 | 27180 | 27187 | 27188 | 27231 | 28890 | 28881 | 28902 | 28906 | 28923 |
| | | S/T | 0.83 | 0.95 | 1.00 | 1.00 | 1.00 | 0.66 | 0.78 | 0.88 | 0.89 | 1.00 | 0.56 | 0.67 | 0.76 | 0.78 | 0.89 | 0.39 | 0.48 | 0.57 | 0.59 | 0.69 |
| | | PI | 1.82 | 1.82 | 1.83 | 1.83 | 1.84 | 1.83 | 1.83 | 1.83 | 1.84 | 1.84 | 1.85 | 1.85 | 1.85 | 1.85 | 1.85 | 1.88 | 1.88 | 1.88 | 1.88 | 1.88 |
| | 35°F 1.7°C | TC | 25065 | 25066 | 25213 | 25283 | 26099 | 26236 | 26235 | 26238 | 26238 | 26308 | 27058 | 27056 | 27057 | 27058 | 27061 | 28581 | 28574 | 28573 | 28572 | 28574 |
| | | S/T | 0.78 | 0.88 | 0.97 | 0.99 | 1.00 | 0.63 | 0.73 | 0.82 | 0.83 | 0.93 | 0.54 | 0.63 | 0.72 | 0.73 | 0.83 | 0.39 | 0.46 | 0.54 | 0.56 | 0.65 |
| | | PI | 1.87 | 1.87 | 1.89 | 1.89 | 1.97 | 1.99 | 1.99 | 1.99 | 1.99 | 1.99 | 2.07 | 2.07 | 2.07 | 2.07 | 2.07 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 |
| | 41°F 5°C | TC | 23117 | 23118 | 23302 | 23464 | 24157 | 24192 | 24192 | 24193 | 24193 | 24278 | 24947 | 24945 | 24947 | 24947 | 24949 | 26347 | 26340 | 26339 | 26337 | 26340 |
| | | S/T | 0.78 | 0.89 | 0.98 | 1.00 | 1.00 | 0.64 | 0.74 | 0.83 | 0.84 | 0.94 | 0.54 | 0.64 | 0.72 | 0.74 | 0.84 | 0.39 | 0.47 | 0.55 | 0.56 | 0.66 |
| | | PI | 1.51 | 1.51 | 1.52 | 1.54 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.61 | 1.67 | 1.67 | 1.67 | 1.67 | 1.67 | 1.82 | 1.82 | 1.82 | 1.82 | 1.82 |
| | 47°F 8.3°C | TC | 21168 | 21182 | 21466 | 21562 | 22200 | 22149 | 22148 | 22149 | 22149 | 22251 | 22837 | 22835 | 22837 | 22836 | 22836 | 24115 | 24109 | 24107 | 24106 | 24109 |
| | | S/T | 0.79 | 0.90 | 1.00 | 1.00 | 1.00 | 0.64 | 0.75 | 0.84 | 0.85 | 0.96 | 0.54 | 0.65 | 0.73 | 0.75 | 0.85 | 0.39 | 0.47 | 0.55 | 0.57 | 0.67 |
| | | PI | 1.14 | 1.14 | 1.17 | 1.17 | 1.22 | 1.22 | 1.22 | 1.22 | 1.22 | 1.23 | 1.28 | 1.27 | 1.27 | 1.28 | 1.28 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 |
| | 50°F 10°C | TC | 20713 | 21283 | 22001 | 22129 | 22987 | 21882 | 21894 | 22045 | 22115 | 23008 | 22736 | 22765 | 22777 | 22779 | 22998 | 24303 | 24367 | 24430 | 24437 | 24468 |
| | | S/T | 0.90 | 1.00 | 1.00 | 1.00 | 1.00 | 0.71 | 0.85 | 0.96 | 0.99 | 1.00 | 0.59 | 0.72 | 0.83 | 0.85 | 0.99 | 0.40 | 0.50 | 0.60 | 0.62 | 0.74 |
| | | PI | 1.29 | 1.29 | 1.29 | 1.29 | 1.29 | 1.29 | 1.29 | 1.29 | 1.29 | 1.29 | 1.29 | 1.29 | 1.29 | 1.29 | 1.29 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| | 59°F 15°C | TC | 20486 | 21204 | 21957 | 22090 | 22989 | 21675 | 21704 | 21951 | 22114 | 23012 | 22569 | 22592 | 22599 | 22632 | 23031 | 24234 | 24283 | 24331 | 24337 | 24357 |
| | | S/T | 0.92 | 1.00 | 1.00 | 1.00 | 1.00 | 0.73 | 0.86 | 1.00 | 1.00 | 1.00 | 0.60 | 0.73 | 0.85 | 0.86 | 1.00 | 0.40 | 0.51 | 0.61 | 0.63 | 0.76 |
| | | PI | 1.31 | 1.31 | 1.31 | 1.31 | 1.32 | 1.31 | 1.31 | 1.31 | 1.31 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 | 1.33 | 1.32 | 1.32 | 1.32 | 1.32 |
| | 68°F 20°C | TC | 20250 | 21114 | 21897 | 22037 | 22972 | 21438 | 21486 | 21921 | 22060 | 22995 | 22365 | 22382 | 22422 | 22441 | 23013 | 24098 | 24143 | 24181 | 24184 | 24197 |
| | | S/T | 0.95 | 1.00 | 1.00 | 1.00 | 1.00 | 0.74 | 0.89 | 1.00 | 1.00 | 1.00 | 0.61 | 0.75 | 0.87 | 0.89 | 1.00 | 0.40 | 0.51 | 0.63 | 0.65 | 0.78 |
| | | PI | 1.33 | 1.33 | 1.34 | 1.34 | 1.35 | 1.34 | 1.34 | 1.34 | 1.34 | 1.35 | 1.35 | 1.35 | 1.35 | 1.35 | 1.35 | 1.37 | 1.37 | 1.36 | 1.36 | 1.36 |
| | 77°F 25°C | TC | 20000 | 20963 | 21783 | 21928 | 22908 | 21202 | 21269 | 21807 | 21952 | 22931 | 22162 | 22187 | 22244 | 22269 | 22950 | 23936 | 24009 | 24064 | 24070 | 24093 |
| | | S/T | 0.97 | 1.00 | 1.00 | 1.00 | 1.00 | 0.75 | 0.90 | 1.00 | 1.00 | 1.00 | 0.61 | 0.76 | 0.88 | 0.90 | 1.00 | 0.40 | 0.52 | 0.63 | 0.65 | 0.79 |
| | | PI | 1.36 | 1.37 | 1.37 | 1.38 | 1.38 | 1.37 | 1.37 | 1.37 | 1.38 | 1.38 | 1.38 | 1.38 | 1.38 | 1.38 | 1.38 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 |
| | 82°F 27.8°C | TC | 20551 | 21600 | 22471 | 22624 | 23660 | 21778 | 21862 | 22491 | 22649 | 23684 | 22791 | 22819 | 22890 | 22919 | 23705 | 24641 | 24734 | 24799 | 24805 | 24832 |
| | | S/T | 0.99 | 1.00 | 1.00 | 1.00 | 1.00 | 0.76 | 0.91 | 1.00 | 1.00 | 1.00 | 0.62 | 0.77 | 0.89 | 0.92 | 1.00 | 0.40 | 0.52 | 0.64 | 0.66 | 0.80 |
| | | PI | 1.56 | 1.57 | 1.58 | 1.58 | 1.59 | 1.57 | 1.57 | 1.58 | 1.58 | 1.59 | 1.58 | 1.58 | 1.58 | 1.58 | 1.59 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 |
| | 86°F 30°C | TC | 21937 | 23032 | 23974 | 24142 | 25266 | 23135 | 23241 | 24001 | 24169 | 25292 | 24231 | 24259 | 24348 | 24383 | 25314 | 26233 | 26334 | 26397 | 26403 | 26428 |
| | | S/T | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.77 | 0.93 | 1.00 | 1.00 | 1.00 | 0.62 | 0.78 | 0.91 | 0.93 | 1.00 | 0.40 | 0.52 | 0.64 | 0.66 | 0.81 |
| | | PI | 1.96 | 1.97 | 1.98 | 1.98 | 1.99 | 1.97 | 1.97 | 1.98 | 1.98 | 1.99 | 1.98 | 1.98 | 1.98 | 1.98 | 1.99 | 2.01 | 2.01 | 2.01 | 2.00 | 2.00 |
| | 95°F 35°C | TC | 24905 | 25039 | 25848 | 26001 | 27029 | 26468 | 26484 | 26492 | 26523 | 27063 | 27604 | 27610 | 27627 | 27629 | 27675 | 29745 | 29733 | 29740 | 29748 | 29788 |
| | | S/T | 0.83 | 0.95 | 1.00 | 1.00 | 1.00 | 0.66 | 0.78 | 0.88 | 0.89 | 1.00 | 0.56 | 0.67 | 0.76 | 0.78 | 0.88 | 0.39 | 0.48 | 0.57 | 0.58 | 0.68 |
| | | PI | 2.74 | 2.74 | 2.79 | 2.80 | 2.85 | 2.82 | 2.82 | 2.82 | 2.82 | 2.85 | 2.89 | 2.89 | 2.89 | 2.89 | 2.89 | 3.00 | 3.00 | 3.00 | 3.00 | 3.01 |
| | 104°F 40°C | TC | 22273 | 22477 | 23323 | 23464 | 24399 | 23677 | 23690 | 23732 | 23757 | 24430 | 24687 | 24697 | 24710 | 24711 | 24781 | 26609 | 26598 | 26611 | 26620 | 26648 |
| | | S/T | 0.85 | 0.98 | 1.00 | 1.00 | 1.00 | 0.68 | 0.80 | 0.90 | 0.92 | 1.00 | 0.56 | 0.68 | 0.78 | 0.80 | 0.91 | 0.39 | 0.48 | 0.58 | 0.59 | 0.70 |
| | | PI | 2.70 | 2.72 | 2.76 | 2.77 | 2.83 | 2.79 | 2.79 | 2.79 | 2.79 | 2.83 | 2.85 | 2.85 | 2.85 | 2.85 | 2.85 | 2.96 | 2.96 | 2.96 | 2.96 | 2.96 |
| | 110°F 43°C | TC | 20615 | 21407 | 22224 | 22368 | 23337 | 21948 | 21954 | 22200 | 22394 | 23361 | 22936 | 22954 | 22959 | 22977 | 23381 | 24825 | 24827 | 24865 | 24869 | 24883 |
| | | S/T | 0.92 | 1.00 | 1.00 | 1.00 | 1.00 | 0.72 | 0.87 | 0.99 | 1.00 | 1.00 | 0.60 | 0.73 | 0.85 | 0.86 | 1.00 | 0.40 | 0.51 | 0.61 | 0.63 | 0.76 |
| | | PI | 2.72 | 2.75 | 2.79 | 2.80 | 2.84 | 2.78 | 2.78 | 2.79 | 2.80 | 2.84 | 2.83 | 2.82 | 2.82 | 2.82 | 2.84 | 2.92 | 2.92 | 2.92 | 2.92 | 2.91 |
| | 115°F 46°C | TC | 16755 | 17562 | 18256 | 18392 | 19202 | 17818 | 17853 | 18277 | 18415 | 19221 | 18648 | 18660 | 18685 | 18703 | 19238 | 20220 | 20235 | 20263 | 20266 | 20272 |
| | | S/T | 0.96 | 1.00 | 1.00 | 1.00 | 1.00 | 0.75 | 0.89 | 1.00 | 1.00 | 1.00 | 0.61 | 0.75 | 0.87 | 0.90 | 1.00 | 0.40 | 0.52 | 0.63 | 0.65 | 0.78 |
| | | PI | 2.31 | 2.34 | 2.37 | 2.38 | 2.41 | 2.35 | 2.35 | 2.37 | 2.38 | 2.41 | 2.39 | 2.39 | 2.39 | 2.39 | 2.41 | 2.46 | 2.46 | 2.45 | 2.45 | 2.45 |
| | 122°F 50°C | TC | 11758 | 12407 | 12962 | 13059 | 13719 | 12133 | 12420 | 12977 | 13074 | 13732 | 12777 | 12774 | 12986 | 13084 | 13740 | 13952 | 14006 | 14009 | 14008 | 14027 |
| | | S/T | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.84 | 1.00 | 1.00 | 1.00 | 1.00 | 0.67 | 0.85 | 1.00 | 1.00 | 1.00 | 0.41 | 0.55 | 0.69 | 0.72 | 0.88 |
| | | PI | 1.77 | 1.79 | 1.80 | 1.80 | 1.82 | 1.78 | 1.79 | 1.80 | 1.80 | 1.82 | 1.80 | 1.80 | 1.80 | 1.80 | 1.82 | 1.84 | 1.83 | 1.83 | 1.83 | 1.83 |

## Table 20 – 24K Cooling — 37MURA + 45MULA (24B)

| Airflow CFM | Out-door DB °F | ID WB °F | 60.8°F (16.0°C) | | | | | 64.4°F (16.0°C) | | | | | 67.0°F (19.4°C) | | | | | 71.6°F (22.0°C) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ID DB °F | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C |
| 529 | -13°F 25°C | TC | 16758 | 16753 | 16748 | 16845 | 17341 | 17496 | 17487 | 17479 | 17478 | 17465 | 18019 | 18009 | 17997 | 17995 | 17983 | 19007 | 19002 | 18988 | 18984 | 18955 |
| | | S/T | 0.77 | 0.88 | 0.97 | 1.00 | 1.00 | 0.63 | 0.73 | 0.81 | 0.83 | 0.93 | 0.54 | 0.63 | 0.71 | 0.73 | 0.83 | 0.39 | 0.46 | 0.54 | 0.56 | 0.65 |
| | | PI | 1.36 | 1.36 | 1.36 | 1.35 | 1.35 | 1.35 | 1.35 | 1.35 | 1.35 | 1.35 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.35 | 1.35 | 1.35 | 1.35 | 1.35 |
| | -4°F 20°C | TC | 18048 | 18041 | 18036 | 18141 | 18675 | 18842 | 18832 | 18823 | 18822 | 18809 | 19405 | 19395 | 19382 | 19379 | 19366 | 20469 | 20464 | 20449 | 20444 | 20413 |
| | | S/T | 0.78 | 0.88 | 0.97 | 1.00 | 1.00 | 0.63 | 0.73 | 0.82 | 0.83 | 0.93 | 0.54 | 0.64 | 0.72 | 0.73 | 0.83 | 0.39 | 0.47 | 0.55 | 0.56 | 0.65 |
| | | PI | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.39 | 1.39 | 1.40 | 1.40 | 1.40 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 |
| | 0°F 17.8°C | TC | 18643 | 18635 | 18707 | 18850 | 19372 | 19456 | 19441 | 19430 | 19428 | 19425 | 20027 | 20015 | 19997 | 19994 | 19976 | 21106 | 21100 | 21101 | 21103 | 21119 |
| | | S/T | 0.78 | 0.89 | 0.99 | 1.00 | 1.00 | 0.64 | 0.74 | 0.83 | 0.84 | 0.95 | 0.54 | 0.64 | 0.73 | 0.74 | 0.84 | 0.39 | 0.47 | 0.55 | 0.57 | 0.66 |
| | | PI | 1.42 | 1.42 | 1.42 | 1.41 | 1.41 | 1.41 | 1.41 | 1.41 | 1.41 | 1.41 | 1.41 | 1.41 | 1.41 | 1.41 | 1.41 | 1.43 | 1.43 | 1.43 | 1.43 | 1.43 |
| | 5°F 15°C | TC | 19192 | 19209 | 19468 | 19557 | 20155 | 20104 | 20108 | 20111 | 20111 | 20210 | 20762 | 20760 | 20766 | 20767 | 20769 | 22003 | 21996 | 21996 | 21998 | 22010 |
| | | S/T | 0.79 | 0.90 | 1.00 | 1.00 | 1.00 | 0.64 | 0.75 | 0.84 | 0.85 | 0.96 | 0.54 | 0.65 | 0.73 | 0.75 | 0.85 | 0.39 | 0.47 | 0.55 | 0.57 | 0.66 |
| | | PI | 1.43 | 1.43 | 1.43 | 1.43 | 1.43 | 1.43 | 1.43 | 1.43 | 1.43 | 1.43 | 1.44 | 1.44 | 1.44 | 1.44 | 1.44 | 1.47 | 1.47 | 1.47 | 1.47 | 1.47 |
| | 14°F 10°C | TC | 19321 | 19313 | 19393 | 19563 | 20170 | 20290 | 20279 | 20269 | 20267 | 20257 | 20992 | 20982 | 20966 | 20963 | 20945 | 22312 | 22305 | 22289 | 22284 | 22249 |
| | | S/T | 0.78 | 0.89 | 0.99 | 1.00 | 1.00 | 0.64 | 0.74 | 0.82 | 0.84 | 0.94 | 0.54 | 0.64 | 0.72 | 0.74 | 0.83 | 0.39 | 0.47 | 0.55 | 0.56 | 0.65 |
| | | PI | 1.38 | 1.38 | 1.38 | 1.38 | 1.38 | 1.38 | 1.38 | 1.38 | 1.38 | 1.38 | 1.37 | 1.37 | 1.37 | 1.37 | 1.37 | 1.38 | 1.38 | 1.38 | 1.38 | 1.38 |
| | 17°F 10°C | TC | 19388 | 19393 | 19630 | 19743 | 20379 | 20361 | 20363 | 20367 | 20368 | 20464 | 21010 | 21018 | 21032 | 21033 | 21038 | 22408 | 22401 | 22403 | 22408 | 22428 |
| | | S/T | 0.79 | 0.89 | 1.00 | 1.00 | 1.00 | 0.64 | 0.74 | 0.83 | 0.85 | 0.95 | 0.55 | 0.65 | 0.73 | 0.75 | 0.85 | 0.39 | 0.47 | 0.55 | 0.57 | 0.66 |
| | | PI | 1.35 | 1.35 | 1.35 | 1.35 | 1.35 | 1.35 | 1.35 | 1.35 | 1.35 | 1.35 | 1.35 | 1.35 | 1.35 | 1.35 | 1.35 | 1.36 | 1.36 | 1.36 | 1.36 | 1.36 |
| | 23°F 5°C | TC | 19273 | 19299 | 19613 | 19710 | 20354 | 20262 | 20267 | 20270 | 20270 | 20390 | 20976 | 20975 | 20982 | 20983 | 20986 | 22328 | 22322 | 22323 | 22325 | 22341 |
| | | S/T | 0.80 | 0.91 | 1.00 | 1.00 | 1.00 | 0.65 | 0.75 | 0.84 | 0.86 | 0.97 | 0.54 | 0.65 | 0.74 | 0.75 | 0.85 | 0.39 | 0.47 | 0.56 | 0.57 | 0.66 |
| | | PI | 1.42 | 1.42 | 1.42 | 1.43 | 1.43 | 1.43 | 1.43 | 1.43 | 1.43 | 1.43 | 1.44 | 1.44 | 1.44 | 1.44 | 1.44 | 1.46 | 1.46 | 1.46 | 1.46 | 1.47 |
| | 35°F 1.7°C | TC | 19309 | 19309 | 19347 | 19368 | 19866 | 20235 | 20233 | 20233 | 20234 | 20234 | 20886 | 20884 | 20882 | 20882 | 20884 | 22095 | 22090 | 22085 | 22088 | 22084 |
| | | S/T | 0.75 | 0.85 | 0.93 | 0.94 | 1.00 | 0.62 | 0.71 | 0.79 | 0.80 | 0.89 | 0.53 | 0.62 | 0.69 | 0.71 | 0.80 | 0.39 | 0.46 | 0.53 | 0.54 | 0.63 |
| | | PI | 1.46 | 1.46 | 1.47 | 1.47 | 1.51 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 | 1.62 | 1.62 | 1.62 | 1.62 | 1.62 | 1.76 | 1.76 | 1.76 | 1.76 | 1.76 |
| | 41°F 5°C | TC | 17810 | 17810 | 17859 | 17883 | 18391 | 18660 | 18658 | 18658 | 18659 | 18675 | 19257 | 19255 | 19253 | 19254 | 19256 | 20366 | 20361 | 20356 | 20359 | 20356 |
| | | S/T | 0.76 | 0.86 | 0.94 | 0.96 | 1.00 | 0.62 | 0.72 | 0.80 | 0.81 | 0.90 | 0.53 | 0.62 | 0.70 | 0.71 | 0.81 | 0.39 | 0.46 | 0.53 | 0.55 | 0.64 |
| | | PI | 1.18 | 1.18 | 1.18 | 1.18 | 1.22 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.31 | 1.31 | 1.30 | 1.30 | 1.31 | 1.42 | 1.42 | 1.42 | 1.42 | 1.42 |
| | 47°F 8.3°C | TC | 16308 | 16308 | 16371 | 16399 | 16904 | 17084 | 17081 | 17082 | 17082 | 17108 | 17628 | 17626 | 17625 | 17625 | 17626 | 18639 | 18635 | 18633 | 18633 | 18630 |
| | | S/T | 0.77 | 0.87 | 0.95 | 0.97 | 1.00 | 0.63 | 0.72 | 0.81 | 0.82 | 0.91 | 0.53 | 0.63 | 0.71 | 0.72 | 0.82 | 0.39 | 0.46 | 0.54 | 0.55 | 0.64 |
| | | PI | 0.89 | 0.89 | 0.90 | 0.90 | 0.94 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 1.08 | 1.08 | 1.08 | 1.08 | 1.08 |
| | 50°F 10°C | TC | 15944 | 16205 | 16746 | 16842 | 17487 | 16881 | 16891 | 16946 | 16968 | 17508 | 17546 | 17569 | 17579 | 17580 | 17659 | 18810 | 18819 | 18865 | 18870 | 18895 |
| | | S/T | 0.87 | 1.00 | 1.00 | 1.00 | 1.00 | 0.69 | 0.81 | 0.92 | 0.94 | 1.00 | 0.57 | 0.69 | 0.80 | 0.81 | 0.93 | 0.39 | 0.49 | 0.58 | 0.60 | 0.71 |
| | | PI | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| | 59°F 15°C | TC | 15760 | 16139 | 16707 | 16808 | 17484 | 16722 | 16729 | 16812 | 16844 | 17504 | 17416 | 17434 | 17442 | 17442 | 17558 | 18746 | 18751 | 18788 | 18792 | 18810 |
| | | S/T | 0.88 | 1.00 | 1.00 | 1.00 | 1.00 | 0.70 | 0.83 | 0.94 | 0.97 | 1.00 | 0.58 | 0.71 | 0.81 | 0.83 | 0.96 | 0.39 | 0.50 | 0.59 | 0.61 | 0.73 |
| | | PI | 1.02 | 1.02 | 1.02 | 1.02 | 1.03 | 1.02 | 1.02 | 1.02 | 1.02 | 1.03 | 1.03 | 1.03 | 1.03 | 1.03 | 1.03 | 1.03 | 1.03 | 1.03 | 1.03 | 1.03 |
| | 68°F 20°C | TC | 15590 | 16093 | 16685 | 16790 | 17496 | 16564 | 16570 | 16699 | 16808 | 17516 | 17285 | 17300 | 17304 | 17305 | 17502 | 18664 | 18671 | 18701 | 18704 | 18717 |
| | | S/T | 0.91 | 1.00 | 1.00 | 1.00 | 1.00 | 0.72 | 0.85 | 0.97 | 1.00 | 1.00 | 0.59 | 0.72 | 0.84 | 0.86 | 0.99 | 0.40 | 0.50 | 0.61 | 0.62 | 0.75 |
| | | PI | 1.03 | 1.04 | 1.04 | 1.04 | 1.05 | 1.04 | 1.04 | 1.04 | 1.04 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.06 | 1.06 | 1.06 | 1.06 | 1.06 |
| | 77°F 25°C | TC | 15391 | 15980 | 16600 | 16710 | 17449 | 16391 | 16399 | 16587 | 16730 | 17469 | 17140 | 17159 | 17167 | 17187 | 17485 | 18563 | 18580 | 18621 | 18626 | 18646 |
| | | S/T | 0.92 | 1.00 | 1.00 | 1.00 | 1.00 | 0.72 | 0.87 | 0.99 | 1.00 | 1.00 | 0.59 | 0.73 | 0.85 | 0.86 | 1.00 | 0.40 | 0.51 | 0.61 | 0.63 | 0.76 |
| | | PI | 1.06 | 1.06 | 1.07 | 1.07 | 1.08 | 1.07 | 1.07 | 1.07 | 1.07 | 1.08 | 1.07 | 1.07 | 1.07 | 1.07 | 1.08 | 1.09 | 1.09 | 1.08 | 1.08 | 1.08 |
| | 82°F 27.8°C | TC | 15803 | 16473 | 17129 | 17246 | 18030 | 16846 | 16873 | 17150 | 17267 | 18050 | 17634 | 17657 | 17666 | 17694 | 18067 | 19127 | 19151 | 19199 | 19205 | 19227 |
| | | S/T | 0.94 | 1.00 | 1.00 | 1.00 | 1.00 | 0.73 | 0.87 | 1.00 | 1.00 | 1.00 | 0.60 | 0.74 | 0.86 | 0.87 | 1.00 | 0.40 | 0.51 | 0.62 | 0.63 | 0.76 |
| | | PI | 1.22 | 1.22 | 1.23 | 1.23 | 1.24 | 1.23 | 1.23 | 1.23 | 1.23 | 1.24 | 1.23 | 1.23 | 1.23 | 1.23 | 1.24 | 1.25 | 1.25 | 1.25 | 1.25 | 1.24 |
| | 86°F 30°C | TC | 16778 | 17555 | 18267 | 18393 | 19251 | 17886 | 17923 | 18289 | 18415 | 19266 | 18739 | 18761 | 18791 | 18808 | 19284 | 20350 | 20379 | 20427 | 20432 | 20453 |
| | | S/T | 0.95 | 1.00 | 1.00 | 1.00 | 1.00 | 0.74 | 0.88 | 1.00 | 1.00 | 1.00 | 0.60 | 0.75 | 0.86 | 0.88 | 1.00 | 0.40 | 0.51 | 0.62 | 0.64 | 0.77 |
| | | PI | 1.52 | 1.53 | 1.54 | 1.54 | 1.55 | 1.54 | 1.54 | 1.54 | 1.54 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 | 1.57 | 1.56 | 1.56 | 1.56 | 1.56 |
| | 95°F 35°C | TC | 19199 | 19233 | 19646 | 19761 | 20536 | 20427 | 20432 | 20439 | 20440 | 20578 | 21309 | 21311 | 21322 | 21323 | 21333 | 23003 | 22995 | 22997 | 22996 | 23013 |
| | | S/T | 0.80 | 0.91 | 1.00 | 1.00 | 1.00 | 0.65 | 0.75 | 0.84 | 0.86 | 0.96 | 0.54 | 0.65 | 0.73 | 0.75 | 0.85 | 0.39 | 0.47 | 0.55 | 0.56 | 0.66 |
| | | PI | 2.13 | 2.14 | 2.16 | 2.16 | 2.21 | 2.20 | 2.20 | 2.20 | 2.20 | 2.21 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.34 | 2.34 | 2.34 | 2.34 | 2.34 |
| | 104°F 40°C | TC | 17169 | 17230 | 17727 | 17831 | 18538 | 18267 | 18274 | 18278 | 18279 | 18520 | 19057 | 19060 | 19070 | 19072 | 19078 | 20571 | 20564 | 20568 | 20564 | 20584 |
| | | S/T | 0.82 | 0.94 | 1.00 | 1.00 | 1.00 | 0.66 | 0.77 | 0.86 | 0.88 | 1.00 | 0.55 | 0.66 | 0.75 | 0.77 | 0.87 | 0.39 | 0.47 | 0.56 | 0.58 | 0.67 |
| | | PI | 2.11 | 2.11 | 2.14 | 2.15 | 2.19 | 2.17 | 2.17 | 2.17 | 2.17 | 2.19 | 2.22 | 2.22 | 2.22 | 2.22 | 2.22 | 2.31 | 2.31 | 2.31 | 2.31 | 2.31 |
| | 110°F 43°C | TC | 15848 | 16276 | 16894 | 17003 | 17734 | 16930 | 16936 | 17009 | 17042 | 17753 | 17703 | 17713 | 17719 | 17720 | 17823 | 19189 | 19181 | 19200 | 19203 | 19218 |
| | | S/T | 0.89 | 1.00 | 1.00 | 1.00 | 1.00 | 0.70 | 0.83 | 0.94 | 0.96 | 1.00 | 0.58 | 0.70 | 0.81 | 0.83 | 0.96 | 0.39 | 0.49 | 0.59 | 0.61 | 0.73 |
| | | PI | 2.11 | 2.13 | 2.16 | 2.17 | 2.20 | 2.16 | 2.16 | 2.17 | 2.17 | 2.20 | 2.20 | 2.20 | 2.20 | 2.20 | 2.20 | 2.27 | 2.27 | 2.27 | 2.27 | 2.27 |
| | 115°F 46°C | TC | 12871 | 13356 | 13881 | 13974 | 14597 | 13748 | 13751 | 13871 | 13992 | 14613 | 14404 | 14417 | 14421 | 14421 | 14627 | 15632 | 15625 | 15649 | 15651 | 15659 |
| | | S/T | 0.92 | 1.00 | 1.00 | 1.00 | 1.00 | 0.72 | 0.86 | 0.98 | 1.00 | 1.00 | 0.59 | 0.73 | 0.84 | 0.86 | 1.00 | 0.40 | 0.50 | 0.61 | 0.63 | 0.75 |
| | | PI | 1.79 | 1.81 | 1.83 | 1.84 | 1.86 | 1.83 | 1.83 | 1.83 | 1.84 | 1.86 | 1.86 | 1.86 | 1.86 | 1.86 | 1.86 | 1.91 | 1.91 | 1.91 | 1.91 | 1.91 |
| | 122°F 50°C | TC | 9049 | 9545 | 9969 | 10045 | 10549 | 9468 | 9542 | 9981 | 10056 | 10560 | 9971 | 9970 | 10022 | 10052 | 10569 | 10912 | 10934 | 10939 | 10939 | 10933 |
| | | S/T | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.80 | 0.98 | 1.00 | 1.00 | 1.00 | 0.64 | 0.81 | 0.95 | 0.98 | 1.00 | 0.41 | 0.54 | 0.67 | 0.69 | 0.84 |
| | | PI | 1.38 | 1.39 | 1.40 | 1.40 | 1.42 | 1.39 | 1.39 | 1.40 | 1.40 | 1.42 | 1.40 | 1.40 | 1.40 | 1.40 | 1.42 | 1.43 | 1.43 | 1.43 | 1.43 | 1.43 |

**Manufacturer reserves the right to change, at any time, specifications and designs without notice and without obligations.**

## Table 20 – 24K Cooling — 37MURA + 45MULA (24B) (Continued)

| Airflow CFM | Out-door DB °F | ID WB °F | 60.8°F (16.0°C) | | | | | 64.4°F (16.0°C) | | | | | 67.0°F (19.4°C) | | | | | 71.6°F (22.0°C) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ID DB °F | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C |
| 706 | -13°F 25°C | TC | 21750 | 21740 | 22050 | 22141 | 22750 | 22692 | 22674 | 22659 | 22657 | 22639 | 23371 | 23342 | 23319 | 23316 | 23294 | 24652 | 24645 | 24594 | 24585 | 24533 |
| | | S/T | 0.80 | 0.91 | 1.00 | 1.00 | 1.00 | 0.65 | 0.75 | 0.85 | 0.86 | 0.97 | 0.55 | 0.65 | 0.74 | 0.76 | 0.86 | 0.39 | 0.47 | 0.56 | 0.57 | 0.67 |
| | | PI | 1.74 | 1.74 | 1.73 | 1.73 | 1.73 | 1.73 | 1.73 | 1.73 | 1.73 | 1.73 | 1.72 | 1.72 | 1.72 | 1.72 | 1.73 | 1.73 | 1.73 | 1.73 | 1.73 | 1.74 |
| | -4°F 20°C | TC | 23423 | 23412 | 23746 | 23844 | 24500 | 24438 | 24418 | 24402 | 24400 | 24380 | 25169 | 25137 | 25113 | 25110 | 25086 | 26548 | 26541 | 26486 | 26476 | 26420 |
| | | S/T | 0.80 | 0.92 | 1.00 | 1.00 | 1.00 | 0.65 | 0.76 | 0.85 | 0.87 | 0.98 | 0.55 | 0.65 | 0.74 | 0.76 | 0.86 | 0.39 | 0.48 | 0.56 | 0.57 | 0.67 |
| | | PI | 1.80 | 1.80 | 1.79 | 1.79 | 1.79 | 1.79 | 1.79 | 1.79 | 1.79 | 1.79 | 1.78 | 1.79 | 1.79 | 1.79 | 1.79 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 |
| | 0°F 17.8°C | TC | 24200 | 24186 | 24634 | 24737 | 25417 | 25238 | 25210 | 25190 | 25187 | 25441 | 25980 | 25943 | 25910 | 25907 | 25894 | 27377 | 27370 | 27368 | 27372 | 27390 |
| | | S/T | 0.81 | 0.93 | 1.00 | 1.00 | 1.00 | 0.66 | 0.77 | 0.86 | 0.88 | 1.00 | 0.55 | 0.66 | 0.75 | 0.77 | 0.87 | 0.39 | 0.48 | 0.57 | 0.58 | 0.68 |
| | | PI | 1.81 | 1.81 | 1.81 | 1.81 | 1.81 | 1.81 | 1.81 | 1.81 | 1.81 | 1.81 | 1.81 | 1.81 | 1.81 | 1.81 | 1.81 | 1.83 | 1.83 | 1.83 | 1.83 | 1.83 |
| | 5°F 15°C | TC | 24894 | 24979 | 25550 | 25668 | 26459 | 26061 | 26068 | 26070 | 26096 | 26485 | 26895 | 26901 | 26907 | 26908 | 26944 | 28472 | 28463 | 28478 | 28481 | 28494 |
| | | S/T | 0.82 | 0.94 | 1.00 | 1.00 | 1.00 | 0.66 | 0.78 | 0.87 | 0.88 | 1.00 | 0.56 | 0.67 | 0.76 | 0.78 | 0.88 | 0.39 | 0.48 | 0.57 | 0.59 | 0.69 |
| | | PI | 1.83 | 1.83 | 1.83 | 1.83 | 1.84 | 1.83 | 1.84 | 1.84 | 1.84 | 1.84 | 1.85 | 1.85 | 1.85 | 1.85 | 1.85 | 1.89 | 1.89 | 1.89 | 1.89 | 1.89 |
| | 14°F 10°C | TC | 25080 | 25068 | 25579 | 25699 | 26496 | 26325 | 26302 | 26284 | 26281 | 26527 | 27227 | 27193 | 27165 | 27161 | 27134 | 28951 | 28942 | 28887 | 28877 | 28815 |
| | | S/T | 0.81 | 0.93 | 1.00 | 1.00 | 1.00 | 0.65 | 0.76 | 0.86 | 0.87 | 1.00 | 0.55 | 0.66 | 0.75 | 0.76 | 0.87 | 0.39 | 0.48 | 0.56 | 0.57 | 0.67 |
| | | PI | 1.77 | 1.77 | 1.77 | 1.77 | 1.76 | 1.76 | 1.76 | 1.76 | 1.76 | 1.76 | 1.76 | 1.76 | 1.76 | 1.76 | 1.76 | 1.77 | 1.77 | 1.77 | 1.77 | 1.77 |
| | 17°F 10°C | TC | 25083 | 25165 | 25747 | 25872 | 26713 | 26332 | 26343 | 26348 | 26370 | 26741 | 27231 | 27241 | 27252 | 27253 | 27287 | 28960 | 28952 | 28948 | 28953 | 28978 |
| | | S/T | 0.82 | 0.93 | 1.00 | 1.00 | 1.00 | 0.66 | 0.77 | 0.87 | 0.88 | 1.00 | 0.55 | 0.66 | 0.76 | 0.77 | 0.87 | 0.39 | 0.48 | 0.57 | 0.58 | 0.68 |
| | | PI | 1.73 | 1.73 | 1.73 | 1.73 | 1.73 | 1.73 | 1.73 | 1.73 | 1.73 | 1.73 | 1.73 | 1.73 | 1.73 | 1.73 | 1.73 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 |
| | 23°F 5°C | TC | 24999 | 25106 | 25756 | 25883 | 26736 | 26265 | 26272 | 26275 | 26310 | 26765 | 27170 | 27180 | 27187 | 27188 | 27231 | 28890 | 28881 | 28902 | 28906 | 28923 |
| | | S/T | 0.83 | 0.95 | 1.00 | 1.00 | 1.00 | 0.66 | 0.78 | 0.88 | 0.89 | 1.00 | 0.56 | 0.67 | 0.76 | 0.78 | 0.89 | 0.39 | 0.48 | 0.57 | 0.59 | 0.69 |
| | | PI | 1.82 | 1.82 | 1.83 | 1.83 | 1.84 | 1.83 | 1.83 | 1.83 | 1.84 | 1.84 | 1.85 | 1.85 | 1.85 | 1.85 | 1.85 | 1.88 | 1.88 | 1.88 | 1.88 | 1.88 |
| | 35°F 1.7°C | TC | 25065 | 25066 | 25213 | 25283 | 26099 | 26236 | 26235 | 26238 | 26238 | 26308 | 27058 | 27056 | 27057 | 27058 | 27061 | 28581 | 28574 | 28573 | 28572 | 28574 |
| | | S/T | 0.78 | 0.88 | 0.97 | 0.99 | 1.00 | 0.63 | 0.73 | 0.82 | 0.83 | 0.93 | 0.54 | 0.63 | 0.72 | 0.73 | 0.83 | 0.39 | 0.46 | 0.54 | 0.56 | 0.65 |
| | | PI | 1.87 | 1.87 | 1.89 | 1.89 | 1.97 | 1.99 | 1.99 | 1.99 | 1.99 | 1.99 | 2.07 | 2.07 | 2.07 | 2.07 | 2.07 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 |
| | 41°F 5°C | TC | 23117 | 23118 | 23302 | 23464 | 24157 | 24192 | 24192 | 24193 | 24193 | 24278 | 24947 | 24945 | 24947 | 24947 | 24949 | 26347 | 26340 | 26339 | 26337 | 26340 |
| | | S/T | 0.78 | 0.89 | 0.98 | 1.00 | 1.00 | 0.64 | 0.74 | 0.83 | 0.84 | 0.94 | 0.54 | 0.64 | 0.72 | 0.74 | 0.84 | 0.39 | 0.47 | 0.55 | 0.56 | 0.66 |
| | | PI | 1.51 | 1.51 | 1.52 | 1.54 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.61 | 1.67 | 1.67 | 1.67 | 1.67 | 1.67 | 1.82 | 1.82 | 1.82 | 1.82 | 1.82 |
| | 47°F 8.3°C | TC | 21168 | 21182 | 21466 | 21562 | 22200 | 22149 | 22148 | 22149 | 22149 | 22251 | 22837 | 22835 | 22837 | 22836 | 22836 | 24115 | 24109 | 24107 | 24106 | 24109 |
| | | S/T | 0.79 | 0.90 | 1.00 | 1.00 | 1.00 | 0.64 | 0.75 | 0.84 | 0.85 | 0.96 | 0.54 | 0.65 | 0.73 | 0.75 | 0.85 | 0.39 | 0.47 | 0.55 | 0.57 | 0.67 |
| | | PI | 1.14 | 1.14 | 1.17 | 1.17 | 1.22 | 1.22 | 1.22 | 1.22 | 1.22 | 1.23 | 1.28 | 1.27 | 1.27 | 1.28 | 1.28 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 |
| | 50°F 10°C | TC | 20713 | 21283 | 22001 | 22129 | 22987 | 21882 | 21894 | 22045 | 22115 | 23008 | 22736 | 22765 | 22777 | 22779 | 22998 | 24303 | 24367 | 24430 | 24437 | 24468 |
| | | S/T | 0.90 | 1.00 | 1.00 | 1.00 | 1.00 | 0.71 | 0.85 | 0.96 | 0.99 | 1.00 | 0.59 | 0.72 | 0.83 | 0.85 | 0.99 | 0.40 | 0.50 | 0.60 | 0.62 | 0.74 |
| | | PI | 1.29 | 1.29 | 1.29 | 1.29 | 1.29 | 1.29 | 1.29 | 1.29 | 1.29 | 1.29 | 1.29 | 1.29 | 1.29 | 1.29 | 1.29 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| | 59°F 15°C | TC | 20486 | 21204 | 21957 | 22090 | 22989 | 21675 | 21704 | 21951 | 22114 | 23012 | 22569 | 22592 | 22599 | 22632 | 23031 | 24234 | 24283 | 24331 | 24337 | 24357 |
| | | S/T | 0.92 | 1.00 | 1.00 | 1.00 | 1.00 | 0.73 | 0.86 | 1.00 | 1.00 | 1.00 | 0.60 | 0.73 | 0.85 | 0.86 | 1.00 | 0.40 | 0.51 | 0.61 | 0.63 | 0.76 |
| | | PI | 1.31 | 1.31 | 1.31 | 1.31 | 1.32 | 1.31 | 1.31 | 1.31 | 1.31 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 | 1.33 | 1.32 | 1.32 | 1.32 | 1.32 |
| | 68°F 20°C | TC | 20250 | 21114 | 21897 | 22037 | 22972 | 21438 | 21486 | 21921 | 22060 | 22995 | 22365 | 22382 | 22422 | 22441 | 23013 | 24098 | 24143 | 24181 | 24184 | 24197 |
| | | S/T | 0.95 | 1.00 | 1.00 | 1.00 | 1.00 | 0.74 | 0.89 | 1.00 | 1.00 | 1.00 | 0.61 | 0.75 | 0.87 | 0.89 | 1.00 | 0.40 | 0.51 | 0.63 | 0.65 | 0.78 |
| | | PI | 1.33 | 1.33 | 1.34 | 1.34 | 1.35 | 1.34 | 1.34 | 1.34 | 1.34 | 1.35 | 1.35 | 1.35 | 1.35 | 1.35 | 1.35 | 1.37 | 1.37 | 1.36 | 1.36 | 1.36 |
| | 77°F 25°C | TC | 20000 | 20963 | 21783 | 21928 | 22908 | 21202 | 21269 | 21807 | 21952 | 22931 | 22162 | 22187 | 22244 | 22269 | 22950 | 23936 | 24009 | 24064 | 24070 | 24093 |
| | | S/T | 0.97 | 1.00 | 1.00 | 1.00 | 1.00 | 0.75 | 0.90 | 1.00 | 1.00 | 1.00 | 0.61 | 0.76 | 0.88 | 0.90 | 1.00 | 0.40 | 0.52 | 0.63 | 0.65 | 0.79 |
| | | PI | 1.36 | 1.37 | 1.37 | 1.38 | 1.38 | 1.37 | 1.37 | 1.37 | 1.38 | 1.38 | 1.38 | 1.38 | 1.38 | 1.38 | 1.38 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 |
| | 82°F 27.8°C | TC | 20551 | 21600 | 22471 | 22624 | 23660 | 21778 | 21862 | 22491 | 22649 | 23684 | 22791 | 22819 | 22890 | 22919 | 23705 | 24641 | 24734 | 24799 | 24805 | 24832 |
| | | S/T | 0.99 | 1.00 | 1.00 | 1.00 | 1.00 | 0.76 | 0.91 | 1.00 | 1.00 | 1.00 | 0.62 | 0.77 | 0.89 | 0.92 | 1.00 | 0.40 | 0.52 | 0.64 | 0.66 | 0.80 |
| | | PI | 1.56 | 1.57 | 1.58 | 1.58 | 1.59 | 1.57 | 1.57 | 1.58 | 1.58 | 1.59 | 1.58 | 1.58 | 1.58 | 1.58 | 1.59 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 |
| | 86°F 30°C | TC | 21937 | 23032 | 23974 | 24142 | 25266 | 23135 | 23241 | 24001 | 24169 | 25292 | 24231 | 24259 | 24348 | 24383 | 25314 | 26233 | 26334 | 26397 | 26403 | 26428 |
| | | S/T | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.77 | 0.93 | 1.00 | 1.00 | 1.00 | 0.62 | 0.78 | 0.91 | 0.93 | 1.00 | 0.40 | 0.52 | 0.64 | 0.66 | 0.81 |
| | | PI | 1.96 | 1.97 | 1.98 | 1.98 | 1.99 | 1.97 | 1.97 | 1.98 | 1.98 | 1.99 | 1.98 | 1.98 | 1.98 | 1.98 | 1.99 | 2.01 | 2.01 | 2.01 | 2.00 | 2.00 |
| | 95°F 35°C | TC | 24905 | 25039 | 25848 | 26001 | 27029 | 26468 | 26484 | 26492 | 26523 | 27063 | 27604 | 27610 | 27627 | 27629 | 27675 | 29745 | 29733 | 29740 | 29748 | 29788 |
| | | S/T | 0.83 | 0.95 | 1.00 | 1.00 | 1.00 | 0.66 | 0.78 | 0.88 | 0.89 | 1.00 | 0.56 | 0.67 | 0.76 | 0.78 | 0.88 | 0.39 | 0.48 | 0.57 | 0.58 | 0.68 |
| | | PI | 2.74 | 2.74 | 2.79 | 2.80 | 2.85 | 2.82 | 2.82 | 2.82 | 2.82 | 2.85 | 2.89 | 2.89 | 2.89 | 2.89 | 2.89 | 3.00 | 3.00 | 3.00 | 3.00 | 3.01 |
| | 104°F 40°C | TC | 22273 | 22477 | 23323 | 23464 | 24399 | 23677 | 23690 | 23732 | 23757 | 24430 | 24687 | 24697 | 24710 | 24711 | 24781 | 26609 | 26598 | 26611 | 26620 | 26648 |
| | | S/T | 0.85 | 0.98 | 1.00 | 1.00 | 1.00 | 0.68 | 0.80 | 0.90 | 0.92 | 1.00 | 0.56 | 0.68 | 0.78 | 0.80 | 0.91 | 0.39 | 0.48 | 0.58 | 0.59 | 0.70 |
| | | PI | 2.70 | 2.72 | 2.76 | 2.77 | 2.83 | 2.79 | 2.79 | 2.79 | 2.79 | 2.83 | 2.85 | 2.85 | 2.85 | 2.85 | 2.85 | 2.96 | 2.96 | 2.96 | 2.96 | 2.96 |
| | 110°F 43°C | TC | 20615 | 21407 | 22224 | 22368 | 23337 | 21948 | 21954 | 22200 | 22394 | 23361 | 22936 | 22954 | 22959 | 22977 | 23381 | 24825 | 24827 | 24865 | 24869 | 24883 |
| | | S/T | 0.92 | 1.00 | 1.00 | 1.00 | 1.00 | 0.72 | 0.87 | 0.99 | 1.00 | 1.00 | 0.60 | 0.73 | 0.85 | 0.86 | 1.00 | 0.40 | 0.51 | 0.61 | 0.63 | 0.76 |
| | | PI | 2.72 | 2.75 | 2.79 | 2.80 | 2.84 | 2.78 | 2.78 | 2.79 | 2.80 | 2.84 | 2.83 | 2.82 | 2.82 | 2.82 | 2.84 | 2.92 | 2.92 | 2.92 | 2.92 | 2.91 |
| | 115°F 46°C | TC | 16755 | 17562 | 18256 | 18392 | 19202 | 17818 | 17853 | 18277 | 18415 | 19221 | 18648 | 18660 | 18685 | 18703 | 19238 | 20220 | 20235 | 20263 | 20266 | 20272 |
| | | S/T | 0.96 | 1.00 | 1.00 | 1.00 | 1.00 | 0.75 | 0.89 | 1.00 | 1.00 | 1.00 | 0.61 | 0.75 | 0.87 | 0.90 | 1.00 | 0.40 | 0.52 | 0.63 | 0.65 | 0.78 |
| | | PI | 2.31 | 2.34 | 2.37 | 2.38 | 2.41 | 2.35 | 2.35 | 2.37 | 2.38 | 2.41 | 2.39 | 2.39 | 2.39 | 2.39 | 2.41 | 2.46 | 2.46 | 2.45 | 2.45 | 2.45 |
| | 122°F 50°C | TC | 11758 | 12407 | 12962 | 13059 | 13719 | 12133 | 12420 | 12977 | 13074 | 13732 | 12777 | 12774 | 12986 | 13084 | 13740 | 13952 | 14006 | 14009 | 14008 | 14027 |
| | | S/T | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.84 | 1.00 | 1.00 | 1.00 | 1.00 | 0.67 | 0.85 | 1.00 | 1.00 | 1.00 | 0.41 | 0.55 | 0.69 | 0.72 | 0.88 |
| | | PI | 1.77 | 1.79 | 1.80 | 1.80 | 1.82 | 1.78 | 1.79 | 1.80 | 1.80 | 1.82 | 1.80 | 1.80 | 1.80 | 1.80 | 1.82 | 1.84 | 1.83 | 1.83 | 1.83 | 1.83 |

## Table 21 – 30K Cooling — 37MURA + 45MULA (36A)

| Airflow CFM | Out-door DB °F | ID WB °F | 60.8°F (16.0°C) | | | | | 64.4°F (16.0°C) | | | | | 67.0°F (19.4°C) | | | | | 71.6°F (22.0°C) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ID DB °F | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C |
| 507 | -13°F 25°C | TC | 16758 | 16753 | 16748 | 16845 | 17341 | 17496 | 17487 | 17479 | 17478 | 17465 | 18019 | 18009 | 17997 | 17995 | 17983 | 19007 | 19002 | 18988 | 18984 | 18955 |
| | | S/T | 0.77 | 0.88 | 0.97 | 1.00 | 1.00 | 0.63 | 0.73 | 0.81 | 0.83 | 0.93 | 0.54 | 0.63 | 0.71 | 0.73 | 0.83 | 0.39 | 0.46 | 0.54 | 0.56 | 0.65 |
| | | PI | 1.36 | 1.36 | 1.36 | 1.35 | 1.35 | 1.35 | 1.35 | 1.35 | 1.35 | 1.35 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.35 | 1.35 | 1.35 | 1.35 | 1.35 |
| | -4°F 20°C | TC | 18048 | 18041 | 18036 | 18141 | 18675 | 18842 | 18832 | 18823 | 18822 | 18809 | 19405 | 19395 | 19382 | 19379 | 19366 | 20469 | 20464 | 20449 | 20444 | 20413 |
| | | S/T | 0.78 | 0.88 | 0.97 | 1.00 | 1.00 | 0.63 | 0.73 | 0.82 | 0.83 | 0.93 | 0.54 | 0.64 | 0.72 | 0.73 | 0.83 | 0.39 | 0.47 | 0.55 | 0.56 | 0.65 |
| | | PI | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.39 | 1.39 | 1.40 | 1.40 | 1.40 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 |
| | 0°F 17.8°C | TC | 18643 | 18635 | 18707 | 18850 | 19372 | 19456 | 19441 | 19430 | 19428 | 19425 | 20027 | 20015 | 19997 | 19994 | 19976 | 21106 | 21100 | 21101 | 21103 | 21119 |
| | | S/T | 0.78 | 0.89 | 0.99 | 1.00 | 1.00 | 0.64 | 0.74 | 0.83 | 0.84 | 0.95 | 0.54 | 0.64 | 0.73 | 0.74 | 0.84 | 0.39 | 0.47 | 0.55 | 0.57 | 0.66 |
| | | PI | 1.42 | 1.42 | 1.42 | 1.41 | 1.41 | 1.41 | 1.41 | 1.41 | 1.41 | 1.41 | 1.41 | 1.41 | 1.41 | 1.41 | 1.41 | 1.43 | 1.43 | 1.43 | 1.43 | 1.43 |
| | 5°F 15°C | TC | 19192 | 19209 | 19468 | 19557 | 20155 | 20104 | 20108 | 20111 | 20111 | 20210 | 20762 | 20760 | 20766 | 20767 | 20769 | 22003 | 21996 | 21996 | 21998 | 22010 |
| | | S/T | 0.79 | 0.90 | 1.00 | 1.00 | 1.00 | 0.64 | 0.75 | 0.84 | 0.85 | 0.96 | 0.54 | 0.65 | 0.73 | 0.75 | 0.85 | 0.39 | 0.47 | 0.55 | 0.57 | 0.66 |
| | | PI | 1.43 | 1.43 | 1.43 | 1.43 | 1.43 | 1.43 | 1.43 | 1.43 | 1.43 | 1.43 | 1.44 | 1.44 | 1.44 | 1.44 | 1.44 | 1.47 | 1.47 | 1.47 | 1.47 | 1.47 |
| | 14°F 10°C | TC | 19321 | 19313 | 19393 | 19563 | 20170 | 20290 | 20279 | 20269 | 20267 | 20257 | 20992 | 20982 | 20966 | 20963 | 20945 | 22312 | 22305 | 22289 | 22284 | 22249 |
| | | S/T | 0.78 | 0.89 | 0.99 | 1.00 | 1.00 | 0.64 | 0.74 | 0.82 | 0.84 | 0.94 | 0.54 | 0.64 | 0.72 | 0.74 | 0.83 | 0.39 | 0.47 | 0.55 | 0.56 | 0.65 |
| | | PI | 1.38 | 1.38 | 1.38 | 1.38 | 1.38 | 1.38 | 1.38 | 1.38 | 1.38 | 1.38 | 1.37 | 1.37 | 1.37 | 1.37 | 1.37 | 1.38 | 1.38 | 1.38 | 1.38 | 1.38 |
| | 17°F 10°C | TC | 19388 | 19393 | 19630 | 19743 | 20379 | 20361 | 20363 | 20367 | 20368 | 20464 | 21010 | 21018 | 21032 | 21033 | 21038 | 22408 | 22401 | 22403 | 22408 | 22428 |
| | | S/T | 0.79 | 0.89 | 1.00 | 1.00 | 1.00 | 0.64 | 0.74 | 0.83 | 0.85 | 0.95 | 0.55 | 0.65 | 0.73 | 0.75 | 0.85 | 0.39 | 0.47 | 0.55 | 0.57 | 0.66 |
| | | PI | 1.35 | 1.35 | 1.35 | 1.35 | 1.35 | 1.35 | 1.35 | 1.35 | 1.35 | 1.35 | 1.35 | 1.35 | 1.35 | 1.35 | 1.35 | 1.36 | 1.36 | 1.36 | 1.36 | 1.36 |
| | 23°F 5°C | TC | 19273 | 19299 | 19613 | 19710 | 20354 | 20262 | 20267 | 20270 | 20270 | 20390 | 20976 | 20975 | 20982 | 20983 | 20986 | 22328 | 22322 | 22323 | 22325 | 22341 |
| | | S/T | 0.80 | 0.91 | 1.00 | 1.00 | 1.00 | 0.65 | 0.75 | 0.84 | 0.86 | 0.97 | 0.54 | 0.65 | 0.74 | 0.75 | 0.85 | 0.39 | 0.47 | 0.56 | 0.57 | 0.66 |
| | | PI | 1.42 | 1.42 | 1.42 | 1.43 | 1.43 | 1.43 | 1.43 | 1.43 | 1.43 | 1.43 | 1.44 | 1.44 | 1.44 | 1.44 | 1.44 | 1.46 | 1.46 | 1.46 | 1.46 | 1.47 |
| | 35°F 1.7°C | TC | 19309 | 19309 | 19347 | 19368 | 19866 | 20235 | 20233 | 20233 | 20234 | 20234 | 20886 | 20884 | 20882 | 20882 | 20884 | 22095 | 22090 | 22085 | 22088 | 22084 |
| | | S/T | 0.75 | 0.85 | 0.93 | 0.94 | 1.00 | 0.62 | 0.71 | 0.79 | 0.80 | 0.89 | 0.53 | 0.62 | 0.69 | 0.71 | 0.80 | 0.39 | 0.46 | 0.53 | 0.54 | 0.63 |
| | | PI | 1.46 | 1.46 | 1.47 | 1.47 | 1.51 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 | 1.62 | 1.62 | 1.62 | 1.62 | 1.62 | 1.76 | 1.76 | 1.76 | 1.76 | 1.76 |
| | 41°F 5°C | TC | 17810 | 17810 | 17859 | 17883 | 18391 | 18660 | 18658 | 18658 | 18659 | 18675 | 19257 | 19255 | 19253 | 19254 | 19256 | 20366 | 20361 | 20356 | 20359 | 20356 |
| | | S/T | 0.76 | 0.86 | 0.94 | 0.96 | 1.00 | 0.62 | 0.72 | 0.80 | 0.81 | 0.90 | 0.53 | 0.62 | 0.70 | 0.71 | 0.81 | 0.39 | 0.46 | 0.53 | 0.55 | 0.64 |
| | | PI | 1.18 | 1.18 | 1.18 | 1.18 | 1.22 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.31 | 1.31 | 1.30 | 1.30 | 1.31 | 1.42 | 1.42 | 1.42 | 1.42 | 1.42 |
| | 47°F 8.3°C | TC | 16308 | 16308 | 16371 | 16399 | 16904 | 17084 | 17081 | 17082 | 17082 | 17108 | 17628 | 17626 | 17625 | 17625 | 17626 | 18639 | 18635 | 18633 | 18633 | 18630 |
| | | S/T | 0.77 | 0.87 | 0.95 | 0.97 | 1.00 | 0.63 | 0.72 | 0.81 | 0.82 | 0.91 | 0.53 | 0.63 | 0.71 | 0.72 | 0.82 | 0.39 | 0.46 | 0.54 | 0.55 | 0.64 |
| | | PI | 0.89 | 0.89 | 0.90 | 0.90 | 0.94 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 1.08 | 1.08 | 1.08 | 1.08 | 1.08 |
| | 50°F 10°C | TC | 15944 | 16205 | 16746 | 16842 | 17487 | 16881 | 16891 | 16946 | 16968 | 17508 | 17546 | 17569 | 17579 | 17580 | 17659 | 18810 | 18819 | 18865 | 18870 | 18895 |
| | | S/T | 0.87 | 1.00 | 1.00 | 1.00 | 1.00 | 0.69 | 0.81 | 0.92 | 0.94 | 1.00 | 0.57 | 0.69 | 0.80 | 0.81 | 0.93 | 0.39 | 0.49 | 0.58 | 0.60 | 0.71 |
| | | PI | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| | 59°F 15°C | TC | 15760 | 16139 | 16707 | 16808 | 17484 | 16722 | 16729 | 16812 | 16844 | 17504 | 17416 | 17434 | 17442 | 17442 | 17558 | 18746 | 18751 | 18788 | 18792 | 18810 |
| | | S/T | 0.88 | 1.00 | 1.00 | 1.00 | 1.00 | 0.70 | 0.83 | 0.94 | 0.97 | 1.00 | 0.58 | 0.71 | 0.81 | 0.83 | 0.96 | 0.39 | 0.50 | 0.59 | 0.61 | 0.73 |
| | | PI | 1.02 | 1.02 | 1.02 | 1.02 | 1.03 | 1.02 | 1.02 | 1.02 | 1.02 | 1.03 | 1.03 | 1.03 | 1.03 | 1.03 | 1.03 | 1.03 | 1.03 | 1.03 | 1.03 | 1.03 |
| | 68°F 20°C | TC | 15590 | 16093 | 16685 | 16790 | 17496 | 16564 | 16570 | 16699 | 16808 | 17516 | 17285 | 17300 | 17304 | 17305 | 17502 | 18664 | 18671 | 18701 | 18704 | 18717 |
| | | S/T | 0.91 | 1.00 | 1.00 | 1.00 | 1.00 | 0.72 | 0.85 | 0.97 | 1.00 | 1.00 | 0.59 | 0.72 | 0.84 | 0.86 | 0.99 | 0.40 | 0.50 | 0.61 | 0.62 | 0.75 |
| | | PI | 1.03 | 1.04 | 1.04 | 1.04 | 1.05 | 1.04 | 1.04 | 1.04 | 1.04 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.06 | 1.06 | 1.06 | 1.06 | 1.06 |
| | 77°F 25°C | TC | 15391 | 15980 | 16600 | 16710 | 17449 | 16391 | 16399 | 16587 | 16730 | 17469 | 17140 | 17159 | 17167 | 17187 | 17485 | 18563 | 18580 | 18621 | 18626 | 18646 |
| | | S/T | 0.92 | 1.00 | 1.00 | 1.00 | 1.00 | 0.72 | 0.87 | 0.99 | 1.00 | 1.00 | 0.59 | 0.73 | 0.85 | 0.86 | 1.00 | 0.40 | 0.51 | 0.61 | 0.63 | 0.76 |
| | | PI | 1.06 | 1.06 | 1.07 | 1.07 | 1.08 | 1.07 | 1.07 | 1.07 | 1.07 | 1.08 | 1.07 | 1.07 | 1.07 | 1.07 | 1.08 | 1.09 | 1.09 | 1.08 | 1.08 | 1.08 |
| | 82°F 27.8°C | TC | 15803 | 16473 | 17129 | 17246 | 18030 | 16846 | 16873 | 17150 | 17267 | 18050 | 17634 | 17657 | 17666 | 17694 | 18067 | 19127 | 19151 | 19199 | 19205 | 19227 |
| | | S/T | 0.94 | 1.00 | 1.00 | 1.00 | 1.00 | 0.73 | 0.87 | 1.00 | 1.00 | 1.00 | 0.60 | 0.74 | 0.86 | 0.87 | 1.00 | 0.40 | 0.51 | 0.62 | 0.63 | 0.76 |
| | | PI | 1.22 | 1.22 | 1.23 | 1.23 | 1.24 | 1.23 | 1.23 | 1.23 | 1.23 | 1.24 | 1.23 | 1.23 | 1.23 | 1.23 | 1.24 | 1.25 | 1.25 | 1.25 | 1.25 | 1.24 |
| | 86°F 30°C | TC | 16778 | 17555 | 18267 | 18393 | 19251 | 17886 | 17923 | 18289 | 18415 | 19266 | 18739 | 18761 | 18791 | 18808 | 19284 | 20350 | 20379 | 20427 | 20432 | 20453 |
| | | S/T | 0.95 | 1.00 | 1.00 | 1.00 | 1.00 | 0.74 | 0.88 | 1.00 | 1.00 | 1.00 | 0.60 | 0.75 | 0.86 | 0.88 | 1.00 | 0.40 | 0.51 | 0.62 | 0.64 | 0.77 |
| | | PI | 1.52 | 1.53 | 1.54 | 1.54 | 1.55 | 1.54 | 1.54 | 1.54 | 1.54 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 | 1.57 | 1.56 | 1.56 | 1.56 | 1.56 |
| | 95°F 35°C | TC | 19199 | 19233 | 19646 | 19761 | 20536 | 20427 | 20432 | 20439 | 20440 | 20578 | 21309 | 21311 | 21322 | 21323 | 21333 | 23003 | 22995 | 22997 | 22996 | 23013 |
| | | S/T | 0.80 | 0.91 | 1.00 | 1.00 | 1.00 | 0.65 | 0.75 | 0.84 | 0.86 | 0.96 | 0.54 | 0.65 | 0.73 | 0.75 | 0.85 | 0.39 | 0.47 | 0.55 | 0.56 | 0.66 |
| | | PI | 2.13 | 2.14 | 2.16 | 2.16 | 2.21 | 2.20 | 2.20 | 2.20 | 2.20 | 2.21 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.34 | 2.34 | 2.34 | 2.34 | 2.34 |
| | 104°F 40°C | TC | 17169 | 17230 | 17727 | 17831 | 18538 | 18267 | 18274 | 18278 | 18279 | 18520 | 19057 | 19060 | 19070 | 19072 | 19078 | 20571 | 20564 | 20568 | 20564 | 20584 |
| | | S/T | 0.82 | 0.94 | 1.00 | 1.00 | 1.00 | 0.66 | 0.77 | 0.86 | 0.88 | 1.00 | 0.55 | 0.66 | 0.75 | 0.77 | 0.87 | 0.39 | 0.47 | 0.56 | 0.58 | 0.67 |
| | | PI | 2.11 | 2.11 | 2.14 | 2.15 | 2.19 | 2.17 | 2.17 | 2.17 | 2.17 | 2.19 | 2.22 | 2.22 | 2.22 | 2.22 | 2.22 | 2.31 | 2.31 | 2.31 | 2.31 | 2.31 |
| | 110°F 43°C | TC | 15848 | 16276 | 16894 | 17003 | 17734 | 16930 | 16936 | 17009 | 17042 | 17753 | 17703 | 17713 | 17719 | 17720 | 17823 | 19189 | 19181 | 19200 | 19203 | 19218 |
| | | S/T | 0.89 | 1.00 | 1.00 | 1.00 | 1.00 | 0.70 | 0.83 | 0.94 | 0.96 | 1.00 | 0.58 | 0.70 | 0.81 | 0.83 | 0.96 | 0.39 | 0.49 | 0.59 | 0.61 | 0.73 |
| | | PI | 2.11 | 2.13 | 2.16 | 2.17 | 2.20 | 2.16 | 2.16 | 2.17 | 2.17 | 2.20 | 2.20 | 2.20 | 2.20 | 2.20 | 2.20 | 2.27 | 2.27 | 2.27 | 2.27 | 2.27 |
| | 115°F 46°C | TC | 12871 | 13356 | 13881 | 13974 | 14597 | 13748 | 13751 | 13871 | 13992 | 14613 | 14404 | 14417 | 14421 | 14421 | 14627 | 15632 | 15625 | 15649 | 15651 | 15659 |
| | | S/T | 0.92 | 1.00 | 1.00 | 1.00 | 1.00 | 0.72 | 0.86 | 0.98 | 1.00 | 1.00 | 0.59 | 0.73 | 0.84 | 0.86 | 1.00 | 0.40 | 0.50 | 0.61 | 0.63 | 0.75 |
| | | PI | 1.79 | 1.81 | 1.83 | 1.84 | 1.86 | 1.83 | 1.83 | 1.83 | 1.84 | 1.86 | 1.86 | 1.86 | 1.86 | 1.86 | 1.86 | 1.91 | 1.91 | 1.91 | 1.91 | 1.91 |
| | 122°F 50°C | TC | 9049 | 9545 | 9969 | 10045 | 10549 | 9468 | 9542 | 9981 | 10056 | 10560 | 9971 | 9970 | 10022 | 10052 | 10569 | 10912 | 10934 | 10939 | 10939 | 10933 |
| | | S/T | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.80 | 0.98 | 1.00 | 1.00 | 1.00 | 0.64 | 0.81 | 0.95 | 0.98 | 1.00 | 0.41 | 0.54 | 0.67 | 0.69 | 0.84 |
| | | PI | 1.38 | 1.39 | 1.40 | 1.40 | 1.42 | 1.39 | 1.39 | 1.40 | 1.40 | 1.42 | 1.40 | 1.40 | 1.40 | 1.40 | 1.42 | 1.43 | 1.43 | 1.43 | 1.43 | 1.43 |

## Table 21 – 30K Cooling — 37MURA + 45MULA (36A) (Continued)

| Airflow CFM | Out-door DB °F | ID WB °F | 60.8°F (16.0°C) | | | | | 64.4°F (16.0°C) | | | | | 67.0°F (19.4°C) | | | | | 71.6°F (22.0°C) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ID DB °F | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C |
| 676 | -13°F 25°C | TC | 21750 | 21740 | 22050 | 22141 | 22750 | 22692 | 22674 | 22659 | 22657 | 22639 | 23371 | 23342 | 23319 | 23316 | 23294 | 24652 | 24645 | 24594 | 24585 | 24533 |
| | | S/T | 0.80 | 0.91 | 1.00 | 1.00 | 1.00 | 0.65 | 0.75 | 0.85 | 0.86 | 0.97 | 0.55 | 0.65 | 0.74 | 0.76 | 0.86 | 0.39 | 0.47 | 0.56 | 0.57 | 0.67 |
| | | PI | 1.74 | 1.74 | 1.73 | 1.73 | 1.73 | 1.73 | 1.73 | 1.73 | 1.73 | 1.73 | 1.72 | 1.72 | 1.72 | 1.72 | 1.73 | 1.73 | 1.73 | 1.73 | 1.73 | 1.74 |
| | -4°F 20°C | TC | 23423 | 23412 | 23746 | 23844 | 24500 | 24438 | 24418 | 24402 | 24400 | 24380 | 25169 | 25137 | 25113 | 25110 | 25086 | 26548 | 26541 | 26486 | 26476 | 26420 |
| | | S/T | 0.80 | 0.92 | 1.00 | 1.00 | 1.00 | 0.65 | 0.76 | 0.85 | 0.87 | 0.98 | 0.55 | 0.65 | 0.74 | 0.76 | 0.86 | 0.39 | 0.48 | 0.56 | 0.57 | 0.67 |
| | | PI | 1.80 | 1.80 | 1.79 | 1.79 | 1.79 | 1.79 | 1.79 | 1.79 | 1.79 | 1.79 | 1.78 | 1.79 | 1.79 | 1.79 | 1.79 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 |
| | 0°F 17.8°C | TC | 24200 | 24186 | 24634 | 24737 | 25417 | 25238 | 25210 | 25190 | 25187 | 25441 | 25980 | 25943 | 25910 | 25907 | 25894 | 27377 | 27370 | 27368 | 27372 | 27390 |
| | | S/T | 0.81 | 0.93 | 1.00 | 1.00 | 1.00 | 0.66 | 0.77 | 0.86 | 0.88 | 1.00 | 0.55 | 0.66 | 0.75 | 0.77 | 0.87 | 0.39 | 0.48 | 0.57 | 0.58 | 0.68 |
| | | PI | 1.81 | 1.81 | 1.81 | 1.81 | 1.81 | 1.81 | 1.81 | 1.81 | 1.81 | 1.81 | 1.81 | 1.81 | 1.81 | 1.81 | 1.81 | 1.83 | 1.83 | 1.83 | 1.83 | 1.83 |
| | 5°F 15°C | TC | 24894 | 24979 | 25550 | 25668 | 26459 | 26061 | 26068 | 26070 | 26096 | 26485 | 26895 | 26901 | 26907 | 26908 | 26944 | 28472 | 28463 | 28478 | 28481 | 28494 |
| | | S/T | 0.82 | 0.94 | 1.00 | 1.00 | 1.00 | 0.66 | 0.78 | 0.87 | 0.88 | 1.00 | 0.56 | 0.67 | 0.76 | 0.78 | 0.88 | 0.39 | 0.48 | 0.57 | 0.59 | 0.69 |
| | | PI | 1.83 | 1.83 | 1.83 | 1.83 | 1.84 | 1.83 | 1.84 | 1.84 | 1.84 | 1.84 | 1.85 | 1.85 | 1.85 | 1.85 | 1.85 | 1.89 | 1.89 | 1.89 | 1.89 | 1.89 |
| | 14°F 10°C | TC | 25080 | 25068 | 25579 | 25699 | 26496 | 26325 | 26302 | 26284 | 26281 | 26527 | 27227 | 27193 | 27165 | 27161 | 27134 | 28951 | 28942 | 28887 | 28877 | 28815 |
| | | S/T | 0.81 | 0.93 | 1.00 | 1.00 | 1.00 | 0.65 | 0.76 | 0.86 | 0.87 | 1.00 | 0.55 | 0.66 | 0.75 | 0.76 | 0.87 | 0.39 | 0.48 | 0.56 | 0.57 | 0.67 |
| | | PI | 1.77 | 1.77 | 1.77 | 1.77 | 1.76 | 1.76 | 1.76 | 1.76 | 1.76 | 1.76 | 1.76 | 1.76 | 1.76 | 1.76 | 1.76 | 1.77 | 1.77 | 1.77 | 1.77 | 1.77 |
| | 17°F 10°C | TC | 25083 | 25165 | 25747 | 25872 | 26713 | 26332 | 26343 | 26348 | 26370 | 26741 | 27231 | 27241 | 27252 | 27253 | 27287 | 28960 | 28952 | 28948 | 28953 | 28978 |
| | | S/T | 0.82 | 0.93 | 1.00 | 1.00 | 1.00 | 0.66 | 0.77 | 0.87 | 0.88 | 1.00 | 0.55 | 0.66 | 0.76 | 0.77 | 0.87 | 0.39 | 0.48 | 0.57 | 0.58 | 0.68 |
| | | PI | 1.73 | 1.73 | 1.73 | 1.73 | 1.73 | 1.73 | 1.73 | 1.73 | 1.73 | 1.73 | 1.73 | 1.73 | 1.73 | 1.73 | 1.73 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 |
| | 23°F 5°C | TC | 24999 | 25106 | 25756 | 25883 | 26736 | 26265 | 26272 | 26275 | 26310 | 26765 | 27170 | 27180 | 27187 | 27188 | 27231 | 28890 | 28881 | 28902 | 28906 | 28923 |
| | | S/T | 0.83 | 0.95 | 1.00 | 1.00 | 1.00 | 0.66 | 0.78 | 0.88 | 0.89 | 1.00 | 0.56 | 0.67 | 0.76 | 0.78 | 0.89 | 0.39 | 0.48 | 0.57 | 0.59 | 0.69 |
| | | PI | 1.82 | 1.82 | 1.83 | 1.83 | 1.84 | 1.83 | 1.83 | 1.83 | 1.84 | 1.84 | 1.85 | 1.85 | 1.85 | 1.85 | 1.85 | 1.88 | 1.88 | 1.88 | 1.88 | 1.88 |
| | 35°F 1.7°C | TC | 25065 | 25066 | 25213 | 25283 | 26099 | 26236 | 26235 | 26238 | 26238 | 26308 | 27058 | 27056 | 27057 | 27058 | 27061 | 28581 | 28574 | 28573 | 28572 | 28574 |
| | | S/T | 0.78 | 0.88 | 0.97 | 0.99 | 1.00 | 0.63 | 0.73 | 0.82 | 0.83 | 0.93 | 0.54 | 0.63 | 0.72 | 0.73 | 0.83 | 0.39 | 0.46 | 0.54 | 0.56 | 0.65 |
| | | PI | 1.87 | 1.87 | 1.89 | 1.89 | 1.97 | 1.99 | 1.99 | 1.99 | 1.99 | 1.99 | 2.07 | 2.07 | 2.07 | 2.07 | 2.07 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 |
| | 41°F 5°C | TC | 23117 | 23118 | 23302 | 23464 | 24157 | 24192 | 24192 | 24193 | 24193 | 24278 | 24947 | 24945 | 24947 | 24947 | 24949 | 26347 | 26340 | 26339 | 26337 | 26340 |
| | | S/T | 0.78 | 0.89 | 0.98 | 1.00 | 1.00 | 0.64 | 0.74 | 0.83 | 0.84 | 0.94 | 0.54 | 0.64 | 0.72 | 0.74 | 0.84 | 0.39 | 0.47 | 0.55 | 0.56 | 0.66 |
| | | PI | 1.51 | 1.51 | 1.52 | 1.54 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.61 | 1.67 | 1.67 | 1.67 | 1.67 | 1.67 | 1.82 | 1.82 | 1.82 | 1.82 | 1.82 |
| | 47°F 8.3°C | TC | 21168 | 21182 | 21466 | 21562 | 22200 | 22149 | 22148 | 22149 | 22149 | 22251 | 22837 | 22835 | 22837 | 22836 | 22836 | 24115 | 24109 | 24107 | 24106 | 24109 |
| | | S/T | 0.79 | 0.90 | 1.00 | 1.00 | 1.00 | 0.64 | 0.75 | 0.84 | 0.85 | 0.96 | 0.54 | 0.65 | 0.73 | 0.75 | 0.85 | 0.39 | 0.47 | 0.55 | 0.57 | 0.67 |
| | | PI | 1.14 | 1.14 | 1.17 | 1.17 | 1.22 | 1.22 | 1.22 | 1.22 | 1.22 | 1.23 | 1.28 | 1.27 | 1.27 | 1.28 | 1.28 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 |
| | 50°F 10°C | TC | 20713 | 21283 | 22001 | 22129 | 22987 | 21882 | 21894 | 22045 | 22115 | 23008 | 22736 | 22765 | 22777 | 22779 | 22998 | 24303 | 24367 | 24430 | 24437 | 24468 |
| | | S/T | 0.90 | 1.00 | 1.00 | 1.00 | 1.00 | 0.71 | 0.85 | 0.96 | 0.99 | 1.00 | 0.59 | 0.72 | 0.83 | 0.85 | 0.99 | 0.40 | 0.50 | 0.60 | 0.62 | 0.74 |
| | | PI | 1.29 | 1.29 | 1.29 | 1.29 | 1.29 | 1.29 | 1.29 | 1.29 | 1.29 | 1.29 | 1.29 | 1.29 | 1.29 | 1.29 | 1.29 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| | 59°F 15°C | TC | 20486 | 21204 | 21957 | 22090 | 22989 | 21675 | 21704 | 21951 | 22114 | 23012 | 22569 | 22592 | 22599 | 22632 | 23031 | 24234 | 24283 | 24331 | 24337 | 24357 |
| | | S/T | 0.92 | 1.00 | 1.00 | 1.00 | 1.00 | 0.73 | 0.86 | 1.00 | 1.00 | 1.00 | 0.60 | 0.73 | 0.85 | 0.86 | 1.00 | 0.40 | 0.51 | 0.61 | 0.63 | 0.76 |
| | | PI | 1.31 | 1.31 | 1.31 | 1.31 | 1.32 | 1.31 | 1.31 | 1.31 | 1.31 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 | 1.33 | 1.32 | 1.32 | 1.32 | 1.32 |
| | 68°F 20°C | TC | 20250 | 21114 | 21897 | 22037 | 22972 | 21438 | 21486 | 21921 | 22060 | 22995 | 22365 | 22382 | 22422 | 22441 | 23013 | 24098 | 24143 | 24181 | 24184 | 24197 |
| | | S/T | 0.95 | 1.00 | 1.00 | 1.00 | 1.00 | 0.74 | 0.89 | 1.00 | 1.00 | 1.00 | 0.61 | 0.75 | 0.87 | 0.89 | 1.00 | 0.40 | 0.51 | 0.63 | 0.65 | 0.78 |
| | | PI | 1.33 | 1.33 | 1.34 | 1.34 | 1.35 | 1.34 | 1.34 | 1.34 | 1.34 | 1.35 | 1.35 | 1.35 | 1.35 | 1.35 | 1.35 | 1.37 | 1.37 | 1.36 | 1.36 | 1.36 |
| | 77°F 25°C | TC | 20000 | 20963 | 21783 | 21928 | 22908 | 21202 | 21269 | 21807 | 21952 | 22931 | 22162 | 22187 | 22244 | 22269 | 22950 | 23936 | 24009 | 24064 | 24070 | 24093 |
| | | S/T | 0.97 | 1.00 | 1.00 | 1.00 | 1.00 | 0.75 | 0.90 | 1.00 | 1.00 | 1.00 | 0.61 | 0.76 | 0.88 | 0.90 | 1.00 | 0.40 | 0.52 | 0.63 | 0.65 | 0.79 |
| | | PI | 1.36 | 1.37 | 1.37 | 1.38 | 1.38 | 1.37 | 1.37 | 1.37 | 1.38 | 1.38 | 1.38 | 1.38 | 1.38 | 1.38 | 1.38 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 |
| | 82°F 27.8°C | TC | 20551 | 21600 | 22471 | 22624 | 23660 | 21778 | 21862 | 22491 | 22649 | 23684 | 22791 | 22819 | 22890 | 22919 | 23705 | 24641 | 24734 | 24799 | 24805 | 24832 |
| | | S/T | 0.99 | 1.00 | 1.00 | 1.00 | 1.00 | 0.76 | 0.91 | 1.00 | 1.00 | 1.00 | 0.62 | 0.77 | 0.89 | 0.92 | 1.00 | 0.40 | 0.52 | 0.64 | 0.66 | 0.80 |
| | | PI | 1.56 | 1.57 | 1.58 | 1.58 | 1.59 | 1.57 | 1.57 | 1.58 | 1.58 | 1.59 | 1.58 | 1.58 | 1.58 | 1.58 | 1.59 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 |
| | 86°F 30°C | TC | 21937 | 23032 | 23974 | 24142 | 25266 | 23135 | 23241 | 24001 | 24169 | 25292 | 24231 | 24259 | 24348 | 24383 | 25314 | 26233 | 26334 | 26397 | 26403 | 26428 |
| | | S/T | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.77 | 0.93 | 1.00 | 1.00 | 1.00 | 0.62 | 0.78 | 0.91 | 0.93 | 1.00 | 0.40 | 0.52 | 0.64 | 0.66 | 0.81 |
| | | PI | 1.96 | 1.97 | 1.98 | 1.98 | 1.99 | 1.97 | 1.97 | 1.98 | 1.98 | 1.99 | 1.98 | 1.98 | 1.98 | 1.98 | 1.99 | 2.01 | 2.01 | 2.01 | 2.00 | 2.00 |
| | 95°F 35°C | TC | 24905 | 25039 | 25848 | 26001 | 27029 | 26468 | 26484 | 26492 | 26523 | 27063 | 27604 | 27610 | 27627 | 27629 | 27675 | 29745 | 29733 | 29740 | 29748 | 29788 |
| | | S/T | 0.83 | 0.95 | 1.00 | 1.00 | 1.00 | 0.66 | 0.78 | 0.88 | 0.89 | 1.00 | 0.56 | 0.67 | 0.76 | 0.78 | 0.88 | 0.39 | 0.48 | 0.57 | 0.58 | 0.68 |
| | | PI | 2.74 | 2.74 | 2.79 | 2.80 | 2.85 | 2.82 | 2.82 | 2.82 | 2.82 | 2.85 | 2.89 | 2.89 | 2.89 | 2.89 | 2.89 | 3.00 | 3.00 | 3.00 | 3.00 | 3.01 |
| | 104°F 40°C | TC | 22273 | 22477 | 23323 | 23464 | 24399 | 23677 | 23690 | 23732 | 23757 | 24430 | 24687 | 24697 | 24710 | 24711 | 24781 | 26609 | 26598 | 26611 | 26620 | 26648 |
| | | S/T | 0.85 | 0.98 | 1.00 | 1.00 | 1.00 | 0.68 | 0.80 | 0.90 | 0.92 | 1.00 | 0.56 | 0.68 | 0.78 | 0.80 | 0.91 | 0.39 | 0.48 | 0.58 | 0.59 | 0.70 |
| | | PI | 2.70 | 2.72 | 2.76 | 2.77 | 2.83 | 2.79 | 2.79 | 2.79 | 2.79 | 2.83 | 2.85 | 2.85 | 2.85 | 2.85 | 2.85 | 2.96 | 2.96 | 2.96 | 2.96 | 2.96 |
| | 110°F 43°C | TC | 20615 | 21407 | 22224 | 22368 | 23337 | 21948 | 21954 | 22200 | 22394 | 23361 | 22936 | 22954 | 22959 | 22977 | 23381 | 24825 | 24827 | 24865 | 24869 | 24883 |
| | | S/T | 0.92 | 1.00 | 1.00 | 1.00 | 1.00 | 0.72 | 0.87 | 0.99 | 1.00 | 1.00 | 0.60 | 0.73 | 0.85 | 0.86 | 1.00 | 0.40 | 0.51 | 0.61 | 0.63 | 0.76 |
| | | PI | 2.72 | 2.75 | 2.79 | 2.80 | 2.84 | 2.78 | 2.78 | 2.79 | 2.80 | 2.84 | 2.83 | 2.82 | 2.82 | 2.82 | 2.84 | 2.92 | 2.92 | 2.92 | 2.92 | 2.91 |
| | 115°F 46°C | TC | 16755 | 17562 | 18256 | 18392 | 19202 | 17818 | 17853 | 18277 | 18415 | 19221 | 18648 | 18660 | 18685 | 18703 | 19238 | 20220 | 20235 | 20263 | 20266 | 20272 |
| | | S/T | 0.96 | 1.00 | 1.00 | 1.00 | 1.00 | 0.75 | 0.89 | 1.00 | 1.00 | 1.00 | 0.61 | 0.75 | 0.87 | 0.90 | 1.00 | 0.40 | 0.52 | 0.63 | 0.65 | 0.78 |
| | | PI | 2.31 | 2.34 | 2.37 | 2.38 | 2.41 | 2.35 | 2.35 | 2.37 | 2.38 | 2.41 | 2.39 | 2.39 | 2.39 | 2.39 | 2.41 | 2.46 | 2.46 | 2.45 | 2.45 | 2.45 |
| | 122°F 50°C | TC | 11758 | 12407 | 12962 | 13059 | 13719 | 12133 | 12420 | 12977 | 13074 | 13732 | 12777 | 12774 | 12986 | 13084 | 13740 | 13952 | 14006 | 14009 | 14008 | 14027 |
| | | S/T | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.84 | 1.00 | 1.00 | 1.00 | 1.00 | 0.67 | 0.85 | 1.00 | 1.00 | 1.00 | 0.41 | 0.55 | 0.69 | 0.72 | 0.88 |
| | | PI | 1.77 | 1.79 | 1.80 | 1.80 | 1.82 | 1.78 | 1.79 | 1.80 | 1.80 | 1.82 | 1.80 | 1.80 | 1.80 | 1.80 | 1.82 | 1.84 | 1.83 | 1.83 | 1.83 | 1.83 |

## Table 22 – 30K Cooling — 37MURA + 45MULA (36B)

| Airflow CFM | Out-door DB °F | ID WB °F | 60.8°F (16.0°C) | | | | | 64.4°F (16.0°C) | | | | | 67.0°F (19.4°C) | | | | | 71.6°F (22.0°C) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ID DB °F | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C |
| 662 | -13°F 25°C | TC | 24142 | 24133 | 24126 | 24267 | 24981 | 25205 | 25191 | 25179 | 25178 | 25160 | 25957 | 25943 | 25926 | 25923 | 25905 | 27381 | 27374 | 27354 | 27347 | 27306 |
| | | S/T | 0.77 | 0.88 | 0.97 | 1.00 | 1.00 | 0.63 | 0.73 | 0.81 | 0.83 | 0.93 | 0.54 | 0.63 | 0.71 | 0.73 | 0.83 | 0.39 | 0.46 | 0.54 | 0.56 | 0.65 |
| | | PI | 1.29 | 1.29 | 1.29 | 1.29 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| | -4°F 20°C | TC | 25999 | 25990 | 25982 | 26133 | 26903 | 27143 | 27129 | 27116 | 27114 | 27096 | 27954 | 27939 | 27921 | 27917 | 27898 | 29488 | 29480 | 29458 | 29451 | 29407 |
| | | S/T | 0.78 | 0.88 | 0.97 | 1.00 | 1.00 | 0.63 | 0.73 | 0.82 | 0.83 | 0.93 | 0.54 | 0.64 | 0.72 | 0.73 | 0.83 | 0.39 | 0.47 | 0.55 | 0.56 | 0.65 |
| | | PI | 1.33 | 1.33 | 1.33 | 1.33 | 1.33 | 1.32 | 1.32 | 1.33 | 1.33 | 1.33 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 | 1.33 | 1.33 | 1.33 | 1.33 | 1.33 |
| | 0°F 17.8°C | TC | 26857 | 26845 | 26949 | 27154 | 27906 | 28028 | 28007 | 27990 | 27988 | 27983 | 28850 | 28833 | 28807 | 28803 | 28777 | 30405 | 30396 | 30397 | 30400 | 30423 |
| | | S/T | 0.78 | 0.89 | 0.99 | 1.00 | 1.00 | 0.64 | 0.74 | 0.83 | 0.84 | 0.95 | 0.54 | 0.64 | 0.73 | 0.74 | 0.84 | 0.39 | 0.47 | 0.55 | 0.57 | 0.66 |
| | | PI | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.35 | 1.35 | 1.35 | 1.35 | 1.35 |
| | 5°F 15°C | TC | 27647 | 27672 | 28045 | 28173 | 29035 | 28961 | 28967 | 28971 | 28971 | 29114 | 29909 | 29907 | 29915 | 29916 | 29919 | 31696 | 31687 | 31687 | 31690 | 31707 |
| | | S/T | 0.79 | 0.90 | 1.00 | 1.00 | 1.00 | 0.64 | 0.75 | 0.84 | 0.85 | 0.96 | 0.54 | 0.65 | 0.73 | 0.75 | 0.85 | 0.39 | 0.47 | 0.55 | 0.57 | 0.66 |
| | | PI | 1.36 | 1.36 | 1.36 | 1.36 | 1.36 | 1.36 | 1.36 | 1.36 | 1.36 | 1.36 | 1.37 | 1.37 | 1.37 | 1.37 | 1.37 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 |
| | 14°F 10°C | TC | 27059 | 27049 | 27161 | 27399 | 28249 | 28417 | 28401 | 28387 | 28385 | 28370 | 29399 | 29386 | 29363 | 29359 | 29334 | 31248 | 31239 | 31216 | 31209 | 31161 |
| | | S/T | 0.78 | 0.89 | 0.99 | 1.00 | 1.00 | 0.64 | 0.74 | 0.82 | 0.84 | 0.94 | 0.54 | 0.64 | 0.72 | 0.74 | 0.83 | 0.39 | 0.47 | 0.55 | 0.56 | 0.65 |
| | | PI | 1.42 | 1.42 | 1.42 | 1.42 | 1.41 | 1.41 | 1.41 | 1.41 | 1.41 | 1.41 | 1.41 | 1.41 | 1.41 | 1.41 | 1.41 | 1.41 | 1.41 | 1.42 | 1.42 | 1.42 |
| | 17°F 10°C | TC | 26898 | 26904 | 27234 | 27391 | 28273 | 28248 | 28250 | 28256 | 28257 | 28391 | 29149 | 29160 | 29179 | 29180 | 29188 | 31088 | 31078 | 31081 | 31087 | 31116 |
| | | S/T | 0.79 | 0.89 | 1.00 | 1.00 | 1.00 | 0.64 | 0.74 | 0.83 | 0.85 | 0.95 | 0.55 | 0.65 | 0.73 | 0.75 | 0.85 | 0.39 | 0.47 | 0.55 | 0.57 | 0.66 |
| | | PI | 1.43 | 1.43 | 1.43 | 1.43 | 1.42 | 1.42 | 1.42 | 1.42 | 1.42 | 1.42 | 1.42 | 1.42 | 1.42 | 1.42 | 1.42 | 1.43 | 1.43 | 1.43 | 1.43 | 1.44 |
| | 23°F 5°C | TC | 26065 | 26101 | 26526 | 26656 | 27528 | 27403 | 27410 | 27414 | 27414 | 27576 | 28369 | 28368 | 28377 | 28378 | 28383 | 30198 | 30189 | 30190 | 30194 | 30215 |
| | | S/T | 0.80 | 0.91 | 1.00 | 1.00 | 1.00 | 0.65 | 0.75 | 0.84 | 0.86 | 0.97 | 0.54 | 0.65 | 0.74 | 0.75 | 0.85 | 0.39 | 0.47 | 0.56 | 0.57 | 0.66 |
| | | PI | 1.41 | 1.41 | 1.41 | 1.41 | 1.42 | 1.42 | 1.42 | 1.42 | 1.42 | 1.42 | 1.43 | 1.43 | 1.43 | 1.43 | 1.43 | 1.45 | 1.45 | 1.45 | 1.45 | 1.45 |
| | 35°F 1.7°C | TC | 24756 | 24757 | 24805 | 24833 | 25471 | 25944 | 25941 | 25942 | 25942 | 25943 | 26778 | 26776 | 26773 | 26773 | 26776 | 28329 | 28322 | 28316 | 28320 | 28315 |
| | | S/T | 0.75 | 0.85 | 0.93 | 0.94 | 1.00 | 0.62 | 0.71 | 0.79 | 0.80 | 0.89 | 0.53 | 0.62 | 0.69 | 0.71 | 0.80 | 0.39 | 0.46 | 0.53 | 0.54 | 0.63 |
| | | PI | 1.29 | 1.29 | 1.30 | 1.30 | 1.34 | 1.37 | 1.37 | 1.37 | 1.37 | 1.37 | 1.43 | 1.43 | 1.43 | 1.43 | 1.43 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 |
| | 41°F 5°C | TC | 24292 | 24293 | 24360 | 24393 | 25085 | 25452 | 25449 | 25450 | 25450 | 25473 | 26267 | 26264 | 26262 | 26262 | 26265 | 27779 | 27772 | 27766 | 27769 | 27765 |
| | | S/T | 0.76 | 0.86 | 0.94 | 0.96 | 1.00 | 0.62 | 0.72 | 0.80 | 0.81 | 0.90 | 0.53 | 0.62 | 0.70 | 0.71 | 0.81 | 0.39 | 0.46 | 0.53 | 0.55 | 0.64 |
| | | PI | 1.29 | 1.29 | 1.30 | 1.30 | 1.34 | 1.37 | 1.37 | 1.37 | 1.37 | 1.37 | 1.43 | 1.43 | 1.43 | 1.43 | 1.43 | 1.56 | 1.56 | 1.56 | 1.56 | 1.56 |
| | 47°F 8.3°C | TC | 23826 | 23826 | 23918 | 23959 | 24697 | 24960 | 24956 | 24957 | 24957 | 24995 | 25755 | 25752 | 25750 | 25750 | 25752 | 27233 | 27226 | 27224 | 27223 | 27219 |
| | | S/T | 0.77 | 0.87 | 0.95 | 0.97 | 1.00 | 0.63 | 0.72 | 0.81 | 0.82 | 0.91 | 0.53 | 0.63 | 0.71 | 0.72 | 0.82 | 0.39 | 0.46 | 0.54 | 0.55 | 0.64 |
| | | PI | 1.29 | 1.29 | 1.29 | 1.30 | 1.35 | 1.37 | 1.37 | 1.37 | 1.37 | 1.38 | 1.44 | 1.44 | 1.44 | 1.44 | 1.44 | 1.57 | 1.57 | 1.57 | 1.57 | 1.57 |
| | 50°F 10°C | TC | 23019 | 23395 | 24177 | 24315 | 25247 | 24372 | 24386 | 24465 | 24497 | 25276 | 25331 | 25364 | 25379 | 25380 | 25495 | 27156 | 27170 | 27235 | 27243 | 27279 |
| | | S/T | 0.87 | 1.00 | 1.00 | 1.00 | 1.00 | 0.69 | 0.81 | 0.92 | 0.94 | 1.00 | 0.57 | 0.69 | 0.80 | 0.81 | 0.93 | 0.39 | 0.49 | 0.58 | 0.60 | 0.71 |
| | | PI | 1.46 | 1.46 | 1.46 | 1.46 | 1.46 | 1.46 | 1.46 | 1.46 | 1.46 | 1.46 | 1.46 | 1.46 | 1.46 | 1.46 | 1.46 | 1.46 | 1.46 | 1.46 | 1.46 | 1.45 |
| | 59°F 15°C | TC | 21926 | 22454 | 23244 | 23384 | 24325 | 23264 | 23274 | 23389 | 23434 | 24353 | 24230 | 24255 | 24265 | 24266 | 24427 | 26080 | 26087 | 26138 | 26144 | 26169 |
| | | S/T | 0.88 | 1.00 | 1.00 | 1.00 | 1.00 | 0.70 | 0.83 | 0.94 | 0.97 | 1.00 | 0.58 | 0.71 | 0.81 | 0.83 | 0.96 | 0.39 | 0.50 | 0.59 | 0.61 | 0.73 |
| | | PI | 1.51 | 1.51 | 1.51 | 1.52 | 1.52 | 1.52 | 1.52 | 1.52 | 1.52 | 1.52 | 1.52 | 1.52 | 1.52 | 1.52 | 1.52 | 1.53 | 1.53 | 1.53 | 1.53 | 1.53 |
| | 68°F 20°C | TC | 20858 | 21531 | 22323 | 22464 | 23409 | 22162 | 22169 | 22342 | 22488 | 23435 | 23127 | 23146 | 23152 | 23153 | 23416 | 24972 | 24980 | 25020 | 25025 | 25042 |
| | | S/T | 0.91 | 1.00 | 1.00 | 1.00 | 1.00 | 0.72 | 0.85 | 0.97 | 1.00 | 1.00 | 0.59 | 0.72 | 0.84 | 0.86 | 0.99 | 0.40 | 0.50 | 0.61 | 0.62 | 0.75 |
| | | PI | 1.56 | 1.57 | 1.57 | 1.58 | 1.58 | 1.57 | 1.57 | 1.57 | 1.58 | 1.59 | 1.58 | 1.58 | 1.58 | 1.58 | 1.59 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 |
| | 77°F 25°C | TC | 19758 | 20515 | 21311 | 21452 | 22400 | 21043 | 21053 | 21295 | 21477 | 22426 | 22003 | 22029 | 22039 | 22064 | 22447 | 23831 | 23852 | 23906 | 23912 | 23937 |
| | | S/T | 0.92 | 1.00 | 1.00 | 1.00 | 1.00 | 0.72 | 0.87 | 0.99 | 1.00 | 1.00 | 0.59 | 0.73 | 0.85 | 0.86 | 1.00 | 0.40 | 0.51 | 0.61 | 0.63 | 0.76 |
| | | PI | 1.62 | 1.63 | 1.64 | 1.64 | 1.65 | 1.64 | 1.64 | 1.64 | 1.64 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 |
| | 82°F 27.8°C | TC | 19891 | 20734 | 21560 | 21707 | 22694 | 21203 | 21238 | 21586 | 21733 | 22720 | 22195 | 22225 | 22236 | 22271 | 22741 | 24075 | 24106 | 24166 | 24173 | 24201 |
| | | S/T | 0.94 | 1.00 | 1.00 | 1.00 | 1.00 | 0.73 | 0.87 | 1.00 | 1.00 | 1.00 | 0.60 | 0.74 | 0.86 | 0.87 | 1.00 | 0.40 | 0.51 | 0.62 | 0.63 | 0.76 |
| | | PI | 1.76 | 1.76 | 1.77 | 1.77 | 1.78 | 1.77 | 1.77 | 1.77 | 1.77 | 1.78 | 1.78 | 1.78 | 1.78 | 1.78 | 1.78 | 1.80 | 1.80 | 1.80 | 1.80 | 1.79 |
| | 86°F 30°C | TC | 20915 | 21883 | 22771 | 22928 | 23997 | 22296 | 22342 | 22798 | 22956 | 24015 | 23359 | 23387 | 23424 | 23445 | 24038 | 25367 | 25404 | 25463 | 25470 | 25496 |
| | | S/T | 0.95 | 1.00 | 1.00 | 1.00 | 1.00 | 0.74 | 0.88 | 1.00 | 1.00 | 1.00 | 0.60 | 0.75 | 0.86 | 0.88 | 1.00 | 0.40 | 0.51 | 0.62 | 0.64 | 0.77 |
| | | PI | 1.98 | 1.99 | 2.00 | 2.00 | 2.02 | 2.00 | 2.00 | 2.00 | 2.00 | 2.01 | 2.01 | 2.01 | 2.01 | 2.01 | 2.01 | 2.03 | 2.03 | 2.03 | 2.03 | 2.03 |
| | 95°F 35°C | TC | 23497 | 23539 | 24044 | 24186 | 25134 | 25000 | 25006 | 25015 | 25016 | 25185 | 26079 | 26082 | 26095 | 26098 | 26109 | 28153 | 28143 | 28146 | 28145 | 28166 |
| | | S/T | 0.80 | 0.91 | 1.00 | 1.00 | 1.00 | 0.65 | 0.75 | 0.84 | 0.86 | 0.96 | 0.54 | 0.65 | 0.73 | 0.75 | 0.85 | 0.39 | 0.47 | 0.55 | 0.56 | 0.66 |
| | | PI | 2.40 | 2.40 | 2.42 | 2.43 | 2.48 | 2.47 | 2.47 | 2.47 | 2.47 | 2.48 | 2.53 | 2.53 | 2.53 | 2.53 | 2.53 | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 |
| | 104°F 40°C | TC | 23039 | 23122 | 23788 | 23928 | 24877 | 24514 | 24522 | 24528 | 24529 | 24853 | 25573 | 25577 | 25591 | 25593 | 25601 | 27605 | 27595 | 27601 | 27596 | 27622 |
| | | S/T | 0.82 | 0.94 | 1.00 | 1.00 | 1.00 | 0.66 | 0.77 | 0.86 | 0.88 | 1.00 | 0.55 | 0.66 | 0.75 | 0.77 | 0.87 | 0.39 | 0.47 | 0.56 | 0.58 | 0.67 |
| | | PI | 2.51 | 2.51 | 2.54 | 2.55 | 2.60 | 2.58 | 2.58 | 2.58 | 2.58 | 2.60 | 2.64 | 2.64 | 2.64 | 2.64 | 2.64 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 |
| | 110°F 43°C | TC | 22617 | 23229 | 24110 | 24266 | 25309 | 24161 | 24170 | 24275 | 24322 | 25337 | 25265 | 25280 | 25288 | 25289 | 25436 | 27386 | 27374 | 27402 | 27406 | 27427 |
| | | S/T | 0.89 | 1.00 | 1.00 | 1.00 | 1.00 | 0.70 | 0.83 | 0.94 | 0.96 | 1.00 | 0.58 | 0.70 | 0.81 | 0.83 | 0.96 | 0.39 | 0.49 | 0.59 | 0.61 | 0.73 |
| | | PI | 2.60 | 2.62 | 2.66 | 2.66 | 2.71 | 2.66 | 2.66 | 2.67 | 2.67 | 2.71 | 2.71 | 2.71 | 2.71 | 2.71 | 2.71 | 2.80 | 2.80 | 2.79 | 2.79 | 2.79 |
| | 115°F 46°C | TC | 17435 | 18092 | 18803 | 18929 | 19773 | 18623 | 18627 | 18790 | 18953 | 19795 | 19511 | 19529 | 19534 | 19535 | 19814 | 21175 | 21165 | 21198 | 21201 | 21212 |
| | | S/T | 0.92 | 1.00 | 1.00 | 1.00 | 1.00 | 0.72 | 0.86 | 0.98 | 1.00 | 1.00 | 0.59 | 0.73 | 0.84 | 0.86 | 1.00 | 0.40 | 0.50 | 0.61 | 0.63 | 0.75 |
| | | PI | 1.94 | 1.96 | 1.98 | 1.99 | 2.02 | 1.98 | 1.98 | 1.98 | 1.99 | 2.02 | 2.02 | 2.02 | 2.01 | 2.01 | 2.02 | 2.07 | 2.07 | 2.07 | 2.07 | 2.06 |
| | 122°F 50°C | TC | 10710 | 11297 | 11799 | 11889 | 12486 | 11206 | 11294 | 11813 | 11902 | 12499 | 11801 | 11800 | 11862 | 11897 | 12510 | 12915 | 12941 | 12947 | 12947 | 12940 |
| | | S/T | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.80 | 0.98 | 1.00 | 1.00 | 1.00 | 0.64 | 0.81 | 0.95 | 0.98 | 1.00 | 0.41 | 0.54 | 0.67 | 0.69 | 0.84 |
| | | PI | 1.07 | 1.08 | 1.09 | 1.09 | 1.10 | 1.08 | 1.08 | 1.09 | 1.09 | 1.10 | 1.09 | 1.09 | 1.09 | 1.09 | 1.10 | 1.12 | 1.11 | 1.11 | 1.11 | 1.11 |

**Manufacturer reserves the right to change, at any time, specifications and designs without notice and without obligations.**

## Table 22 – 30K Cooling — 37MURA + 45MULA (36B) (Continued)

| Airflow CFM | Out-door DB °F | ID WB °F | 60.8°F (16.0°C) | | | | | 64.4°F (16.0°C) | | | | | 67.0°F (19.4°C) | | | | | 71.6°F (22.0°C) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ID DB °F | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C |
| 882 | -13°F 25°C | TC | 31278 | 31264 | 31710 | 31841 | 32718 | 32634 | 32608 | 32587 | 32584 | 32557 | 33610 | 33568 | 33536 | 33531 | 33499 | 35452 | 35443 | 35370 | 35357 | 35282 |
| | | S/T | 0.80 | 0.91 | 1.00 | 1.00 | 1.00 | 0.65 | 0.75 | 0.85 | 0.86 | 0.97 | 0.55 | 0.65 | 0.74 | 0.76 | 0.86 | 0.39 | 0.47 | 0.56 | 0.57 | 0.67 |
| | | PI | 1.64 | 1.65 | 1.64 | 1.64 | 1.64 | 1.64 | 1.64 | 1.64 | 1.64 | 1.64 | 1.63 | 1.63 | 1.64 | 1.64 | 1.64 | 1.64 | 1.64 | 1.64 | 1.64 | 1.64 |
| | -4°F 20°C | TC | 33684 | 33669 | 34149 | 34291 | 35235 | 35145 | 35116 | 35094 | 35090 | 35061 | 36196 | 36150 | 36116 | 36111 | 36076 | 38179 | 38169 | 38091 | 38076 | 37996 |
| | | S/T | 0.80 | 0.92 | 1.00 | 1.00 | 1.00 | 0.65 | 0.76 | 0.85 | 0.87 | 0.98 | 0.55 | 0.65 | 0.74 | 0.76 | 0.86 | 0.39 | 0.48 | 0.56 | 0.57 | 0.67 |
| | | PI | 1.70 | 1.70 | 1.70 | 1.70 | 1.70 | 1.69 | 1.69 | 1.70 | 1.70 | 1.70 | 1.69 | 1.69 | 1.69 | 1.69 | 1.69 | 1.70 | 1.70 | 1.70 | 1.70 | 1.70 |
| | 0°F 17.8°C | TC | 34802 | 34782 | 35427 | 35575 | 36552 | 36295 | 36255 | 36227 | 36222 | 36587 | 37362 | 37309 | 37262 | 37257 | 37239 | 39371 | 39362 | 39358 | 39364 | 39389 |
| | | S/T | 0.81 | 0.93 | 1.00 | 1.00 | 1.00 | 0.66 | 0.77 | 0.86 | 0.88 | 1.00 | 0.55 | 0.66 | 0.75 | 0.77 | 0.87 | 0.39 | 0.48 | 0.57 | 0.58 | 0.68 |
| | | PI | 1.72 | 1.72 | 1.72 | 1.72 | 1.72 | 1.72 | 1.72 | 1.72 | 1.72 | 1.72 | 1.72 | 1.72 | 1.72 | 1.72 | 1.72 | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 |
| | 5°F 15°C | TC | 35800 | 35923 | 36744 | 36914 | 38052 | 37479 | 37488 | 37491 | 37530 | 38089 | 38678 | 38687 | 38695 | 38697 | 38748 | 40946 | 40934 | 40955 | 40960 | 40978 |
| | | S/T | 0.82 | 0.94 | 1.00 | 1.00 | 1.00 | 0.66 | 0.78 | 0.87 | 0.88 | 1.00 | 0.56 | 0.67 | 0.76 | 0.78 | 0.88 | 0.39 | 0.48 | 0.57 | 0.59 | 0.69 |
| | | PI | 1.73 | 1.73 | 1.73 | 1.74 | 1.75 | 1.74 | 1.74 | 1.74 | 1.74 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.79 | 1.79 | 1.79 | 1.79 | 1.79 |
| | 14°F 10°C | TC | 35066 | 35048 | 35764 | 35931 | 37046 | 36807 | 36774 | 36749 | 36745 | 37089 | 38068 | 38020 | 37982 | 37976 | 37937 | 40478 | 40466 | 40388 | 40374 | 40288 |
| | | S/T | 0.81 | 0.93 | 1.00 | 1.00 | 1.00 | 0.65 | 0.76 | 0.86 | 0.87 | 1.00 | 0.55 | 0.66 | 0.75 | 0.76 | 0.87 | 0.39 | 0.48 | 0.56 | 0.57 | 0.67 |
| | | PI | 1.81 | 1.81 | 1.81 | 1.81 | 1.81 | 1.81 | 1.81 | 1.81 | 1.81 | 1.81 | 1.81 | 1.81 | 1.81 | 1.81 | 1.81 | 1.81 | 1.81 | 1.81 | 1.81 | 1.82 |
| | 17°F 10°C | TC | 34740 | 34854 | 35659 | 35833 | 36997 | 36470 | 36485 | 36491 | 36522 | 37037 | 37714 | 37729 | 37744 | 37745 | 37792 | 40110 | 40099 | 40093 | 40100 | 40134 |
| | | S/T | 0.82 | 0.93 | 1.00 | 1.00 | 1.00 | 0.66 | 0.77 | 0.87 | 0.88 | 1.00 | 0.55 | 0.66 | 0.76 | 0.77 | 0.87 | 0.39 | 0.48 | 0.57 | 0.58 | 0.68 |
| | | PI | 1.82 | 1.82 | 1.82 | 1.82 | 1.82 | 1.82 | 1.82 | 1.82 | 1.82 | 1.82 | 1.82 | 1.82 | 1.83 | 1.83 | 1.83 | 1.84 | 1.84 | 1.84 | 1.84 | 1.84 |
| | 23°F 5°C | TC | 33752 | 33897 | 34774 | 34946 | 36097 | 35461 | 35472 | 35476 | 35522 | 36136 | 36684 | 36697 | 36706 | 36707 | 36767 | 39006 | 38994 | 39022 | 39027 | 39050 |
| | | S/T | 0.83 | 0.95 | 1.00 | 1.00 | 1.00 | 0.66 | 0.78 | 0.88 | 0.89 | 1.00 | 0.56 | 0.67 | 0.76 | 0.78 | 0.89 | 0.39 | 0.48 | 0.57 | 0.59 | 0.69 |
| | | PI | 1.80 | 1.80 | 1.81 | 1.81 | 1.82 | 1.81 | 1.81 | 1.81 | 1.82 | 1.82 | 1.83 | 1.83 | 1.83 | 1.83 | 1.83 | 1.86 | 1.86 | 1.86 | 1.86 | 1.86 |
| | 35°F 1.7°C | TC | 32082 | 32083 | 32271 | 32361 | 33405 | 33581 | 33580 | 33583 | 33583 | 33672 | 34632 | 34630 | 34632 | 34633 | 34636 | 36582 | 36574 | 36572 | 36570 | 36574 |
| | | S/T | 0.78 | 0.88 | 0.97 | 0.99 | 1.00 | 0.63 | 0.73 | 0.82 | 0.83 | 0.93 | 0.54 | 0.63 | 0.72 | 0.73 | 0.83 | 0.39 | 0.46 | 0.54 | 0.56 | 0.65 |
| | | PI | 1.66 | 1.66 | 1.67 | 1.67 | 1.74 | 1.76 | 1.76 | 1.76 | 1.76 | 1.76 | 1.83 | 1.83 | 1.83 | 1.83 | 1.83 | 1.99 | 1.99 | 1.99 | 1.99 | 1.99 |
| | 41°F 5°C | TC | 31478 | 31479 | 31729 | 31950 | 32894 | 32943 | 32942 | 32943 | 32944 | 33059 | 33970 | 33968 | 33970 | 33970 | 33973 | 35876 | 35867 | 35865 | 35863 | 35867 |
| | | S/T | 0.78 | 0.89 | 0.98 | 1.00 | 1.00 | 0.64 | 0.74 | 0.83 | 0.84 | 0.94 | 0.54 | 0.64 | 0.72 | 0.74 | 0.84 | 0.39 | 0.47 | 0.55 | 0.56 | 0.66 |
| | | PI | 1.65 | 1.65 | 1.67 | 1.68 | 1.75 | 1.76 | 1.76 | 1.76 | 1.76 | 1.76 | 1.84 | 1.84 | 1.84 | 1.84 | 1.84 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 |
| | 47°F 8.3°C | TC | 30874 | 30894 | 31309 | 31449 | 32379 | 32305 | 32304 | 32305 | 32305 | 32454 | 33309 | 33306 | 33308 | 33308 | 33308 | 35173 | 35165 | 35162 | 35160 | 35164 |
| | | S/T | 0.79 | 0.90 | 1.00 | 1.00 | 1.00 | 0.64 | 0.75 | 0.84 | 0.85 | 0.96 | 0.54 | 0.65 | 0.73 | 0.75 | 0.85 | 0.39 | 0.47 | 0.55 | 0.57 | 0.67 |
| | | PI | 1.65 | 1.65 | 1.68 | 1.69 | 1.76 | 1.76 | 1.76 | 1.76 | 1.76 | 1.77 | 1.84 | 1.84 | 1.84 | 1.84 | 1.84 | 2.01 | 2.01 | 2.01 | 2.01 | 2.01 |
| | 50°F 10°C | TC | 29852 | 30674 | 31709 | 31893 | 33130 | 31538 | 31555 | 31773 | 31873 | 33161 | 32768 | 32811 | 32828 | 32830 | 33145 | 35027 | 35119 | 35210 | 35220 | 35264 |
| | | S/T | 0.90 | 1.00 | 1.00 | 1.00 | 1.00 | 0.71 | 0.85 | 0.96 | 0.99 | 1.00 | 0.59 | 0.72 | 0.83 | 0.85 | 0.99 | 0.40 | 0.50 | 0.60 | 0.62 | 0.74 |
| | | PI | 1.87 | 1.87 | 1.87 | 1.87 | 1.87 | 1.87 | 1.87 | 1.87 | 1.87 | 1.87 | 1.87 | 1.87 | 1.87 | 1.87 | 1.87 | 1.87 | 1.86 | 1.86 | 1.86 | 1.86 |
| | 59°F 15°C | TC | 28452 | 29450 | 30495 | 30681 | 31929 | 30103 | 30145 | 30486 | 30714 | 31961 | 31345 | 31377 | 31388 | 31434 | 31987 | 33659 | 33726 | 33793 | 33801 | 33829 |
| | | S/T | 0.92 | 1.00 | 1.00 | 1.00 | 1.00 | 0.73 | 0.86 | 1.00 | 1.00 | 1.00 | 0.60 | 0.73 | 0.85 | 0.86 | 1.00 | 0.40 | 0.51 | 0.61 | 0.63 | 0.76 |
| | | PI | 1.93 | 1.94 | 1.94 | 1.94 | 1.95 | 1.94 | 1.94 | 1.94 | 1.94 | 1.95 | 1.95 | 1.95 | 1.95 | 1.95 | 1.95 | 1.96 | 1.96 | 1.96 | 1.96 | 1.96 |
| | 68°F 20°C | TC | 27047 | 28202 | 29247 | 29433 | 30682 | 28634 | 28698 | 29279 | 29465 | 30713 | 29872 | 29894 | 29948 | 29974 | 30738 | 32187 | 32246 | 32297 | 32302 | 32319 |
| | | S/T | 0.95 | 1.00 | 1.00 | 1.00 | 1.00 | 0.74 | 0.89 | 1.00 | 1.00 | 1.00 | 0.61 | 0.75 | 0.87 | 0.89 | 1.00 | 0.40 | 0.51 | 0.63 | 0.65 | 0.78 |
| | | PI | 2.00 | 2.01 | 2.02 | 2.02 | 2.03 | 2.01 | 2.01 | 2.02 | 2.02 | 2.03 | 2.03 | 2.03 | 2.03 | 2.03 | 2.04 | 2.06 | 2.06 | 2.05 | 2.05 | 2.05 |
| | 77°F 25°C | TC | 25631 | 26865 | 27917 | 28103 | 29359 | 27172 | 27259 | 27947 | 28134 | 29388 | 28403 | 28435 | 28508 | 28540 | 29413 | 30677 | 30770 | 30841 | 30848 | 30877 |
| | | S/T | 0.97 | 1.00 | 1.00 | 1.00 | 1.00 | 0.75 | 0.90 | 1.00 | 1.00 | 1.00 | 0.61 | 0.76 | 0.88 | 0.90 | 1.00 | 0.40 | 0.52 | 0.63 | 0.65 | 0.79 |
| | | PI | 2.08 | 2.09 | 2.10 | 2.10 | 2.11 | 2.10 | 2.10 | 2.10 | 2.10 | 2.11 | 2.11 | 2.11 | 2.11 | 2.11 | 2.11 | 2.13 | 2.13 | 2.13 | 2.13 | 2.13 |
| | 82°F 27.8°C | TC | 25823 | 27142 | 28236 | 28428 | 29730 | 27365 | 27470 | 28261 | 28460 | 29761 | 28638 | 28674 | 28763 | 28798 | 29787 | 30963 | 31080 | 31161 | 31169 | 31203 |
| | | S/T | 0.99 | 1.00 | 1.00 | 1.00 | 1.00 | 0.76 | 0.91 | 1.00 | 1.00 | 1.00 | 0.62 | 0.77 | 0.89 | 0.92 | 1.00 | 0.40 | 0.52 | 0.64 | 0.66 | 0.80 |
| | | PI | 2.25 | 2.26 | 2.27 | 2.28 | 2.29 | 2.27 | 2.27 | 2.27 | 2.28 | 2.29 | 2.28 | 2.28 | 2.28 | 2.28 | 2.29 | 2.30 | 2.30 | 2.30 | 2.30 | 2.30 |
| | 86°F 30°C | TC | 27299 | 28662 | 29834 | 30042 | 31441 | 28789 | 28922 | 29867 | 30077 | 31474 | 30154 | 30188 | 30299 | 30343 | 31501 | 32645 | 32771 | 32849 | 32857 | 32887 |
| | | S/T | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.77 | 0.93 | 1.00 | 1.00 | 1.00 | 0.62 | 0.78 | 0.91 | 0.93 | 1.00 | 0.40 | 0.52 | 0.64 | 0.66 | 0.81 |
| | | PI | 2.54 | 2.56 | 2.57 | 2.57 | 2.58 | 2.56 | 2.56 | 2.57 | 2.57 | 2.58 | 2.57 | 2.57 | 2.57 | 2.57 | 2.58 | 2.61 | 2.60 | 2.60 | 2.60 | 2.60 |
| | 95°F 35°C | TC | 30429 | 30593 | 31582 | 31769 | 33024 | 32339 | 32358 | 32368 | 32407 | 33066 | 33727 | 33734 | 33755 | 33758 | 33814 | 36343 | 36329 | 36336 | 36347 | 36395 |
| | | S/T | 0.83 | 0.95 | 1.00 | 1.00 | 1.00 | 0.66 | 0.78 | 0.88 | 0.89 | 1.00 | 0.56 | 0.67 | 0.76 | 0.78 | 0.88 | 0.39 | 0.48 | 0.57 | 0.58 | 0.68 |
| | | PI | 3.07 | 3.08 | 3.13 | 3.14 | 3.20 | 3.17 | 3.17 | 3.17 | 3.17 | 3.20 | 3.24 | 3.24 | 3.24 | 3.24 | 3.24 | 3.37 | 3.37 | 3.37 | 3.37 | 3.37 |
| | 104°F 40°C | TC | 29838 | 30112 | 31245 | 31433 | 32687 | 31718 | 31736 | 31792 | 31826 | 32727 | 33072 | 33085 | 33102 | 33104 | 33198 | 35646 | 35633 | 35649 | 35661 | 35699 |
| | | S/T | 0.85 | 0.98 | 1.00 | 1.00 | 1.00 | 0.68 | 0.80 | 0.90 | 0.92 | 1.00 | 0.56 | 0.68 | 0.78 | 0.80 | 0.91 | 0.39 | 0.48 | 0.58 | 0.59 | 0.70 |
| | | PI | 3.21 | 3.22 | 3.28 | 3.29 | 3.36 | 3.31 | 3.31 | 3.31 | 3.31 | 3.36 | 3.38 | 3.38 | 3.38 | 3.38 | 3.39 | 3.52 | 3.52 | 3.52 | 3.52 | 3.52 |
| | 110°F 43°C | TC | 29371 | 30499 | 31663 | 31868 | 33249 | 31270 | 31279 | 31628 | 31905 | 33283 | 32677 | 32703 | 32711 | 32736 | 33312 | 35369 | 35371 | 35426 | 35432 | 35452 |
| | | S/T | 0.92 | 1.00 | 1.00 | 1.00 | 1.00 | 0.72 | 0.87 | 0.99 | 1.00 | 1.00 | 0.60 | 0.73 | 0.85 | 0.86 | 1.00 | 0.40 | 0.51 | 0.61 | 0.63 | 0.76 |
| | | PI | 3.33 | 3.38 | 3.42 | 3.43 | 3.49 | 3.41 | 3.41 | 3.42 | 3.43 | 3.49 | 3.47 | 3.47 | 3.47 | 3.47 | 3.49 | 3.58 | 3.58 | 3.58 | 3.58 | 3.58 |
| | 115°F 46°C | TC | 22657 | 23749 | 24687 | 24871 | 25966 | 24095 | 24143 | 24715 | 24903 | 25993 | 25218 | 25233 | 25268 | 25293 | 26015 | 27344 | 27364 | 27402 | 27406 | 27414 |
| | | S/T | 0.96 | 1.00 | 1.00 | 1.00 | 1.00 | 0.75 | 0.89 | 1.00 | 1.00 | 1.00 | 0.61 | 0.75 | 0.87 | 0.90 | 1.00 | 0.40 | 0.52 | 0.63 | 0.65 | 0.78 |
| | | PI | 2.49 | 2.53 | 2.56 | 2.57 | 2.60 | 2.54 | 2.54 | 2.56 | 2.58 | 2.60 | 2.58 | 2.58 | 2.58 | 2.58 | 2.61 | 2.66 | 2.66 | 2.65 | 2.65 | 2.65 |
| | 122°F 50°C | TC | 13893 | 14659 | 15316 | 15430 | 16209 | 14336 | 14675 | 15333 | 15447 | 16225 | 15097 | 15093 | 15344 | 15459 | 16234 | 16485 | 16549 | 16553 | 16551 | 16573 |
| | | S/T | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.84 | 1.00 | 1.00 | 1.00 | 1.00 | 0.67 | 0.85 | 1.00 | 1.00 | 1.00 | 0.41 | 0.55 | 0.69 | 0.72 | 0.88 |
| | | PI | 1.38 | 1.39 | 1.40 | 1.40 | 1.41 | 1.38 | 1.39 | 1.40 | 1.40 | 1.41 | 1.40 | 1.40 | 1.40 | 1.40 | 1.41 | 1.43 | 1.42 | 1.42 | 1.42 | 1.42 |

## Table 23 – 30K Cooling — 37MURA + 45MULA (36C)

| Airflow CFM | Out-door DB °F | ID WB °F | 60.8°F (16.0°C) | | | | | 64.4°F (16.0°C) | | | | | 67.0°F (19.4°C) | | | | | 71.6°F (22.0°C) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ID DB °F | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C |
| 662 | -13°F 25°C | TC | 24142 | 24133 | 24126 | 24267 | 24981 | 25205 | 25191 | 25179 | 25178 | 25160 | 25957 | 25943 | 25926 | 25923 | 25905 | 27381 | 27374 | 27354 | 27347 | 27306 |
| | | S/T | 0.77 | 0.88 | 0.97 | 1.00 | 1.00 | 0.63 | 0.73 | 0.81 | 0.83 | 0.93 | 0.54 | 0.63 | 0.71 | 0.73 | 0.83 | 0.39 | 0.46 | 0.54 | 0.56 | 0.65 |
| | | PI | 1.29 | 1.29 | 1.29 | 1.29 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| | -4°F 20°C | TC | 25999 | 25990 | 25982 | 26133 | 26903 | 27143 | 27129 | 27116 | 27114 | 27096 | 27954 | 27939 | 27921 | 27917 | 27898 | 29488 | 29480 | 29458 | 29451 | 29407 |
| | | S/T | 0.78 | 0.88 | 0.97 | 1.00 | 1.00 | 0.63 | 0.73 | 0.82 | 0.83 | 0.93 | 0.54 | 0.64 | 0.72 | 0.73 | 0.83 | 0.39 | 0.47 | 0.55 | 0.56 | 0.65 |
| | | PI | 1.33 | 1.33 | 1.33 | 1.33 | 1.33 | 1.32 | 1.32 | 1.33 | 1.33 | 1.33 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 | 1.33 | 1.33 | 1.33 | 1.33 | 1.33 |
| | 0°F 17.8°C | TC | 26857 | 26845 | 26949 | 27154 | 27906 | 28028 | 28007 | 27990 | 27988 | 27983 | 28850 | 28833 | 28807 | 28803 | 28777 | 30405 | 30396 | 30397 | 30400 | 30423 |
| | | S/T | 0.78 | 0.89 | 0.99 | 1.00 | 1.00 | 0.64 | 0.74 | 0.83 | 0.84 | 0.95 | 0.54 | 0.64 | 0.73 | 0.74 | 0.84 | 0.39 | 0.47 | 0.55 | 0.57 | 0.66 |
| | | PI | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.35 | 1.35 | 1.35 | 1.35 | 1.35 |
| | 5°F 15°C | TC | 27647 | 27672 | 28045 | 28173 | 29035 | 28961 | 28967 | 28971 | 28971 | 29114 | 29909 | 29907 | 29915 | 29916 | 29919 | 31696 | 31687 | 31687 | 31690 | 31707 |
| | | S/T | 0.79 | 0.90 | 1.00 | 1.00 | 1.00 | 0.64 | 0.75 | 0.84 | 0.85 | 0.96 | 0.54 | 0.65 | 0.73 | 0.75 | 0.85 | 0.39 | 0.47 | 0.55 | 0.57 | 0.66 |
| | | PI | 1.36 | 1.36 | 1.36 | 1.36 | 1.36 | 1.36 | 1.36 | 1.36 | 1.36 | 1.36 | 1.37 | 1.37 | 1.37 | 1.37 | 1.37 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 |
| | 14°F 10°C | TC | 27059 | 27049 | 27161 | 27399 | 28249 | 28417 | 28401 | 28387 | 28385 | 28370 | 29399 | 29386 | 29363 | 29359 | 29334 | 31248 | 31239 | 31216 | 31209 | 31161 |
| | | S/T | 0.78 | 0.89 | 0.99 | 1.00 | 1.00 | 0.64 | 0.74 | 0.82 | 0.84 | 0.94 | 0.54 | 0.64 | 0.72 | 0.74 | 0.83 | 0.39 | 0.47 | 0.55 | 0.56 | 0.65 |
| | | PI | 1.42 | 1.42 | 1.42 | 1.42 | 1.41 | 1.41 | 1.41 | 1.41 | 1.41 | 1.41 | 1.41 | 1.41 | 1.41 | 1.41 | 1.41 | 1.41 | 1.41 | 1.42 | 1.42 | 1.42 |
| | 17°F 10°C | TC | 26898 | 26904 | 27234 | 27391 | 28273 | 28248 | 28250 | 28256 | 28257 | 28391 | 29149 | 29160 | 29179 | 29180 | 29188 | 31088 | 31078 | 31081 | 31087 | 31116 |
| | | S/T | 0.79 | 0.89 | 1.00 | 1.00 | 1.00 | 0.64 | 0.74 | 0.83 | 0.85 | 0.95 | 0.55 | 0.65 | 0.73 | 0.75 | 0.85 | 0.39 | 0.47 | 0.55 | 0.57 | 0.66 |
| | | PI | 1.43 | 1.43 | 1.43 | 1.43 | 1.42 | 1.42 | 1.42 | 1.42 | 1.42 | 1.42 | 1.42 | 1.42 | 1.42 | 1.42 | 1.42 | 1.43 | 1.43 | 1.43 | 1.43 | 1.44 |
| | 23°F 5°C | TC | 26065 | 26101 | 26526 | 26656 | 27528 | 27403 | 27410 | 27414 | 27414 | 27576 | 28369 | 28368 | 28377 | 28378 | 28383 | 30198 | 30189 | 30190 | 30194 | 30215 |
| | | S/T | 0.80 | 0.91 | 1.00 | 1.00 | 1.00 | 0.65 | 0.75 | 0.84 | 0.86 | 0.97 | 0.54 | 0.65 | 0.74 | 0.75 | 0.85 | 0.39 | 0.47 | 0.56 | 0.57 | 0.66 |
| | | PI | 1.41 | 1.41 | 1.41 | 1.41 | 1.42 | 1.42 | 1.42 | 1.42 | 1.42 | 1.42 | 1.43 | 1.43 | 1.43 | 1.43 | 1.43 | 1.45 | 1.45 | 1.45 | 1.45 | 1.45 |
| | 35°F 1.7°C | TC | 24756 | 24757 | 24805 | 24833 | 25471 | 25944 | 25941 | 25942 | 25942 | 25943 | 26778 | 26776 | 26773 | 26773 | 26776 | 28329 | 28322 | 28316 | 28320 | 28315 |
| | | S/T | 0.75 | 0.85 | 0.93 | 0.94 | 1.00 | 0.62 | 0.71 | 0.79 | 0.80 | 0.89 | 0.53 | 0.62 | 0.69 | 0.71 | 0.80 | 0.39 | 0.46 | 0.53 | 0.54 | 0.63 |
| | | PI | 1.29 | 1.29 | 1.30 | 1.30 | 1.34 | 1.37 | 1.37 | 1.37 | 1.37 | 1.37 | 1.43 | 1.43 | 1.43 | 1.43 | 1.43 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 |
| | 41°F 5°C | TC | 24292 | 24293 | 24360 | 24393 | 25085 | 25452 | 25449 | 25450 | 25450 | 25473 | 26267 | 26264 | 26262 | 26262 | 26265 | 27779 | 27772 | 27766 | 27769 | 27765 |
| | | S/T | 0.76 | 0.86 | 0.94 | 0.96 | 1.00 | 0.62 | 0.72 | 0.80 | 0.81 | 0.90 | 0.53 | 0.62 | 0.70 | 0.71 | 0.81 | 0.39 | 0.46 | 0.53 | 0.55 | 0.64 |
| | | PI | 1.29 | 1.29 | 1.30 | 1.30 | 1.34 | 1.37 | 1.37 | 1.37 | 1.37 | 1.37 | 1.43 | 1.43 | 1.43 | 1.43 | 1.43 | 1.56 | 1.56 | 1.56 | 1.56 | 1.56 |
| | 47°F 8.3°C | TC | 23826 | 23826 | 23918 | 23959 | 24697 | 24960 | 24956 | 24957 | 24957 | 24995 | 25755 | 25752 | 25750 | 25750 | 25752 | 27233 | 27226 | 27224 | 27223 | 27219 |
| | | S/T | 0.77 | 0.87 | 0.95 | 0.97 | 1.00 | 0.63 | 0.72 | 0.81 | 0.82 | 0.91 | 0.53 | 0.63 | 0.71 | 0.72 | 0.82 | 0.39 | 0.46 | 0.54 | 0.55 | 0.64 |
| | | PI | 1.29 | 1.29 | 1.29 | 1.30 | 1.35 | 1.37 | 1.37 | 1.37 | 1.37 | 1.38 | 1.44 | 1.44 | 1.44 | 1.44 | 1.44 | 1.57 | 1.57 | 1.57 | 1.57 | 1.57 |
| | 50°F 10°C | TC | 23019 | 23395 | 24177 | 24315 | 25247 | 24372 | 24386 | 24465 | 24497 | 25276 | 25331 | 25364 | 25379 | 25380 | 25495 | 27156 | 27170 | 27235 | 27243 | 27279 |
| | | S/T | 0.87 | 1.00 | 1.00 | 1.00 | 1.00 | 0.69 | 0.81 | 0.92 | 0.94 | 1.00 | 0.57 | 0.69 | 0.80 | 0.81 | 0.93 | 0.39 | 0.49 | 0.58 | 0.60 | 0.71 |
| | | PI | 1.46 | 1.46 | 1.46 | 1.46 | 1.46 | 1.46 | 1.46 | 1.46 | 1.46 | 1.46 | 1.46 | 1.46 | 1.46 | 1.46 | 1.46 | 1.46 | 1.46 | 1.46 | 1.46 | 1.45 |
| | 59°F 15°C | TC | 21926 | 22454 | 23244 | 23384 | 24325 | 23264 | 23274 | 23389 | 23434 | 24353 | 24230 | 24255 | 24265 | 24266 | 24427 | 26080 | 26087 | 26138 | 26144 | 26169 |
| | | S/T | 0.88 | 1.00 | 1.00 | 1.00 | 1.00 | 0.70 | 0.83 | 0.94 | 0.97 | 1.00 | 0.58 | 0.71 | 0.81 | 0.83 | 0.96 | 0.39 | 0.50 | 0.59 | 0.61 | 0.73 |
| | | PI | 1.51 | 1.51 | 1.51 | 1.52 | 1.52 | 1.52 | 1.52 | 1.52 | 1.52 | 1.52 | 1.52 | 1.52 | 1.52 | 1.52 | 1.52 | 1.53 | 1.53 | 1.53 | 1.53 | 1.53 |
| | 68°F 20°C | TC | 20858 | 21531 | 22323 | 22464 | 23409 | 22162 | 22169 | 22342 | 22488 | 23435 | 23127 | 23146 | 23152 | 23153 | 23416 | 24972 | 24980 | 25020 | 25025 | 25042 |
| | | S/T | 0.91 | 1.00 | 1.00 | 1.00 | 1.00 | 0.72 | 0.85 | 0.97 | 1.00 | 1.00 | 0.59 | 0.72 | 0.84 | 0.86 | 0.99 | 0.40 | 0.50 | 0.61 | 0.62 | 0.75 |
| | | PI | 1.56 | 1.57 | 1.57 | 1.58 | 1.58 | 1.57 | 1.57 | 1.57 | 1.58 | 1.59 | 1.58 | 1.58 | 1.58 | 1.58 | 1.59 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 |
| | 77°F 25°C | TC | 19758 | 20515 | 21311 | 21452 | 22400 | 21043 | 21053 | 21295 | 21477 | 22426 | 22003 | 22029 | 22039 | 22064 | 22447 | 23831 | 23852 | 23906 | 23912 | 23937 |
| | | S/T | 0.92 | 1.00 | 1.00 | 1.00 | 1.00 | 0.72 | 0.87 | 0.99 | 1.00 | 1.00 | 0.59 | 0.73 | 0.85 | 0.86 | 1.00 | 0.40 | 0.51 | 0.61 | 0.63 | 0.76 |
| | | PI | 1.62 | 1.63 | 1.64 | 1.64 | 1.65 | 1.64 | 1.64 | 1.64 | 1.64 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 |
| | 82°F 27.8°C | TC | 19891 | 20734 | 21560 | 21707 | 22694 | 21203 | 21238 | 21586 | 21733 | 22720 | 22195 | 22225 | 22236 | 22271 | 22741 | 24075 | 24106 | 24166 | 24173 | 24201 |
| | | S/T | 0.94 | 1.00 | 1.00 | 1.00 | 1.00 | 0.73 | 0.87 | 1.00 | 1.00 | 1.00 | 0.60 | 0.74 | 0.86 | 0.87 | 1.00 | 0.40 | 0.51 | 0.62 | 0.63 | 0.76 |
| | | PI | 1.76 | 1.76 | 1.77 | 1.77 | 1.78 | 1.77 | 1.77 | 1.77 | 1.77 | 1.78 | 1.78 | 1.78 | 1.78 | 1.78 | 1.78 | 1.80 | 1.80 | 1.80 | 1.80 | 1.79 |
| | 86°F 30°C | TC | 20915 | 21883 | 22771 | 22928 | 23997 | 22296 | 22342 | 22798 | 22956 | 24015 | 23359 | 23387 | 23424 | 23445 | 24038 | 25367 | 25404 | 25463 | 25470 | 25496 |
| | | S/T | 0.95 | 1.00 | 1.00 | 1.00 | 1.00 | 0.74 | 0.88 | 1.00 | 1.00 | 1.00 | 0.60 | 0.75 | 0.86 | 0.88 | 1.00 | 0.40 | 0.51 | 0.62 | 0.64 | 0.77 |
| | | PI | 1.98 | 1.99 | 2.00 | 2.00 | 2.02 | 2.00 | 2.00 | 2.00 | 2.00 | 2.01 | 2.01 | 2.01 | 2.01 | 2.01 | 2.01 | 2.03 | 2.03 | 2.03 | 2.03 | 2.03 |
| | 95°F 35°C | TC | 23497 | 23539 | 24044 | 24186 | 25134 | 25000 | 25006 | 25015 | 25016 | 25185 | 26079 | 26082 | 26095 | 26098 | 26109 | 28153 | 28143 | 28146 | 28145 | 28166 |
| | | S/T | 0.80 | 0.91 | 1.00 | 1.00 | 1.00 | 0.65 | 0.75 | 0.84 | 0.86 | 0.96 | 0.54 | 0.65 | 0.73 | 0.75 | 0.85 | 0.39 | 0.47 | 0.55 | 0.56 | 0.66 |
| | | PI | 2.40 | 2.40 | 2.42 | 2.43 | 2.48 | 2.47 | 2.47 | 2.47 | 2.47 | 2.48 | 2.53 | 2.53 | 2.53 | 2.53 | 2.53 | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 |
| | 104°F 40°C | TC | 23039 | 23122 | 23788 | 23928 | 24877 | 24514 | 24522 | 24528 | 24529 | 24853 | 25573 | 25577 | 25591 | 25593 | 25601 | 27605 | 27595 | 27601 | 27596 | 27622 |
| | | S/T | 0.82 | 0.94 | 1.00 | 1.00 | 1.00 | 0.66 | 0.77 | 0.86 | 0.88 | 1.00 | 0.55 | 0.66 | 0.75 | 0.77 | 0.87 | 0.39 | 0.47 | 0.56 | 0.58 | 0.67 |
| | | PI | 2.51 | 2.51 | 2.54 | 2.55 | 2.60 | 2.58 | 2.58 | 2.58 | 2.58 | 2.60 | 2.64 | 2.64 | 2.64 | 2.64 | 2.64 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 |
| | 110°F 43°C | TC | 22617 | 23229 | 24110 | 24266 | 25309 | 24161 | 24170 | 24275 | 24322 | 25337 | 25265 | 25280 | 25288 | 25289 | 25436 | 27386 | 27374 | 27402 | 27406 | 27427 |
| | | S/T | 0.89 | 1.00 | 1.00 | 1.00 | 1.00 | 0.70 | 0.83 | 0.94 | 0.96 | 1.00 | 0.58 | 0.70 | 0.81 | 0.83 | 0.96 | 0.39 | 0.49 | 0.59 | 0.61 | 0.73 |
| | | PI | 2.60 | 2.62 | 2.66 | 2.66 | 2.71 | 2.66 | 2.66 | 2.67 | 2.67 | 2.71 | 2.71 | 2.71 | 2.71 | 2.71 | 2.71 | 2.80 | 2.80 | 2.79 | 2.79 | 2.79 |
| | 115°F 46°C | TC | 17435 | 18092 | 18803 | 18929 | 19773 | 18623 | 18627 | 18790 | 18953 | 19795 | 19511 | 19529 | 19534 | 19535 | 19814 | 21175 | 21165 | 21198 | 21201 | 21212 |
| | | S/T | 0.92 | 1.00 | 1.00 | 1.00 | 1.00 | 0.72 | 0.86 | 0.98 | 1.00 | 1.00 | 0.59 | 0.73 | 0.84 | 0.86 | 1.00 | 0.40 | 0.50 | 0.61 | 0.63 | 0.75 |
| | | PI | 1.94 | 1.96 | 1.98 | 1.99 | 2.02 | 1.98 | 1.98 | 1.98 | 1.99 | 2.02 | 2.02 | 2.02 | 2.01 | 2.01 | 2.02 | 2.07 | 2.07 | 2.07 | 2.07 | 2.06 |
| | 122°F 50°C | TC | 10710 | 11297 | 11799 | 11889 | 12486 | 11206 | 11294 | 11813 | 11902 | 12499 | 11801 | 11800 | 11862 | 11897 | 12510 | 12915 | 12941 | 12947 | 12947 | 12940 |
| | | S/T | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.80 | 0.98 | 1.00 | 1.00 | 1.00 | 0.64 | 0.81 | 0.95 | 0.98 | 1.00 | 0.41 | 0.54 | 0.67 | 0.69 | 0.84 |
| | | PI | 1.07 | 1.08 | 1.09 | 1.09 | 1.10 | 1.08 | 1.08 | 1.09 | 1.09 | 1.10 | 1.09 | 1.09 | 1.09 | 1.09 | 1.10 | 1.12 | 1.11 | 1.11 | 1.11 | 1.11 |

## Table 23 – 30K Cooling — 37MURA + 45MULA (36C) (Continued)

| Airflow CFM | Out-door DB °F | ID WB °F | 60.8°F (16.0°C) | | | | | 64.4°F (16.0°C) | | | | | 67.0°F (19.4°C) | | | | | 71.6°F (22.0°C) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ID DB °F | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C |
| 882 | -13°F 25°C | TC | 31278 | 31264 | 31710 | 31841 | 32718 | 32634 | 32608 | 32587 | 32584 | 32557 | 33610 | 33568 | 33536 | 33531 | 33499 | 35452 | 35443 | 35370 | 35357 | 35282 |
| | | S/T | 0.80 | 0.91 | 1.00 | 1.00 | 1.00 | 0.65 | 0.75 | 0.85 | 0.86 | 0.97 | 0.55 | 0.65 | 0.74 | 0.76 | 0.86 | 0.39 | 0.47 | 0.56 | 0.57 | 0.67 |
| | | PI | 1.64 | 1.65 | 1.64 | 1.64 | 1.64 | 1.64 | 1.64 | 1.64 | 1.64 | 1.64 | 1.63 | 1.63 | 1.64 | 1.64 | 1.64 | 1.64 | 1.64 | 1.64 | 1.64 | 1.64 |
| | -4°F 20°C | TC | 33684 | 33669 | 34149 | 34291 | 35235 | 35145 | 35116 | 35094 | 35090 | 35061 | 36196 | 36150 | 36116 | 36111 | 36076 | 38179 | 38169 | 38091 | 38076 | 37996 |
| | | S/T | 0.80 | 0.92 | 1.00 | 1.00 | 1.00 | 0.65 | 0.76 | 0.85 | 0.87 | 0.98 | 0.55 | 0.65 | 0.74 | 0.76 | 0.86 | 0.39 | 0.48 | 0.56 | 0.57 | 0.67 |
| | | PI | 1.70 | 1.70 | 1.70 | 1.70 | 1.70 | 1.69 | 1.69 | 1.70 | 1.70 | 1.70 | 1.69 | 1.69 | 1.69 | 1.69 | 1.69 | 1.70 | 1.70 | 1.70 | 1.70 | 1.70 |
| | 0°F 17.8°C | TC | 34802 | 34782 | 35427 | 35575 | 36552 | 36295 | 36255 | 36227 | 36222 | 36587 | 37362 | 37309 | 37262 | 37257 | 37239 | 39371 | 39362 | 39358 | 39364 | 39389 |
| | | S/T | 0.81 | 0.93 | 1.00 | 1.00 | 1.00 | 0.66 | 0.77 | 0.86 | 0.88 | 1.00 | 0.55 | 0.66 | 0.75 | 0.77 | 0.87 | 0.39 | 0.48 | 0.57 | 0.58 | 0.68 |
| | | PI | 1.72 | 1.72 | 1.72 | 1.72 | 1.72 | 1.72 | 1.72 | 1.72 | 1.72 | 1.72 | 1.72 | 1.72 | 1.72 | 1.72 | 1.72 | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 |
| | 5°F 15°C | TC | 35800 | 35923 | 36744 | 36914 | 38052 | 37479 | 37488 | 37491 | 37530 | 38089 | 38678 | 38687 | 38695 | 38697 | 38748 | 40946 | 40934 | 40955 | 40960 | 40978 |
| | | S/T | 0.82 | 0.94 | 1.00 | 1.00 | 1.00 | 0.66 | 0.78 | 0.87 | 0.88 | 1.00 | 0.56 | 0.67 | 0.76 | 0.78 | 0.88 | 0.39 | 0.48 | 0.57 | 0.59 | 0.69 |
| | | PI | 1.73 | 1.73 | 1.73 | 1.74 | 1.75 | 1.74 | 1.74 | 1.74 | 1.74 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.79 | 1.79 | 1.79 | 1.79 | 1.79 |
| | 14°F 10°C | TC | 35066 | 35048 | 35764 | 35931 | 37046 | 36807 | 36774 | 36749 | 36745 | 37089 | 38068 | 38020 | 37982 | 37976 | 37937 | 40478 | 40466 | 40388 | 40374 | 40288 |
| | | S/T | 0.81 | 0.93 | 1.00 | 1.00 | 1.00 | 0.65 | 0.76 | 0.86 | 0.87 | 1.00 | 0.55 | 0.66 | 0.75 | 0.76 | 0.87 | 0.39 | 0.48 | 0.56 | 0.57 | 0.67 |
| | | PI | 1.81 | 1.81 | 1.81 | 1.81 | 1.81 | 1.81 | 1.81 | 1.81 | 1.81 | 1.81 | 1.81 | 1.81 | 1.81 | 1.81 | 1.81 | 1.81 | 1.81 | 1.81 | 1.81 | 1.82 |
| | 17°F 10°C | TC | 34740 | 34854 | 35659 | 35833 | 36997 | 36470 | 36485 | 36491 | 36522 | 37037 | 37714 | 37729 | 37744 | 37745 | 37792 | 40110 | 40099 | 40093 | 40100 | 40134 |
| | | S/T | 0.82 | 0.93 | 1.00 | 1.00 | 1.00 | 0.66 | 0.77 | 0.87 | 0.88 | 1.00 | 0.55 | 0.66 | 0.76 | 0.77 | 0.87 | 0.39 | 0.48 | 0.57 | 0.58 | 0.68 |
| | | PI | 1.82 | 1.82 | 1.82 | 1.82 | 1.82 | 1.82 | 1.82 | 1.82 | 1.82 | 1.82 | 1.82 | 1.82 | 1.83 | 1.83 | 1.83 | 1.84 | 1.84 | 1.84 | 1.84 | 1.84 |
| | 23°F 5°C | TC | 33752 | 33897 | 34774 | 34946 | 36097 | 35461 | 35472 | 35476 | 35522 | 36136 | 36684 | 36697 | 36706 | 36707 | 36767 | 39006 | 38994 | 39022 | 39027 | 39050 |
| | | S/T | 0.83 | 0.95 | 1.00 | 1.00 | 1.00 | 0.66 | 0.78 | 0.88 | 0.89 | 1.00 | 0.56 | 0.67 | 0.76 | 0.78 | 0.89 | 0.39 | 0.48 | 0.57 | 0.59 | 0.69 |
| | | PI | 1.80 | 1.80 | 1.81 | 1.81 | 1.82 | 1.81 | 1.81 | 1.81 | 1.82 | 1.82 | 1.83 | 1.83 | 1.83 | 1.83 | 1.83 | 1.86 | 1.86 | 1.86 | 1.86 | 1.86 |
| | 35°F 1.7°C | TC | 32082 | 32083 | 32271 | 32361 | 33405 | 33581 | 33580 | 33583 | 33583 | 33672 | 34632 | 34630 | 34632 | 34633 | 34636 | 36582 | 36574 | 36572 | 36570 | 36574 |
| | | S/T | 0.78 | 0.88 | 0.97 | 0.99 | 1.00 | 0.63 | 0.73 | 0.82 | 0.83 | 0.93 | 0.54 | 0.63 | 0.72 | 0.73 | 0.83 | 0.39 | 0.46 | 0.54 | 0.56 | 0.65 |
| | | PI | 1.66 | 1.66 | 1.67 | 1.67 | 1.74 | 1.76 | 1.76 | 1.76 | 1.76 | 1.76 | 1.83 | 1.83 | 1.83 | 1.83 | 1.83 | 1.99 | 1.99 | 1.99 | 1.99 | 1.99 |
| | 41°F 5°C | TC | 31478 | 31479 | 31729 | 31950 | 32894 | 32943 | 32942 | 32943 | 32944 | 33059 | 33970 | 33968 | 33970 | 33970 | 33973 | 35876 | 35867 | 35865 | 35863 | 35867 |
| | | S/T | 0.78 | 0.89 | 0.98 | 1.00 | 1.00 | 0.64 | 0.74 | 0.83 | 0.84 | 0.94 | 0.54 | 0.64 | 0.72 | 0.74 | 0.84 | 0.39 | 0.47 | 0.55 | 0.56 | 0.66 |
| | | PI | 1.65 | 1.65 | 1.67 | 1.68 | 1.75 | 1.76 | 1.76 | 1.76 | 1.76 | 1.76 | 1.84 | 1.84 | 1.84 | 1.84 | 1.84 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 |
| | 47°F 8.3°C | TC | 30874 | 30894 | 31309 | 31449 | 32379 | 32305 | 32304 | 32305 | 32305 | 32454 | 33309 | 33306 | 33308 | 33308 | 33308 | 35173 | 35165 | 35162 | 35160 | 35164 |
| | | S/T | 0.79 | 0.90 | 1.00 | 1.00 | 1.00 | 0.64 | 0.75 | 0.84 | 0.85 | 0.96 | 0.54 | 0.65 | 0.73 | 0.75 | 0.85 | 0.39 | 0.47 | 0.55 | 0.57 | 0.67 |
| | | PI | 1.65 | 1.65 | 1.68 | 1.69 | 1.76 | 1.76 | 1.76 | 1.76 | 1.76 | 1.77 | 1.84 | 1.84 | 1.84 | 1.84 | 1.84 | 2.01 | 2.01 | 2.01 | 2.01 | 2.01 |
| | 50°F 10°C | TC | 29852 | 30674 | 31709 | 31893 | 33130 | 31538 | 31555 | 31773 | 31873 | 33161 | 32768 | 32811 | 32828 | 32830 | 33145 | 35027 | 35119 | 35210 | 35220 | 35264 |
| | | S/T | 0.90 | 1.00 | 1.00 | 1.00 | 1.00 | 0.71 | 0.85 | 0.96 | 0.99 | 1.00 | 0.59 | 0.72 | 0.83 | 0.85 | 0.99 | 0.40 | 0.50 | 0.60 | 0.62 | 0.74 |
| | | PI | 1.87 | 1.87 | 1.87 | 1.87 | 1.87 | 1.87 | 1.87 | 1.87 | 1.87 | 1.87 | 1.87 | 1.87 | 1.87 | 1.87 | 1.87 | 1.87 | 1.86 | 1.86 | 1.86 | 1.86 |
| | 59°F 15°C | TC | 28452 | 29450 | 30495 | 30681 | 31929 | 30103 | 30145 | 30486 | 30714 | 31961 | 31345 | 31377 | 31388 | 31434 | 31987 | 33659 | 33726 | 33793 | 33801 | 33829 |
| | | S/T | 0.92 | 1.00 | 1.00 | 1.00 | 1.00 | 0.73 | 0.86 | 1.00 | 1.00 | 1.00 | 0.60 | 0.73 | 0.85 | 0.86 | 1.00 | 0.40 | 0.51 | 0.61 | 0.63 | 0.76 |
| | | PI | 1.93 | 1.94 | 1.94 | 1.94 | 1.95 | 1.94 | 1.94 | 1.94 | 1.94 | 1.95 | 1.95 | 1.95 | 1.95 | 1.95 | 1.95 | 1.96 | 1.96 | 1.96 | 1.96 | 1.96 |
| | 68°F 20°C | TC | 27047 | 28202 | 29247 | 29433 | 30682 | 28634 | 28698 | 29279 | 29465 | 30713 | 29872 | 29894 | 29948 | 29974 | 30738 | 32187 | 32246 | 32297 | 32302 | 32319 |
| | | S/T | 0.95 | 1.00 | 1.00 | 1.00 | 1.00 | 0.74 | 0.89 | 1.00 | 1.00 | 1.00 | 0.61 | 0.75 | 0.87 | 0.89 | 1.00 | 0.40 | 0.51 | 0.63 | 0.65 | 0.78 |
| | | PI | 2.00 | 2.01 | 2.02 | 2.02 | 2.03 | 2.01 | 2.01 | 2.02 | 2.02 | 2.03 | 2.03 | 2.03 | 2.03 | 2.03 | 2.04 | 2.06 | 2.06 | 2.05 | 2.05 | 2.05 |
| | 77°F 25°C | TC | 25631 | 26865 | 27917 | 28103 | 29359 | 27172 | 27259 | 27947 | 28134 | 29388 | 28403 | 28435 | 28508 | 28540 | 29413 | 30677 | 30770 | 30841 | 30848 | 30877 |
| | | S/T | 0.97 | 1.00 | 1.00 | 1.00 | 1.00 | 0.75 | 0.90 | 1.00 | 1.00 | 1.00 | 0.61 | 0.76 | 0.88 | 0.90 | 1.00 | 0.40 | 0.52 | 0.63 | 0.65 | 0.79 |
| | | PI | 2.08 | 2.09 | 2.10 | 2.10 | 2.11 | 2.10 | 2.10 | 2.10 | 2.10 | 2.11 | 2.11 | 2.11 | 2.11 | 2.11 | 2.11 | 2.13 | 2.13 | 2.13 | 2.13 | 2.13 |
| | 82°F 27.8°C | TC | 25823 | 27142 | 28236 | 28428 | 29730 | 27365 | 27470 | 28261 | 28460 | 29761 | 28638 | 28674 | 28763 | 28798 | 29787 | 30963 | 31080 | 31161 | 31169 | 31203 |
| | | S/T | 0.99 | 1.00 | 1.00 | 1.00 | 1.00 | 0.76 | 0.91 | 1.00 | 1.00 | 1.00 | 0.62 | 0.77 | 0.89 | 0.92 | 1.00 | 0.40 | 0.52 | 0.64 | 0.66 | 0.80 |
| | | PI | 2.25 | 2.26 | 2.27 | 2.28 | 2.29 | 2.27 | 2.27 | 2.27 | 2.28 | 2.29 | 2.28 | 2.28 | 2.28 | 2.28 | 2.29 | 2.30 | 2.30 | 2.30 | 2.30 | 2.30 |
| | 86°F 30°C | TC | 27299 | 28662 | 29834 | 30042 | 31441 | 28789 | 28922 | 29867 | 30077 | 31474 | 30154 | 30188 | 30299 | 30343 | 31501 | 32645 | 32771 | 32849 | 32857 | 32887 |
| | | S/T | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.77 | 0.93 | 1.00 | 1.00 | 1.00 | 0.62 | 0.78 | 0.91 | 0.93 | 1.00 | 0.40 | 0.52 | 0.64 | 0.66 | 0.81 |
| | | PI | 2.54 | 2.56 | 2.57 | 2.57 | 2.58 | 2.56 | 2.56 | 2.57 | 2.57 | 2.58 | 2.57 | 2.57 | 2.57 | 2.57 | 2.58 | 2.61 | 2.60 | 2.60 | 2.60 | 2.60 |
| | 95°F 35°C | TC | 30429 | 30593 | 31582 | 31769 | 33024 | 32339 | 32358 | 32368 | 32407 | 33066 | 33727 | 33734 | 33755 | 33758 | 33814 | 36343 | 36329 | 36336 | 36347 | 36395 |
| | | S/T | 0.83 | 0.95 | 1.00 | 1.00 | 1.00 | 0.66 | 0.78 | 0.88 | 0.89 | 1.00 | 0.56 | 0.67 | 0.76 | 0.78 | 0.88 | 0.39 | 0.48 | 0.57 | 0.58 | 0.68 |
| | | PI | 3.07 | 3.08 | 3.13 | 3.14 | 3.20 | 3.17 | 3.17 | 3.17 | 3.17 | 3.20 | 3.24 | 3.24 | 3.24 | 3.24 | 3.24 | 3.37 | 3.37 | 3.37 | 3.37 | 3.37 |
| | 104°F 40°C | TC | 29838 | 30112 | 31245 | 31433 | 32687 | 31718 | 31736 | 31792 | 31826 | 32727 | 33072 | 33085 | 33102 | 33104 | 33198 | 35646 | 35633 | 35649 | 35661 | 35699 |
| | | S/T | 0.85 | 0.98 | 1.00 | 1.00 | 1.00 | 0.68 | 0.80 | 0.90 | 0.92 | 1.00 | 0.56 | 0.68 | 0.78 | 0.80 | 0.91 | 0.39 | 0.48 | 0.58 | 0.59 | 0.70 |
| | | PI | 3.21 | 3.22 | 3.28 | 3.29 | 3.36 | 3.31 | 3.31 | 3.31 | 3.31 | 3.36 | 3.38 | 3.38 | 3.38 | 3.38 | 3.39 | 3.52 | 3.52 | 3.52 | 3.52 | 3.52 |
| | 110°F 43°C | TC | 29371 | 30499 | 31663 | 31868 | 33249 | 31270 | 31279 | 31628 | 31905 | 33283 | 32677 | 32703 | 32711 | 32736 | 33312 | 35369 | 35371 | 35426 | 35432 | 35452 |
| | | S/T | 0.92 | 1.00 | 1.00 | 1.00 | 1.00 | 0.72 | 0.87 | 0.99 | 1.00 | 1.00 | 0.60 | 0.73 | 0.85 | 0.86 | 1.00 | 0.40 | 0.51 | 0.61 | 0.63 | 0.76 |
| | | PI | 3.33 | 3.38 | 3.42 | 3.43 | 3.49 | 3.41 | 3.41 | 3.42 | 3.43 | 3.49 | 3.47 | 3.47 | 3.47 | 3.47 | 3.49 | 3.58 | 3.58 | 3.58 | 3.58 | 3.58 |
| | 115°F 46°C | TC | 22657 | 23749 | 24687 | 24871 | 25966 | 24095 | 24143 | 24715 | 24903 | 25993 | 25218 | 25233 | 25268 | 25293 | 26015 | 27344 | 27364 | 27402 | 27406 | 27414 |
| | | S/T | 0.96 | 1.00 | 1.00 | 1.00 | 1.00 | 0.75 | 0.89 | 1.00 | 1.00 | 1.00 | 0.61 | 0.75 | 0.87 | 0.90 | 1.00 | 0.40 | 0.52 | 0.63 | 0.65 | 0.78 |
| | | PI | 2.49 | 2.53 | 2.56 | 2.57 | 2.60 | 2.54 | 2.54 | 2.56 | 2.58 | 2.60 | 2.58 | 2.58 | 2.58 | 2.58 | 2.61 | 2.66 | 2.66 | 2.65 | 2.65 | 2.65 |
| | 122°F 50°C | TC | 13893 | 14659 | 15316 | 15430 | 16209 | 14336 | 14675 | 15333 | 15447 | 16225 | 15097 | 15093 | 15344 | 15459 | 16234 | 16485 | 16549 | 16553 | 16551 | 16573 |
| | | S/T | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.84 | 1.00 | 1.00 | 1.00 | 1.00 | 0.67 | 0.85 | 1.00 | 1.00 | 1.00 | 0.41 | 0.55 | 0.69 | 0.72 | 0.88 |
| | | PI | 1.38 | 1.39 | 1.40 | 1.40 | 1.41 | 1.38 | 1.39 | 1.40 | 1.40 | 1.41 | 1.40 | 1.40 | 1.40 | 1.40 | 1.41 | 1.43 | 1.42 | 1.42 | 1.42 | 1.42 |

## Table 24 – 36K Cooling — 37MURA + 45MULA (36A)

| Airflow CFM | Out-door DB °F | ID WB °F | 60.8°F (16.0°C) | | | | | 64.4°F (16.0°C) | | | | | 67.0°F (19.4°C) | | | | | 71.6°F (22.0°C) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ID DB °F | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C |
| 525 | -13°F 25°C | TC | 23715 | 23707 | 23700 | 23838 | 24540 | 24759 | 24746 | 24735 | 24733 | 24715 | 25498 | 25485 | 25468 | 25465 | 25447 | 26897 | 26890 | 26870 | 26864 | 26824 |
| | | S/T | 0.77 | 0.88 | 0.97 | 1.00 | 1.00 | 0.63 | 0.73 | 0.81 | 0.83 | 0.93 | 0.54 | 0.63 | 0.71 | 0.73 | 0.83 | 0.39 | 0.46 | 0.54 | 0.56 | 0.65 |
| | | PI | 1.63 | 1.63 | 1.63 | 1.63 | 1.62 | 1.62 | 1.62 | 1.62 | 1.62 | 1.62 | 1.62 | 1.62 | 1.62 | 1.62 | 1.62 | 1.62 | 1.62 | 1.62 | 1.62 | 1.63 |
| | -4°F 20°C | TC | 25539 | 25530 | 25523 | 25671 | 26427 | 26664 | 26649 | 26637 | 26635 | 26617 | 27460 | 27445 | 27427 | 27424 | 27405 | 28967 | 28959 | 28937 | 28930 | 28887 |
| | | S/T | 0.78 | 0.88 | 0.97 | 1.00 | 1.00 | 0.63 | 0.73 | 0.82 | 0.83 | 0.93 | 0.54 | 0.64 | 0.72 | 0.73 | 0.83 | 0.39 | 0.47 | 0.55 | 0.56 | 0.65 |
| | | PI | 1.69 | 1.69 | 1.69 | 1.69 | 1.68 | 1.68 | 1.68 | 1.68 | 1.68 | 1.68 | 1.68 | 1.68 | 1.68 | 1.68 | 1.68 | 1.68 | 1.68 | 1.68 | 1.68 | 1.68 |
| | 0°F 17.8°C | TC | 26382 | 26371 | 26473 | 26675 | 27413 | 27533 | 27512 | 27496 | 27493 | 27488 | 28340 | 28324 | 28298 | 28294 | 28269 | 29867 | 29859 | 29860 | 29863 | 29885 |
| | | S/T | 0.78 | 0.89 | 0.99 | 1.00 | 1.00 | 0.64 | 0.74 | 0.83 | 0.84 | 0.95 | 0.54 | 0.64 | 0.73 | 0.74 | 0.84 | 0.39 | 0.47 | 0.55 | 0.57 | 0.66 |
| | | PI | 1.71 | 1.71 | 1.71 | 1.70 | 1.70 | 1.70 | 1.70 | 1.70 | 1.70 | 1.70 | 1.70 | 1.70 | 1.70 | 1.70 | 1.70 | 1.72 | 1.72 | 1.72 | 1.72 | 1.72 |
| | 5°F 15°C | TC | 27158 | 27183 | 27549 | 27675 | 28522 | 28450 | 28455 | 28459 | 28459 | 28599 | 29381 | 29378 | 29386 | 29387 | 29390 | 31136 | 31127 | 31127 | 31130 | 31147 |
| | | S/T | 0.79 | 0.90 | 1.00 | 1.00 | 1.00 | 0.64 | 0.75 | 0.84 | 0.85 | 0.96 | 0.54 | 0.65 | 0.73 | 0.75 | 0.85 | 0.39 | 0.47 | 0.55 | 0.57 | 0.66 |
| | | PI | 1.72 | 1.72 | 1.72 | 1.72 | 1.73 | 1.72 | 1.72 | 1.72 | 1.72 | 1.73 | 1.73 | 1.73 | 1.73 | 1.73 | 1.74 | 1.77 | 1.77 | 1.77 | 1.77 | 1.77 |
| | 14°F 10°C | TC | 26778 | 26768 | 26879 | 27114 | 27956 | 28122 | 28106 | 28093 | 28091 | 28076 | 29094 | 29080 | 29058 | 29054 | 29030 | 30924 | 30914 | 30892 | 30885 | 30838 |
| | | S/T | 0.78 | 0.89 | 0.99 | 1.00 | 1.00 | 0.64 | 0.74 | 0.82 | 0.84 | 0.94 | 0.54 | 0.64 | 0.72 | 0.74 | 0.83 | 0.39 | 0.47 | 0.55 | 0.56 | 0.65 |
| | | PI | 1.75 | 1.75 | 1.75 | 1.75 | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 |
| | 17°F 10°C | TC | 26685 | 26692 | 27019 | 27175 | 28050 | 28025 | 28028 | 28033 | 28034 | 28167 | 28919 | 28930 | 28949 | 28950 | 28957 | 30842 | 30833 | 30836 | 30842 | 30870 |
| | | S/T | 0.79 | 0.89 | 1.00 | 1.00 | 1.00 | 0.64 | 0.74 | 0.83 | 0.85 | 0.95 | 0.55 | 0.65 | 0.73 | 0.75 | 0.85 | 0.39 | 0.47 | 0.55 | 0.57 | 0.66 |
| | | PI | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 |
| | 23°F 5°C | TC | 26366 | 26403 | 26832 | 26964 | 27845 | 27719 | 27726 | 27730 | 27730 | 27894 | 28696 | 28695 | 28704 | 28706 | 28710 | 30546 | 30537 | 30538 | 30542 | 30563 |
| | | S/T | 0.80 | 0.91 | 1.00 | 1.00 | 1.00 | 0.65 | 0.75 | 0.84 | 0.86 | 0.97 | 0.54 | 0.65 | 0.74 | 0.75 | 0.85 | 0.39 | 0.47 | 0.56 | 0.57 | 0.66 |
| | | PI | 1.72 | 1.72 | 1.72 | 1.72 | 1.73 | 1.73 | 1.73 | 1.73 | 1.73 | 1.73 | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 | 1.77 | 1.77 | 1.77 | 1.77 | 1.77 |
| | 35°F 1.7°C | TC | 26090 | 26091 | 26141 | 26171 | 26844 | 27342 | 27338 | 27339 | 27340 | 27341 | 28221 | 28219 | 28216 | 28216 | 28219 | 29855 | 29848 | 29842 | 29846 | 29841 |
| | | S/T | 0.75 | 0.85 | 0.93 | 0.94 | 1.00 | 0.62 | 0.71 | 0.79 | 0.80 | 0.89 | 0.53 | 0.62 | 0.69 | 0.71 | 0.80 | 0.39 | 0.46 | 0.53 | 0.54 | 0.63 |
| | | PI | 1.57 | 1.57 | 1.58 | 1.58 | 1.63 | 1.67 | 1.67 | 1.67 | 1.67 | 1.67 | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 | 1.89 | 1.89 | 1.89 | 1.89 | 1.89 |
| | 41°F 5°C | TC | 26420 | 26420 | 26493 | 26529 | 27282 | 27681 | 27678 | 27679 | 27679 | 27703 | 28567 | 28563 | 28561 | 28562 | 28565 | 30211 | 30204 | 30198 | 30201 | 30197 |
| | | S/T | 0.76 | 0.86 | 0.94 | 0.96 | 1.00 | 0.62 | 0.72 | 0.80 | 0.81 | 0.90 | 0.53 | 0.62 | 0.70 | 0.71 | 0.81 | 0.39 | 0.46 | 0.53 | 0.55 | 0.64 |
| | | PI | 1.72 | 1.72 | 1.73 | 1.73 | 1.79 | 1.83 | 1.83 | 1.83 | 1.83 | 1.83 | 1.91 | 1.91 | 1.91 | 1.91 | 1.91 | 2.08 | 2.08 | 2.08 | 2.08 | 2.08 |
| | 47°F 8.3°C | TC | 26747 | 26747 | 26850 | 26897 | 27724 | 28019 | 28016 | 28016 | 28016 | 28059 | 28912 | 28909 | 28906 | 28907 | 28908 | 30571 | 30563 | 30561 | 30560 | 30556 |
| | | S/T | 0.77 | 0.87 | 0.95 | 0.97 | 1.00 | 0.63 | 0.72 | 0.81 | 0.82 | 0.91 | 0.53 | 0.63 | 0.71 | 0.72 | 0.82 | 0.39 | 0.46 | 0.54 | 0.55 | 0.64 |
| | | PI | 1.87 | 1.87 | 1.88 | 1.88 | 1.96 | 1.99 | 1.99 | 1.99 | 1.99 | 2.00 | 2.08 | 2.08 | 2.08 | 2.08 | 2.08 | 2.27 | 2.27 | 2.27 | 2.27 | 2.27 |
| | 50°F 10°C | TC | 25747 | 26168 | 27042 | 27197 | 28239 | 27260 | 27276 | 27365 | 27400 | 28272 | 28333 | 28370 | 28386 | 28388 | 28516 | 30375 | 30389 | 30463 | 30471 | 30512 |
| | | S/T | 0.87 | 1.00 | 1.00 | 1.00 | 1.00 | 0.69 | 0.81 | 0.92 | 0.94 | 1.00 | 0.57 | 0.69 | 0.80 | 0.81 | 0.93 | 0.39 | 0.49 | 0.58 | 0.60 | 0.71 |
| | | PI | 2.04 | 2.05 | 2.04 | 2.04 | 2.04 | 2.04 | 2.04 | 2.04 | 2.04 | 2.04 | 2.04 | 2.04 | 2.04 | 2.04 | 2.04 | 2.04 | 2.04 | 2.04 | 2.04 | 2.04 |
| | 59°F 15°C | TC | 24239 | 24823 | 25696 | 25851 | 26891 | 25718 | 25730 | 25857 | 25907 | 26922 | 26786 | 26815 | 26826 | 26827 | 27004 | 28832 | 28839 | 28896 | 28902 | 28931 |
| | | S/T | 0.88 | 1.00 | 1.00 | 1.00 | 1.00 | 0.70 | 0.83 | 0.94 | 0.97 | 1.00 | 0.58 | 0.71 | 0.81 | 0.83 | 0.96 | 0.39 | 0.50 | 0.59 | 0.61 | 0.73 |
| | | PI | 1.91 | 1.91 | 1.92 | 1.92 | 1.92 | 1.92 | 1.92 | 1.92 | 1.92 | 1.92 | 1.92 | 1.92 | 1.92 | 1.92 | 1.92 | 1.93 | 1.93 | 1.93 | 1.93 | 1.93 |
| | 68°F 20°C | TC | 22762 | 23496 | 24361 | 24514 | 25545 | 24185 | 24192 | 24382 | 24541 | 25574 | 25237 | 25258 | 25265 | 25266 | 25553 | 27251 | 27260 | 27304 | 27309 | 27328 |
| | | S/T | 0.91 | 1.00 | 1.00 | 1.00 | 1.00 | 0.72 | 0.85 | 0.97 | 1.00 | 1.00 | 0.59 | 0.72 | 0.84 | 0.86 | 0.99 | 0.40 | 0.50 | 0.61 | 0.62 | 0.75 |
| | | PI | 1.77 | 1.78 | 1.79 | 1.79 | 1.80 | 1.79 | 1.79 | 1.79 | 1.79 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.83 | 1.82 | 1.82 | 1.82 | 1.82 |
| | 77°F 25°C | TC | 21251 | 22065 | 22921 | 23073 | 24093 | 22633 | 22644 | 22904 | 23101 | 24121 | 23666 | 23694 | 23705 | 23732 | 24143 | 25632 | 25655 | 25713 | 25719 | 25747 |
| | | S/T | 0.92 | 1.00 | 1.00 | 1.00 | 1.00 | 0.72 | 0.87 | 0.99 | 1.00 | 1.00 | 0.59 | 0.73 | 0.85 | 0.86 | 1.00 | 0.40 | 0.51 | 0.61 | 0.63 | 0.76 |
| | | PI | 1.66 | 1.67 | 1.67 | 1.67 | 1.68 | 1.67 | 1.67 | 1.67 | 1.67 | 1.68 | 1.68 | 1.68 | 1.68 | 1.68 | 1.68 | 1.70 | 1.70 | 1.70 | 1.70 | 1.70 |
| | 82°F 27.8°C | TC | 21201 | 22100 | 22980 | 23137 | 24189 | 22600 | 22637 | 23008 | 23165 | 24216 | 23657 | 23689 | 23701 | 23738 | 24238 | 25661 | 25693 | 25758 | 25765 | 25795 |
| | | S/T | 0.94 | 1.00 | 1.00 | 1.00 | 1.00 | 0.73 | 0.87 | 1.00 | 1.00 | 1.00 | 0.60 | 0.74 | 0.86 | 0.87 | 1.00 | 0.40 | 0.51 | 0.62 | 0.63 | 0.76 |
| | | PI | 1.81 | 1.82 | 1.83 | 1.83 | 1.84 | 1.83 | 1.83 | 1.83 | 1.83 | 1.84 | 1.84 | 1.84 | 1.84 | 1.84 | 1.84 | 1.86 | 1.86 | 1.85 | 1.85 | 1.85 |
| | 86°F 30°C | TC | 22132 | 23157 | 24096 | 24262 | 25393 | 23593 | 23642 | 24125 | 24291 | 25413 | 24719 | 24748 | 24787 | 24809 | 25437 | 26843 | 26882 | 26945 | 26952 | 26980 |
| | | S/T | 0.95 | 1.00 | 1.00 | 1.00 | 1.00 | 0.74 | 0.88 | 1.00 | 1.00 | 1.00 | 0.60 | 0.75 | 0.86 | 0.88 | 1.00 | 0.40 | 0.51 | 0.62 | 0.64 | 0.77 |
| | | PI | 2.21 | 2.22 | 2.23 | 2.24 | 2.25 | 2.23 | 2.23 | 2.24 | 2.24 | 2.25 | 2.24 | 2.24 | 2.24 | 2.24 | 2.25 | 2.27 | 2.27 | 2.27 | 2.27 | 2.27 |
| | 95°F 35°C | TC | 24519 | 24563 | 25090 | 25238 | 26227 | 26087 | 26093 | 26102 | 26104 | 26281 | 27213 | 27216 | 27230 | 27232 | 27245 | 29378 | 29367 | 29370 | 29369 | 29391 |
| | | S/T | 0.80 | 0.91 | 1.00 | 1.00 | 1.00 | 0.65 | 0.75 | 0.84 | 0.86 | 0.96 | 0.54 | 0.65 | 0.73 | 0.75 | 0.85 | 0.39 | 0.47 | 0.55 | 0.56 | 0.66 |
| | | PI | 3.00 | 3.00 | 3.03 | 3.04 | 3.10 | 3.09 | 3.09 | 3.09 | 3.09 | 3.10 | 3.16 | 3.16 | 3.16 | 3.16 | 3.16 | 3.29 | 3.29 | 3.29 | 3.29 | 3.29 |
| | 104°F 40°C | TC | 21920 | 21998 | 22632 | 22765 | 23668 | 23322 | 23330 | 23336 | 23337 | 23645 | 24330 | 24334 | 24347 | 24349 | 24357 | 26264 | 26254 | 26260 | 26255 | 26280 |
| | | S/T | 0.82 | 0.94 | 1.00 | 1.00 | 1.00 | 0.66 | 0.77 | 0.86 | 0.88 | 1.00 | 0.55 | 0.66 | 0.75 | 0.77 | 0.87 | 0.39 | 0.47 | 0.56 | 0.58 | 0.67 |
| | | PI | 2.93 | 2.93 | 2.97 | 2.98 | 3.04 | 3.02 | 3.02 | 3.02 | 3.02 | 3.04 | 3.08 | 3.08 | 3.08 | 3.08 | 3.08 | 3.21 | 3.21 | 3.21 | 3.21 | 3.21 |
| | 110°F 43°C | TC | 20229 | 20776 | 21564 | 21704 | 22636 | 21610 | 21617 | 21711 | 21754 | 22661 | 22597 | 22610 | 22618 | 22618 | 22750 | 24494 | 24483 | 24508 | 24512 | 24530 |
| | | S/T | 0.89 | 1.00 | 1.00 | 1.00 | 1.00 | 0.70 | 0.83 | 0.94 | 0.96 | 1.00 | 0.58 | 0.70 | 0.81 | 0.83 | 0.96 | 0.39 | 0.49 | 0.59 | 0.61 | 0.73 |
| | | PI | 2.92 | 2.95 | 2.99 | 2.99 | 3.04 | 2.99 | 2.99 | 2.99 | 2.99 | 3.04 | 3.04 | 3.04 | 3.04 | 3.04 | 3.04 | 3.14 | 3.14 | 3.14 | 3.14 | 3.14 |
| | 115°F 46°C | TC | 16722 | 17352 | 18034 | 18155 | 18964 | 17861 | 17865 | 18021 | 18178 | 18986 | 18713 | 18730 | 18735 | 18735 | 19003 | 20309 | 20299 | 20331 | 20334 | 20344 |
| | | S/T | 0.92 | 1.00 | 1.00 | 1.00 | 1.00 | 0.72 | 0.86 | 0.98 | 1.00 | 1.00 | 0.59 | 0.73 | 0.84 | 0.86 | 1.00 | 0.40 | 0.50 | 0.61 | 0.63 | 0.75 |
| | | PI | 2.51 | 2.54 | 2.57 | 2.57 | 2.61 | 2.56 | 2.56 | 2.57 | 2.57 | 2.61 | 2.61 | 2.61 | 2.61 | 2.61 | 2.61 | 2.67 | 2.67 | 2.67 | 2.67 | 2.67 |
| | 122°F 50°C | TC | 12242 | 12912 | 13487 | 13589 | 14272 | 12809 | 12909 | 13502 | 13604 | 14286 | 13489 | 13488 | 13558 | 13599 | 14299 | 14762 | 14791 | 14799 | 14799 | 14791 |
| | | S/T | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.80 | 0.98 | 1.00 | 1.00 | 1.00 | 0.64 | 0.81 | 0.95 | 0.98 | 1.00 | 0.41 | 0.54 | 0.67 | 0.69 | 0.84 |
| | | PI | 1.99 | 2.01 | 2.03 | 2.03 | 2.05 | 2.01 | 2.01 | 2.03 | 2.03 | 2.05 | 2.03 | 2.03 | 2.03 | 2.03 | 2.05 | 2.07 | 2.07 | 2.06 | 2.06 | 2.06 |

## Table 24 – 36K Cooling — 37MURA + 45MULA (36A) (Continued)

| Airflow CFM | Out-door DB °F | ID WB °F | 60.8°F (16.0°C) | | | | | 64.4°F (16.0°C) | | | | | 67.0°F (19.4°C) | | | | | 71.6°F (22.0°C) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ID DB °F | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C |
| 700 | -13°F 25°C | TC | 30749 | 30735 | 31173 | 31302 | 32164 | 32082 | 32055 | 32035 | 32032 | 32006 | 33041 | 33000 | 32968 | 32964 | 32932 | 34852 | 34843 | 34771 | 34758 | 34684 |
| | | S/T | 0.80 | 0.91 | 1.00 | 1.00 | 1.00 | 0.65 | 0.75 | 0.85 | 0.86 | 0.97 | 0.55 | 0.65 | 0.74 | 0.76 | 0.86 | 0.39 | 0.47 | 0.56 | 0.57 | 0.67 |
| | | PI | 2.09 | 2.09 | 2.08 | 2.08 | 2.08 | 2.08 | 2.08 | 2.08 | 2.08 | 2.08 | 2.07 | 2.07 | 2.08 | 2.08 | 2.08 | 2.09 | 2.09 | 2.09 | 2.09 | 2.09 |
| | -4°F 20°C | TC | 33114 | 33099 | 33571 | 33710 | 34638 | 34550 | 34521 | 34499 | 34496 | 34468 | 35583 | 35538 | 35504 | 35499 | 35465 | 37533 | 37523 | 37446 | 37432 | 37352 |
| | | S/T | 0.80 | 0.92 | 1.00 | 1.00 | 1.00 | 0.65 | 0.76 | 0.85 | 0.87 | 0.98 | 0.55 | 0.65 | 0.74 | 0.76 | 0.86 | 0.39 | 0.48 | 0.56 | 0.57 | 0.67 |
| | | PI | 2.16 | 2.16 | 2.16 | 2.16 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.16 | 2.16 | 2.16 | 2.16 | 2.16 |
| | 0°F 17.8°C | TC | 34213 | 34193 | 34827 | 34973 | 35933 | 35681 | 35641 | 35613 | 35609 | 35967 | 36729 | 36677 | 36631 | 36626 | 36609 | 38704 | 38695 | 38692 | 38697 | 38723 |
| | | S/T | 0.81 | 0.93 | 1.00 | 1.00 | 1.00 | 0.66 | 0.77 | 0.86 | 0.88 | 1.00 | 0.55 | 0.66 | 0.75 | 0.77 | 0.87 | 0.39 | 0.48 | 0.57 | 0.58 | 0.68 |
| | | PI | 2.18 | 2.18 | 2.18 | 2.18 | 2.18 | 2.18 | 2.18 | 2.18 | 2.18 | 2.18 | 2.18 | 2.18 | 2.18 | 2.18 | 2.18 | 2.21 | 2.21 | 2.21 | 2.21 | 2.21 |
| | 5°F 15°C | TC | 35194 | 35315 | 36122 | 36289 | 37407 | 36845 | 36854 | 36856 | 36894 | 37444 | 38023 | 38033 | 38040 | 38041 | 38092 | 40253 | 40241 | 40262 | 40266 | 40284 |
| | | S/T | 0.82 | 0.94 | 1.00 | 1.00 | 1.00 | 0.66 | 0.78 | 0.87 | 0.88 | 1.00 | 0.56 | 0.67 | 0.76 | 0.78 | 0.88 | 0.39 | 0.48 | 0.57 | 0.59 | 0.69 |
| | | PI | 2.20 | 2.20 | 2.20 | 2.20 | 2.22 | 2.21 | 2.21 | 2.21 | 2.21 | 2.22 | 2.22 | 2.22 | 2.22 | 2.22 | 2.23 | 2.27 | 2.27 | 2.27 | 2.27 | 2.27 |
| | 14°F 10°C | TC | 34728 | 34711 | 35419 | 35585 | 36689 | 36452 | 36420 | 36395 | 36391 | 36732 | 37701 | 37654 | 37616 | 37610 | 37572 | 40088 | 40076 | 39999 | 39985 | 39900 |
| | | S/T | 0.81 | 0.93 | 1.00 | 1.00 | 1.00 | 0.65 | 0.76 | 0.86 | 0.87 | 1.00 | 0.55 | 0.66 | 0.75 | 0.76 | 0.87 | 0.39 | 0.48 | 0.56 | 0.57 | 0.67 |
| | | PI | 2.24 | 2.24 | 2.23 | 2.23 | 2.23 | 2.23 | 2.23 | 2.23 | 2.23 | 2.23 | 2.23 | 2.23 | 2.23 | 2.23 | 2.23 | 2.24 | 2.24 | 2.24 | 2.24 | 2.24 |
| | 17°F 10°C | TC | 34492 | 34605 | 35404 | 35577 | 36733 | 36209 | 36224 | 36231 | 36261 | 36772 | 37445 | 37459 | 37474 | 37476 | 37522 | 39824 | 39813 | 39807 | 39814 | 39847 |
| | | S/T | 0.82 | 0.93 | 1.00 | 1.00 | 1.00 | 0.66 | 0.77 | 0.87 | 0.88 | 1.00 | 0.55 | 0.66 | 0.76 | 0.77 | 0.87 | 0.39 | 0.48 | 0.57 | 0.58 | 0.68 |
| | | PI | 2.23 | 2.23 | 2.23 | 2.23 | 2.23 | 2.23 | 2.23 | 2.23 | 2.23 | 2.23 | 2.23 | 2.23 | 2.23 | 2.23 | 2.23 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 |
| | 23°F 5°C | TC | 34167 | 34314 | 35202 | 35376 | 36541 | 35897 | 35908 | 35912 | 35959 | 36581 | 37135 | 37148 | 37158 | 37159 | 37219 | 39486 | 39474 | 39502 | 39507 | 39530 |
| | | S/T | 0.83 | 0.95 | 1.00 | 1.00 | 1.00 | 0.66 | 0.78 | 0.88 | 0.89 | 1.00 | 0.56 | 0.67 | 0.76 | 0.78 | 0.89 | 0.39 | 0.48 | 0.57 | 0.59 | 0.69 |
| | | PI | 2.20 | 2.20 | 2.21 | 2.21 | 2.22 | 2.21 | 2.21 | 2.21 | 2.21 | 2.22 | 2.23 | 2.23 | 2.23 | 2.23 | 2.23 | 2.27 | 2.27 | 2.27 | 2.27 | 2.27 |
| | 35°F 1.7°C | TC | 33836 | 33837 | 34036 | 34131 | 35232 | 35417 | 35416 | 35419 | 35419 | 35513 | 36526 | 36524 | 36525 | 36526 | 36530 | 38583 | 38574 | 38572 | 38570 | 38573 |
| | | S/T | 0.78 | 0.88 | 0.97 | 0.99 | 1.00 | 0.63 | 0.73 | 0.82 | 0.83 | 0.93 | 0.54 | 0.63 | 0.72 | 0.73 | 0.83 | 0.39 | 0.46 | 0.54 | 0.56 | 0.65 |
| | | PI | 2.01 | 2.01 | 2.03 | 2.04 | 2.12 | 2.13 | 2.13 | 2.13 | 2.14 | 2.14 | 2.23 | 2.23 | 2.23 | 2.23 | 2.23 | 2.42 | 2.42 | 2.42 | 2.42 | 2.42 |
| | 41°F 5°C | TC | 34261 | 34261 | 34534 | 34774 | 35802 | 35854 | 35853 | 35855 | 35855 | 35981 | 36973 | 36970 | 36972 | 36973 | 36975 | 39047 | 39038 | 39035 | 39033 | 39038 |
| | | S/T | 0.78 | 0.89 | 0.98 | 1.00 | 1.00 | 0.64 | 0.74 | 0.83 | 0.84 | 0.94 | 0.54 | 0.64 | 0.72 | 0.74 | 0.84 | 0.39 | 0.47 | 0.55 | 0.56 | 0.66 |
| | | PI | 2.20 | 2.20 | 2.23 | 2.25 | 2.34 | 2.34 | 2.34 | 2.34 | 2.34 | 2.35 | 2.45 | 2.45 | 2.45 | 2.45 | 2.45 | 2.67 | 2.67 | 2.67 | 2.67 | 2.67 |
| | 47°F 8.3°C | TC | 34685 | 34708 | 35173 | 35331 | 36376 | 36293 | 36292 | 36293 | 36292 | 36460 | 37420 | 37417 | 37419 | 37419 | 37419 | 39515 | 39505 | 39502 | 39500 | 39504 |
| | | S/T | 0.79 | 0.90 | 1.00 | 1.00 | 1.00 | 0.64 | 0.75 | 0.84 | 0.85 | 0.96 | 0.54 | 0.65 | 0.73 | 0.75 | 0.85 | 0.39 | 0.47 | 0.55 | 0.57 | 0.67 |
| | | PI | 2.40 | 2.40 | 2.44 | 2.46 | 2.56 | 2.55 | 2.55 | 2.55 | 2.55 | 2.57 | 2.67 | 2.67 | 2.67 | 2.67 | 2.67 | 2.91 | 2.91 | 2.91 | 2.91 | 2.91 |
| | 50°F 10°C | TC | 33415 | 34335 | 35494 | 35700 | 37084 | 35302 | 35321 | 35565 | 35677 | 37119 | 36679 | 36727 | 36746 | 36748 | 37101 | 39207 | 39311 | 39412 | 39424 | 39473 |
| | | S/T | 0.90 | 1.00 | 1.00 | 1.00 | 1.00 | 0.71 | 0.85 | 0.96 | 0.99 | 1.00 | 0.59 | 0.72 | 0.83 | 0.85 | 0.99 | 0.40 | 0.50 | 0.60 | 0.62 | 0.74 |
| | | PI | 2.62 | 2.62 | 2.62 | 2.62 | 2.62 | 2.62 | 2.62 | 2.62 | 2.62 | 2.62 | 2.62 | 2.62 | 2.62 | 2.62 | 2.62 | 2.62 | 2.62 | 2.62 | 2.62 | 2.62 |
| | 59°F 15°C | TC | 31478 | 32582 | 33738 | 33944 | 35325 | 33305 | 33350 | 33729 | 33980 | 35360 | 34679 | 34714 | 34726 | 34777 | 35389 | 37238 | 37313 | 37387 | 37395 | 37427 |
| | | S/T | 0.92 | 1.00 | 1.00 | 1.00 | 1.00 | 0.73 | 0.86 | 1.00 | 1.00 | 1.00 | 0.60 | 0.73 | 0.85 | 0.86 | 1.00 | 0.40 | 0.51 | 0.61 | 0.63 | 0.76 |
| | | PI | 2.45 | 2.45 | 2.46 | 2.46 | 2.47 | 2.46 | 2.46 | 2.46 | 2.46 | 2.47 | 2.47 | 2.46 | 2.46 | 2.46 | 2.47 | 2.48 | 2.48 | 2.48 | 2.48 | 2.48 |
| | 68°F 20°C | TC | 29538 | 30799 | 31941 | 32144 | 33508 | 31271 | 31341 | 31976 | 32179 | 33541 | 32623 | 32647 | 32706 | 32734 | 33569 | 35151 | 35216 | 35271 | 35277 | 35295 |
| | | S/T | 0.95 | 1.00 | 1.00 | 1.00 | 1.00 | 0.74 | 0.89 | 1.00 | 1.00 | 1.00 | 0.61 | 0.75 | 0.87 | 0.89 | 1.00 | 0.40 | 0.51 | 0.63 | 0.65 | 0.78 |
| | | PI | 2.27 | 2.29 | 2.30 | 2.30 | 2.32 | 2.29 | 2.29 | 2.30 | 2.30 | 2.32 | 2.31 | 2.31 | 2.31 | 2.31 | 2.32 | 2.34 | 2.34 | 2.34 | 2.34 | 2.34 |
| | 77°F 25°C | TC | 27589 | 28918 | 30050 | 30250 | 31601 | 29248 | 29341 | 30082 | 30283 | 31633 | 30573 | 30607 | 30686 | 30720 | 31660 | 33020 | 33120 | 33197 | 33205 | 33236 |
| | | S/T | 0.97 | 1.00 | 1.00 | 1.00 | 1.00 | 0.75 | 0.90 | 1.00 | 1.00 | 1.00 | 0.61 | 0.76 | 0.88 | 0.90 | 1.00 | 0.40 | 0.52 | 0.63 | 0.65 | 0.79 |
| | | PI | 2.13 | 2.14 | 2.15 | 2.15 | 2.16 | 2.14 | 2.14 | 2.15 | 2.15 | 2.16 | 2.15 | 2.15 | 2.15 | 2.15 | 2.16 | 2.18 | 2.18 | 2.18 | 2.17 | 2.17 |
| | 82°F 27.8°C | TC | 27545 | 28951 | 30119 | 30323 | 31712 | 29189 | 29302 | 30145 | 30357 | 31745 | 30547 | 30585 | 30680 | 30718 | 31773 | 33028 | 33152 | 33238 | 33247 | 33283 |
| | | S/T | 0.99 | 1.00 | 1.00 | 1.00 | 1.00 | 0.76 | 0.91 | 1.00 | 1.00 | 1.00 | 0.62 | 0.77 | 0.89 | 0.92 | 1.00 | 0.40 | 0.52 | 0.64 | 0.66 | 0.80 |
| | | PI | 2.33 | 2.34 | 2.35 | 2.35 | 2.36 | 2.34 | 2.34 | 2.35 | 2.35 | 2.36 | 2.35 | 2.35 | 2.35 | 2.35 | 2.36 | 2.38 | 2.38 | 2.38 | 2.38 | 2.37 |
| | 86°F 30°C | TC | 28910 | 30353 | 31594 | 31815 | 33296 | 30488 | 30628 | 31629 | 31851 | 33331 | 31932 | 31969 | 32086 | 32133 | 33359 | 34570 | 34704 | 34786 | 34795 | 34827 |
| | | S/T | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.77 | 0.93 | 1.00 | 1.00 | 1.00 | 0.62 | 0.78 | 0.91 | 0.93 | 1.00 | 0.40 | 0.52 | 0.64 | 0.66 | 0.81 |
| | | PI | 2.84 | 2.86 | 2.87 | 2.87 | 2.89 | 2.86 | 2.86 | 2.87 | 2.87 | 2.89 | 2.88 | 2.87 | 2.88 | 2.88 | 2.89 | 2.91 | 2.91 | 2.91 | 2.91 | 2.90 |
| | 95°F 35°C | TC | 31776 | 31947 | 32980 | 33175 | 34487 | 33771 | 33791 | 33801 | 33841 | 34530 | 35220 | 35228 | 35249 | 35253 | 35311 | 37952 | 37937 | 37945 | 37956 | 38007 |
| | | S/T | 0.83 | 0.95 | 1.00 | 1.00 | 1.00 | 0.66 | 0.78 | 0.88 | 0.89 | 1.00 | 0.56 | 0.67 | 0.76 | 0.78 | 0.88 | 0.39 | 0.48 | 0.57 | 0.58 | 0.68 |
| | | PI | 3.84 | 3.85 | 3.91 | 3.92 | 4.00 | 3.96 | 3.96 | 3.96 | 3.96 | 4.00 | 4.05 | 4.05 | 4.05 | 4.05 | 4.05 | 4.22 | 4.22 | 4.22 | 4.22 | 4.22 |
| | 104°F 40°C | TC | 28410 | 28670 | 29749 | 29928 | 31122 | 30200 | 30217 | 30270 | 30303 | 31160 | 31488 | 31501 | 31517 | 31519 | 31608 | 33939 | 33927 | 33942 | 33954 | 33990 |
| | | S/T | 0.85 | 0.98 | 1.00 | 1.00 | 1.00 | 0.68 | 0.80 | 0.90 | 0.92 | 1.00 | 0.56 | 0.68 | 0.78 | 0.80 | 0.91 | 0.39 | 0.48 | 0.58 | 0.59 | 0.70 |
| | | PI | 3.75 | 3.77 | 3.84 | 3.85 | 3.93 | 3.87 | 3.87 | 3.87 | 3.88 | 3.93 | 3.95 | 3.95 | 3.95 | 3.95 | 3.96 | 4.12 | 4.12 | 4.11 | 4.12 | 4.12 |
| | 110°F 43°C | TC | 26289 | 27299 | 28340 | 28524 | 29760 | 27988 | 27997 | 28310 | 28557 | 29791 | 29248 | 29271 | 29278 | 29301 | 29817 | 31658 | 31659 | 31709 | 31714 | 31732 |
| | | S/T | 0.92 | 1.00 | 1.00 | 1.00 | 1.00 | 0.72 | 0.87 | 0.99 | 1.00 | 1.00 | 0.60 | 0.73 | 0.85 | 0.86 | 1.00 | 0.40 | 0.51 | 0.61 | 0.63 | 0.76 |
| | | PI | 3.75 | 3.80 | 3.85 | 3.86 | 3.92 | 3.83 | 3.83 | 3.85 | 3.86 | 3.92 | 3.90 | 3.90 | 3.90 | 3.90 | 3.92 | 4.03 | 4.03 | 4.02 | 4.02 | 4.02 |
| | 115°F 46°C | TC | 21747 | 22794 | 23695 | 23872 | 24923 | 23127 | 23173 | 23722 | 23902 | 24949 | 24205 | 24219 | 24252 | 24276 | 24970 | 26245 | 26265 | 26301 | 26304 | 26313 |
| | | S/T | 0.96 | 1.00 | 1.00 | 1.00 | 1.00 | 0.75 | 0.89 | 1.00 | 1.00 | 1.00 | 0.61 | 0.75 | 0.87 | 0.90 | 1.00 | 0.40 | 0.52 | 0.63 | 0.65 | 0.78 |
| | | PI | 3.23 | 3.28 | 3.32 | 3.33 | 3.37 | 3.29 | 3.29 | 3.32 | 3.33 | 3.37 | 3.34 | 3.34 | 3.34 | 3.34 | 3.37 | 3.44 | 3.44 | 3.44 | 3.44 | 3.43 |
| | 122°F 50°C | TC | 15892 | 16768 | 17519 | 17650 | 18541 | 16399 | 16786 | 17539 | 17670 | 18559 | 17269 | 17264 | 17551 | 17684 | 18570 | 18857 | 18930 | 18934 | 18933 | 18958 |
| | | S/T | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.84 | 1.00 | 1.00 | 1.00 | 1.00 | 0.67 | 0.85 | 1.00 | 1.00 | 1.00 | 0.41 | 0.55 | 0.69 | 0.72 | 0.88 |
| | | PI | 2.56 | 2.58 | 2.60 | 2.60 | 2.63 | 2.57 | 2.58 | 2.60 | 2.61 | 2.63 | 2.60 | 2.60 | 2.60 | 2.61 | 2.63 | 2.66 | 2.65 | 2.64 | 2.64 | 2.64 |

## Table 25 – 36K Cooling — 37MURA + 45MULA (36B)

| Airflow CFM | Out-door DB °F | ID WB °F | 60.8°F (16.0°C) | | | | | 64.4°F (16.0°C) | | | | | 67.0°F (19.4°C) | | | | | 71.6°F (22.0°C) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ID DB °F | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C |
| 684 | -13°F 25°C | TC | 26861 | 26851 | 26844 | 27000 | 27795 | 28043 | 28028 | 28015 | 28013 | 27994 | 28880 | 28865 | 28846 | 28843 | 28823 | 30465 | 30457 | 30435 | 30427 | 30382 |
| | | S/T | 0.77 | 0.88 | 0.97 | 1.00 | 1.00 | 0.63 | 0.73 | 0.81 | 0.83 | 0.93 | 0.54 | 0.63 | 0.71 | 0.73 | 0.83 | 0.39 | 0.46 | 0.54 | 0.56 | 0.65 |
| | | PI | 2.06 | 2.06 | 2.06 | 2.06 | 2.05 | 2.05 | 2.05 | 2.05 | 2.05 | 2.05 | 2.04 | 2.04 | 2.04 | 2.04 | 2.04 | 2.05 | 2.05 | 2.05 | 2.05 | 2.05 |
| | -4°F 20°C | TC | 28927 | 28917 | 28909 | 29077 | 29933 | 30201 | 30184 | 30170 | 30168 | 30147 | 31102 | 31086 | 31065 | 31062 | 31040 | 32809 | 32800 | 32776 | 32768 | 32719 |
| | | S/T | 0.78 | 0.88 | 0.97 | 1.00 | 1.00 | 0.63 | 0.73 | 0.82 | 0.83 | 0.93 | 0.54 | 0.64 | 0.72 | 0.73 | 0.83 | 0.39 | 0.47 | 0.55 | 0.56 | 0.65 |
| | | PI | 2.13 | 2.13 | 2.13 | 2.13 | 2.12 | 2.12 | 2.12 | 2.12 | 2.12 | 2.12 | 2.11 | 2.11 | 2.12 | 2.12 | 2.12 | 2.12 | 2.12 | 2.12 | 2.12 | 2.12 |
| | 0°F 17.8°C | TC | 29882 | 29869 | 29984 | 30213 | 31049 | 31185 | 31161 | 31143 | 31140 | 31135 | 32099 | 32081 | 32051 | 32047 | 32018 | 33829 | 33819 | 33821 | 33824 | 33850 |
| | | S/T | 0.78 | 0.89 | 0.99 | 1.00 | 1.00 | 0.64 | 0.74 | 0.83 | 0.84 | 0.95 | 0.54 | 0.64 | 0.73 | 0.74 | 0.84 | 0.39 | 0.47 | 0.55 | 0.57 | 0.66 |
| | | PI | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.14 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.17 | 2.17 | 2.17 | 2.17 | 2.17 |
| | 5°F 15°C | TC | 30760 | 30788 | 31203 | 31346 | 32305 | 32223 | 32230 | 32234 | 32234 | 32393 | 33278 | 33275 | 33284 | 33285 | 33289 | 35266 | 35256 | 35256 | 35259 | 35278 |
| | | S/T | 0.79 | 0.90 | 1.00 | 1.00 | 1.00 | 0.64 | 0.75 | 0.84 | 0.85 | 0.96 | 0.54 | 0.65 | 0.73 | 0.75 | 0.85 | 0.39 | 0.47 | 0.55 | 0.57 | 0.66 |
| | | PI | 2.17 | 2.17 | 2.17 | 2.17 | 2.18 | 2.17 | 2.18 | 2.18 | 2.18 | 2.18 | 2.19 | 2.19 | 2.19 | 2.19 | 2.19 | 2.23 | 2.23 | 2.23 | 2.23 | 2.23 |
| | 14°F 10°C | TC | 31251 | 31239 | 31369 | 31643 | 32625 | 32820 | 32801 | 32785 | 32783 | 32765 | 33954 | 33938 | 33912 | 33907 | 33878 | 36089 | 36078 | 36052 | 36044 | 35988 |
| | | S/T | 0.78 | 0.89 | 0.99 | 1.00 | 1.00 | 0.64 | 0.74 | 0.82 | 0.84 | 0.94 | 0.54 | 0.64 | 0.72 | 0.74 | 0.83 | 0.39 | 0.47 | 0.55 | 0.56 | 0.65 |
| | | PI | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 1.99 | 1.99 | 1.99 | 1.99 | 2.00 | 1.99 | 1.99 | 1.99 | 1.99 | 1.99 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 |
| | 17°F 10°C | TC | 31453 | 31461 | 31846 | 32030 | 33061 | 33032 | 33035 | 33042 | 33043 | 33199 | 34085 | 34099 | 34121 | 34122 | 34131 | 36353 | 36341 | 36345 | 36352 | 36386 |
| | | S/T | 0.79 | 0.89 | 1.00 | 1.00 | 1.00 | 0.64 | 0.74 | 0.83 | 0.85 | 0.95 | 0.55 | 0.65 | 0.73 | 0.75 | 0.85 | 0.39 | 0.47 | 0.55 | 0.57 | 0.66 |
| | | PI | 1.93 | 1.93 | 1.93 | 1.93 | 1.92 | 1.92 | 1.92 | 1.92 | 1.92 | 1.92 | 1.92 | 1.92 | 1.92 | 1.92 | 1.92 | 1.94 | 1.94 | 1.94 | 1.94 | 1.94 |
| | 23°F 5°C | TC | 31172 | 31215 | 31723 | 31879 | 32921 | 32772 | 32780 | 32784 | 32785 | 32979 | 33927 | 33926 | 33937 | 33938 | 33944 | 36114 | 36104 | 36105 | 36110 | 36134 |
| | | S/T | 0.80 | 0.91 | 1.00 | 1.00 | 1.00 | 0.65 | 0.75 | 0.84 | 0.86 | 0.97 | 0.54 | 0.65 | 0.74 | 0.75 | 0.85 | 0.39 | 0.47 | 0.56 | 0.57 | 0.66 |
| | | PI | 1.88 | 1.88 | 1.89 | 1.89 | 1.90 | 1.90 | 1.90 | 1.90 | 1.90 | 1.90 | 1.91 | 1.91 | 1.91 | 1.91 | 1.91 | 1.94 | 1.94 | 1.94 | 1.94 | 1.94 |
| | 35°F 1.7°C | TC | 31040 | 31040 | 31100 | 31135 | 31936 | 32529 | 32524 | 32526 | 32527 | 32527 | 33574 | 33572 | 33568 | 33568 | 33572 | 35519 | 35510 | 35503 | 35508 | 35502 |
| | | S/T | 0.75 | 0.85 | 0.93 | 0.94 | 1.00 | 0.62 | 0.71 | 0.79 | 0.80 | 0.89 | 0.53 | 0.62 | 0.69 | 0.71 | 0.80 | 0.39 | 0.46 | 0.53 | 0.54 | 0.63 |
| | | PI | 1.70 | 1.70 | 1.70 | 1.70 | 1.76 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.88 | 1.88 | 1.88 | 1.88 | 1.88 | 2.04 | 2.04 | 2.04 | 2.04 | 2.04 |
| | 41°F 5°C | TC | 30550 | 30551 | 30636 | 30677 | 31548 | 32009 | 32005 | 32006 | 32007 | 32035 | 33033 | 33029 | 33027 | 33027 | 33031 | 34935 | 34926 | 34919 | 34923 | 34918 |
| | | S/T | 0.76 | 0.86 | 0.94 | 0.96 | 1.00 | 0.62 | 0.72 | 0.80 | 0.81 | 0.90 | 0.53 | 0.62 | 0.70 | 0.71 | 0.81 | 0.39 | 0.46 | 0.53 | 0.55 | 0.64 |
| | | PI | 1.82 | 1.82 | 1.83 | 1.83 | 1.90 | 1.93 | 1.93 | 1.93 | 1.93 | 1.94 | 2.02 | 2.02 | 2.02 | 2.02 | 2.02 | 2.20 | 2.20 | 2.20 | 2.20 | 2.20 |
| | 47°F 8.3°C | TC | 30058 | 30058 | 30174 | 30226 | 31156 | 31488 | 31484 | 31485 | 31485 | 31532 | 32491 | 32488 | 32485 | 32485 | 32487 | 34356 | 34347 | 34344 | 34343 | 34338 |
| | | S/T | 0.77 | 0.87 | 0.95 | 0.97 | 1.00 | 0.63 | 0.72 | 0.81 | 0.82 | 0.91 | 0.53 | 0.63 | 0.71 | 0.72 | 0.82 | 0.39 | 0.46 | 0.54 | 0.55 | 0.64 |
| | | PI | 1.94 | 1.94 | 1.95 | 1.96 | 2.04 | 2.07 | 2.07 | 2.07 | 2.07 | 2.07 | 2.17 | 2.17 | 2.17 | 2.17 | 2.17 | 2.36 | 2.36 | 2.36 | 2.36 | 2.36 |
| | 50°F 10°C | TC | 28858 | 29329 | 30309 | 30482 | 31650 | 30553 | 30571 | 30670 | 30710 | 31687 | 31756 | 31797 | 31816 | 31818 | 31961 | 34044 | 34061 | 34143 | 34153 | 34198 |
| | | S/T | 0.87 | 1.00 | 1.00 | 1.00 | 1.00 | 0.69 | 0.81 | 0.92 | 0.94 | 1.00 | 0.57 | 0.69 | 0.80 | 0.81 | 0.93 | 0.39 | 0.49 | 0.58 | 0.60 | 0.71 |
| | | PI | 2.12 | 2.12 | 2.12 | 2.12 | 2.12 | 2.12 | 2.12 | 2.12 | 2.12 | 2.12 | 2.12 | 2.12 | 2.12 | 2.12 | 2.12 | 2.12 | 2.12 | 2.11 | 2.11 | 2.11 |
| | 59°F 15°C | TC | 26933 | 27582 | 28552 | 28724 | 29880 | 28577 | 28589 | 28731 | 28787 | 29914 | 29763 | 29795 | 29807 | 29809 | 30005 | 32036 | 32045 | 32108 | 32115 | 32146 |
| | | S/T | 0.88 | 1.00 | 1.00 | 1.00 | 1.00 | 0.70 | 0.83 | 0.94 | 0.97 | 1.00 | 0.58 | 0.71 | 0.81 | 0.83 | 0.96 | 0.39 | 0.50 | 0.59 | 0.61 | 0.73 |
| | | PI | 1.96 | 1.96 | 1.96 | 1.97 | 1.97 | 1.97 | 1.97 | 1.97 | 1.97 | 1.97 | 1.97 | 1.97 | 1.97 | 1.97 | 1.97 | 1.98 | 1.98 | 1.98 | 1.98 | 1.98 |
| | 68°F 20°C | TC | 25045 | 25853 | 26804 | 26973 | 28107 | 26610 | 26619 | 26827 | 27002 | 28139 | 27768 | 27791 | 27799 | 27800 | 28116 | 29984 | 29994 | 30042 | 30047 | 30069 |
| | | S/T | 0.91 | 1.00 | 1.00 | 1.00 | 1.00 | 0.72 | 0.85 | 0.97 | 1.00 | 1.00 | 0.59 | 0.72 | 0.84 | 0.86 | 0.99 | 0.40 | 0.50 | 0.61 | 0.62 | 0.75 |
| | | PI | 1.80 | 1.80 | 1.81 | 1.82 | 1.83 | 1.81 | 1.81 | 1.81 | 1.82 | 1.83 | 1.83 | 1.82 | 1.82 | 1.82 | 1.83 | 1.85 | 1.85 | 1.85 | 1.85 | 1.85 |
| | 77°F 25°C | TC | 23121 | 24007 | 24938 | 25104 | 26213 | 24625 | 24637 | 24920 | 25133 | 26244 | 25749 | 25779 | 25791 | 25820 | 26268 | 27888 | 27913 | 27975 | 27982 | 28013 |
| | | S/T | 0.92 | 1.00 | 1.00 | 1.00 | 1.00 | 0.72 | 0.87 | 0.99 | 1.00 | 1.00 | 0.59 | 0.73 | 0.85 | 0.86 | 1.00 | 0.40 | 0.51 | 0.61 | 0.63 | 0.76 |
| | | PI | 1.66 | 1.66 | 1.67 | 1.67 | 1.68 | 1.67 | 1.67 | 1.67 | 1.67 | 1.68 | 1.68 | 1.68 | 1.68 | 1.68 | 1.68 | 1.70 | 1.70 | 1.70 | 1.70 | 1.69 |
| | 82°F 27.8°C | TC | 23057 | 24034 | 24992 | 25162 | 26307 | 24578 | 24618 | 25022 | 25193 | 26336 | 25728 | 25763 | 25776 | 25816 | 26360 | 27907 | 27943 | 28012 | 28020 | 28054 |
| | | S/T | 0.94 | 1.00 | 1.00 | 1.00 | 1.00 | 0.73 | 0.87 | 1.00 | 1.00 | 1.00 | 0.60 | 0.74 | 0.86 | 0.87 | 1.00 | 0.40 | 0.51 | 0.62 | 0.63 | 0.76 |
| | | PI | 1.81 | 1.82 | 1.83 | 1.83 | 1.83 | 1.82 | 1.82 | 1.83 | 1.83 | 1.84 | 1.83 | 1.83 | 1.83 | 1.83 | 1.84 | 1.85 | 1.85 | 1.85 | 1.85 | 1.85 |
| | 86°F 30°C | TC | 24244 | 25367 | 26396 | 26578 | 27817 | 25845 | 25899 | 26428 | 26610 | 27838 | 27078 | 27110 | 27152 | 27177 | 27864 | 29405 | 29448 | 29517 | 29524 | 29555 |
| | | S/T | 0.95 | 1.00 | 1.00 | 1.00 | 1.00 | 0.74 | 0.88 | 1.00 | 1.00 | 1.00 | 0.60 | 0.75 | 0.86 | 0.88 | 1.00 | 0.40 | 0.51 | 0.62 | 0.64 | 0.77 |
| | | PI | 2.22 | 2.23 | 2.24 | 2.25 | 2.26 | 2.24 | 2.24 | 2.24 | 2.25 | 2.26 | 2.25 | 2.25 | 2.25 | 2.25 | 2.26 | 2.28 | 2.28 | 2.28 | 2.28 | 2.27 |
| | 95°F 35°C | TC | 27238 | 27287 | 27873 | 28037 | 29136 | 28980 | 28987 | 28997 | 28999 | 29195 | 30232 | 30235 | 30250 | 30253 | 30266 | 32636 | 32624 | 32628 | 32626 | 32651 |
| | | S/T | 0.80 | 0.91 | 1.00 | 1.00 | 1.00 | 0.65 | 0.75 | 0.84 | 0.86 | 0.96 | 0.54 | 0.65 | 0.73 | 0.75 | 0.85 | 0.39 | 0.47 | 0.55 | 0.56 | 0.66 |
| | | PI | 3.03 | 3.04 | 3.07 | 3.07 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.14 | 3.20 | 3.20 | 3.20 | 3.20 | 3.20 | 3.33 | 3.33 | 3.33 | 3.33 | 3.33 |
| | 104°F 40°C | TC | 24690 | 24778 | 25492 | 25642 | 26659 | 26270 | 26278 | 26285 | 26287 | 26633 | 27405 | 27410 | 27424 | 27426 | 27435 | 29583 | 29572 | 29578 | 29573 | 29601 |
| | | S/T | 0.82 | 0.94 | 1.00 | 1.00 | 1.00 | 0.66 | 0.77 | 0.86 | 0.88 | 1.00 | 0.55 | 0.66 | 0.75 | 0.77 | 0.87 | 0.39 | 0.47 | 0.56 | 0.58 | 0.67 |
| | | PI | 2.96 | 2.96 | 3.00 | 3.01 | 3.07 | 3.05 | 3.05 | 3.05 | 3.05 | 3.07 | 3.12 | 3.12 | 3.12 | 3.12 | 3.12 | 3.24 | 3.24 | 3.24 | 3.24 | 3.24 |
| | 110°F 43°C | TC | 23011 | 23633 | 24530 | 24689 | 25749 | 24582 | 24591 | 24698 | 24746 | 25778 | 25705 | 25720 | 25728 | 25729 | 25879 | 27863 | 27851 | 27879 | 27883 | 27904 |
| | | S/T | 0.89 | 1.00 | 1.00 | 1.00 | 1.00 | 0.70 | 0.83 | 0.94 | 0.96 | 1.00 | 0.58 | 0.70 | 0.81 | 0.83 | 0.96 | 0.39 | 0.49 | 0.59 | 0.61 | 0.73 |
| | | PI | 2.95 | 2.97 | 3.01 | 3.02 | 3.07 | 3.02 | 3.02 | 3.02 | 3.02 | 3.07 | 3.07 | 3.07 | 3.07 | 3.07 | 3.07 | 3.17 | 3.17 | 3.17 | 3.17 | 3.16 |
| | 115°F 46°C | TC | 18816 | 19524 | 20291 | 20428 | 21338 | 20097 | 20102 | 20277 | 20454 | 21363 | 21056 | 21075 | 21081 | 21081 | 21382 | 22851 | 22841 | 22876 | 22880 | 22891 |
| | | S/T | 0.92 | 1.00 | 1.00 | 1.00 | 1.00 | 0.72 | 0.86 | 0.98 | 1.00 | 1.00 | 0.59 | 0.73 | 0.84 | 0.86 | 1.00 | 0.40 | 0.50 | 0.61 | 0.63 | 0.75 |
| | | PI | 2.52 | 2.55 | 2.58 | 2.59 | 2.62 | 2.57 | 2.57 | 2.58 | 2.59 | 2.62 | 2.62 | 2.62 | 2.62 | 2.62 | 2.62 | 2.69 | 2.69 | 2.69 | 2.69 | 2.69 |
| | 122°F 50°C | TC | 13438 | 14175 | 14805 | 14918 | 15667 | 14061 | 14171 | 14822 | 14935 | 15683 | 14807 | 14806 | 14884 | 14928 | 15697 | 16206 | 16237 | 16246 | 16246 | 16237 |
| | | S/T | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.80 | 0.98 | 1.00 | 1.00 | 1.00 | 0.64 | 0.81 | 0.95 | 0.98 | 1.00 | 0.41 | 0.54 | 0.67 | 0.69 | 0.84 |
| | | PI | 1.99 | 2.01 | 2.02 | 2.03 | 2.04 | 2.01 | 2.01 | 2.02 | 2.03 | 2.04 | 2.03 | 2.02 | 2.02 | 2.03 | 2.04 | 2.07 | 2.06 | 2.06 | 2.06 | 2.06 |

## Table 25 – 36K Cooling — 37MURA + 45MULA (36B) (Continued)

| Airflow CFM | Out-door DB °F | ID WB °F | 60.8°F (16.0°C) | | | | | 64.4°F (16.0°C) | | | | | 67.0°F (19.4°C) | | | | | 71.6°F (22.0°C) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ID DB °F | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C |
| 912 | -13°F 25°C | TC | 34828 | 34812 | 35308 | 35455 | 36430 | 36337 | 36308 | 36285 | 36281 | 36251 | 37424 | 37377 | 37341 | 37336 | 37301 | 39475 | 39464 | 39383 | 39369 | 39285 |
| | | S/T | 0.80 | 0.91 | 1.00 | 1.00 | 1.00 | 0.65 | 0.75 | 0.85 | 0.86 | 0.97 | 0.55 | 0.65 | 0.74 | 0.76 | 0.86 | 0.39 | 0.47 | 0.56 | 0.57 | 0.67 |
| | | PI | 2.63 | 2.63 | 2.63 | 2.63 | 2.62 | 2.62 | 2.62 | 2.62 | 2.62 | 2.62 | 2.62 | 2.62 | 2.62 | 2.62 | 2.62 | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 |
| | -4°F 20°C | TC | 37507 | 37489 | 38024 | 38182 | 39233 | 39133 | 39100 | 39076 | 39072 | 39040 | 40303 | 40252 | 40214 | 40208 | 40170 | 42512 | 42500 | 42413 | 42397 | 42307 |
| | | S/T | 0.80 | 0.92 | 1.00 | 1.00 | 1.00 | 0.65 | 0.76 | 0.85 | 0.87 | 0.98 | 0.55 | 0.65 | 0.74 | 0.76 | 0.86 | 0.39 | 0.48 | 0.56 | 0.57 | 0.67 |
| | | PI | 2.73 | 2.73 | 2.72 | 2.72 | 2.71 | 2.71 | 2.71 | 2.72 | 2.72 | 2.72 | 2.71 | 2.71 | 2.71 | 2.71 | 2.71 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 |
| | 0°F 17.8°C | TC | 38751 | 38728 | 39447 | 39612 | 40700 | 40413 | 40369 | 40337 | 40333 | 40738 | 41601 | 41542 | 41491 | 41484 | 41465 | 43839 | 43828 | 43825 | 43831 | 43859 |
| | | S/T | 0.81 | 0.93 | 1.00 | 1.00 | 1.00 | 0.66 | 0.77 | 0.86 | 0.88 | 1.00 | 0.55 | 0.66 | 0.75 | 0.77 | 0.87 | 0.39 | 0.48 | 0.57 | 0.58 | 0.68 |
| | | PI | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.78 | 2.78 | 2.78 | 2.78 | 2.78 |
| | 5°F 15°C | TC | 39862 | 40000 | 40914 | 41103 | 42369 | 41732 | 41742 | 41745 | 41788 | 42411 | 43066 | 43077 | 43086 | 43087 | 43145 | 45593 | 45579 | 45602 | 45607 | 45627 |
| | | S/T | 0.82 | 0.94 | 1.00 | 1.00 | 1.00 | 0.66 | 0.78 | 0.87 | 0.88 | 1.00 | 0.56 | 0.67 | 0.76 | 0.78 | 0.88 | 0.39 | 0.48 | 0.57 | 0.59 | 0.69 |
| | | PI | 2.77 | 2.77 | 2.78 | 2.78 | 2.79 | 2.79 | 2.79 | 2.79 | 2.79 | 2.80 | 2.80 | 2.80 | 2.81 | 2.81 | 2.81 | 2.87 | 2.87 | 2.87 | 2.87 | 2.87 |
| | 14°F 10°C | TC | 40529 | 40508 | 41335 | 41529 | 42817 | 42541 | 42503 | 42474 | 42470 | 42867 | 43998 | 43943 | 43899 | 43892 | 43847 | 46784 | 46770 | 46680 | 46664 | 46564 |
| | | S/T | 0.81 | 0.93 | 1.00 | 1.00 | 1.00 | 0.65 | 0.76 | 0.86 | 0.87 | 1.00 | 0.55 | 0.66 | 0.75 | 0.76 | 0.87 | 0.39 | 0.48 | 0.56 | 0.57 | 0.67 |
| | | PI | 2.56 | 2.56 | 2.56 | 2.56 | 2.55 | 2.55 | 2.55 | 2.55 | 2.55 | 2.55 | 2.55 | 2.55 | 2.55 | 2.55 | 2.55 | 2.56 | 2.56 | 2.56 | 2.56 | 2.56 |
| | 17°F 10°C | TC | 40655 | 40788 | 41730 | 41934 | 43296 | 42679 | 42696 | 42704 | 42740 | 43342 | 44135 | 44152 | 44169 | 44171 | 44226 | 46939 | 46926 | 46919 | 46927 | 46967 |
| | | S/T | 0.82 | 0.93 | 1.00 | 1.00 | 1.00 | 0.66 | 0.77 | 0.87 | 0.88 | 1.00 | 0.55 | 0.66 | 0.76 | 0.77 | 0.87 | 0.39 | 0.48 | 0.57 | 0.58 | 0.68 |
| | | PI | 2.46 | 2.46 | 2.46 | 2.46 | 2.46 | 2.46 | 2.46 | 2.46 | 2.46 | 2.46 | 2.47 | 2.47 | 2.47 | 2.47 | 2.47 | 2.49 | 2.49 | 2.49 | 2.49 | 2.49 |
| | 23°F 5°C | TC | 40395 | 40569 | 41618 | 41824 | 43202 | 42441 | 42453 | 42458 | 42514 | 43249 | 43904 | 43920 | 43931 | 43932 | 44003 | 46684 | 46669 | 46702 | 46709 | 46736 |
| | | S/T | 0.83 | 0.95 | 1.00 | 1.00 | 1.00 | 0.66 | 0.78 | 0.88 | 0.89 | 1.00 | 0.56 | 0.67 | 0.76 | 0.78 | 0.89 | 0.39 | 0.48 | 0.57 | 0.59 | 0.69 |
| | | PI | 2.41 | 2.41 | 2.42 | 2.42 | 2.44 | 2.43 | 2.43 | 2.43 | 2.43 | 2.44 | 2.45 | 2.45 | 2.45 | 2.45 | 2.45 | 2.49 | 2.49 | 2.49 | 2.49 | 2.49 |
| | 35°F 1.7°C | TC | 40254 | 40256 | 40492 | 40605 | 41915 | 42136 | 42134 | 42138 | 42138 | 42250 | 43455 | 43452 | 43454 | 43455 | 43460 | 45902 | 45891 | 45889 | 45887 | 45890 |
| | | S/T | 0.78 | 0.88 | 0.97 | 0.99 | 1.00 | 0.63 | 0.73 | 0.82 | 0.83 | 0.93 | 0.54 | 0.63 | 0.72 | 0.73 | 0.83 | 0.39 | 0.46 | 0.54 | 0.56 | 0.65 |
| | | PI | 2.17 | 2.18 | 2.19 | 2.20 | 2.29 | 2.31 | 2.31 | 2.31 | 2.31 | 2.31 | 2.41 | 2.41 | 2.41 | 2.41 | 2.41 | 2.62 | 2.62 | 2.62 | 2.62 | 2.62 |
| | 41°F 5°C | TC | 39617 | 39618 | 39933 | 40211 | 41400 | 41460 | 41459 | 41461 | 41461 | 41607 | 42753 | 42751 | 42753 | 42754 | 42756 | 45152 | 45141 | 45138 | 45136 | 45141 |
| | | S/T | 0.78 | 0.89 | 0.98 | 1.00 | 1.00 | 0.64 | 0.74 | 0.83 | 0.84 | 0.94 | 0.54 | 0.64 | 0.72 | 0.74 | 0.84 | 0.39 | 0.47 | 0.55 | 0.56 | 0.66 |
| | | PI | 2.33 | 2.33 | 2.36 | 2.38 | 2.47 | 2.48 | 2.48 | 2.48 | 2.48 | 2.49 | 2.59 | 2.59 | 2.59 | 2.59 | 2.59 | 2.82 | 2.82 | 2.82 | 2.82 | 2.82 |
| | 47°F 8.3°C | TC | 38979 | 39005 | 39528 | 39704 | 40879 | 40786 | 40785 | 40786 | 40785 | 40974 | 42053 | 42049 | 42052 | 42051 | 42051 | 44407 | 44396 | 44392 | 44390 | 44395 |
| | | S/T | 0.79 | 0.90 | 1.00 | 1.00 | 1.00 | 0.64 | 0.75 | 0.84 | 0.85 | 0.96 | 0.54 | 0.65 | 0.73 | 0.75 | 0.85 | 0.39 | 0.47 | 0.55 | 0.57 | 0.67 |
| | | PI | 2.49 | 2.49 | 2.54 | 2.56 | 2.66 | 2.65 | 2.65 | 2.65 | 2.65 | 2.67 | 2.78 | 2.78 | 2.78 | 2.78 | 2.78 | 3.03 | 3.03 | 3.03 | 3.03 | 3.03 |
| | 50°F 10°C | TC | 37452 | 38483 | 39782 | 40013 | 41564 | 39567 | 39588 | 39862 | 39988 | 41603 | 41110 | 41164 | 41185 | 41188 | 41584 | 43944 | 44060 | 44173 | 44186 | 44242 |
| | | S/T | 0.90 | 1.00 | 1.00 | 1.00 | 1.00 | 0.71 | 0.85 | 0.96 | 0.99 | 1.00 | 0.59 | 0.72 | 0.83 | 0.85 | 0.99 | 0.40 | 0.50 | 0.60 | 0.62 | 0.74 |
| | | PI | 2.72 | 2.72 | 2.72 | 2.72 | 2.72 | 2.72 | 2.72 | 2.72 | 2.72 | 2.72 | 2.72 | 2.72 | 2.72 | 2.72 | 2.71 | 2.71 | 2.71 | 2.71 | 2.71 | 2.71 |
| | 59°F 15°C | TC | 34976 | 36203 | 37488 | 37716 | 39251 | 37007 | 37057 | 37478 | 37757 | 39290 | 38533 | 38572 | 38586 | 38642 | 39322 | 41377 | 41460 | 41542 | 41552 | 41586 |
| | | S/T | 0.92 | 1.00 | 1.00 | 1.00 | 1.00 | 0.73 | 0.86 | 1.00 | 1.00 | 1.00 | 0.60 | 0.73 | 0.85 | 0.86 | 1.00 | 0.40 | 0.51 | 0.61 | 0.63 | 0.76 |
| | | PI | 2.51 | 2.52 | 2.52 | 2.52 | 2.53 | 2.52 | 2.52 | 2.52 | 2.52 | 2.53 | 2.53 | 2.53 | 2.53 | 2.53 | 2.53 | 2.55 | 2.54 | 2.54 | 2.54 | 2.54 |
| | 68°F 20°C | TC | 32500 | 33888 | 35144 | 35368 | 36868 | 34407 | 34484 | 35182 | 35406 | 36905 | 35894 | 35921 | 35986 | 36017 | 36935 | 38676 | 38748 | 38809 | 38815 | 38835 |
| | | S/T | 0.95 | 1.00 | 1.00 | 1.00 | 1.00 | 0.74 | 0.89 | 1.00 | 1.00 | 1.00 | 0.61 | 0.75 | 0.87 | 0.89 | 1.00 | 0.40 | 0.51 | 0.63 | 0.65 | 0.78 |
| | | PI | 2.30 | 2.32 | 2.33 | 2.33 | 2.35 | 2.32 | 2.32 | 2.33 | 2.33 | 2.35 | 2.34 | 2.34 | 2.34 | 2.34 | 2.35 | 2.37 | 2.37 | 2.37 | 2.37 | 2.37 |
| | 77°F 25°C | TC | 30017 | 31463 | 32694 | 32912 | 34382 | 31822 | 31923 | 32730 | 32949 | 34417 | 33264 | 33301 | 33386 | 33423 | 34446 | 35926 | 36035 | 36118 | 36127 | 36161 |
| | | S/T | 0.97 | 1.00 | 1.00 | 1.00 | 1.00 | 0.75 | 0.90 | 1.00 | 1.00 | 1.00 | 0.61 | 0.76 | 0.88 | 0.90 | 1.00 | 0.40 | 0.52 | 0.63 | 0.65 | 0.79 |
| | | PI | 2.12 | 2.14 | 2.15 | 2.15 | 2.16 | 2.14 | 2.14 | 2.15 | 2.15 | 2.16 | 2.15 | 2.15 | 2.15 | 2.15 | 2.16 | 2.18 | 2.18 | 2.17 | 2.17 | 2.17 |
| | 82°F 27.8°C | TC | 29956 | 31486 | 32756 | 32978 | 34488 | 31744 | 31867 | 32784 | 33015 | 34524 | 33221 | 33263 | 33366 | 33408 | 34554 | 35919 | 36054 | 36148 | 36158 | 36197 |
| | | S/T | 0.99 | 1.00 | 1.00 | 1.00 | 1.00 | 0.76 | 0.91 | 1.00 | 1.00 | 1.00 | 0.62 | 0.77 | 0.89 | 0.92 | 1.00 | 0.40 | 0.52 | 0.64 | 0.66 | 0.80 |
| | | PI | 2.32 | 2.33 | 2.34 | 2.34 | 2.36 | 2.34 | 2.34 | 2.34 | 2.35 | 2.36 | 2.35 | 2.35 | 2.35 | 2.35 | 2.36 | 2.38 | 2.37 | 2.37 | 2.37 | 2.37 |
| | 86°F 30°C | TC | 31669 | 33250 | 34610 | 34851 | 36474 | 33398 | 33551 | 34648 | 34891 | 36512 | 34980 | 35020 | 35149 | 35199 | 36543 | 37870 | 38016 | 38106 | 38116 | 38151 |
| | | S/T | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.77 | 0.93 | 1.00 | 1.00 | 1.00 | 0.62 | 0.78 | 0.91 | 0.93 | 1.00 | 0.40 | 0.52 | 0.64 | 0.66 | 0.81 |
| | | PI | 2.85 | 2.87 | 2.88 | 2.88 | 2.90 | 2.87 | 2.87 | 2.88 | 2.88 | 2.90 | 2.89 | 2.89 | 2.89 | 2.89 | 2.90 | 2.93 | 2.92 | 2.92 | 2.92 | 2.92 |
| | 95°F 35°C | TC | 35300 | 35491 | 36638 | 36855 | 38312 | 37517 | 37538 | 37550 | 37595 | 38360 | 39127 | 39135 | 39159 | 39162 | 39227 | 42161 | 42145 | 42153 | 42165 | 42222 |
| | | S/T | 0.83 | 0.95 | 1.00 | 1.00 | 1.00 | 0.66 | 0.78 | 0.88 | 0.89 | 1.00 | 0.56 | 0.67 | 0.76 | 0.78 | 0.88 | 0.39 | 0.48 | 0.57 | 0.58 | 0.68 |
| | | PI | 3.89 | 3.89 | 3.96 | 3.97 | 4.05 | 4.01 | 4.01 | 4.01 | 4.01 | 4.05 | 4.10 | 4.10 | 4.10 | 4.10 | 4.10 | 4.27 | 4.27 | 4.27 | 4.27 | 4.27 |
| | 104°F 40°C | TC | 32000 | 32293 | 33509 | 33710 | 35055 | 34016 | 34035 | 34095 | 34132 | 35098 | 35468 | 35482 | 35500 | 35502 | 35603 | 38228 | 38214 | 38232 | 38245 | 38285 |
| | | S/T | 0.85 | 0.98 | 1.00 | 1.00 | 1.00 | 0.68 | 0.80 | 0.90 | 0.92 | 1.00 | 0.56 | 0.68 | 0.78 | 0.80 | 0.91 | 0.39 | 0.48 | 0.58 | 0.59 | 0.70 |
| | | PI | 3.79 | 3.81 | 3.88 | 3.89 | 3.97 | 3.91 | 3.91 | 3.91 | 3.91 | 3.97 | 4.00 | 3.99 | 3.99 | 3.99 | 4.00 | 4.16 | 4.16 | 4.16 | 4.16 | 4.16 |
| | 110°F 43°C | TC | 29905 | 31054 | 32238 | 32447 | 33853 | 31838 | 31848 | 32203 | 32485 | 33888 | 33271 | 33297 | 33305 | 33331 | 33918 | 36012 | 36014 | 36070 | 36076 | 36096 |
| | | S/T | 0.92 | 1.00 | 1.00 | 1.00 | 1.00 | 0.72 | 0.87 | 0.99 | 1.00 | 1.00 | 0.60 | 0.73 | 0.85 | 0.86 | 1.00 | 0.40 | 0.51 | 0.61 | 0.63 | 0.76 |
| | | PI | 3.78 | 3.83 | 3.88 | 3.89 | 3.96 | 3.87 | 3.87 | 3.88 | 3.90 | 3.96 | 3.93 | 3.93 | 3.93 | 3.93 | 3.96 | 4.06 | 4.06 | 4.06 | 4.06 | 4.06 |
| | 115°F 46°C | TC | 24470 | 25648 | 26662 | 26861 | 28044 | 26022 | 26074 | 26692 | 26895 | 28072 | 27235 | 27252 | 27289 | 27316 | 28096 | 29531 | 29553 | 29594 | 29598 | 29607 |
| | | S/T | 0.96 | 1.00 | 1.00 | 1.00 | 1.00 | 0.75 | 0.89 | 1.00 | 1.00 | 1.00 | 0.61 | 0.75 | 0.87 | 0.90 | 1.00 | 0.40 | 0.52 | 0.63 | 0.65 | 0.78 |
| | | PI | 3.25 | 3.29 | 3.33 | 3.35 | 3.39 | 3.31 | 3.31 | 3.33 | 3.35 | 3.39 | 3.36 | 3.36 | 3.36 | 3.36 | 3.39 | 3.46 | 3.46 | 3.45 | 3.45 | 3.45 |
| | 122°F 50°C | TC | 17445 | 18408 | 19232 | 19376 | 20354 | 18002 | 18427 | 19254 | 19397 | 20373 | 18958 | 18952 | 19267 | 19412 | 20386 | 20700 | 20781 | 20785 | 20784 | 20811 |
| | | S/T | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.84 | 1.00 | 1.00 | 1.00 | 1.00 | 0.67 | 0.85 | 1.00 | 1.00 | 1.00 | 0.41 | 0.55 | 0.69 | 0.72 | 0.88 |
| | | PI | 2.55 | 2.58 | 2.60 | 2.60 | 2.62 | 2.57 | 2.58 | 2.60 | 2.60 | 2.62 | 2.59 | 2.59 | 2.60 | 2.60 | 2.62 | 2.65 | 2.64 | 2.64 | 2.63 | 2.63 |

## Table 26 – 36K Cooling — 37MURA + 45MULA (36C)

| Airflow CFM | Out-door DB °F | ID WB °F | 60.8°F (16.0°C) | | | | | 64.4°F (16.0°C) | | | | | 67.0°F (19.4°C) | | | | | 71.6°F (22.0°C) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ID DB °F | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C |
| 684 | -13°F 25°C | TC | 26861 | 26851 | 26844 | 27000 | 27795 | 28043 | 28028 | 28015 | 28013 | 27994 | 28880 | 28865 | 28846 | 28843 | 28823 | 30465 | 30457 | 30435 | 30427 | 30382 |
| | | S/T | 0.77 | 0.88 | 0.97 | 1.00 | 1.00 | 0.63 | 0.73 | 0.81 | 0.83 | 0.93 | 0.54 | 0.63 | 0.71 | 0.73 | 0.83 | 0.39 | 0.46 | 0.54 | 0.56 | 0.65 |
| | | PI | 2.06 | 2.06 | 2.06 | 2.06 | 2.05 | 2.05 | 2.05 | 2.05 | 2.05 | 2.05 | 2.04 | 2.04 | 2.04 | 2.04 | 2.04 | 2.05 | 2.05 | 2.05 | 2.05 | 2.05 |
| | -4°F 20°C | TC | 28927 | 28917 | 28909 | 29077 | 29933 | 30201 | 30184 | 30170 | 30168 | 30147 | 31102 | 31086 | 31065 | 31062 | 31040 | 32809 | 32800 | 32776 | 32768 | 32719 |
| | | S/T | 0.78 | 0.88 | 0.97 | 1.00 | 1.00 | 0.63 | 0.73 | 0.82 | 0.83 | 0.93 | 0.54 | 0.64 | 0.72 | 0.73 | 0.83 | 0.39 | 0.47 | 0.55 | 0.56 | 0.65 |
| | | PI | 2.13 | 2.13 | 2.13 | 2.13 | 2.12 | 2.12 | 2.12 | 2.12 | 2.12 | 2.12 | 2.11 | 2.11 | 2.12 | 2.12 | 2.12 | 2.12 | 2.12 | 2.12 | 2.12 | 2.12 |
| | 0°F 17.8°C | TC | 29882 | 29869 | 29984 | 30213 | 31049 | 31185 | 31161 | 31143 | 31140 | 31135 | 32099 | 32081 | 32051 | 32047 | 32018 | 33829 | 33819 | 33821 | 33824 | 33850 |
| | | S/T | 0.78 | 0.89 | 0.99 | 1.00 | 1.00 | 0.64 | 0.74 | 0.83 | 0.84 | 0.95 | 0.54 | 0.64 | 0.73 | 0.74 | 0.84 | 0.39 | 0.47 | 0.55 | 0.57 | 0.66 |
| | | PI | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.14 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.17 | 2.17 | 2.17 | 2.17 | 2.17 |
| | 5°F 15°C | TC | 30760 | 30788 | 31203 | 31346 | 32305 | 32223 | 32230 | 32234 | 32234 | 32393 | 33278 | 33275 | 33284 | 33285 | 33289 | 35266 | 35256 | 35256 | 35259 | 35278 |
| | | S/T | 0.79 | 0.90 | 1.00 | 1.00 | 1.00 | 0.64 | 0.75 | 0.84 | 0.85 | 0.96 | 0.54 | 0.65 | 0.73 | 0.75 | 0.85 | 0.39 | 0.47 | 0.55 | 0.57 | 0.66 |
| | | PI | 2.17 | 2.17 | 2.17 | 2.17 | 2.18 | 2.17 | 2.18 | 2.18 | 2.18 | 2.18 | 2.19 | 2.19 | 2.19 | 2.19 | 2.19 | 2.23 | 2.23 | 2.23 | 2.23 | 2.23 |
| | 14°F 10°C | TC | 31251 | 31239 | 31369 | 31643 | 32625 | 32820 | 32801 | 32785 | 32783 | 32765 | 33954 | 33938 | 33912 | 33907 | 33878 | 36089 | 36078 | 36052 | 36044 | 35988 |
| | | S/T | 0.78 | 0.89 | 0.99 | 1.00 | 1.00 | 0.64 | 0.74 | 0.82 | 0.84 | 0.94 | 0.54 | 0.64 | 0.72 | 0.74 | 0.83 | 0.39 | 0.47 | 0.55 | 0.56 | 0.65 |
| | | PI | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 1.99 | 1.99 | 1.99 | 1.99 | 2.00 | 1.99 | 1.99 | 1.99 | 1.99 | 1.99 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 |
| | 17°F 10°C | TC | 31453 | 31461 | 31846 | 32030 | 33061 | 33032 | 33035 | 33042 | 33043 | 33199 | 34085 | 34099 | 34121 | 34122 | 34131 | 36353 | 36341 | 36345 | 36352 | 36386 |
| | | S/T | 0.79 | 0.89 | 1.00 | 1.00 | 1.00 | 0.64 | 0.74 | 0.83 | 0.85 | 0.95 | 0.55 | 0.65 | 0.73 | 0.75 | 0.85 | 0.39 | 0.47 | 0.55 | 0.57 | 0.66 |
| | | PI | 1.93 | 1.93 | 1.93 | 1.93 | 1.92 | 1.92 | 1.92 | 1.92 | 1.92 | 1.92 | 1.92 | 1.92 | 1.92 | 1.92 | 1.92 | 1.94 | 1.94 | 1.94 | 1.94 | 1.94 |
| | 23°F 5°C | TC | 31172 | 31215 | 31723 | 31879 | 32921 | 32772 | 32780 | 32784 | 32785 | 32979 | 33927 | 33926 | 33937 | 33938 | 33944 | 36114 | 36104 | 36105 | 36110 | 36134 |
| | | S/T | 0.80 | 0.91 | 1.00 | 1.00 | 1.00 | 0.65 | 0.75 | 0.84 | 0.86 | 0.97 | 0.54 | 0.65 | 0.74 | 0.75 | 0.85 | 0.39 | 0.47 | 0.56 | 0.57 | 0.66 |
| | | PI | 1.88 | 1.88 | 1.89 | 1.89 | 1.90 | 1.90 | 1.90 | 1.90 | 1.90 | 1.90 | 1.91 | 1.91 | 1.91 | 1.91 | 1.91 | 1.94 | 1.94 | 1.94 | 1.94 | 1.94 |
| | 35°F 1.7°C | TC | 31040 | 31040 | 31100 | 31135 | 31936 | 32529 | 32524 | 32526 | 32527 | 32527 | 33574 | 33572 | 33568 | 33568 | 33572 | 35519 | 35510 | 35503 | 35508 | 35502 |
| | | S/T | 0.75 | 0.85 | 0.93 | 0.94 | 1.00 | 0.62 | 0.71 | 0.79 | 0.80 | 0.89 | 0.53 | 0.62 | 0.69 | 0.71 | 0.80 | 0.39 | 0.46 | 0.53 | 0.54 | 0.63 |
| | | PI | 1.70 | 1.70 | 1.70 | 1.70 | 1.76 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.88 | 1.88 | 1.88 | 1.88 | 1.88 | 2.04 | 2.04 | 2.04 | 2.04 | 2.04 |
| | 41°F 5°C | TC | 30550 | 30551 | 30636 | 30677 | 31548 | 32009 | 32005 | 32006 | 32007 | 32035 | 33033 | 33029 | 33027 | 33027 | 33031 | 34935 | 34926 | 34919 | 34923 | 34918 |
| | | S/T | 0.76 | 0.86 | 0.94 | 0.96 | 1.00 | 0.62 | 0.72 | 0.80 | 0.81 | 0.90 | 0.53 | 0.62 | 0.70 | 0.71 | 0.81 | 0.39 | 0.46 | 0.53 | 0.55 | 0.64 |
| | | PI | 1.82 | 1.82 | 1.83 | 1.83 | 1.90 | 1.93 | 1.93 | 1.93 | 1.93 | 1.94 | 2.02 | 2.02 | 2.02 | 2.02 | 2.02 | 2.20 | 2.20 | 2.20 | 2.20 | 2.20 |
| | 47°F 8.3°C | TC | 30058 | 30058 | 30174 | 30226 | 31156 | 31488 | 31484 | 31485 | 31485 | 31532 | 32491 | 32488 | 32485 | 32485 | 32487 | 34356 | 34347 | 34344 | 34343 | 34338 |
| | | S/T | 0.77 | 0.87 | 0.95 | 0.97 | 1.00 | 0.63 | 0.72 | 0.81 | 0.82 | 0.91 | 0.53 | 0.63 | 0.71 | 0.72 | 0.82 | 0.39 | 0.46 | 0.54 | 0.55 | 0.64 |
| | | PI | 1.94 | 1.94 | 1.95 | 1.96 | 2.04 | 2.07 | 2.07 | 2.07 | 2.07 | 2.07 | 2.17 | 2.17 | 2.17 | 2.17 | 2.17 | 2.36 | 2.36 | 2.36 | 2.36 | 2.36 |
| | 50°F 10°C | TC | 28858 | 29329 | 30309 | 30482 | 31650 | 30553 | 30571 | 30670 | 30710 | 31687 | 31756 | 31797 | 31816 | 31818 | 31961 | 34044 | 34061 | 34143 | 34153 | 34198 |
| | | S/T | 0.87 | 1.00 | 1.00 | 1.00 | 1.00 | 0.69 | 0.81 | 0.92 | 0.94 | 1.00 | 0.57 | 0.69 | 0.80 | 0.81 | 0.93 | 0.39 | 0.49 | 0.58 | 0.60 | 0.71 |
| | | PI | 2.12 | 2.12 | 2.12 | 2.12 | 2.12 | 2.12 | 2.12 | 2.12 | 2.12 | 2.12 | 2.12 | 2.12 | 2.12 | 2.12 | 2.12 | 2.12 | 2.12 | 2.11 | 2.11 | 2.11 |
| | 59°F 15°C | TC | 26933 | 27582 | 28552 | 28724 | 29880 | 28577 | 28589 | 28731 | 28787 | 29914 | 29763 | 29795 | 29807 | 29809 | 30005 | 32036 | 32045 | 32108 | 32115 | 32146 |
| | | S/T | 0.88 | 1.00 | 1.00 | 1.00 | 1.00 | 0.70 | 0.83 | 0.94 | 0.97 | 1.00 | 0.58 | 0.71 | 0.81 | 0.83 | 0.96 | 0.39 | 0.50 | 0.59 | 0.61 | 0.73 |
| | | PI | 1.96 | 1.96 | 1.96 | 1.97 | 1.97 | 1.97 | 1.97 | 1.97 | 1.97 | 1.97 | 1.97 | 1.97 | 1.97 | 1.97 | 1.97 | 1.98 | 1.98 | 1.98 | 1.98 | 1.98 |
| | 68°F 20°C | TC | 25045 | 25853 | 26804 | 26973 | 28107 | 26610 | 26619 | 26827 | 27002 | 28139 | 27768 | 27791 | 27799 | 27800 | 28116 | 29984 | 29994 | 30042 | 30047 | 30069 |
| | | S/T | 0.91 | 1.00 | 1.00 | 1.00 | 1.00 | 0.72 | 0.85 | 0.97 | 1.00 | 1.00 | 0.59 | 0.72 | 0.84 | 0.86 | 0.99 | 0.40 | 0.50 | 0.61 | 0.62 | 0.75 |
| | | PI | 1.80 | 1.80 | 1.81 | 1.82 | 1.83 | 1.81 | 1.81 | 1.81 | 1.82 | 1.83 | 1.83 | 1.82 | 1.82 | 1.82 | 1.83 | 1.85 | 1.85 | 1.85 | 1.85 | 1.85 |
| | 77°F 25°C | TC | 23121 | 24007 | 24938 | 25104 | 26213 | 24625 | 24637 | 24920 | 25133 | 26244 | 25749 | 25779 | 25791 | 25820 | 26268 | 27888 | 27913 | 27975 | 27982 | 28013 |
| | | S/T | 0.92 | 1.00 | 1.00 | 1.00 | 1.00 | 0.72 | 0.87 | 0.99 | 1.00 | 1.00 | 0.59 | 0.73 | 0.85 | 0.86 | 1.00 | 0.40 | 0.51 | 0.61 | 0.63 | 0.76 |
| | | PI | 1.66 | 1.66 | 1.67 | 1.67 | 1.68 | 1.67 | 1.67 | 1.67 | 1.67 | 1.68 | 1.68 | 1.68 | 1.68 | 1.68 | 1.68 | 1.70 | 1.70 | 1.70 | 1.70 | 1.69 |
| | 82°F 27.8°C | TC | 23057 | 24034 | 24992 | 25162 | 26307 | 24578 | 24618 | 25022 | 25193 | 26336 | 25728 | 25763 | 25776 | 25816 | 26360 | 27907 | 27943 | 28012 | 28020 | 28054 |
| | | S/T | 0.94 | 1.00 | 1.00 | 1.00 | 1.00 | 0.73 | 0.87 | 1.00 | 1.00 | 1.00 | 0.60 | 0.74 | 0.86 | 0.87 | 1.00 | 0.40 | 0.51 | 0.62 | 0.63 | 0.76 |
| | | PI | 1.81 | 1.82 | 1.83 | 1.83 | 1.83 | 1.82 | 1.82 | 1.83 | 1.83 | 1.84 | 1.83 | 1.83 | 1.83 | 1.83 | 1.84 | 1.85 | 1.85 | 1.85 | 1.85 | 1.85 |
| | 86°F 30°C | TC | 24244 | 25367 | 26396 | 26578 | 27817 | 25845 | 25899 | 26428 | 26610 | 27838 | 27078 | 27110 | 27152 | 27177 | 27864 | 29405 | 29448 | 29517 | 29524 | 29555 |
| | | S/T | 0.95 | 1.00 | 1.00 | 1.00 | 1.00 | 0.74 | 0.88 | 1.00 | 1.00 | 1.00 | 0.60 | 0.75 | 0.86 | 0.88 | 1.00 | 0.40 | 0.51 | 0.62 | 0.64 | 0.77 |
| | | PI | 2.22 | 2.23 | 2.24 | 2.25 | 2.26 | 2.24 | 2.24 | 2.24 | 2.25 | 2.26 | 2.25 | 2.25 | 2.25 | 2.25 | 2.26 | 2.28 | 2.28 | 2.28 | 2.28 | 2.27 |
| | 95°F 35°C | TC | 27238 | 27287 | 27873 | 28037 | 29136 | 28980 | 28987 | 28997 | 28999 | 29195 | 30232 | 30235 | 30250 | 30253 | 30266 | 32636 | 32624 | 32628 | 32626 | 32651 |
| | | S/T | 0.80 | 0.91 | 1.00 | 1.00 | 1.00 | 0.65 | 0.75 | 0.84 | 0.86 | 0.96 | 0.54 | 0.65 | 0.73 | 0.75 | 0.85 | 0.39 | 0.47 | 0.55 | 0.56 | 0.66 |
| | | PI | 3.03 | 3.04 | 3.07 | 3.07 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.14 | 3.20 | 3.20 | 3.20 | 3.20 | 3.20 | 3.33 | 3.33 | 3.33 | 3.33 | 3.33 |
| | 104°F 40°C | TC | 24690 | 24778 | 25492 | 25642 | 26659 | 26270 | 26278 | 26285 | 26287 | 26633 | 27405 | 27410 | 27424 | 27426 | 27435 | 29583 | 29572 | 29578 | 29573 | 29601 |
| | | S/T | 0.82 | 0.94 | 1.00 | 1.00 | 1.00 | 0.66 | 0.77 | 0.86 | 0.88 | 1.00 | 0.55 | 0.66 | 0.75 | 0.77 | 0.87 | 0.39 | 0.47 | 0.56 | 0.58 | 0.67 |
| | | PI | 2.96 | 2.96 | 3.00 | 3.01 | 3.07 | 3.05 | 3.05 | 3.05 | 3.05 | 3.07 | 3.12 | 3.12 | 3.12 | 3.12 | 3.12 | 3.24 | 3.24 | 3.24 | 3.24 | 3.24 |
| | 110°F 43°C | TC | 23011 | 23633 | 24530 | 24689 | 25749 | 24582 | 24591 | 24698 | 24746 | 25778 | 25705 | 25720 | 25728 | 25729 | 25879 | 27863 | 27851 | 27879 | 27883 | 27904 |
| | | S/T | 0.89 | 1.00 | 1.00 | 1.00 | 1.00 | 0.70 | 0.83 | 0.94 | 0.96 | 1.00 | 0.58 | 0.70 | 0.81 | 0.83 | 0.96 | 0.39 | 0.49 | 0.59 | 0.61 | 0.73 |
| | | PI | 2.95 | 2.97 | 3.01 | 3.02 | 3.07 | 3.02 | 3.02 | 3.02 | 3.02 | 3.07 | 3.07 | 3.07 | 3.07 | 3.07 | 3.07 | 3.17 | 3.17 | 3.17 | 3.17 | 3.16 |
| | 115°F 46°C | TC | 18816 | 19524 | 20291 | 20428 | 21338 | 20097 | 20102 | 20277 | 20454 | 21363 | 21056 | 21075 | 21081 | 21081 | 21382 | 22851 | 22841 | 22876 | 22880 | 22891 |
| | | S/T | 0.92 | 1.00 | 1.00 | 1.00 | 1.00 | 0.72 | 0.86 | 0.98 | 1.00 | 1.00 | 0.59 | 0.73 | 0.84 | 0.86 | 1.00 | 0.40 | 0.50 | 0.61 | 0.63 | 0.75 |
| | | PI | 2.52 | 2.55 | 2.58 | 2.59 | 2.62 | 2.57 | 2.57 | 2.58 | 2.59 | 2.62 | 2.62 | 2.62 | 2.62 | 2.62 | 2.62 | 2.69 | 2.69 | 2.69 | 2.69 | 2.69 |
| | 122°F 50°C | TC | 13438 | 14175 | 14805 | 14918 | 15667 | 14061 | 14171 | 14822 | 14935 | 15683 | 14807 | 14806 | 14884 | 14928 | 15697 | 16206 | 16237 | 16246 | 16246 | 16237 |
| | | S/T | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.80 | 0.98 | 1.00 | 1.00 | 1.00 | 0.64 | 0.81 | 0.95 | 0.98 | 1.00 | 0.41 | 0.54 | 0.67 | 0.69 | 0.84 |
| | | PI | 1.99 | 2.01 | 2.02 | 2.03 | 2.04 | 2.01 | 2.01 | 2.02 | 2.03 | 2.04 | 2.03 | 2.02 | 2.02 | 2.03 | 2.04 | 2.07 | 2.06 | 2.06 | 2.06 | 2.06 |

## Table 26 – 36K Cooling — 37MURA + 45MULA (36C) (Continued)

| Airflow CFM | Out-door DB °F | ID WB °F | 60.8°F (16.0°C) | | | | | 64.4°F (16.0°C) | | | | | 67.0°F (19.4°C) | | | | | 71.6°F (22.0°C) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ID DB °F | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C |
| 912 | -13°F 25°C | TC | 34828 | 34812 | 35308 | 35455 | 36430 | 36337 | 36308 | 36285 | 36281 | 36251 | 37424 | 37377 | 37341 | 37336 | 37301 | 39475 | 39464 | 39383 | 39369 | 39285 |
| | | S/T | 0.80 | 0.91 | 1.00 | 1.00 | 1.00 | 0.65 | 0.75 | 0.85 | 0.86 | 0.97 | 0.55 | 0.65 | 0.74 | 0.76 | 0.86 | 0.39 | 0.47 | 0.56 | 0.57 | 0.67 |
| | | PI | 2.63 | 2.63 | 2.63 | 2.63 | 2.62 | 2.62 | 2.62 | 2.62 | 2.62 | 2.62 | 2.62 | 2.62 | 2.62 | 2.62 | 2.62 | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 |
| | -4°F 20°C | TC | 37507 | 37489 | 38024 | 38182 | 39233 | 39133 | 39100 | 39076 | 39072 | 39040 | 40303 | 40252 | 40214 | 40208 | 40170 | 42512 | 42500 | 42413 | 42397 | 42307 |
| | | S/T | 0.80 | 0.92 | 1.00 | 1.00 | 1.00 | 0.65 | 0.76 | 0.85 | 0.87 | 0.98 | 0.55 | 0.65 | 0.74 | 0.76 | 0.86 | 0.39 | 0.48 | 0.56 | 0.57 | 0.67 |
| | | PI | 2.73 | 2.73 | 2.72 | 2.72 | 2.71 | 2.71 | 2.71 | 2.72 | 2.72 | 2.72 | 2.71 | 2.71 | 2.71 | 2.71 | 2.71 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 |
| | 0°F 17.8°C | TC | 38751 | 38728 | 39447 | 39612 | 40700 | 40413 | 40369 | 40337 | 40333 | 40738 | 41601 | 41542 | 41491 | 41484 | 41465 | 43839 | 43828 | 43825 | 43831 | 43859 |
| | | S/T | 0.81 | 0.93 | 1.00 | 1.00 | 1.00 | 0.66 | 0.77 | 0.86 | 0.88 | 1.00 | 0.55 | 0.66 | 0.75 | 0.77 | 0.87 | 0.39 | 0.48 | 0.57 | 0.58 | 0.68 |
| | | PI | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.78 | 2.78 | 2.78 | 2.78 | 2.78 |
| | 5°F 15°C | TC | 39862 | 40000 | 40914 | 41103 | 42369 | 41732 | 41742 | 41745 | 41788 | 42411 | 43066 | 43077 | 43086 | 43087 | 43145 | 45593 | 45579 | 45602 | 45607 | 45627 |
| | | S/T | 0.82 | 0.94 | 1.00 | 1.00 | 1.00 | 0.66 | 0.78 | 0.87 | 0.88 | 1.00 | 0.56 | 0.67 | 0.76 | 0.78 | 0.88 | 0.39 | 0.48 | 0.57 | 0.59 | 0.69 |
| | | PI | 2.77 | 2.77 | 2.78 | 2.78 | 2.79 | 2.79 | 2.79 | 2.79 | 2.79 | 2.80 | 2.80 | 2.80 | 2.81 | 2.81 | 2.81 | 2.87 | 2.87 | 2.87 | 2.87 | 2.87 |
| | 14°F 10°C | TC | 40529 | 40508 | 41335 | 41529 | 42817 | 42541 | 42503 | 42474 | 42470 | 42867 | 43998 | 43943 | 43899 | 43892 | 43847 | 46784 | 46770 | 46680 | 46664 | 46564 |
| | | S/T | 0.81 | 0.93 | 1.00 | 1.00 | 1.00 | 0.65 | 0.76 | 0.86 | 0.87 | 1.00 | 0.55 | 0.66 | 0.75 | 0.76 | 0.87 | 0.39 | 0.48 | 0.56 | 0.57 | 0.67 |
| | | PI | 2.56 | 2.56 | 2.56 | 2.56 | 2.55 | 2.55 | 2.55 | 2.55 | 2.55 | 2.55 | 2.55 | 2.55 | 2.55 | 2.55 | 2.55 | 2.56 | 2.56 | 2.56 | 2.56 | 2.56 |
| | 17°F 10°C | TC | 40655 | 40788 | 41730 | 41934 | 43296 | 42679 | 42696 | 42704 | 42740 | 43342 | 44135 | 44152 | 44169 | 44171 | 44226 | 46939 | 46926 | 46919 | 46927 | 46967 |
| | | S/T | 0.82 | 0.93 | 1.00 | 1.00 | 1.00 | 0.66 | 0.77 | 0.87 | 0.88 | 1.00 | 0.55 | 0.66 | 0.76 | 0.77 | 0.87 | 0.39 | 0.48 | 0.57 | 0.58 | 0.68 |
| | | PI | 2.46 | 2.46 | 2.46 | 2.46 | 2.46 | 2.46 | 2.46 | 2.46 | 2.46 | 2.46 | 2.47 | 2.47 | 2.47 | 2.47 | 2.47 | 2.49 | 2.49 | 2.49 | 2.49 | 2.49 |
| | 23°F 5°C | TC | 40395 | 40569 | 41618 | 41824 | 43202 | 42441 | 42453 | 42458 | 42514 | 43249 | 43904 | 43920 | 43931 | 43932 | 44003 | 46684 | 46669 | 46702 | 46709 | 46736 |
| | | S/T | 0.83 | 0.95 | 1.00 | 1.00 | 1.00 | 0.66 | 0.78 | 0.88 | 0.89 | 1.00 | 0.56 | 0.67 | 0.76 | 0.78 | 0.89 | 0.39 | 0.48 | 0.57 | 0.59 | 0.69 |
| | | PI | 2.41 | 2.41 | 2.42 | 2.42 | 2.44 | 2.43 | 2.43 | 2.43 | 2.43 | 2.44 | 2.45 | 2.45 | 2.45 | 2.45 | 2.45 | 2.49 | 2.49 | 2.49 | 2.49 | 2.49 |
| | 35°F 1.7°C | TC | 40254 | 40256 | 40492 | 40605 | 41915 | 42136 | 42134 | 42138 | 42138 | 42250 | 43455 | 43452 | 43454 | 43455 | 43460 | 45902 | 45891 | 45889 | 45887 | 45890 |
| | | S/T | 0.78 | 0.88 | 0.97 | 0.99 | 1.00 | 0.63 | 0.73 | 0.82 | 0.83 | 0.93 | 0.54 | 0.63 | 0.72 | 0.73 | 0.83 | 0.39 | 0.46 | 0.54 | 0.56 | 0.65 |
| | | PI | 2.17 | 2.18 | 2.19 | 2.20 | 2.29 | 2.31 | 2.31 | 2.31 | 2.31 | 2.31 | 2.41 | 2.41 | 2.41 | 2.41 | 2.41 | 2.62 | 2.62 | 2.62 | 2.62 | 2.62 |
| | 41°F 5°C | TC | 39617 | 39618 | 39933 | 40211 | 41400 | 41460 | 41459 | 41461 | 41461 | 41607 | 42753 | 42751 | 42753 | 42754 | 42756 | 45152 | 45141 | 45138 | 45136 | 45141 |
| | | S/T | 0.78 | 0.89 | 0.98 | 1.00 | 1.00 | 0.64 | 0.74 | 0.83 | 0.84 | 0.94 | 0.54 | 0.64 | 0.72 | 0.74 | 0.84 | 0.39 | 0.47 | 0.55 | 0.56 | 0.66 |
| | | PI | 2.33 | 2.33 | 2.36 | 2.38 | 2.47 | 2.48 | 2.48 | 2.48 | 2.48 | 2.49 | 2.59 | 2.59 | 2.59 | 2.59 | 2.59 | 2.82 | 2.82 | 2.82 | 2.82 | 2.82 |
| | 47°F 8.3°C | TC | 38979 | 39005 | 39528 | 39704 | 40879 | 40786 | 40785 | 40786 | 40785 | 40974 | 42053 | 42049 | 42052 | 42051 | 42051 | 44407 | 44396 | 44392 | 44390 | 44395 |
| | | S/T | 0.79 | 0.90 | 1.00 | 1.00 | 1.00 | 0.64 | 0.75 | 0.84 | 0.85 | 0.96 | 0.54 | 0.65 | 0.73 | 0.75 | 0.85 | 0.39 | 0.47 | 0.55 | 0.57 | 0.67 |
| | | PI | 2.49 | 2.49 | 2.54 | 2.56 | 2.66 | 2.65 | 2.65 | 2.65 | 2.65 | 2.67 | 2.78 | 2.78 | 2.78 | 2.78 | 2.78 | 3.03 | 3.03 | 3.03 | 3.03 | 3.03 |
| | 50°F 10°C | TC | 37452 | 38483 | 39782 | 40013 | 41564 | 39567 | 39588 | 39862 | 39988 | 41603 | 41110 | 41164 | 41185 | 41188 | 41584 | 43944 | 44060 | 44173 | 44186 | 44242 |
| | | S/T | 0.90 | 1.00 | 1.00 | 1.00 | 1.00 | 0.71 | 0.85 | 0.96 | 0.99 | 1.00 | 0.59 | 0.72 | 0.83 | 0.85 | 0.99 | 0.40 | 0.50 | 0.60 | 0.62 | 0.74 |
| | | PI | 2.72 | 2.72 | 2.72 | 2.72 | 2.72 | 2.72 | 2.72 | 2.72 | 2.72 | 2.72 | 2.72 | 2.72 | 2.72 | 2.72 | 2.71 | 2.71 | 2.71 | 2.71 | 2.71 | 2.71 |
| | 59°F 15°C | TC | 34976 | 36203 | 37488 | 37716 | 39251 | 37007 | 37057 | 37478 | 37757 | 39290 | 38533 | 38572 | 38586 | 38642 | 39322 | 41377 | 41460 | 41542 | 41552 | 41586 |
| | | S/T | 0.92 | 1.00 | 1.00 | 1.00 | 1.00 | 0.73 | 0.86 | 1.00 | 1.00 | 1.00 | 0.60 | 0.73 | 0.85 | 0.86 | 1.00 | 0.40 | 0.51 | 0.61 | 0.63 | 0.76 |
| | | PI | 2.51 | 2.52 | 2.52 | 2.52 | 2.53 | 2.52 | 2.52 | 2.52 | 2.52 | 2.53 | 2.53 | 2.53 | 2.53 | 2.53 | 2.53 | 2.55 | 2.54 | 2.54 | 2.54 | 2.54 |
| | 68°F 20°C | TC | 32500 | 33888 | 35144 | 35368 | 36868 | 34407 | 34484 | 35182 | 35406 | 36905 | 35894 | 35921 | 35986 | 36017 | 36935 | 38676 | 38748 | 38809 | 38815 | 38835 |
| | | S/T | 0.95 | 1.00 | 1.00 | 1.00 | 1.00 | 0.74 | 0.89 | 1.00 | 1.00 | 1.00 | 0.61 | 0.75 | 0.87 | 0.89 | 1.00 | 0.40 | 0.51 | 0.63 | 0.65 | 0.78 |
| | | PI | 2.30 | 2.32 | 2.33 | 2.33 | 2.35 | 2.32 | 2.32 | 2.33 | 2.33 | 2.35 | 2.34 | 2.34 | 2.34 | 2.34 | 2.35 | 2.37 | 2.37 | 2.37 | 2.37 | 2.37 |
| | 77°F 25°C | TC | 30017 | 31463 | 32694 | 32912 | 34382 | 31822 | 31923 | 32730 | 32949 | 34417 | 33264 | 33301 | 33386 | 33423 | 34446 | 35926 | 36035 | 36118 | 36127 | 36161 |
| | | S/T | 0.97 | 1.00 | 1.00 | 1.00 | 1.00 | 0.75 | 0.90 | 1.00 | 1.00 | 1.00 | 0.61 | 0.76 | 0.88 | 0.90 | 1.00 | 0.40 | 0.52 | 0.63 | 0.65 | 0.79 |
| | | PI | 2.12 | 2.14 | 2.15 | 2.15 | 2.16 | 2.14 | 2.14 | 2.15 | 2.15 | 2.16 | 2.15 | 2.15 | 2.15 | 2.15 | 2.16 | 2.18 | 2.18 | 2.17 | 2.17 | 2.17 |
| | 82°F 27.8°C | TC | 29956 | 31486 | 32756 | 32978 | 34488 | 31744 | 31867 | 32784 | 33015 | 34524 | 33221 | 33263 | 33366 | 33408 | 34554 | 35919 | 36054 | 36148 | 36158 | 36197 |
| | | S/T | 0.99 | 1.00 | 1.00 | 1.00 | 1.00 | 0.76 | 0.91 | 1.00 | 1.00 | 1.00 | 0.62 | 0.77 | 0.89 | 0.92 | 1.00 | 0.40 | 0.52 | 0.64 | 0.66 | 0.80 |
| | | PI | 2.32 | 2.33 | 2.34 | 2.34 | 2.36 | 2.34 | 2.34 | 2.34 | 2.35 | 2.36 | 2.35 | 2.35 | 2.35 | 2.35 | 2.36 | 2.38 | 2.37 | 2.37 | 2.37 | 2.37 |
| | 86°F 30°C | TC | 31669 | 33250 | 34610 | 34851 | 36474 | 33398 | 33551 | 34648 | 34891 | 36512 | 34980 | 35020 | 35149 | 35199 | 36543 | 37870 | 38016 | 38106 | 38116 | 38151 |
| | | S/T | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.77 | 0.93 | 1.00 | 1.00 | 1.00 | 0.62 | 0.78 | 0.91 | 0.93 | 1.00 | 0.40 | 0.52 | 0.64 | 0.66 | 0.81 |
| | | PI | 2.85 | 2.87 | 2.88 | 2.88 | 2.90 | 2.87 | 2.87 | 2.88 | 2.88 | 2.90 | 2.89 | 2.89 | 2.89 | 2.89 | 2.90 | 2.93 | 2.92 | 2.92 | 2.92 | 2.92 |
| | 95°F 35°C | TC | 35300 | 35491 | 36638 | 36855 | 38312 | 37517 | 37538 | 37550 | 37595 | 38360 | 39127 | 39135 | 39159 | 39162 | 39227 | 42161 | 42145 | 42153 | 42165 | 42222 |
| | | S/T | 0.83 | 0.95 | 1.00 | 1.00 | 1.00 | 0.66 | 0.78 | 0.88 | 0.89 | 1.00 | 0.56 | 0.67 | 0.76 | 0.78 | 0.88 | 0.39 | 0.48 | 0.57 | 0.58 | 0.68 |
| | | PI | 3.89 | 3.89 | 3.96 | 3.97 | 4.05 | 4.01 | 4.01 | 4.01 | 4.01 | 4.05 | 4.10 | 4.10 | 4.10 | 4.10 | 4.10 | 4.27 | 4.27 | 4.27 | 4.27 | 4.27 |
| | 104°F 40°C | TC | 32000 | 32293 | 33509 | 33710 | 35055 | 34016 | 34035 | 34095 | 34132 | 35098 | 35468 | 35482 | 35500 | 35502 | 35603 | 38228 | 38214 | 38232 | 38245 | 38285 |
| | | S/T | 0.85 | 0.98 | 1.00 | 1.00 | 1.00 | 0.68 | 0.80 | 0.90 | 0.92 | 1.00 | 0.56 | 0.68 | 0.78 | 0.80 | 0.91 | 0.39 | 0.48 | 0.58 | 0.59 | 0.70 |
| | | PI | 3.79 | 3.81 | 3.88 | 3.89 | 3.97 | 3.91 | 3.91 | 3.91 | 3.91 | 3.97 | 4.00 | 3.99 | 3.99 | 3.99 | 4.00 | 4.16 | 4.16 | 4.16 | 4.16 | 4.16 |
| | 110°F 43°C | TC | 29905 | 31054 | 32238 | 32447 | 33853 | 31838 | 31848 | 32203 | 32485 | 33888 | 33271 | 33297 | 33305 | 33331 | 33918 | 36012 | 36014 | 36070 | 36076 | 36096 |
| | | S/T | 0.92 | 1.00 | 1.00 | 1.00 | 1.00 | 0.72 | 0.87 | 0.99 | 1.00 | 1.00 | 0.60 | 0.73 | 0.85 | 0.86 | 1.00 | 0.40 | 0.51 | 0.61 | 0.63 | 0.76 |
| | | PI | 3.78 | 3.83 | 3.88 | 3.89 | 3.96 | 3.87 | 3.87 | 3.88 | 3.90 | 3.96 | 3.93 | 3.93 | 3.93 | 3.93 | 3.96 | 4.06 | 4.06 | 4.06 | 4.06 | 4.06 |
| | 115°F 46°C | TC | 24470 | 25648 | 26662 | 26861 | 28044 | 26022 | 26074 | 26692 | 26895 | 28072 | 27235 | 27252 | 27289 | 27316 | 28096 | 29531 | 29553 | 29594 | 29598 | 29607 |
| | | S/T | 0.96 | 1.00 | 1.00 | 1.00 | 1.00 | 0.75 | 0.89 | 1.00 | 1.00 | 1.00 | 0.61 | 0.75 | 0.87 | 0.90 | 1.00 | 0.40 | 0.52 | 0.63 | 0.65 | 0.78 |
| | | PI | 3.25 | 3.29 | 3.33 | 3.35 | 3.39 | 3.31 | 3.31 | 3.33 | 3.35 | 3.39 | 3.36 | 3.36 | 3.36 | 3.36 | 3.39 | 3.46 | 3.46 | 3.45 | 3.45 | 3.45 |
| | 122°F 50°C | TC | 17445 | 18408 | 19232 | 19376 | 20354 | 18002 | 18427 | 19254 | 19397 | 20373 | 18958 | 18952 | 19267 | 19412 | 20386 | 20700 | 20781 | 20785 | 20784 | 20811 |
| | | S/T | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.84 | 1.00 | 1.00 | 1.00 | 1.00 | 0.67 | 0.85 | 1.00 | 1.00 | 1.00 | 0.41 | 0.55 | 0.69 | 0.72 | 0.88 |
| | | PI | 2.55 | 2.58 | 2.60 | 2.60 | 2.62 | 2.57 | 2.58 | 2.60 | 2.60 | 2.62 | 2.59 | 2.59 | 2.60 | 2.60 | 2.62 | 2.65 | 2.64 | 2.64 | 2.63 | 2.63 |

## Table 27 – 48K Cooling — 37MURA + 45MULA (60C)

| Airflow CFM | Out-door DB °F | ID WB °F | 60.8°F (16.0°C) | | | | | 64.4°F (16.0°C) | | | | | 67.0°F (19.4°C) | | | | | 71.6°F (22.0°C) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ID DB °F | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C |
| 790 | -13°F 25°C | TC | 29987 | 29977 | 29968 | 30143 | 31030 | 31308 | 31290 | 31276 | 31274 | 31252 | 32242 | 32225 | 32204 | 32200 | 32178 | 34011 | 34002 | 33977 | 33969 | 33918 |
| | | S/T | 0.77 | 0.88 | 0.97 | 1.00 | 1.00 | 0.63 | 0.73 | 0.81 | 0.83 | 0.93 | 0.54 | 0.63 | 0.71 | 0.73 | 0.83 | 0.39 | 0.46 | 0.54 | 0.56 | 0.65 |
| | | PI | 1.41 | 1.41 | 1.41 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 |
| | -4°F 20°C | TC | 32294 | 32283 | 32274 | 32461 | 33417 | 33716 | 33697 | 33682 | 33680 | 33656 | 34722 | 34704 | 34681 | 34677 | 34653 | 36628 | 36618 | 36591 | 36582 | 36527 |
| | | S/T | 0.78 | 0.88 | 0.97 | 1.00 | 1.00 | 0.63 | 0.73 | 0.82 | 0.83 | 0.93 | 0.54 | 0.64 | 0.72 | 0.73 | 0.83 | 0.39 | 0.47 | 0.55 | 0.56 | 0.65 |
| | | PI | 1.46 | 1.46 | 1.46 | 1.45 | 1.45 | 1.44 | 1.45 | 1.45 | 1.45 | 1.45 | 1.44 | 1.44 | 1.44 | 1.44 | 1.44 | 1.45 | 1.45 | 1.45 | 1.45 | 1.45 |
| | 0°F 17.8°C | TC | 33360 | 33345 | 33474 | 33730 | 34664 | 34814 | 34788 | 34768 | 34765 | 34759 | 35835 | 35815 | 35782 | 35777 | 35745 | 37767 | 37756 | 37757 | 37762 | 37790 |
| | | S/T | 0.78 | 0.89 | 0.99 | 1.00 | 1.00 | 0.64 | 0.74 | 0.83 | 0.84 | 0.95 | 0.54 | 0.64 | 0.73 | 0.74 | 0.84 | 0.39 | 0.47 | 0.55 | 0.57 | 0.66 |
| | | PI | 1.47 | 1.47 | 1.47 | 1.47 | 1.46 | 1.46 | 1.46 | 1.46 | 1.46 | 1.46 | 1.46 | 1.46 | 1.46 | 1.47 | 1.47 | 1.48 | 1.48 | 1.48 | 1.48 | 1.48 |
| | 5°F 15°C | TC | 34341 | 34372 | 34835 | 34995 | 36065 | 35974 | 35982 | 35985 | 35986 | 36163 | 37151 | 37148 | 37158 | 37159 | 37164 | 39371 | 39360 | 39360 | 39363 | 39385 |
| | | S/T | 0.79 | 0.90 | 1.00 | 1.00 | 1.00 | 0.64 | 0.75 | 0.84 | 0.85 | 0.96 | 0.54 | 0.65 | 0.73 | 0.75 | 0.85 | 0.39 | 0.47 | 0.55 | 0.57 | 0.66 |
| | | PI | 1.48 | 1.48 | 1.48 | 1.48 | 1.48 | 1.48 | 1.48 | 1.48 | 1.48 | 1.49 | 1.49 | 1.49 | 1.49 | 1.49 | 1.49 | 1.52 | 1.52 | 1.52 | 1.52 | 1.52 |
| | 14°F 10°C | TC | 34416 | 34404 | 34546 | 34848 | 35930 | 36144 | 36123 | 36106 | 36103 | 36084 | 37393 | 37375 | 37347 | 37342 | 37310 | 39744 | 39732 | 39703 | 39695 | 39634 |
| | | S/T | 0.78 | 0.89 | 0.99 | 1.00 | 1.00 | 0.64 | 0.74 | 0.82 | 0.84 | 0.94 | 0.54 | 0.64 | 0.72 | 0.74 | 0.83 | 0.39 | 0.47 | 0.55 | 0.56 | 0.65 |
| | | PI | 1.48 | 1.48 | 1.48 | 1.48 | 1.48 | 1.47 | 1.47 | 1.47 | 1.47 | 1.48 | 1.47 | 1.47 | 1.47 | 1.47 | 1.47 | 1.48 | 1.48 | 1.48 | 1.48 | 1.48 |
| | 17°F 10°C | TC | 34484 | 34493 | 34916 | 35117 | 36248 | 36216 | 36219 | 36227 | 36228 | 36399 | 37371 | 37385 | 37409 | 37411 | 37421 | 39856 | 39844 | 39848 | 39856 | 39893 |
| | | S/T | 0.79 | 0.89 | 1.00 | 1.00 | 1.00 | 0.64 | 0.74 | 0.83 | 0.85 | 0.95 | 0.55 | 0.65 | 0.73 | 0.75 | 0.85 | 0.39 | 0.47 | 0.55 | 0.57 | 0.66 |
| | | PI | 1.47 | 1.47 | 1.47 | 1.47 | 1.46 | 1.46 | 1.46 | 1.46 | 1.46 | 1.46 | 1.46 | 1.46 | 1.46 | 1.46 | 1.46 | 1.47 | 1.47 | 1.47 | 1.47 | 1.48 |
| | 23°F 5°C | TC | 33917 | 33964 | 34517 | 34686 | 35820 | 35658 | 35667 | 35672 | 35672 | 35883 | 36915 | 36914 | 36925 | 36927 | 36933 | 39295 | 39283 | 39285 | 39290 | 39317 |
| | | S/T | 0.80 | 0.91 | 1.00 | 1.00 | 1.00 | 0.65 | 0.75 | 0.84 | 0.86 | 0.97 | 0.54 | 0.65 | 0.74 | 0.75 | 0.85 | 0.39 | 0.47 | 0.56 | 0.57 | 0.66 |
| | | PI | 1.61 | 1.61 | 1.61 | 1.61 | 1.62 | 1.62 | 1.62 | 1.62 | 1.62 | 1.62 | 1.63 | 1.63 | 1.63 | 1.63 | 1.63 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 |
| | 35°F 1.7°C | TC | 33249 | 33250 | 33314 | 33351 | 34208 | 34844 | 34839 | 34840 | 34842 | 34842 | 35964 | 35961 | 35957 | 35957 | 35961 | 38047 | 38038 | 38030 | 38035 | 38028 |
| | | S/T | 0.75 | 0.85 | 0.93 | 0.94 | 1.00 | 0.62 | 0.71 | 0.79 | 0.80 | 0.89 | 0.53 | 0.62 | 0.69 | 0.71 | 0.80 | 0.39 | 0.46 | 0.53 | 0.54 | 0.63 |
| | | PI | 1.77 | 1.77 | 1.78 | 1.78 | 1.84 | 1.88 | 1.88 | 1.88 | 1.88 | 1.88 | 1.96 | 1.96 | 1.96 | 1.96 | 1.96 | 2.13 | 2.13 | 2.13 | 2.13 | 2.13 |
| | 41°F 5°C | TC | 37008 | 37008 | 37111 | 37161 | 38216 | 38774 | 38770 | 38771 | 38772 | 38806 | 40015 | 40011 | 40007 | 40008 | 40012 | 42319 | 42309 | 42300 | 42304 | 42298 |
| | | S/T | 0.76 | 0.86 | 0.94 | 0.96 | 1.00 | 0.62 | 0.72 | 0.80 | 0.81 | 0.90 | 0.53 | 0.62 | 0.70 | 0.71 | 0.81 | 0.39 | 0.46 | 0.53 | 0.55 | 0.64 |
| | | PI | 2.10 | 2.10 | 2.11 | 2.11 | 2.19 | 2.23 | 2.23 | 2.23 | 2.23 | 2.23 | 2.33 | 2.33 | 2.33 | 2.33 | 2.33 | 2.54 | 2.54 | 2.54 | 2.54 | 2.54 |
| | 47°F 8.3°C | TC | 40766 | 40766 | 40923 | 40994 | 42255 | 42705 | 42699 | 42701 | 42701 | 42765 | 44065 | 44061 | 44057 | 44058 | 44060 | 46594 | 46582 | 46579 | 46578 | 46571 |
| | | S/T | 0.77 | 0.87 | 0.95 | 0.97 | 1.00 | 0.63 | 0.72 | 0.81 | 0.82 | 0.91 | 0.53 | 0.63 | 0.71 | 0.72 | 0.82 | 0.39 | 0.46 | 0.54 | 0.55 | 0.64 |
| | | PI | 2.42 | 2.42 | 2.43 | 2.44 | 2.54 | 2.58 | 2.58 | 2.58 | 2.58 | 2.59 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.95 | 2.95 | 2.95 | 2.95 | 2.94 |
| | 50°F 10°C | TC | 39755 | 40404 | 41754 | 41993 | 43602 | 42091 | 42116 | 42252 | 42306 | 43653 | 43748 | 43804 | 43830 | 43833 | 44030 | 46900 | 46923 | 47036 | 47049 | 47112 |
| | | S/T | 0.87 | 1.00 | 1.00 | 1.00 | 1.00 | 0.69 | 0.81 | 0.92 | 0.94 | 1.00 | 0.57 | 0.69 | 0.80 | 0.81 | 0.93 | 0.39 | 0.49 | 0.58 | 0.60 | 0.71 |
| | | PI | 2.78 | 2.78 | 2.78 | 2.78 | 2.78 | 2.78 | 2.78 | 2.78 | 2.78 | 2.78 | 2.78 | 2.77 | 2.78 | 2.77 | 2.77 | 2.77 | 2.77 | 2.77 | 2.77 | 2.77 |
| | 59°F 15°C | TC | 38987 | 39926 | 41331 | 41580 | 43253 | 41366 | 41384 | 41590 | 41670 | 43302 | 43084 | 43130 | 43148 | 43149 | 43434 | 46374 | 46386 | 46477 | 46488 | 46533 |
| | | S/T | 0.88 | 1.00 | 1.00 | 1.00 | 1.00 | 0.70 | 0.83 | 0.94 | 0.97 | 1.00 | 0.58 | 0.71 | 0.81 | 0.83 | 0.96 | 0.39 | 0.50 | 0.59 | 0.61 | 0.73 |
| | | PI | 2.97 | 2.98 | 2.99 | 2.99 | 3.00 | 2.99 | 2.99 | 2.99 | 2.99 | 3.00 | 3.00 | 3.00 | 3.00 | 3.00 | 3.00 | 3.02 | 3.02 | 3.02 | 3.02 | 3.01 |
| | 68°F 20°C | TC | 38258 | 39492 | 40945 | 41204 | 42936 | 40649 | 40662 | 40980 | 41248 | 42984 | 42418 | 42453 | 42465 | 42466 | 42950 | 45803 | 45818 | 45891 | 45900 | 45933 |
| | | S/T | 0.91 | 1.00 | 1.00 | 1.00 | 1.00 | 0.72 | 0.85 | 0.97 | 1.00 | 1.00 | 0.59 | 0.72 | 0.84 | 0.86 | 0.99 | 0.40 | 0.50 | 0.61 | 0.62 | 0.75 |
| | | PI | 3.17 | 3.19 | 3.20 | 3.21 | 3.22 | 3.20 | 3.20 | 3.20 | 3.21 | 3.23 | 3.22 | 3.22 | 3.22 | 3.22 | 3.23 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 |
| | 77°F 25°C | TC | 37459 | 38894 | 40402 | 40670 | 42468 | 39895 | 39913 | 40372 | 40718 | 42518 | 41716 | 41764 | 41783 | 41831 | 42556 | 45180 | 45221 | 45323 | 45334 | 45383 |
| | | S/T | 0.92 | 1.00 | 1.00 | 1.00 | 1.00 | 0.72 | 0.87 | 0.99 | 1.00 | 1.00 | 0.59 | 0.73 | 0.85 | 0.86 | 1.00 | 0.40 | 0.51 | 0.61 | 0.63 | 0.76 |
| | | PI | 3.40 | 3.41 | 3.43 | 3.43 | 3.45 | 3.43 | 3.42 | 3.43 | 3.43 | 3.45 | 3.44 | 3.44 | 3.44 | 3.44 | 3.45 | 3.48 | 3.48 | 3.48 | 3.48 | 3.48 |
| | 82°F 27.8°C | TC | 36758 | 38317 | 39844 | 40115 | 41939 | 39184 | 39248 | 39892 | 40164 | 41987 | 41018 | 41072 | 41093 | 41157 | 42025 | 44491 | 44548 | 44659 | 44671 | 44724 |
| | | S/T | 0.94 | 1.00 | 1.00 | 1.00 | 1.00 | 0.73 | 0.87 | 1.00 | 1.00 | 1.00 | 0.60 | 0.74 | 0.86 | 0.87 | 1.00 | 0.40 | 0.51 | 0.62 | 0.63 | 0.76 |
| | | PI | 3.53 | 3.55 | 3.57 | 3.57 | 3.58 | 3.56 | 3.56 | 3.57 | 3.57 | 3.59 | 3.58 | 3.58 | 3.58 | 3.58 | 3.59 | 3.62 | 3.62 | 3.61 | 3.61 | 3.61 |
| | 86°F 30°C | TC | 35847 | 37507 | 39029 | 39298 | 41130 | 38214 | 38294 | 39076 | 39345 | 41162 | 40037 | 40084 | 40148 | 40184 | 41200 | 43479 | 43541 | 43643 | 43655 | 43700 |
| | | S/T | 0.95 | 1.00 | 1.00 | 1.00 | 1.00 | 0.74 | 0.88 | 1.00 | 1.00 | 1.00 | 0.60 | 0.75 | 0.86 | 0.88 | 1.00 | 0.40 | 0.51 | 0.62 | 0.64 | 0.77 |
| | | PI | 3.65 | 3.67 | 3.69 | 3.69 | 3.72 | 3.68 | 3.68 | 3.69 | 3.69 | 3.71 | 3.70 | 3.70 | 3.70 | 3.70 | 3.71 | 3.75 | 3.75 | 3.74 | 3.74 | 3.74 |
| | 95°F 35°C | TC | 34235 | 34296 | 35033 | 35239 | 36621 | 36425 | 36434 | 36446 | 36448 | 36695 | 37998 | 38002 | 38021 | 38024 | 38041 | 41020 | 41005 | 41009 | 41007 | 41038 |
| | | S/T | 0.80 | 0.91 | 1.00 | 1.00 | 1.00 | 0.65 | 0.75 | 0.84 | 0.86 | 0.96 | 0.54 | 0.65 | 0.73 | 0.75 | 0.85 | 0.39 | 0.47 | 0.55 | 0.56 | 0.66 |
| | | PI | 3.77 | 3.78 | 3.82 | 3.83 | 3.90 | 3.89 | 3.89 | 3.89 | 3.89 | 3.91 | 3.98 | 3.98 | 3.98 | 3.98 | 3.98 | 4.15 | 4.14 | 4.14 | 4.14 | 4.15 |
| | 104°F 40°C | TC | 32663 | 32780 | 33724 | 33923 | 35268 | 34753 | 34765 | 34774 | 34775 | 35234 | 36255 | 36261 | 36280 | 36283 | 36294 | 39136 | 39121 | 39130 | 39122 | 39160 |
| | | S/T | 0.82 | 0.94 | 1.00 | 1.00 | 1.00 | 0.66 | 0.77 | 0.86 | 0.88 | 1.00 | 0.55 | 0.66 | 0.75 | 0.77 | 0.87 | 0.39 | 0.47 | 0.56 | 0.58 | 0.67 |
| | | PI | 4.10 | 4.11 | 4.17 | 4.18 | 4.26 | 4.23 | 4.23 | 4.23 | 4.23 | 4.26 | 4.32 | 4.32 | 4.32 | 4.32 | 4.32 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 |
| | 110°F 43°C | TC | 31514 | 32366 | 33594 | 33812 | 35264 | 33665 | 33678 | 33824 | 33890 | 35303 | 35204 | 35224 | 35236 | 35236 | 35442 | 38159 | 38142 | 38180 | 38187 | 38215 |
| | | S/T | 0.89 | 1.00 | 1.00 | 1.00 | 1.00 | 0.70 | 0.83 | 0.94 | 0.96 | 1.00 | 0.58 | 0.70 | 0.81 | 0.83 | 0.96 | 0.39 | 0.49 | 0.59 | 0.61 | 0.73 |
| | | PI | 4.35 | 4.39 | 4.45 | 4.46 | 4.53 | 4.45 | 4.45 | 4.46 | 4.46 | 4.53 | 4.53 | 4.53 | 4.53 | 4.53 | 4.53 | 4.67 | 4.67 | 4.67 | 4.67 | 4.67 |
| | 115°F 46°C | TC | 26822 | 27833 | 28926 | 29120 | 30419 | 28649 | 28656 | 28906 | 29157 | 30453 | 30016 | 30043 | 30052 | 30052 | 30481 | 32575 | 32560 | 32611 | 32616 | 32633 |
| | | S/T | 0.92 | 1.00 | 1.00 | 1.00 | 1.00 | 0.72 | 0.86 | 0.98 | 1.00 | 1.00 | 0.59 | 0.73 | 0.84 | 0.86 | 1.00 | 0.40 | 0.50 | 0.61 | 0.63 | 0.75 |
| | | PI | 3.80 | 3.84 | 3.89 | 3.90 | 3.95 | 3.88 | 3.88 | 3.89 | 3.90 | 3.95 | 3.95 | 3.95 | 3.95 | 3.95 | 3.95 | 4.05 | 4.05 | 4.05 | 4.05 | 4.05 |
| | 122°F 50°C | TC | 20892 | 22036 | 23017 | 23192 | 24357 | 21860 | 22031 | 23043 | 23218 | 24381 | 23020 | 23019 | 23139 | 23208 | 24403 | 25194 | 25243 | 25257 | 25256 | 25243 |
| | | S/T | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.80 | 0.98 | 1.00 | 1.00 | 1.00 | 0.64 | 0.81 | 0.95 | 0.98 | 1.00 | 0.41 | 0.54 | 0.67 | 0.69 | 0.84 |
| | | PI | 3.12 | 3.15 | 3.18 | 3.18 | 3.21 | 3.15 | 3.15 | 3.18 | 3.18 | 3.21 | 3.18 | 3.18 | 3.18 | 3.18 | 3.21 | 3.24 | 3.24 | 3.23 | 3.23 | 3.23 |

## Table 27 – 48K Cooling — 37MURA + 45MULA (60C) (Continued)

| Airflow CFM | Out-door DB °F | ID WB °F | 60.8°F (16.0°C) | | | | | 64.4°F (16.0°C) | | | | | 67.0°F (19.4°C) | | | | | 71.6°F (22.0°C) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ID DB °F | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C |
| 1050 | -13°F 25°C | TC | 38758 | 38741 | 39293 | 39456 | 40542 | 40439 | 40405 | 40380 | 40376 | 40343 | 41648 | 41595 | 41556 | 41550 | 41511 | 43930 | 43919 | 43828 | 43812 | 43719 |
| | | S/T | 0.80 | 0.91 | 1.00 | 1.00 | 1.00 | 0.65 | 0.75 | 0.85 | 0.86 | 0.97 | 0.55 | 0.65 | 0.74 | 0.76 | 0.86 | 0.39 | 0.47 | 0.56 | 0.57 | 0.67 |
| | | PI | 1.79 | 1.79 | 1.79 | 1.79 | 1.78 | 1.78 | 1.78 | 1.78 | 1.78 | 1.78 | 1.78 | 1.78 | 1.78 | 1.78 | 1.78 | 1.79 | 1.79 | 1.79 | 1.79 | 1.79 |
| | -4°F 20°C | TC | 41740 | 41721 | 42316 | 42491 | 43661 | 43549 | 43514 | 43486 | 43482 | 43446 | 44852 | 44795 | 44753 | 44746 | 44704 | 47310 | 47297 | 47200 | 47182 | 47082 |
| | | S/T | 0.80 | 0.92 | 1.00 | 1.00 | 1.00 | 0.65 | 0.76 | 0.85 | 0.87 | 0.98 | 0.55 | 0.65 | 0.74 | 0.76 | 0.86 | 0.39 | 0.48 | 0.56 | 0.57 | 0.67 |
| | | PI | 1.85 | 1.86 | 1.85 | 1.85 | 1.85 | 1.84 | 1.85 | 1.85 | 1.85 | 1.85 | 1.84 | 1.84 | 1.84 | 1.84 | 1.84 | 1.85 | 1.85 | 1.85 | 1.85 | 1.85 |
| | 0°F 17.8°C | TC | 43125 | 43100 | 43899 | 44083 | 45293 | 44975 | 44925 | 44890 | 44885 | 45336 | 46297 | 46231 | 46173 | 46167 | 46145 | 48786 | 48775 | 48771 | 48778 | 48809 |
| | | S/T | 0.81 | 0.93 | 1.00 | 1.00 | 1.00 | 0.66 | 0.77 | 0.86 | 0.88 | 1.00 | 0.55 | 0.66 | 0.75 | 0.77 | 0.87 | 0.39 | 0.48 | 0.57 | 0.58 | 0.68 |
| | | PI | 1.87 | 1.87 | 1.87 | 1.87 | 1.87 | 1.87 | 1.87 | 1.87 | 1.87 | 1.87 | 1.87 | 1.87 | 1.87 | 1.87 | 1.87 | 1.89 | 1.89 | 1.89 | 1.89 | 1.89 |
| | 5°F 15°C | TC | 44362 | 44514 | 45532 | 45742 | 47151 | 46442 | 46454 | 46457 | 46505 | 47198 | 47927 | 47939 | 47949 | 47951 | 48014 | 50738 | 50723 | 50749 | 50755 | 50777 |
| | | S/T | 0.82 | 0.94 | 1.00 | 1.00 | 1.00 | 0.66 | 0.78 | 0.87 | 0.88 | 1.00 | 0.56 | 0.67 | 0.76 | 0.78 | 0.88 | 0.39 | 0.48 | 0.57 | 0.59 | 0.69 |
| | | PI | 1.89 | 1.89 | 1.89 | 1.89 | 1.90 | 1.89 | 1.89 | 1.89 | 1.89 | 1.90 | 1.91 | 1.91 | 1.91 | 1.91 | 1.91 | 1.95 | 1.95 | 1.95 | 1.95 | 1.95 |
| | 14°F 10°C | TC | 44493 | 44470 | 45378 | 45591 | 47005 | 46702 | 46661 | 46629 | 46624 | 47060 | 48302 | 48241 | 48192 | 48185 | 48136 | 51360 | 51344 | 51246 | 51228 | 51119 |
| | | S/T | 0.81 | 0.93 | 1.00 | 1.00 | 1.00 | 0.65 | 0.76 | 0.86 | 0.87 | 1.00 | 0.55 | 0.66 | 0.75 | 0.76 | 0.87 | 0.39 | 0.48 | 0.56 | 0.57 | 0.67 |
| | | PI | 1.89 | 1.89 | 1.89 | 1.88 | 1.88 | 1.88 | 1.88 | 1.88 | 1.88 | 1.88 | 1.88 | 1.88 | 1.88 | 1.88 | 1.88 | 1.89 | 1.89 | 1.89 | 1.89 | 1.89 |
| | 17°F 10°C | TC | 44432 | 44577 | 45607 | 45830 | 47318 | 46644 | 46663 | 46672 | 46711 | 47369 | 48236 | 48254 | 48273 | 48275 | 48335 | 51300 | 51286 | 51278 | 51288 | 51330 |
| | | S/T | 0.82 | 0.93 | 1.00 | 1.00 | 1.00 | 0.66 | 0.77 | 0.87 | 0.88 | 1.00 | 0.55 | 0.66 | 0.76 | 0.77 | 0.87 | 0.39 | 0.48 | 0.57 | 0.58 | 0.68 |
| | | PI | 1.87 | 1.87 | 1.87 | 1.87 | 1.87 | 1.87 | 1.87 | 1.87 | 1.87 | 1.87 | 1.87 | 1.87 | 1.87 | 1.87 | 1.87 | 1.89 | 1.89 | 1.89 | 1.89 | 1.89 |
| | 23°F 5°C | TC | 43814 | 44002 | 45140 | 45363 | 46858 | 46032 | 46046 | 46051 | 46111 | 46908 | 47620 | 47636 | 47649 | 47650 | 47727 | 50634 | 50619 | 50655 | 50662 | 50691 |
| | | S/T | 0.83 | 0.95 | 1.00 | 1.00 | 1.00 | 0.66 | 0.78 | 0.88 | 0.89 | 1.00 | 0.56 | 0.67 | 0.76 | 0.78 | 0.89 | 0.39 | 0.48 | 0.57 | 0.59 | 0.69 |
| | | PI | 2.05 | 2.05 | 2.06 | 2.06 | 2.08 | 2.07 | 2.07 | 2.07 | 2.07 | 2.08 | 2.08 | 2.08 | 2.08 | 2.08 | 2.08 | 2.12 | 2.12 | 2.12 | 2.12 | 2.12 |
| | 35°F 1.7°C | TC | 42983 | 42984 | 43237 | 43357 | 44756 | 44992 | 44990 | 44994 | 44994 | 45114 | 46400 | 46397 | 46399 | 46401 | 46405 | 49013 | 49001 | 48999 | 48997 | 49001 |
| | | S/T | 0.78 | 0.88 | 0.97 | 0.99 | 1.00 | 0.63 | 0.73 | 0.82 | 0.83 | 0.93 | 0.54 | 0.63 | 0.72 | 0.73 | 0.83 | 0.39 | 0.46 | 0.54 | 0.56 | 0.65 |
| | | PI | 2.26 | 2.26 | 2.28 | 2.29 | 2.38 | 2.40 | 2.40 | 2.40 | 2.40 | 2.41 | 2.51 | 2.51 | 2.51 | 2.51 | 2.51 | 2.72 | 2.72 | 2.72 | 2.72 | 2.72 |
| | 41°F 5°C | TC | 47839 | 47840 | 48221 | 48556 | 49991 | 50064 | 50063 | 50066 | 50066 | 50242 | 51626 | 51623 | 51626 | 51626 | 51630 | 54523 | 54509 | 54506 | 54503 | 54509 |
| | | S/T | 0.78 | 0.89 | 0.98 | 1.00 | 1.00 | 0.64 | 0.74 | 0.83 | 0.84 | 0.94 | 0.54 | 0.64 | 0.72 | 0.74 | 0.84 | 0.39 | 0.47 | 0.55 | 0.56 | 0.66 |
| | | PI | 2.68 | 2.68 | 2.71 | 2.73 | 2.84 | 2.85 | 2.85 | 2.85 | 2.85 | 2.86 | 2.98 | 2.98 | 2.98 | 2.98 | 2.98 | 3.24 | 3.24 | 3.24 | 3.24 | 3.24 |
| | 47°F 8.3°C | TC | 52697 | 52732 | 53439 | 53678 | 55266 | 55140 | 55138 | 55140 | 55139 | 55395 | 56853 | 56848 | 56852 | 56851 | 56851 | 60036 | 60021 | 60015 | 60013 | 60019 |
| | | S/T | 0.79 | 0.90 | 1.00 | 1.00 | 1.00 | 0.64 | 0.75 | 0.84 | 0.85 | 0.96 | 0.54 | 0.65 | 0.73 | 0.75 | 0.85 | 0.39 | 0.47 | 0.55 | 0.57 | 0.67 |
| | | PI | 3.10 | 3.10 | 3.15 | 3.18 | 3.31 | 3.30 | 3.30 | 3.30 | 3.30 | 3.32 | 3.45 | 3.45 | 3.45 | 3.45 | 3.45 | 3.76 | 3.76 | 3.76 | 3.76 | 3.76 |
| | 50°F 10°C | TC | 51432 | 52848 | 54631 | 54948 | 57078 | 54335 | 54365 | 54741 | 54913 | 57132 | 56455 | 56528 | 56558 | 56561 | 57105 | 60346 | 60505 | 60661 | 60679 | 60756 |
| | | S/T | 0.90 | 1.00 | 1.00 | 1.00 | 1.00 | 0.71 | 0.85 | 0.96 | 0.99 | 1.00 | 0.59 | 0.72 | 0.83 | 0.85 | 0.99 | 0.40 | 0.50 | 0.60 | 0.62 | 0.74 |
| | | PI | 3.55 | 3.55 | 3.55 | 3.55 | 3.55 | 3.55 | 3.55 | 3.55 | 3.55 | 3.55 | 3.55 | 3.55 | 3.55 | 3.55 | 3.55 | 3.54 | 3.54 | 3.54 | 3.54 | 3.54 |
| | 59°F 15°C | TC | 50470 | 52240 | 54095 | 54424 | 56638 | 53399 | 53472 | 54079 | 54482 | 56694 | 55602 | 55659 | 55678 | 55759 | 56741 | 59706 | 59825 | 59945 | 59958 | 60008 |
| | | S/T | 0.92 | 1.00 | 1.00 | 1.00 | 1.00 | 0.73 | 0.86 | 1.00 | 1.00 | 1.00 | 0.60 | 0.73 | 0.85 | 0.86 | 1.00 | 0.40 | 0.51 | 0.61 | 0.63 | 0.76 |
| | | PI | 3.80 | 3.81 | 3.82 | 3.82 | 3.83 | 3.82 | 3.82 | 3.82 | 3.82 | 3.84 | 3.83 | 3.83 | 3.83 | 3.83 | 3.84 | 3.86 | 3.86 | 3.85 | 3.85 | 3.85 |
| | 68°F 20°C | TC | 49490 | 51602 | 53516 | 53856 | 56141 | 52393 | 52511 | 53574 | 53915 | 56197 | 54658 | 54699 | 54797 | 54845 | 56244 | 58894 | 59003 | 59096 | 59105 | 59136 |
| | | S/T | 0.95 | 1.00 | 1.00 | 1.00 | 1.00 | 0.74 | 0.89 | 1.00 | 1.00 | 1.00 | 0.61 | 0.75 | 0.87 | 0.89 | 1.00 | 0.40 | 0.51 | 0.63 | 0.65 | 0.78 |
| | | PI | 4.05 | 4.08 | 4.10 | 4.10 | 4.13 | 4.09 | 4.09 | 4.10 | 4.10 | 4.13 | 4.12 | 4.12 | 4.12 | 4.12 | 4.13 | 4.17 | 4.17 | 4.17 | 4.17 | 4.16 |
| | 77°F 25°C | TC | 48477 | 50811 | 52800 | 53151 | 55526 | 51392 | 51555 | 52857 | 53211 | 55582 | 53719 | 53780 | 53917 | 53977 | 55629 | 58019 | 58195 | 58330 | 58344 | 58398 |
| | | S/T | 0.97 | 1.00 | 1.00 | 1.00 | 1.00 | 0.75 | 0.90 | 1.00 | 1.00 | 1.00 | 0.61 | 0.76 | 0.88 | 0.90 | 1.00 | 0.40 | 0.52 | 0.63 | 0.65 | 0.79 |
| | | PI | 4.34 | 4.37 | 4.39 | 4.39 | 4.41 | 4.38 | 4.38 | 4.39 | 4.39 | 4.41 | 4.40 | 4.40 | 4.40 | 4.40 | 4.41 | 4.45 | 4.45 | 4.45 | 4.44 | 4.44 |
| | 82°F 27.8°C | TC | 47607 | 50037 | 52055 | 52408 | 54808 | 50448 | 50643 | 52101 | 52467 | 54866 | 52795 | 52862 | 53026 | 53092 | 54914 | 57083 | 57297 | 57447 | 57462 | 57524 |
| | | S/T | 0.99 | 1.00 | 1.00 | 1.00 | 1.00 | 0.76 | 0.91 | 1.00 | 1.00 | 1.00 | 0.62 | 0.77 | 0.89 | 0.92 | 1.00 | 0.40 | 0.52 | 0.64 | 0.66 | 0.80 |
| | | PI | 4.52 | 4.54 | 4.57 | 4.57 | 4.59 | 4.55 | 4.55 | 4.56 | 4.57 | 4.59 | 4.57 | 4.57 | 4.57 | 4.57 | 4.59 | 4.63 | 4.62 | 4.62 | 4.62 | 4.61 |
| | 86°F 30°C | TC | 46677 | 49008 | 51012 | 51368 | 53760 | 49225 | 49452 | 51069 | 51426 | 53816 | 51558 | 51617 | 51806 | 51881 | 53862 | 55817 | 56033 | 56166 | 56180 | 56232 |
| | | S/T | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.77 | 0.93 | 1.00 | 1.00 | 1.00 | 0.62 | 0.78 | 0.91 | 0.93 | 1.00 | 0.40 | 0.52 | 0.64 | 0.66 | 0.81 |
| | | PI | 4.67 | 4.70 | 4.72 | 4.72 | 4.75 | 4.70 | 4.70 | 4.72 | 4.72 | 4.75 | 4.73 | 4.73 | 4.73 | 4.73 | 4.75 | 4.79 | 4.79 | 4.78 | 4.78 | 4.78 |
| | 95°F 35°C | TC | 44228 | 44467 | 45904 | 46176 | 48001 | 47005 | 47032 | 47047 | 47103 | 48061 | 49022 | 49032 | 49062 | 49067 | 49148 | 52824 | 52803 | 52814 | 52829 | 52900 |
| | | S/T | 0.83 | 0.95 | 1.00 | 1.00 | 1.00 | 0.66 | 0.78 | 0.88 | 0.89 | 1.00 | 0.56 | 0.67 | 0.76 | 0.78 | 0.88 | 0.39 | 0.48 | 0.57 | 0.58 | 0.68 |
| | | PI | 4.82 | 4.83 | 4.91 | 4.92 | 5.02 | 4.97 | 4.97 | 4.97 | 4.97 | 5.03 | 5.08 | 5.08 | 5.08 | 5.08 | 5.09 | 5.29 | 5.29 | 5.29 | 5.29 | 5.29 |
| | 104°F 40°C | TC | 42200 | 42586 | 44189 | 44455 | 46228 | 44859 | 44884 | 44963 | 45011 | 46286 | 46773 | 46792 | 46816 | 46818 | 46951 | 50414 | 50394 | 50418 | 50435 | 50488 |
| | | S/T | 0.85 | 0.98 | 1.00 | 1.00 | 1.00 | 0.68 | 0.80 | 0.90 | 0.92 | 1.00 | 0.56 | 0.68 | 0.78 | 0.80 | 0.91 | 0.39 | 0.48 | 0.58 | 0.59 | 0.70 |
| | | PI | 5.24 | 5.27 | 5.36 | 5.38 | 5.48 | 5.41 | 5.40 | 5.41 | 5.41 | 5.49 | 5.52 | 5.52 | 5.52 | 5.52 | 5.53 | 5.75 | 5.75 | 5.75 | 5.75 | 5.75 |
| | 110°F 43°C | TC | 40826 | 42394 | 44011 | 44297 | 46216 | 43465 | 43478 | 43964 | 44348 | 46264 | 45422 | 45457 | 45468 | 45503 | 46304 | 49163 | 49166 | 49243 | 49250 | 49278 |
| | | S/T | 0.92 | 1.00 | 1.00 | 1.00 | 1.00 | 0.72 | 0.87 | 0.99 | 1.00 | 1.00 | 0.60 | 0.73 | 0.85 | 0.86 | 1.00 | 0.40 | 0.51 | 0.61 | 0.63 | 0.76 |
| | | PI | 5.56 | 5.64 | 5.71 | 5.73 | 5.82 | 5.69 | 5.69 | 5.71 | 5.73 | 5.82 | 5.79 | 5.78 | 5.78 | 5.78 | 5.82 | 5.98 | 5.98 | 5.97 | 5.97 | 5.97 |
| | 115°F 46°C | TC | 34772 | 36447 | 37888 | 38170 | 39851 | 36978 | 37052 | 37931 | 38218 | 39891 | 38702 | 38726 | 38779 | 38816 | 39926 | 41964 | 41996 | 42054 | 42060 | 42073 |
| | | S/T | 0.96 | 1.00 | 1.00 | 1.00 | 1.00 | 0.75 | 0.89 | 1.00 | 1.00 | 1.00 | 0.61 | 0.75 | 0.87 | 0.90 | 1.00 | 0.40 | 0.52 | 0.63 | 0.65 | 0.78 |
| | | PI | 4.88 | 4.95 | 5.01 | 5.03 | 5.09 | 4.97 | 4.97 | 5.01 | 5.04 | 5.09 | 5.05 | 5.05 | 5.05 | 5.05 | 5.09 | 5.20 | 5.19 | 5.19 | 5.19 | 5.18 |
| | 122°F 50°C | TC | 27036 | 28527 | 29804 | 30027 | 31543 | 27898 | 28557 | 29838 | 30060 | 31573 | 29379 | 29371 | 29859 | 30084 | 31592 | 32080 | 32204 | 32212 | 32209 | 32251 |
| | | S/T | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.84 | 1.00 | 1.00 | 1.00 | 1.00 | 0.67 | 0.85 | 1.00 | 1.00 | 1.00 | 0.41 | 0.55 | 0.69 | 0.72 | 0.88 |
| | | PI | 3.99 | 4.03 | 4.06 | 4.07 | 4.10 | 4.02 | 4.03 | 4.06 | 4.07 | 4.10 | 4.06 | 4.05 | 4.06 | 4.07 | 4.10 | 4.15 | 4.13 | 4.12 | 4.12 | 4.12 |

## Table 28 – 48K Cooling — 37MURA + 45MULA (60D)

| Airflow CFM | Out-door DB °F | ID WB °F | 60.8°F (16.0°C) | | | | | 64.4°F (16.0°C) | | | | | 67.0°F (19.4°C) | | | | | 71.6°F (22.0°C) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ID DB °F | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C |
| 790 | -13°F 25°C | TC | 29987 | 29977 | 29968 | 30143 | 31030 | 31308 | 31290 | 31276 | 31274 | 31252 | 32242 | 32225 | 32204 | 32200 | 32178 | 34011 | 34002 | 33977 | 33969 | 33918 |
| | | S/T | 0.77 | 0.88 | 0.97 | 1.00 | 1.00 | 0.63 | 0.73 | 0.81 | 0.83 | 0.93 | 0.54 | 0.63 | 0.71 | 0.73 | 0.83 | 0.39 | 0.46 | 0.54 | 0.56 | 0.65 |
| | | PI | 1.41 | 1.41 | 1.41 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 |
| | -4°F 20°C | TC | 32294 | 32283 | 32274 | 32461 | 33417 | 33716 | 33697 | 33682 | 33680 | 33656 | 34722 | 34704 | 34681 | 34677 | 34653 | 36628 | 36618 | 36591 | 36582 | 36527 |
| | | S/T | 0.78 | 0.88 | 0.97 | 1.00 | 1.00 | 0.63 | 0.73 | 0.82 | 0.83 | 0.93 | 0.54 | 0.64 | 0.72 | 0.73 | 0.83 | 0.39 | 0.47 | 0.55 | 0.56 | 0.65 |
| | | PI | 1.46 | 1.46 | 1.46 | 1.45 | 1.45 | 1.44 | 1.45 | 1.45 | 1.45 | 1.45 | 1.44 | 1.44 | 1.44 | 1.44 | 1.44 | 1.45 | 1.45 | 1.45 | 1.45 | 1.45 |
| | 0°F 17.8°C | TC | 33360 | 33345 | 33474 | 33730 | 34664 | 34814 | 34788 | 34768 | 34765 | 34759 | 35835 | 35815 | 35782 | 35777 | 35745 | 37767 | 37756 | 37757 | 37762 | 37790 |
| | | S/T | 0.78 | 0.89 | 0.99 | 1.00 | 1.00 | 0.64 | 0.74 | 0.83 | 0.84 | 0.95 | 0.54 | 0.64 | 0.73 | 0.74 | 0.84 | 0.39 | 0.47 | 0.55 | 0.57 | 0.66 |
| | | PI | 1.47 | 1.47 | 1.47 | 1.47 | 1.46 | 1.46 | 1.46 | 1.46 | 1.46 | 1.46 | 1.46 | 1.46 | 1.46 | 1.47 | 1.47 | 1.48 | 1.48 | 1.48 | 1.48 | 1.48 |
| | 5°F 15°C | TC | 34341 | 34372 | 34835 | 34995 | 36065 | 35974 | 35982 | 35985 | 35986 | 36163 | 37151 | 37148 | 37158 | 37159 | 37164 | 39371 | 39360 | 39360 | 39363 | 39385 |
| | | S/T | 0.79 | 0.90 | 1.00 | 1.00 | 1.00 | 0.64 | 0.75 | 0.84 | 0.85 | 0.96 | 0.54 | 0.65 | 0.73 | 0.75 | 0.85 | 0.39 | 0.47 | 0.55 | 0.57 | 0.66 |
| | | PI | 1.48 | 1.48 | 1.48 | 1.48 | 1.48 | 1.48 | 1.48 | 1.48 | 1.48 | 1.49 | 1.49 | 1.49 | 1.49 | 1.49 | 1.49 | 1.52 | 1.52 | 1.52 | 1.52 | 1.52 |
| | 14°F 10°C | TC | 34416 | 34404 | 34546 | 34848 | 35930 | 36144 | 36123 | 36106 | 36103 | 36084 | 37393 | 37375 | 37347 | 37342 | 37310 | 39744 | 39732 | 39703 | 39695 | 39634 |
| | | S/T | 0.78 | 0.89 | 0.99 | 1.00 | 1.00 | 0.64 | 0.74 | 0.82 | 0.84 | 0.94 | 0.54 | 0.64 | 0.72 | 0.74 | 0.83 | 0.39 | 0.47 | 0.55 | 0.56 | 0.65 |
| | | PI | 1.48 | 1.48 | 1.48 | 1.48 | 1.48 | 1.47 | 1.47 | 1.47 | 1.47 | 1.48 | 1.47 | 1.47 | 1.47 | 1.47 | 1.47 | 1.48 | 1.48 | 1.48 | 1.48 | 1.48 |
| | 17°F 10°C | TC | 34484 | 34493 | 34916 | 35117 | 36248 | 36216 | 36219 | 36227 | 36228 | 36399 | 37371 | 37385 | 37409 | 37411 | 37421 | 39856 | 39844 | 39848 | 39856 | 39893 |
| | | S/T | 0.79 | 0.89 | 1.00 | 1.00 | 1.00 | 0.64 | 0.74 | 0.83 | 0.85 | 0.95 | 0.55 | 0.65 | 0.73 | 0.75 | 0.85 | 0.39 | 0.47 | 0.55 | 0.57 | 0.66 |
| | | PI | 1.47 | 1.47 | 1.47 | 1.47 | 1.46 | 1.46 | 1.46 | 1.46 | 1.46 | 1.46 | 1.46 | 1.46 | 1.46 | 1.46 | 1.46 | 1.47 | 1.47 | 1.47 | 1.47 | 1.48 |
| | 23°F 5°C | TC | 33917 | 33964 | 34517 | 34686 | 35820 | 35658 | 35667 | 35672 | 35672 | 35883 | 36915 | 36914 | 36925 | 36927 | 36933 | 39295 | 39283 | 39285 | 39290 | 39317 |
| | | S/T | 0.80 | 0.91 | 1.00 | 1.00 | 1.00 | 0.65 | 0.75 | 0.84 | 0.86 | 0.97 | 0.54 | 0.65 | 0.74 | 0.75 | 0.85 | 0.39 | 0.47 | 0.56 | 0.57 | 0.66 |
| | | PI | 1.61 | 1.61 | 1.61 | 1.61 | 1.62 | 1.62 | 1.62 | 1.62 | 1.62 | 1.62 | 1.63 | 1.63 | 1.63 | 1.63 | 1.63 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 |
| | 35°F 1.7°C | TC | 33249 | 33250 | 33314 | 33351 | 34208 | 34844 | 34839 | 34840 | 34842 | 34842 | 35964 | 35961 | 35957 | 35957 | 35961 | 38047 | 38038 | 38030 | 38035 | 38028 |
| | | S/T | 0.75 | 0.85 | 0.93 | 0.94 | 1.00 | 0.62 | 0.71 | 0.79 | 0.80 | 0.89 | 0.53 | 0.62 | 0.69 | 0.71 | 0.80 | 0.39 | 0.46 | 0.53 | 0.54 | 0.63 |
| | | PI | 1.77 | 1.77 | 1.78 | 1.78 | 1.84 | 1.88 | 1.88 | 1.88 | 1.88 | 1.88 | 1.96 | 1.96 | 1.96 | 1.96 | 1.96 | 2.13 | 2.13 | 2.13 | 2.13 | 2.13 |
| | 41°F 5°C | TC | 37008 | 37008 | 37111 | 37161 | 38216 | 38774 | 38770 | 38771 | 38772 | 38806 | 40015 | 40011 | 40007 | 40008 | 40012 | 42319 | 42309 | 42300 | 42304 | 42298 |
| | | S/T | 0.76 | 0.86 | 0.94 | 0.96 | 1.00 | 0.62 | 0.72 | 0.80 | 0.81 | 0.90 | 0.53 | 0.62 | 0.70 | 0.71 | 0.81 | 0.39 | 0.46 | 0.53 | 0.55 | 0.64 |
| | | PI | 2.10 | 2.10 | 2.11 | 2.11 | 2.19 | 2.23 | 2.23 | 2.23 | 2.23 | 2.23 | 2.33 | 2.33 | 2.33 | 2.33 | 2.33 | 2.54 | 2.54 | 2.54 | 2.54 | 2.54 |
| | 47°F 8.3°C | TC | 40766 | 40766 | 40923 | 40994 | 42255 | 42705 | 42699 | 42701 | 42701 | 42765 | 44065 | 44061 | 44057 | 44058 | 44060 | 46594 | 46582 | 46579 | 46578 | 46571 |
| | | S/T | 0.77 | 0.87 | 0.95 | 0.97 | 1.00 | 0.63 | 0.72 | 0.81 | 0.82 | 0.91 | 0.53 | 0.63 | 0.71 | 0.72 | 0.82 | 0.39 | 0.46 | 0.54 | 0.55 | 0.64 |
| | | PI | 2.42 | 2.42 | 2.43 | 2.44 | 2.54 | 2.58 | 2.58 | 2.58 | 2.58 | 2.59 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.95 | 2.95 | 2.95 | 2.95 | 2.94 |
| | 50°F 10°C | TC | 39755 | 40404 | 41754 | 41993 | 43602 | 42091 | 42116 | 42252 | 42306 | 43653 | 43748 | 43804 | 43830 | 43833 | 44030 | 46900 | 46923 | 47036 | 47049 | 47112 |
| | | S/T | 0.87 | 1.00 | 1.00 | 1.00 | 1.00 | 0.69 | 0.81 | 0.92 | 0.94 | 1.00 | 0.57 | 0.69 | 0.80 | 0.81 | 0.93 | 0.39 | 0.49 | 0.58 | 0.60 | 0.71 |
| | | PI | 2.78 | 2.78 | 2.78 | 2.78 | 2.78 | 2.78 | 2.78 | 2.78 | 2.78 | 2.78 | 2.78 | 2.77 | 2.78 | 2.77 | 2.77 | 2.77 | 2.77 | 2.77 | 2.77 | 2.77 |
| | 59°F 15°C | TC | 38987 | 39926 | 41331 | 41580 | 43253 | 41366 | 41384 | 41590 | 41670 | 43302 | 43084 | 43130 | 43148 | 43149 | 43434 | 46374 | 46386 | 46477 | 46488 | 46533 |
| | | S/T | 0.88 | 1.00 | 1.00 | 1.00 | 1.00 | 0.70 | 0.83 | 0.94 | 0.97 | 1.00 | 0.58 | 0.71 | 0.81 | 0.83 | 0.96 | 0.39 | 0.50 | 0.59 | 0.61 | 0.73 |
| | | PI | 2.97 | 2.98 | 2.99 | 2.99 | 3.00 | 2.99 | 2.99 | 2.99 | 2.99 | 3.00 | 3.00 | 3.00 | 3.00 | 3.00 | 3.00 | 3.02 | 3.02 | 3.02 | 3.02 | 3.01 |
| | 68°F 20°C | TC | 38258 | 39492 | 40945 | 41204 | 42936 | 40649 | 40662 | 40980 | 41248 | 42984 | 42418 | 42453 | 42465 | 42466 | 42950 | 45803 | 45818 | 45891 | 45900 | 45933 |
| | | S/T | 0.91 | 1.00 | 1.00 | 1.00 | 1.00 | 0.72 | 0.85 | 0.97 | 1.00 | 1.00 | 0.59 | 0.72 | 0.84 | 0.86 | 0.99 | 0.40 | 0.50 | 0.61 | 0.62 | 0.75 |
| | | PI | 3.17 | 3.19 | 3.20 | 3.21 | 3.22 | 3.20 | 3.20 | 3.20 | 3.21 | 3.23 | 3.22 | 3.22 | 3.22 | 3.22 | 3.23 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 |
| | 77°F 25°C | TC | 37459 | 38894 | 40402 | 40670 | 42468 | 39895 | 39913 | 40372 | 40718 | 42518 | 41716 | 41764 | 41783 | 41831 | 42556 | 45180 | 45221 | 45323 | 45334 | 45383 |
| | | S/T | 0.92 | 1.00 | 1.00 | 1.00 | 1.00 | 0.72 | 0.87 | 0.99 | 1.00 | 1.00 | 0.59 | 0.73 | 0.85 | 0.86 | 1.00 | 0.40 | 0.51 | 0.61 | 0.63 | 0.76 |
| | | PI | 3.40 | 3.41 | 3.43 | 3.43 | 3.45 | 3.43 | 3.42 | 3.43 | 3.43 | 3.45 | 3.44 | 3.44 | 3.44 | 3.44 | 3.45 | 3.48 | 3.48 | 3.48 | 3.48 | 3.48 |
| | 82°F 27.8°C | TC | 36758 | 38317 | 39844 | 40115 | 41939 | 39184 | 39248 | 39892 | 40164 | 41987 | 41018 | 41072 | 41093 | 41157 | 42025 | 44491 | 44548 | 44659 | 44671 | 44724 |
| | | S/T | 0.94 | 1.00 | 1.00 | 1.00 | 1.00 | 0.73 | 0.87 | 1.00 | 1.00 | 1.00 | 0.60 | 0.74 | 0.86 | 0.87 | 1.00 | 0.40 | 0.51 | 0.62 | 0.63 | 0.76 |
| | | PI | 3.53 | 3.55 | 3.57 | 3.57 | 3.58 | 3.56 | 3.56 | 3.57 | 3.57 | 3.59 | 3.58 | 3.58 | 3.58 | 3.58 | 3.59 | 3.62 | 3.62 | 3.61 | 3.61 | 3.61 |
| | 86°F 30°C | TC | 35847 | 37507 | 39029 | 39298 | 41130 | 38214 | 38294 | 39076 | 39345 | 41162 | 40037 | 40084 | 40148 | 40184 | 41200 | 43479 | 43541 | 43643 | 43655 | 43700 |
| | | S/T | 0.95 | 1.00 | 1.00 | 1.00 | 1.00 | 0.74 | 0.88 | 1.00 | 1.00 | 1.00 | 0.60 | 0.75 | 0.86 | 0.88 | 1.00 | 0.40 | 0.51 | 0.62 | 0.64 | 0.77 |
| | | PI | 3.65 | 3.67 | 3.69 | 3.69 | 3.72 | 3.68 | 3.68 | 3.69 | 3.69 | 3.71 | 3.70 | 3.70 | 3.70 | 3.70 | 3.71 | 3.75 | 3.75 | 3.74 | 3.74 | 3.74 |
| | 95°F 35°C | TC | 34235 | 34296 | 35033 | 35239 | 36621 | 36425 | 36434 | 36446 | 36448 | 36695 | 37998 | 38002 | 38021 | 38024 | 38041 | 41020 | 41005 | 41009 | 41007 | 41038 |
| | | S/T | 0.80 | 0.91 | 1.00 | 1.00 | 1.00 | 0.65 | 0.75 | 0.84 | 0.86 | 0.96 | 0.54 | 0.65 | 0.73 | 0.75 | 0.85 | 0.39 | 0.47 | 0.55 | 0.56 | 0.66 |
| | | PI | 3.77 | 3.78 | 3.82 | 3.83 | 3.90 | 3.89 | 3.89 | 3.89 | 3.89 | 3.91 | 3.98 | 3.98 | 3.98 | 3.98 | 3.98 | 4.15 | 4.14 | 4.14 | 4.14 | 4.15 |
| | 104°F 40°C | TC | 32663 | 32780 | 33724 | 33923 | 35268 | 34753 | 34765 | 34774 | 34775 | 35234 | 36255 | 36261 | 36280 | 36283 | 36294 | 39136 | 39121 | 39130 | 39122 | 39160 |
| | | S/T | 0.82 | 0.94 | 1.00 | 1.00 | 1.00 | 0.66 | 0.77 | 0.86 | 0.88 | 1.00 | 0.55 | 0.66 | 0.75 | 0.77 | 0.87 | 0.39 | 0.47 | 0.56 | 0.58 | 0.67 |
| | | PI | 4.10 | 4.11 | 4.17 | 4.18 | 4.26 | 4.23 | 4.23 | 4.23 | 4.23 | 4.26 | 4.32 | 4.32 | 4.32 | 4.32 | 4.32 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 |
| | 110°F 43°C | TC | 31514 | 32366 | 33594 | 33812 | 35264 | 33665 | 33678 | 33824 | 33890 | 35303 | 35204 | 35224 | 35236 | 35236 | 35442 | 38159 | 38142 | 38180 | 38187 | 38215 |
| | | S/T | 0.89 | 1.00 | 1.00 | 1.00 | 1.00 | 0.70 | 0.83 | 0.94 | 0.96 | 1.00 | 0.58 | 0.70 | 0.81 | 0.83 | 0.96 | 0.39 | 0.49 | 0.59 | 0.61 | 0.73 |
| | | PI | 4.35 | 4.39 | 4.45 | 4.46 | 4.53 | 4.45 | 4.45 | 4.46 | 4.46 | 4.53 | 4.53 | 4.53 | 4.53 | 4.53 | 4.53 | 4.67 | 4.67 | 4.67 | 4.67 | 4.67 |
| | 115°F 46°C | TC | 26822 | 27833 | 28926 | 29120 | 30419 | 28649 | 28656 | 28906 | 29157 | 30453 | 30016 | 30043 | 30052 | 30052 | 30481 | 32575 | 32560 | 32611 | 32616 | 32633 |
| | | S/T | 0.92 | 1.00 | 1.00 | 1.00 | 1.00 | 0.72 | 0.86 | 0.98 | 1.00 | 1.00 | 0.59 | 0.73 | 0.84 | 0.86 | 1.00 | 0.40 | 0.50 | 0.61 | 0.63 | 0.75 |
| | | PI | 3.80 | 3.84 | 3.89 | 3.90 | 3.95 | 3.88 | 3.88 | 3.89 | 3.90 | 3.95 | 3.95 | 3.95 | 3.95 | 3.95 | 3.95 | 4.05 | 4.05 | 4.05 | 4.05 | 4.05 |
| | 122°F 50°C | TC | 20892 | 22036 | 23017 | 23192 | 24357 | 21860 | 22031 | 23043 | 23218 | 24381 | 23020 | 23019 | 23139 | 23208 | 24403 | 25194 | 25243 | 25257 | 25256 | 25243 |
| | | S/T | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.80 | 0.98 | 1.00 | 1.00 | 1.00 | 0.64 | 0.81 | 0.95 | 0.98 | 1.00 | 0.41 | 0.54 | 0.67 | 0.69 | 0.84 |
| | | PI | 3.12 | 3.15 | 3.18 | 3.18 | 3.21 | 3.15 | 3.15 | 3.18 | 3.18 | 3.21 | 3.18 | 3.18 | 3.18 | 3.18 | 3.21 | 3.24 | 3.24 | 3.23 | 3.23 | 3.23 |

**Manufacturer reserves the right to change, at any time, specifications and designs without notice and without obligations.**

## Table 28 – 48K Cooling — 37MURA + 45MULA (60D) (Continued)

| Airflow CFM | Out-door DB °F | ID WB °F | 60.8°F (16.0°C) | | | | | 64.4°F (16.0°C) | | | | | 67.0°F (19.4°C) | | | | | 71.6°F (22.0°C) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ID DB °F | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C |
| 1050 | -13°F 25°C | TC | 38758 | 38741 | 39293 | 39456 | 40542 | 40439 | 40405 | 40380 | 40376 | 40343 | 41648 | 41595 | 41556 | 41550 | 41511 | 43930 | 43919 | 43828 | 43812 | 43719 |
| | | S/T | 0.80 | 0.91 | 1.00 | 1.00 | 1.00 | 0.65 | 0.75 | 0.85 | 0.86 | 0.97 | 0.55 | 0.65 | 0.74 | 0.76 | 0.86 | 0.39 | 0.47 | 0.56 | 0.57 | 0.67 |
| | | PI | 1.79 | 1.79 | 1.79 | 1.79 | 1.78 | 1.78 | 1.78 | 1.78 | 1.78 | 1.78 | 1.78 | 1.78 | 1.78 | 1.78 | 1.78 | 1.79 | 1.79 | 1.79 | 1.79 | 1.79 |
| | -4°F 20°C | TC | 41740 | 41721 | 42316 | 42491 | 43661 | 43549 | 43514 | 43486 | 43482 | 43446 | 44852 | 44795 | 44753 | 44746 | 44704 | 47310 | 47297 | 47200 | 47182 | 47082 |
| | | S/T | 0.80 | 0.92 | 1.00 | 1.00 | 1.00 | 0.65 | 0.76 | 0.85 | 0.87 | 0.98 | 0.55 | 0.65 | 0.74 | 0.76 | 0.86 | 0.39 | 0.48 | 0.56 | 0.57 | 0.67 |
| | | PI | 1.85 | 1.86 | 1.85 | 1.85 | 1.85 | 1.84 | 1.85 | 1.85 | 1.85 | 1.85 | 1.84 | 1.84 | 1.84 | 1.84 | 1.84 | 1.85 | 1.85 | 1.85 | 1.85 | 1.85 |
| | 0°F 17.8°C | TC | 43125 | 43100 | 43899 | 44083 | 45293 | 44975 | 44925 | 44890 | 44885 | 45336 | 46297 | 46231 | 46173 | 46167 | 46145 | 48786 | 48775 | 48771 | 48778 | 48809 |
| | | S/T | 0.81 | 0.93 | 1.00 | 1.00 | 1.00 | 0.66 | 0.77 | 0.86 | 0.88 | 1.00 | 0.55 | 0.66 | 0.75 | 0.77 | 0.87 | 0.39 | 0.48 | 0.57 | 0.58 | 0.68 |
| | | PI | 1.87 | 1.87 | 1.87 | 1.87 | 1.87 | 1.87 | 1.87 | 1.87 | 1.87 | 1.87 | 1.87 | 1.87 | 1.87 | 1.87 | 1.87 | 1.89 | 1.89 | 1.89 | 1.89 | 1.89 |
| | 5°F 15°C | TC | 44362 | 44514 | 45532 | 45742 | 47151 | 46442 | 46454 | 46457 | 46505 | 47198 | 47927 | 47939 | 47949 | 47951 | 48014 | 50738 | 50723 | 50749 | 50755 | 50777 |
| | | S/T | 0.82 | 0.94 | 1.00 | 1.00 | 1.00 | 0.66 | 0.78 | 0.87 | 0.88 | 1.00 | 0.56 | 0.67 | 0.76 | 0.78 | 0.88 | 0.39 | 0.48 | 0.57 | 0.59 | 0.69 |
| | | PI | 1.89 | 1.89 | 1.89 | 1.89 | 1.90 | 1.89 | 1.89 | 1.89 | 1.89 | 1.90 | 1.91 | 1.91 | 1.91 | 1.91 | 1.91 | 1.95 | 1.95 | 1.95 | 1.95 | 1.95 |
| | 14°F 10°C | TC | 44493 | 44470 | 45378 | 45591 | 47005 | 46702 | 46661 | 46629 | 46624 | 47060 | 48302 | 48241 | 48192 | 48185 | 48136 | 51360 | 51344 | 51246 | 51228 | 51119 |
| | | S/T | 0.81 | 0.93 | 1.00 | 1.00 | 1.00 | 0.65 | 0.76 | 0.86 | 0.87 | 1.00 | 0.55 | 0.66 | 0.75 | 0.76 | 0.87 | 0.39 | 0.48 | 0.56 | 0.57 | 0.67 |
| | | PI | 1.89 | 1.89 | 1.89 | 1.88 | 1.88 | 1.88 | 1.88 | 1.88 | 1.88 | 1.88 | 1.88 | 1.88 | 1.88 | 1.88 | 1.88 | 1.89 | 1.89 | 1.89 | 1.89 | 1.89 |
| | 17°F 10°C | TC | 44432 | 44577 | 45607 | 45830 | 47318 | 46644 | 46663 | 46672 | 46711 | 47369 | 48236 | 48254 | 48273 | 48275 | 48335 | 51300 | 51286 | 51278 | 51288 | 51330 |
| | | S/T | 0.82 | 0.93 | 1.00 | 1.00 | 1.00 | 0.66 | 0.77 | 0.87 | 0.88 | 1.00 | 0.55 | 0.66 | 0.76 | 0.77 | 0.87 | 0.39 | 0.48 | 0.57 | 0.58 | 0.68 |
| | | PI | 1.87 | 1.87 | 1.87 | 1.87 | 1.87 | 1.87 | 1.87 | 1.87 | 1.87 | 1.87 | 1.87 | 1.87 | 1.87 | 1.87 | 1.87 | 1.89 | 1.89 | 1.89 | 1.89 | 1.89 |
| | 23°F 5°C | TC | 43814 | 44002 | 45140 | 45363 | 46858 | 46032 | 46046 | 46051 | 46111 | 46908 | 47620 | 47636 | 47649 | 47650 | 47727 | 50634 | 50619 | 50655 | 50662 | 50691 |
| | | S/T | 0.83 | 0.95 | 1.00 | 1.00 | 1.00 | 0.66 | 0.78 | 0.88 | 0.89 | 1.00 | 0.56 | 0.67 | 0.76 | 0.78 | 0.89 | 0.39 | 0.48 | 0.57 | 0.59 | 0.69 |
| | | PI | 2.05 | 2.05 | 2.06 | 2.06 | 2.08 | 2.07 | 2.07 | 2.07 | 2.07 | 2.08 | 2.08 | 2.08 | 2.08 | 2.08 | 2.08 | 2.12 | 2.12 | 2.12 | 2.12 | 2.12 |
| | 35°F 1.7°C | TC | 42983 | 42984 | 43237 | 43357 | 44756 | 44992 | 44990 | 44994 | 44994 | 45114 | 46400 | 46397 | 46399 | 46401 | 46405 | 49013 | 49001 | 48999 | 48997 | 49001 |
| | | S/T | 0.78 | 0.88 | 0.97 | 0.99 | 1.00 | 0.63 | 0.73 | 0.82 | 0.83 | 0.93 | 0.54 | 0.63 | 0.72 | 0.73 | 0.83 | 0.39 | 0.46 | 0.54 | 0.56 | 0.65 |
| | | PI | 2.26 | 2.26 | 2.28 | 2.29 | 2.38 | 2.40 | 2.40 | 2.40 | 2.40 | 2.41 | 2.51 | 2.51 | 2.51 | 2.51 | 2.51 | 2.72 | 2.72 | 2.72 | 2.72 | 2.72 |
| | 41°F 5°C | TC | 47839 | 47840 | 48221 | 48556 | 49991 | 50064 | 50063 | 50066 | 50066 | 50242 | 51626 | 51623 | 51626 | 51626 | 51630 | 54523 | 54509 | 54506 | 54503 | 54509 |
| | | S/T | 0.78 | 0.89 | 0.98 | 1.00 | 1.00 | 0.64 | 0.74 | 0.83 | 0.84 | 0.94 | 0.54 | 0.64 | 0.72 | 0.74 | 0.84 | 0.39 | 0.47 | 0.55 | 0.56 | 0.66 |
| | | PI | 2.68 | 2.68 | 2.71 | 2.73 | 2.84 | 2.85 | 2.85 | 2.85 | 2.85 | 2.86 | 2.98 | 2.98 | 2.98 | 2.98 | 2.98 | 3.24 | 3.24 | 3.24 | 3.24 | 3.24 |
| | 47°F 8.3°C | TC | 52697 | 52732 | 53439 | 53678 | 55266 | 55140 | 55138 | 55140 | 55139 | 55395 | 56853 | 56848 | 56852 | 56851 | 56851 | 60036 | 60021 | 60015 | 60013 | 60019 |
| | | S/T | 0.79 | 0.90 | 1.00 | 1.00 | 1.00 | 0.64 | 0.75 | 0.84 | 0.85 | 0.96 | 0.54 | 0.65 | 0.73 | 0.75 | 0.85 | 0.39 | 0.47 | 0.55 | 0.57 | 0.67 |
| | | PI | 3.10 | 3.10 | 3.15 | 3.18 | 3.31 | 3.30 | 3.30 | 3.30 | 3.30 | 3.32 | 3.45 | 3.45 | 3.45 | 3.45 | 3.45 | 3.76 | 3.76 | 3.76 | 3.76 | 3.76 |
| | 50°F 10°C | TC | 51432 | 52848 | 54631 | 54948 | 57078 | 54335 | 54365 | 54741 | 54913 | 57132 | 56455 | 56528 | 56558 | 56561 | 57105 | 60346 | 60505 | 60661 | 60679 | 60756 |
| | | S/T | 0.90 | 1.00 | 1.00 | 1.00 | 1.00 | 0.71 | 0.85 | 0.96 | 0.99 | 1.00 | 0.59 | 0.72 | 0.83 | 0.85 | 0.99 | 0.40 | 0.50 | 0.60 | 0.62 | 0.74 |
| | | PI | 3.55 | 3.55 | 3.55 | 3.55 | 3.55 | 3.55 | 3.55 | 3.55 | 3.55 | 3.55 | 3.55 | 3.55 | 3.55 | 3.55 | 3.55 | 3.54 | 3.54 | 3.54 | 3.54 | 3.54 |
| | 59°F 15°C | TC | 50470 | 52240 | 54095 | 54424 | 56638 | 53399 | 53472 | 54079 | 54482 | 56694 | 55602 | 55659 | 55678 | 55759 | 56741 | 59706 | 59825 | 59945 | 59958 | 60008 |
| | | S/T | 0.92 | 1.00 | 1.00 | 1.00 | 1.00 | 0.73 | 0.86 | 1.00 | 1.00 | 1.00 | 0.60 | 0.73 | 0.85 | 0.86 | 1.00 | 0.40 | 0.51 | 0.61 | 0.63 | 0.76 |
| | | PI | 3.80 | 3.81 | 3.82 | 3.82 | 3.83 | 3.82 | 3.82 | 3.82 | 3.82 | 3.84 | 3.83 | 3.83 | 3.83 | 3.83 | 3.84 | 3.86 | 3.86 | 3.85 | 3.85 | 3.85 |
| | 68°F 20°C | TC | 49490 | 51602 | 53516 | 53856 | 56141 | 52393 | 52511 | 53574 | 53915 | 56197 | 54658 | 54699 | 54797 | 54845 | 56244 | 58894 | 59003 | 59096 | 59105 | 59136 |
| | | S/T | 0.95 | 1.00 | 1.00 | 1.00 | 1.00 | 0.74 | 0.89 | 1.00 | 1.00 | 1.00 | 0.61 | 0.75 | 0.87 | 0.89 | 1.00 | 0.40 | 0.51 | 0.63 | 0.65 | 0.78 |
| | | PI | 4.05 | 4.08 | 4.10 | 4.10 | 4.13 | 4.09 | 4.09 | 4.10 | 4.10 | 4.13 | 4.12 | 4.12 | 4.12 | 4.12 | 4.13 | 4.17 | 4.17 | 4.17 | 4.17 | 4.16 |
| | 77°F 25°C | TC | 48477 | 50811 | 52800 | 53151 | 55526 | 51392 | 51555 | 52857 | 53211 | 55582 | 53719 | 53780 | 53917 | 53977 | 55629 | 58019 | 58195 | 58330 | 58344 | 58398 |
| | | S/T | 0.97 | 1.00 | 1.00 | 1.00 | 1.00 | 0.75 | 0.90 | 1.00 | 1.00 | 1.00 | 0.61 | 0.76 | 0.88 | 0.90 | 1.00 | 0.40 | 0.52 | 0.63 | 0.65 | 0.79 |
| | | PI | 4.34 | 4.37 | 4.39 | 4.39 | 4.41 | 4.38 | 4.38 | 4.39 | 4.39 | 4.41 | 4.40 | 4.40 | 4.40 | 4.40 | 4.41 | 4.45 | 4.45 | 4.45 | 4.44 | 4.44 |
| | 82°F 27.8°C | TC | 47607 | 50037 | 52055 | 52408 | 54808 | 50448 | 50643 | 52101 | 52467 | 54866 | 52795 | 52862 | 53026 | 53092 | 54914 | 57083 | 57297 | 57447 | 57462 | 57524 |
| | | S/T | 0.99 | 1.00 | 1.00 | 1.00 | 1.00 | 0.76 | 0.91 | 1.00 | 1.00 | 1.00 | 0.62 | 0.77 | 0.89 | 0.92 | 1.00 | 0.40 | 0.52 | 0.64 | 0.66 | 0.80 |
| | | PI | 4.52 | 4.54 | 4.57 | 4.57 | 4.59 | 4.55 | 4.55 | 4.56 | 4.57 | 4.59 | 4.57 | 4.57 | 4.57 | 4.57 | 4.59 | 4.63 | 4.62 | 4.62 | 4.62 | 4.61 |
| | 86°F 30°C | TC | 46677 | 49008 | 51012 | 51368 | 53760 | 49225 | 49452 | 51069 | 51426 | 53816 | 51558 | 51617 | 51806 | 51881 | 53862 | 55817 | 56033 | 56166 | 56180 | 56232 |
| | | S/T | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.77 | 0.93 | 1.00 | 1.00 | 1.00 | 0.62 | 0.78 | 0.91 | 0.93 | 1.00 | 0.40 | 0.52 | 0.64 | 0.66 | 0.81 |
| | | PI | 4.67 | 4.70 | 4.72 | 4.72 | 4.75 | 4.70 | 4.70 | 4.72 | 4.72 | 4.75 | 4.73 | 4.73 | 4.73 | 4.73 | 4.75 | 4.79 | 4.79 | 4.78 | 4.78 | 4.78 |
| | 95°F 35°C | TC | 44228 | 44467 | 45904 | 46176 | 48001 | 47005 | 47032 | 47047 | 47103 | 48061 | 49022 | 49032 | 49062 | 49067 | 49148 | 52824 | 52803 | 52814 | 52829 | 52900 |
| | | S/T | 0.83 | 0.95 | 1.00 | 1.00 | 1.00 | 0.66 | 0.78 | 0.88 | 0.89 | 1.00 | 0.56 | 0.67 | 0.76 | 0.78 | 0.88 | 0.39 | 0.48 | 0.57 | 0.58 | 0.68 |
| | | PI | 4.82 | 4.83 | 4.91 | 4.92 | 5.02 | 4.97 | 4.97 | 4.97 | 4.97 | 5.03 | 5.08 | 5.08 | 5.08 | 5.08 | 5.09 | 5.29 | 5.29 | 5.29 | 5.29 | 5.29 |
| | 104°F 40°C | TC | 42200 | 42586 | 44189 | 44455 | 46228 | 44859 | 44884 | 44963 | 45011 | 46286 | 46773 | 46792 | 46816 | 46818 | 46951 | 50414 | 50394 | 50418 | 50435 | 50488 |
| | | S/T | 0.85 | 0.98 | 1.00 | 1.00 | 1.00 | 0.68 | 0.80 | 0.90 | 0.92 | 1.00 | 0.56 | 0.68 | 0.78 | 0.80 | 0.91 | 0.39 | 0.48 | 0.58 | 0.59 | 0.70 |
| | | PI | 5.24 | 5.27 | 5.36 | 5.38 | 5.48 | 5.41 | 5.40 | 5.41 | 5.41 | 5.49 | 5.52 | 5.52 | 5.52 | 5.52 | 5.53 | 5.75 | 5.75 | 5.75 | 5.75 | 5.75 |
| | 110°F 43°C | TC | 40826 | 42394 | 44011 | 44297 | 46216 | 43465 | 43478 | 43964 | 44348 | 46264 | 45422 | 45457 | 45468 | 45503 | 46304 | 49163 | 49166 | 49243 | 49250 | 49278 |
| | | S/T | 0.92 | 1.00 | 1.00 | 1.00 | 1.00 | 0.72 | 0.87 | 0.99 | 1.00 | 1.00 | 0.60 | 0.73 | 0.85 | 0.86 | 1.00 | 0.40 | 0.51 | 0.61 | 0.63 | 0.76 |
| | | PI | 5.56 | 5.64 | 5.71 | 5.73 | 5.82 | 5.69 | 5.69 | 5.71 | 5.73 | 5.82 | 5.79 | 5.78 | 5.78 | 5.78 | 5.82 | 5.98 | 5.98 | 5.97 | 5.97 | 5.97 |
| | 115°F 46°C | TC | 34772 | 36447 | 37888 | 38170 | 39851 | 36978 | 37052 | 37931 | 38218 | 39891 | 38702 | 38726 | 38779 | 38816 | 39926 | 41964 | 41996 | 42054 | 42060 | 42073 |
| | | S/T | 0.96 | 1.00 | 1.00 | 1.00 | 1.00 | 0.75 | 0.89 | 1.00 | 1.00 | 1.00 | 0.61 | 0.75 | 0.87 | 0.90 | 1.00 | 0.40 | 0.52 | 0.63 | 0.65 | 0.78 |
| | | PI | 4.88 | 4.95 | 5.01 | 5.03 | 5.09 | 4.97 | 4.97 | 5.01 | 5.04 | 5.09 | 5.05 | 5.05 | 5.05 | 5.05 | 5.09 | 5.20 | 5.19 | 5.19 | 5.19 | 5.18 |
| | 122°F 50°C | TC | 27036 | 28527 | 29804 | 30027 | 31543 | 27898 | 28557 | 29838 | 30060 | 31573 | 29379 | 29371 | 29859 | 30084 | 31592 | 32080 | 32204 | 32212 | 32209 | 32251 |
| | | S/T | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.84 | 1.00 | 1.00 | 1.00 | 1.00 | 0.67 | 0.85 | 1.00 | 1.00 | 1.00 | 0.41 | 0.55 | 0.69 | 0.72 | 0.88 |
| | | PI | 3.99 | 4.03 | 4.06 | 4.07 | 4.10 | 4.02 | 4.03 | 4.06 | 4.07 | 4.10 | 4.06 | 4.05 | 4.06 | 4.07 | 4.10 | 4.15 | 4.13 | 4.12 | 4.12 | 4.12 |

## Table 29 – 54K Cooling — 37MURA + 45MULA (60C)

| Airflow CFM | Out-door DB °F | ID WB °F | 60.8°F (16.0°C) | | | | | 64.4°F (16.0°C) | | | | | 67.0°F (19.4°C) | | | | | 71.6°F (22.0°C) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ID DB °F | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C |
| 785 | -13°F 25°C | TC | 37474 | 37461 | 37450 | 37668 | 38777 | 39124 | 39102 | 39085 | 39082 | 39055 | 40292 | 40271 | 40244 | 40239 | 40212 | 42503 | 42491 | 42460 | 42449 | 42386 |
| | | S/T | 0.77 | 0.88 | 0.97 | 1.00 | 1.00 | 0.63 | 0.73 | 0.81 | 0.83 | 0.93 | 0.54 | 0.63 | 0.71 | 0.73 | 0.83 | 0.39 | 0.46 | 0.54 | 0.56 | 0.65 |
| | | PI | 2.10 | 2.10 | 2.10 | 2.09 | 2.09 | 2.08 | 2.08 | 2.08 | 2.08 | 2.08 | 2.08 | 2.08 | 2.08 | 2.08 | 2.08 | 2.08 | 2.08 | 2.08 | 2.09 | 2.09 |
| | -4°F 20°C | TC | 40357 | 40342 | 40331 | 40566 | 41760 | 42133 | 42110 | 42091 | 42088 | 42059 | 43391 | 43368 | 43340 | 43335 | 43305 | 45772 | 45760 | 45726 | 45715 | 45647 |
| | | S/T | 0.78 | 0.88 | 0.97 | 1.00 | 1.00 | 0.63 | 0.73 | 0.82 | 0.83 | 0.93 | 0.54 | 0.64 | 0.72 | 0.73 | 0.83 | 0.39 | 0.47 | 0.55 | 0.56 | 0.65 |
| | | PI | 2.17 | 2.17 | 2.17 | 2.17 | 2.16 | 2.16 | 2.16 | 2.16 | 2.16 | 2.16 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.16 | 2.16 | 2.16 | 2.16 | 2.16 |
| | 0°F 17.8°C | TC | 41688 | 41670 | 41831 | 42150 | 43318 | 43506 | 43473 | 43448 | 43444 | 43437 | 44782 | 44756 | 44716 | 44709 | 44670 | 47196 | 47182 | 47184 | 47189 | 47224 |
| | | S/T | 0.78 | 0.89 | 0.99 | 1.00 | 1.00 | 0.64 | 0.74 | 0.83 | 0.84 | 0.95 | 0.54 | 0.64 | 0.73 | 0.74 | 0.84 | 0.39 | 0.47 | 0.55 | 0.57 | 0.66 |
| | | PI | 2.19 | 2.19 | 2.19 | 2.19 | 2.18 | 2.18 | 2.18 | 2.18 | 2.18 | 2.18 | 2.18 | 2.18 | 2.18 | 2.18 | 2.19 | 2.20 | 2.20 | 2.20 | 2.20 | 2.20 |
| | 5°F 15°C | TC | 42915 | 42953 | 43532 | 43732 | 45069 | 44955 | 44965 | 44970 | 44970 | 45192 | 46427 | 46423 | 46435 | 46436 | 46442 | 49201 | 49186 | 49187 | 49190 | 49218 |
| | | S/T | 0.79 | 0.90 | 1.00 | 1.00 | 1.00 | 0.64 | 0.75 | 0.84 | 0.85 | 0.96 | 0.54 | 0.65 | 0.73 | 0.75 | 0.85 | 0.39 | 0.47 | 0.55 | 0.57 | 0.66 |
| | | PI | 2.21 | 2.21 | 2.21 | 2.21 | 2.21 | 2.21 | 2.21 | 2.21 | 2.21 | 2.22 | 2.23 | 2.23 | 2.23 | 2.23 | 2.23 | 2.27 | 2.27 | 2.27 | 2.27 | 2.27 |
| | 14°F 10°C | TC | 42889 | 42873 | 43050 | 43427 | 44774 | 45042 | 45016 | 44994 | 44991 | 44967 | 46598 | 46576 | 46540 | 46534 | 46495 | 49528 | 49513 | 49477 | 49466 | 49390 |
| | | S/T | 0.78 | 0.89 | 0.99 | 1.00 | 1.00 | 0.64 | 0.74 | 0.82 | 0.84 | 0.94 | 0.54 | 0.64 | 0.72 | 0.74 | 0.83 | 0.39 | 0.47 | 0.55 | 0.56 | 0.65 |
| | | PI | 2.79 | 2.79 | 2.79 | 2.79 | 2.78 | 2.78 | 2.78 | 2.78 | 2.78 | 2.78 | 2.77 | 2.77 | 2.77 | 2.77 | 2.77 | 2.78 | 2.78 | 2.78 | 2.78 | 2.78 |
| | 17°F 10°C | TC | 42934 | 42944 | 43471 | 43721 | 45129 | 45089 | 45093 | 45103 | 45104 | 45317 | 46527 | 46545 | 46575 | 46577 | 46589 | 49622 | 49606 | 49612 | 49621 | 49667 |
| | | S/T | 0.79 | 0.89 | 1.00 | 1.00 | 1.00 | 0.64 | 0.74 | 0.83 | 0.85 | 0.95 | 0.55 | 0.65 | 0.73 | 0.75 | 0.85 | 0.39 | 0.47 | 0.55 | 0.57 | 0.66 |
| | | PI | 2.96 | 2.96 | 2.96 | 2.95 | 2.95 | 2.95 | 2.95 | 2.95 | 2.95 | 2.95 | 2.95 | 2.95 | 2.95 | 2.95 | 2.95 | 2.97 | 2.97 | 2.97 | 2.97 | 2.97 |
| | 23°F 5°C | TC | 42215 | 42274 | 42961 | 43172 | 44583 | 44382 | 44393 | 44399 | 44400 | 44663 | 45947 | 45945 | 45959 | 45961 | 45969 | 48909 | 48894 | 48896 | 48902 | 48936 |
| | | S/T | 0.80 | 0.91 | 1.00 | 1.00 | 1.00 | 0.65 | 0.75 | 0.84 | 0.86 | 0.97 | 0.54 | 0.65 | 0.74 | 0.75 | 0.85 | 0.39 | 0.47 | 0.56 | 0.57 | 0.66 |
| | | PI | 3.25 | 3.25 | 3.25 | 3.26 | 3.27 | 3.27 | 3.27 | 3.27 | 3.27 | 3.27 | 3.29 | 3.29 | 3.29 | 3.29 | 3.29 | 3.35 | 3.35 | 3.35 | 3.35 | 3.35 |
| | 35°F 1.7°C | TC | 41359 | 41360 | 41440 | 41486 | 42552 | 43343 | 43337 | 43339 | 43340 | 43341 | 44736 | 44733 | 44728 | 44728 | 44733 | 47327 | 47316 | 47306 | 47312 | 47304 |
| | | S/T | 0.75 | 0.85 | 0.93 | 0.94 | 1.00 | 0.62 | 0.71 | 0.79 | 0.80 | 0.89 | 0.53 | 0.62 | 0.69 | 0.71 | 0.80 | 0.39 | 0.46 | 0.53 | 0.54 | 0.63 |
| | | PI | 3.59 | 3.59 | 3.60 | 3.60 | 3.71 | 3.80 | 3.80 | 3.80 | 3.80 | 3.80 | 3.96 | 3.96 | 3.96 | 3.96 | 3.97 | 4.31 | 4.31 | 4.31 | 4.31 | 4.31 |
| | 41°F 5°C | TC | 39964 | 39965 | 40076 | 40130 | 41269 | 41872 | 41867 | 41869 | 41869 | 41906 | 43212 | 43207 | 43204 | 43204 | 43209 | 45700 | 45689 | 45679 | 45684 | 45678 |
| | | S/T | 0.76 | 0.86 | 0.94 | 0.96 | 1.00 | 0.62 | 0.72 | 0.80 | 0.81 | 0.90 | 0.53 | 0.62 | 0.70 | 0.71 | 0.81 | 0.39 | 0.46 | 0.53 | 0.55 | 0.64 |
| | | PI | 2.85 | 2.85 | 2.86 | 2.87 | 2.97 | 3.03 | 3.03 | 3.03 | 3.03 | 3.03 | 3.17 | 3.17 | 3.17 | 3.16 | 3.17 | 3.45 | 3.45 | 3.45 | 3.45 | 3.45 |
| | 47°F 8.3°C | TC | 38565 | 38566 | 38714 | 38781 | 39975 | 40400 | 40395 | 40396 | 40396 | 40457 | 41687 | 41683 | 41679 | 41680 | 41682 | 44079 | 44068 | 44065 | 44064 | 44057 |
| | | S/T | 0.77 | 0.87 | 0.95 | 0.97 | 1.00 | 0.63 | 0.72 | 0.81 | 0.82 | 0.91 | 0.53 | 0.63 | 0.71 | 0.72 | 0.82 | 0.39 | 0.46 | 0.54 | 0.55 | 0.64 |
| | | PI | 2.12 | 2.12 | 2.13 | 2.14 | 2.23 | 2.26 | 2.26 | 2.26 | 2.26 | 2.27 | 2.37 | 2.37 | 2.37 | 2.37 | 2.37 | 2.58 | 2.58 | 2.58 | 2.58 | 2.58 |
| | 50°F 10°C | TC | 37507 | 38120 | 39394 | 39619 | 41137 | 39711 | 39735 | 39864 | 39915 | 41185 | 41275 | 41328 | 41352 | 41355 | 41541 | 44248 | 44270 | 44377 | 44390 | 44449 |
| | | S/T | 0.87 | 1.00 | 1.00 | 1.00 | 1.00 | 0.69 | 0.81 | 0.92 | 0.94 | 1.00 | 0.57 | 0.69 | 0.80 | 0.81 | 0.93 | 0.39 | 0.49 | 0.58 | 0.60 | 0.71 |
| | | PI | 2.42 | 2.42 | 2.42 | 2.42 | 2.42 | 2.42 | 2.42 | 2.42 | 2.42 | 2.42 | 2.42 | 2.42 | 2.42 | 2.42 | 2.42 | 2.42 | 2.42 | 2.42 | 2.42 | 2.42 |
| | 59°F 15°C | TC | 36478 | 37356 | 38671 | 38903 | 40469 | 38704 | 38721 | 38913 | 38988 | 40515 | 40311 | 40354 | 40370 | 40372 | 40639 | 43389 | 43401 | 43486 | 43496 | 43538 |
| | | S/T | 0.88 | 1.00 | 1.00 | 1.00 | 1.00 | 0.70 | 0.83 | 0.94 | 0.97 | 1.00 | 0.58 | 0.71 | 0.81 | 0.83 | 0.96 | 0.39 | 0.50 | 0.59 | 0.61 | 0.73 |
| | | PI | 2.56 | 2.57 | 2.57 | 2.58 | 2.58 | 2.58 | 2.57 | 2.58 | 2.58 | 2.58 | 2.58 | 2.58 | 2.58 | 2.58 | 2.58 | 2.60 | 2.60 | 2.60 | 2.60 | 2.60 |
| | 68°F 20°C | TC | 35487 | 36631 | 37979 | 38219 | 39826 | 37704 | 37716 | 38011 | 38259 | 39870 | 39345 | 39378 | 39389 | 39390 | 39838 | 42485 | 42499 | 42567 | 42575 | 42605 |
| | | S/T | 0.91 | 1.00 | 1.00 | 1.00 | 1.00 | 0.72 | 0.85 | 0.97 | 1.00 | 1.00 | 0.59 | 0.72 | 0.84 | 0.86 | 0.99 | 0.40 | 0.50 | 0.61 | 0.62 | 0.75 |
| | | PI | 2.70 | 2.72 | 2.73 | 2.73 | 2.75 | 2.73 | 2.73 | 2.73 | 2.73 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.78 | 2.78 | 2.78 | 2.78 | 2.78 |
| | 77°F 25°C | TC | 34432 | 35751 | 37138 | 37384 | 39037 | 36671 | 36689 | 37110 | 37429 | 39083 | 38345 | 38389 | 38407 | 38452 | 39118 | 41530 | 41568 | 41661 | 41671 | 41716 |
| | | S/T | 0.92 | 1.00 | 1.00 | 1.00 | 1.00 | 0.72 | 0.87 | 0.99 | 1.00 | 1.00 | 0.59 | 0.73 | 0.85 | 0.86 | 1.00 | 0.40 | 0.51 | 0.61 | 0.63 | 0.76 |
| | | PI | 2.87 | 2.88 | 2.90 | 2.90 | 2.91 | 2.89 | 2.89 | 2.90 | 2.90 | 2.91 | 2.91 | 2.91 | 2.91 | 2.91 | 2.91 | 2.94 | 2.94 | 2.94 | 2.94 | 2.94 |
| | 82°F 27.8°C | TC | 34120 | 35567 | 36984 | 37236 | 38929 | 36372 | 36431 | 37029 | 37281 | 38973 | 38074 | 38124 | 38143 | 38203 | 39009 | 41298 | 41350 | 41454 | 41465 | 41515 |
| | | S/T | 0.94 | 1.00 | 1.00 | 1.00 | 1.00 | 0.73 | 0.87 | 1.00 | 1.00 | 1.00 | 0.60 | 0.74 | 0.86 | 0.87 | 1.00 | 0.40 | 0.51 | 0.62 | 0.63 | 0.76 |
| | | PI | 3.16 | 3.17 | 3.19 | 3.19 | 3.20 | 3.18 | 3.18 | 3.19 | 3.19 | 3.20 | 3.20 | 3.20 | 3.20 | 3.20 | 3.20 | 3.23 | 3.23 | 3.23 | 3.23 | 3.23 |
| | 86°F 30°C | TC | 34186 | 35770 | 37221 | 37477 | 39224 | 36444 | 36520 | 37266 | 37523 | 39255 | 38182 | 38228 | 38288 | 38322 | 39292 | 41464 | 41524 | 41621 | 41632 | 41675 |
| | | S/T | 0.95 | 1.00 | 1.00 | 1.00 | 1.00 | 0.74 | 0.88 | 1.00 | 1.00 | 1.00 | 0.60 | 0.75 | 0.86 | 0.88 | 1.00 | 0.40 | 0.51 | 0.62 | 0.64 | 0.77 |
| | | PI | 3.63 | 3.65 | 3.66 | 3.67 | 3.69 | 3.66 | 3.66 | 3.66 | 3.67 | 3.69 | 3.68 | 3.68 | 3.68 | 3.68 | 3.69 | 3.72 | 3.72 | 3.72 | 3.72 | 3.71 |
| | 95°F 35°C | TC | 34768 | 34830 | 35577 | 35787 | 37190 | 36991 | 37000 | 37013 | 37015 | 37266 | 38589 | 38593 | 38612 | 38615 | 38633 | 41657 | 41643 | 41647 | 41645 | 41676 |
| | | S/T | 0.80 | 0.91 | 1.00 | 1.00 | 1.00 | 0.65 | 0.75 | 0.84 | 0.86 | 0.96 | 0.54 | 0.65 | 0.73 | 0.75 | 0.85 | 0.39 | 0.47 | 0.55 | 0.56 | 0.66 |
| | | PI | 4.51 | 4.52 | 4.56 | 4.58 | 4.66 | 4.65 | 4.65 | 4.65 | 4.65 | 4.67 | 4.76 | 4.76 | 4.76 | 4.76 | 4.76 | 4.96 | 4.96 | 4.96 | 4.96 | 4.96 |
| | 104°F 40°C | TC | 32346 | 32461 | 33397 | 33593 | 34926 | 34416 | 34427 | 34436 | 34438 | 34891 | 35903 | 35909 | 35928 | 35931 | 35942 | 38756 | 38742 | 38750 | 38743 | 38780 |
| | | S/T | 0.82 | 0.94 | 1.00 | 1.00 | 1.00 | 0.66 | 0.77 | 0.86 | 0.88 | 1.00 | 0.55 | 0.66 | 0.75 | 0.77 | 0.87 | 0.39 | 0.47 | 0.56 | 0.58 | 0.67 |
| | | PI | 4.45 | 4.45 | 4.51 | 4.53 | 4.61 | 4.58 | 4.58 | 4.58 | 4.58 | 4.61 | 4.68 | 4.68 | 4.68 | 4.68 | 4.68 | 4.87 | 4.87 | 4.87 | 4.87 | 4.87 |
| | 110°F 43°C | TC | 30693 | 31523 | 32719 | 32931 | 34345 | 32788 | 32800 | 32942 | 33006 | 34383 | 34286 | 34306 | 34317 | 34318 | 34518 | 37164 | 37148 | 37185 | 37192 | 37220 |
| | | S/T | 0.89 | 1.00 | 1.00 | 1.00 | 1.00 | 0.70 | 0.83 | 0.94 | 0.96 | 1.00 | 0.58 | 0.70 | 0.81 | 0.83 | 0.96 | 0.39 | 0.49 | 0.59 | 0.61 | 0.73 |
| | | PI | 4.45 | 4.49 | 4.55 | 4.56 | 4.63 | 4.56 | 4.56 | 4.56 | 4.57 | 4.64 | 4.64 | 4.63 | 4.63 | 4.63 | 4.64 | 4.79 | 4.79 | 4.78 | 4.78 | 4.78 |
| | 115°F 46°C | TC | 26098 | 27081 | 28145 | 28334 | 29597 | 27876 | 27882 | 28126 | 28370 | 29631 | 29206 | 29232 | 29240 | 29241 | 29658 | 31696 | 31681 | 31730 | 31735 | 31752 |
| | | S/T | 0.92 | 1.00 | 1.00 | 1.00 | 1.00 | 0.72 | 0.86 | 0.98 | 1.00 | 1.00 | 0.59 | 0.73 | 0.84 | 0.86 | 1.00 | 0.40 | 0.50 | 0.61 | 0.63 | 0.75 |
| | | PI | 3.85 | 3.90 | 3.94 | 3.95 | 4.01 | 3.93 | 3.93 | 3.94 | 3.95 | 4.01 | 4.00 | 4.00 | 4.00 | 4.00 | 4.01 | 4.11 | 4.11 | 4.10 | 4.10 | 4.10 |
| | 122°F 50°C | TC | 20288 | 21400 | 22352 | 22521 | 23653 | 21228 | 21394 | 22377 | 22547 | 23677 | 22355 | 22354 | 22471 | 22538 | 23698 | 24466 | 24514 | 24527 | 24526 | 24513 |
| | | S/T | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.80 | 0.98 | 1.00 | 1.00 | 1.00 | 0.64 | 0.81 | 0.95 | 0.98 | 1.00 | 0.41 | 0.54 | 0.67 | 0.69 | 0.84 |
| | | PI | 3.11 | 3.14 | 3.16 | 3.16 | 3.19 | 3.13 | 3.14 | 3.16 | 3.16 | 3.19 | 3.16 | 3.16 | 3.16 | 3.16 | 3.19 | 3.23 | 3.22 | 3.22 | 3.22 | 3.21 |

## Table 29 – 54K Cooling — 37MURA + 45MULA (60C) (Continued)

| Airflow CFM | Out-door DB °F | ID WB °F | 60.8°F (16.0°C) | | | | | 64.4°F (16.0°C) | | | | | 67.0°F (19.4°C) | | | | | 71.6°F (22.0°C) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ID DB °F | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C |
| 1047 | -13°F 25°C | TC | 48604 | 48582 | 49275 | 49479 | 50841 | 50711 | 50669 | 50637 | 50633 | 50591 | 52227 | 52162 | 52112 | 52105 | 52055 | 55090 | 55075 | 54962 | 54941 | 54825 |
| | | S/T | 0.80 | 0.91 | 1.00 | 1.00 | 1.00 | 0.65 | 0.75 | 0.85 | 0.86 | 0.97 | 0.55 | 0.65 | 0.74 | 0.76 | 0.86 | 0.39 | 0.47 | 0.56 | 0.57 | 0.67 |
| | | PI | 2.68 | 2.68 | 2.68 | 2.67 | 2.67 | 2.67 | 2.67 | 2.67 | 2.67 | 2.67 | 2.66 | 2.66 | 2.66 | 2.66 | 2.67 | 2.68 | 2.68 | 2.68 | 2.68 | 2.68 |
| | -4°F 20°C | TC | 52343 | 52319 | 53065 | 53285 | 54752 | 54612 | 54567 | 54533 | 54528 | 54482 | 56245 | 56174 | 56121 | 56113 | 56059 | 59328 | 59311 | 59190 | 59168 | 59042 |
| | | S/T | 0.80 | 0.92 | 1.00 | 1.00 | 1.00 | 0.65 | 0.76 | 0.85 | 0.87 | 0.98 | 0.55 | 0.65 | 0.74 | 0.76 | 0.86 | 0.39 | 0.48 | 0.56 | 0.57 | 0.67 |
| | | PI | 2.78 | 2.78 | 2.77 | 2.77 | 2.76 | 2.76 | 2.76 | 2.76 | 2.76 | 2.76 | 2.76 | 2.76 | 2.76 | 2.76 | 2.76 | 2.77 | 2.77 | 2.78 | 2.78 | 2.78 |
| | 0°F 17.8°C | TC | 54080 | 54048 | 55051 | 55281 | 56799 | 56400 | 56337 | 56293 | 56287 | 56853 | 58057 | 57975 | 57903 | 57894 | 57866 | 61179 | 61165 | 61160 | 61168 | 61208 |
| | | S/T | 0.81 | 0.93 | 1.00 | 1.00 | 1.00 | 0.66 | 0.77 | 0.86 | 0.88 | 1.00 | 0.55 | 0.66 | 0.75 | 0.77 | 0.87 | 0.39 | 0.48 | 0.57 | 0.58 | 0.68 |
| | | PI | 2.80 | 2.80 | 2.80 | 2.80 | 2.80 | 2.80 | 2.80 | 2.80 | 2.80 | 2.80 | 2.80 | 2.80 | 2.80 | 2.80 | 2.80 | 2.83 | 2.83 | 2.83 | 2.83 | 2.83 |
| | 5°F 15°C | TC | 55630 | 55822 | 57098 | 57361 | 59129 | 58240 | 58254 | 58258 | 58318 | 59187 | 60102 | 60117 | 60130 | 60131 | 60211 | 63627 | 63608 | 63641 | 63648 | 63676 |
| | | S/T | 0.82 | 0.94 | 1.00 | 1.00 | 1.00 | 0.66 | 0.78 | 0.87 | 0.88 | 1.00 | 0.56 | 0.67 | 0.76 | 0.78 | 0.88 | 0.39 | 0.48 | 0.57 | 0.59 | 0.69 |
| | | PI | 2.82 | 2.82 | 2.83 | 2.83 | 2.84 | 2.83 | 2.83 | 2.84 | 2.84 | 2.84 | 2.85 | 2.85 | 2.86 | 2.85 | 2.86 | 2.92 | 2.92 | 2.92 | 2.92 | 2.92 |
| | 14°F 10°C | TC | 55639 | 55611 | 56746 | 57012 | 58780 | 58402 | 58350 | 58310 | 58304 | 58850 | 60402 | 60327 | 60265 | 60256 | 60195 | 64227 | 64207 | 64084 | 64062 | 63925 |
| | | S/T | 0.81 | 0.93 | 1.00 | 1.00 | 1.00 | 0.65 | 0.76 | 0.86 | 0.87 | 1.00 | 0.55 | 0.66 | 0.75 | 0.76 | 0.87 | 0.39 | 0.48 | 0.56 | 0.57 | 0.67 |
| | | PI | 3.57 | 3.57 | 3.56 | 3.56 | 3.56 | 3.55 | 3.56 | 3.56 | 3.56 | 3.56 | 3.55 | 3.55 | 3.55 | 3.55 | 3.55 | 3.57 | 3.57 | 3.57 | 3.57 | 3.57 |
| | 17°F 10°C | TC | 55512 | 55693 | 56980 | 57258 | 59118 | 58275 | 58299 | 58310 | 58359 | 59181 | 60264 | 60287 | 60311 | 60313 | 60388 | 64092 | 64074 | 64065 | 64077 | 64130 |
| | | S/T | 0.82 | 0.93 | 1.00 | 1.00 | 1.00 | 0.66 | 0.77 | 0.87 | 0.88 | 1.00 | 0.55 | 0.66 | 0.76 | 0.77 | 0.87 | 0.39 | 0.48 | 0.57 | 0.58 | 0.68 |
| | | PI | 3.78 | 3.78 | 3.78 | 3.78 | 3.78 | 3.78 | 3.78 | 3.78 | 3.78 | 3.78 | 3.78 | 3.79 | 3.79 | 3.79 | 3.79 | 3.82 | 3.82 | 3.82 | 3.82 | 3.82 |
| | 23°F 5°C | TC | 54723 | 54959 | 56380 | 56659 | 58526 | 57494 | 57512 | 57518 | 57593 | 58589 | 59477 | 59498 | 59513 | 59515 | 59611 | 63243 | 63223 | 63268 | 63276 | 63313 |
| | | S/T | 0.83 | 0.95 | 1.00 | 1.00 | 1.00 | 0.66 | 0.78 | 0.88 | 0.89 | 1.00 | 0.56 | 0.67 | 0.76 | 0.78 | 0.89 | 0.39 | 0.48 | 0.57 | 0.59 | 0.69 |
| | | PI | 4.16 | 4.16 | 4.18 | 4.18 | 4.20 | 4.19 | 4.19 | 4.19 | 4.19 | 4.20 | 4.22 | 4.22 | 4.22 | 4.22 | 4.22 | 4.30 | 4.30 | 4.30 | 4.30 | 4.30 |
| | 35°F 1.7°C | TC | 53654 | 53655 | 53971 | 54121 | 55867 | 56162 | 56159 | 56164 | 56164 | 56314 | 57920 | 57916 | 57919 | 57920 | 57926 | 61181 | 61166 | 61163 | 61161 | 61166 |
| | | S/T | 0.78 | 0.88 | 0.97 | 0.99 | 1.00 | 0.63 | 0.73 | 0.82 | 0.83 | 0.93 | 0.54 | 0.63 | 0.72 | 0.73 | 0.83 | 0.39 | 0.46 | 0.54 | 0.56 | 0.65 |
| | | PI | 4.60 | 4.60 | 4.63 | 4.64 | 4.84 | 4.87 | 4.87 | 4.87 | 4.87 | 4.89 | 5.08 | 5.08 | 5.08 | 5.08 | 5.08 | 5.53 | 5.53 | 5.53 | 5.52 | 5.53 |
| | 41°F 5°C | TC | 51842 | 51843 | 52255 | 52618 | 54174 | 54253 | 54252 | 54254 | 54255 | 54445 | 55945 | 55942 | 55945 | 55946 | 55949 | 59084 | 59070 | 59066 | 59063 | 59070 |
| | | S/T | 0.78 | 0.89 | 0.98 | 1.00 | 1.00 | 0.64 | 0.74 | 0.83 | 0.84 | 0.94 | 0.54 | 0.64 | 0.72 | 0.74 | 0.84 | 0.39 | 0.47 | 0.55 | 0.56 | 0.66 |
| | | PI | 3.65 | 3.65 | 3.69 | 3.72 | 3.87 | 3.88 | 3.88 | 3.88 | 3.88 | 3.90 | 4.06 | 4.06 | 4.06 | 4.06 | 4.06 | 4.42 | 4.42 | 4.42 | 4.42 | 4.42 |
| | 47°F 8.3°C | TC | 50027 | 50060 | 50731 | 50958 | 52466 | 52346 | 52345 | 52346 | 52345 | 52588 | 53972 | 53967 | 53971 | 53970 | 53970 | 56994 | 56979 | 56975 | 56972 | 56978 |
| | | S/T | 0.79 | 0.90 | 1.00 | 1.00 | 1.00 | 0.64 | 0.75 | 0.84 | 0.85 | 0.96 | 0.54 | 0.65 | 0.73 | 0.75 | 0.85 | 0.39 | 0.47 | 0.55 | 0.57 | 0.67 |
| | | PI | 2.72 | 2.72 | 2.77 | 2.79 | 2.91 | 2.90 | 2.90 | 2.90 | 2.90 | 2.92 | 3.03 | 3.03 | 3.03 | 3.03 | 3.03 | 3.31 | 3.31 | 3.31 | 3.31 | 3.31 |
| | 50°F 10°C | TC | 48694 | 50034 | 51723 | 52022 | 54039 | 51443 | 51471 | 51827 | 51990 | 54091 | 53450 | 53519 | 53547 | 53551 | 54065 | 57134 | 57285 | 57432 | 57449 | 57521 |
| | | S/T | 0.90 | 1.00 | 1.00 | 1.00 | 1.00 | 0.71 | 0.85 | 0.96 | 0.99 | 1.00 | 0.59 | 0.72 | 0.83 | 0.85 | 0.99 | 0.40 | 0.50 | 0.60 | 0.62 | 0.74 |
| | | PI | 3.11 | 3.11 | 3.11 | 3.11 | 3.10 | 3.11 | 3.11 | 3.11 | 3.11 | 3.10 | 3.10 | 3.10 | 3.10 | 3.10 | 3.10 | 3.10 | 3.10 | 3.10 | 3.10 | 3.10 |
| | 59°F 15°C | TC | 47386 | 49049 | 50790 | 51099 | 53178 | 50137 | 50205 | 50775 | 51153 | 53231 | 52205 | 52258 | 52276 | 52352 | 53274 | 56058 | 56170 | 56282 | 56295 | 56342 |
| | | S/T | 0.92 | 1.00 | 1.00 | 1.00 | 1.00 | 0.73 | 0.86 | 1.00 | 1.00 | 1.00 | 0.60 | 0.73 | 0.85 | 0.86 | 1.00 | 0.40 | 0.51 | 0.61 | 0.63 | 0.76 |
| | | PI | 3.29 | 3.30 | 3.31 | 3.31 | 3.32 | 3.30 | 3.30 | 3.31 | 3.31 | 3.32 | 3.31 | 3.31 | 3.31 | 3.31 | 3.32 | 3.34 | 3.33 | 3.33 | 3.33 | 3.33 |
| | 68°F 20°C | TC | 46065 | 48031 | 49812 | 50129 | 52256 | 48767 | 48877 | 49866 | 50183 | 52308 | 50875 | 50914 | 51005 | 51050 | 52351 | 54818 | 54920 | 55006 | 55015 | 55044 |
| | | S/T | 0.95 | 1.00 | 1.00 | 1.00 | 1.00 | 0.74 | 0.89 | 1.00 | 1.00 | 1.00 | 0.61 | 0.75 | 0.87 | 0.89 | 1.00 | 0.40 | 0.51 | 0.63 | 0.65 | 0.78 |
| | | PI | 3.47 | 3.49 | 3.51 | 3.51 | 3.53 | 3.50 | 3.50 | 3.51 | 3.51 | 3.53 | 3.52 | 3.52 | 3.52 | 3.52 | 3.53 | 3.57 | 3.57 | 3.57 | 3.57 | 3.56 |
| | 77°F 25°C | TC | 44716 | 46869 | 48703 | 49028 | 51218 | 47405 | 47555 | 48757 | 49082 | 51270 | 49552 | 49607 | 49734 | 49790 | 51313 | 53518 | 53680 | 53804 | 53818 | 53868 |
| | | S/T | 0.97 | 1.00 | 1.00 | 1.00 | 1.00 | 0.75 | 0.90 | 1.00 | 1.00 | 1.00 | 0.61 | 0.76 | 0.88 | 0.90 | 1.00 | 0.40 | 0.52 | 0.63 | 0.65 | 0.79 |
| | | PI | 3.68 | 3.70 | 3.72 | 3.72 | 3.74 | 3.71 | 3.71 | 3.72 | 3.72 | 3.74 | 3.73 | 3.73 | 3.73 | 3.73 | 3.74 | 3.78 | 3.77 | 3.77 | 3.77 | 3.77 |
| | 82°F 27.8°C | TC | 44344 | 46608 | 48488 | 48817 | 51052 | 46991 | 47173 | 48530 | 48871 | 51106 | 49177 | 49239 | 49392 | 49453 | 51151 | 53171 | 53371 | 53510 | 53524 | 53582 |
| | | S/T | 0.99 | 1.00 | 1.00 | 1.00 | 1.00 | 0.76 | 0.91 | 1.00 | 1.00 | 1.00 | 0.62 | 0.77 | 0.89 | 0.92 | 1.00 | 0.40 | 0.52 | 0.64 | 0.66 | 0.80 |
| | | PI | 4.05 | 4.07 | 4.09 | 4.09 | 4.11 | 4.08 | 4.08 | 4.09 | 4.09 | 4.11 | 4.10 | 4.10 | 4.10 | 4.10 | 4.11 | 4.15 | 4.14 | 4.14 | 4.14 | 4.14 |
| | 86°F 30°C | TC | 44671 | 46901 | 48819 | 49159 | 51449 | 47109 | 47326 | 48873 | 49215 | 51502 | 49341 | 49398 | 49579 | 49651 | 51546 | 53418 | 53624 | 53751 | 53764 | 53814 |
| | | S/T | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.77 | 0.93 | 1.00 | 1.00 | 1.00 | 0.62 | 0.78 | 0.91 | 0.93 | 1.00 | 0.40 | 0.52 | 0.64 | 0.66 | 0.81 |
| | | PI | 4.66 | 4.68 | 4.71 | 4.71 | 4.73 | 4.69 | 4.69 | 4.71 | 4.71 | 4.73 | 4.72 | 4.71 | 4.72 | 4.72 | 4.74 | 4.78 | 4.77 | 4.77 | 4.77 | 4.76 |
| | 95°F 35°C | TC | 45073 | 45316 | 46780 | 47058 | 48918 | 47903 | 47930 | 47946 | 48002 | 48979 | 49958 | 49969 | 49999 | 50004 | 50087 | 53832 | 53812 | 53823 | 53838 | 53910 |
| | | S/T | 0.83 | 0.95 | 1.00 | 1.00 | 1.00 | 0.66 | 0.78 | 0.88 | 0.89 | 1.00 | 0.56 | 0.67 | 0.76 | 0.78 | 0.88 | 0.39 | 0.48 | 0.57 | 0.58 | 0.68 |
| | | PI | 5.78 | 5.80 | 5.89 | 5.91 | 6.03 | 5.97 | 5.97 | 5.97 | 5.97 | 6.03 | 6.10 | 6.10 | 6.10 | 6.10 | 6.11 | 6.35 | 6.35 | 6.35 | 6.35 | 6.35 |
| | 104°F 40°C | TC | 41936 | 42320 | 43913 | 44178 | 45939 | 44578 | 44603 | 44682 | 44730 | 45996 | 46481 | 46499 | 46523 | 46526 | 46658 | 50099 | 50079 | 50103 | 50120 | 50173 |
| | | S/T | 0.85 | 0.98 | 1.00 | 1.00 | 1.00 | 0.68 | 0.80 | 0.90 | 0.92 | 1.00 | 0.56 | 0.68 | 0.78 | 0.80 | 0.91 | 0.39 | 0.48 | 0.58 | 0.59 | 0.70 |
| | | PI | 5.70 | 5.72 | 5.83 | 5.84 | 5.96 | 5.88 | 5.87 | 5.88 | 5.88 | 5.96 | 6.00 | 6.00 | 6.00 | 6.00 | 6.01 | 6.25 | 6.25 | 6.25 | 6.25 | 6.25 |
| | 110°F 43°C | TC | 39901 | 41434 | 43014 | 43293 | 45168 | 42480 | 42493 | 42967 | 43343 | 45216 | 44392 | 44427 | 44438 | 44472 | 45255 | 48049 | 48052 | 48127 | 48134 | 48162 |
| | | S/T | 0.92 | 1.00 | 1.00 | 1.00 | 1.00 | 0.72 | 0.87 | 0.99 | 1.00 | 1.00 | 0.60 | 0.73 | 0.85 | 0.86 | 1.00 | 0.40 | 0.51 | 0.61 | 0.63 | 0.76 |
| | | PI | 5.71 | 5.79 | 5.87 | 5.88 | 5.98 | 5.85 | 5.84 | 5.87 | 5.89 | 5.98 | 5.95 | 5.94 | 5.94 | 5.94 | 5.98 | 6.14 | 6.14 | 6.14 | 6.13 | 6.13 |
| | 115°F 46°C | TC | 33952 | 35587 | 36994 | 37269 | 38910 | 36106 | 36178 | 37036 | 37316 | 38950 | 37789 | 37812 | 37863 | 37900 | 38984 | 40974 | 41005 | 41062 | 41067 | 41080 |
| | | S/T | 0.96 | 1.00 | 1.00 | 1.00 | 1.00 | 0.75 | 0.89 | 1.00 | 1.00 | 1.00 | 0.61 | 0.75 | 0.87 | 0.90 | 1.00 | 0.40 | 0.52 | 0.63 | 0.65 | 0.78 |
| | | PI | 4.96 | 5.03 | 5.09 | 5.12 | 5.18 | 5.06 | 5.06 | 5.10 | 5.12 | 5.18 | 5.14 | 5.13 | 5.13 | 5.13 | 5.18 | 5.29 | 5.28 | 5.28 | 5.28 | 5.27 |
| | 122°F 50°C | TC | 26346 | 27799 | 29044 | 29261 | 30739 | 27186 | 27829 | 29077 | 29294 | 30768 | 28630 | 28622 | 29098 | 29317 | 30787 | 31262 | 31383 | 31390 | 31388 | 31429 |
| | | S/T | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.84 | 1.00 | 1.00 | 1.00 | 1.00 | 0.67 | 0.85 | 1.00 | 1.00 | 1.00 | 0.41 | 0.55 | 0.69 | 0.72 | 0.88 |
| | | PI | 3.99 | 4.02 | 4.05 | 4.06 | 4.09 | 4.01 | 4.02 | 4.05 | 4.06 | 4.10 | 4.05 | 4.05 | 4.05 | 4.06 | 4.09 | 4.14 | 4.12 | 4.12 | 4.12 | 4.11 |

## Table 30 – 54K Cooling — 37MURA + 45MULA (60D)

| Airflow CFM | Out-door DB °F | ID WB °F | 60.8°F (16.0°C) | | | | | 64.4°F (16.0°C) | | | | | 67.0°F (19.4°C) | | | | | 71.6°F (22.0°C) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ID DB °F | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C |
| 785 | -13°F 25°C | TC | 31213 | 31202 | 31194 | 31375 | 32298 | 32587 | 32570 | 32555 | 32553 | 32530 | 33560 | 33543 | 33520 | 33517 | 33493 | 35402 | 35392 | 35366 | 35357 | 35305 |
| | | S/T | 0.77 | 0.88 | 0.97 | 1.00 | 1.00 | 0.63 | 0.73 | 0.81 | 0.83 | 0.93 | 0.54 | 0.63 | 0.71 | 0.73 | 0.83 | 0.39 | 0.46 | 0.54 | 0.56 | 0.65 |
| | | PI | 1.55 | 1.55 | 1.55 | 1.55 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.53 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 |
| | -4°F 20°C | TC | 33614 | 33602 | 33593 | 33788 | 34783 | 35094 | 35075 | 35059 | 35057 | 35032 | 36142 | 36123 | 36099 | 36095 | 36070 | 38125 | 38115 | 38087 | 38077 | 38020 |
| | | S/T | 0.78 | 0.88 | 0.97 | 1.00 | 1.00 | 0.63 | 0.73 | 0.82 | 0.83 | 0.93 | 0.54 | 0.64 | 0.72 | 0.73 | 0.83 | 0.39 | 0.47 | 0.55 | 0.56 | 0.65 |
| | | PI | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.59 | 1.59 | 1.59 | 1.59 | 1.59 | 1.59 | 1.59 | 1.59 | 1.59 | 1.59 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 |
| | 0°F 17.8°C | TC | 34724 | 34709 | 34843 | 35108 | 36081 | 36238 | 36210 | 36189 | 36186 | 36180 | 37300 | 37279 | 37245 | 37240 | 37207 | 39311 | 39299 | 39301 | 39305 | 39334 |
| | | S/T | 0.78 | 0.89 | 0.99 | 1.00 | 1.00 | 0.64 | 0.74 | 0.83 | 0.84 | 0.95 | 0.54 | 0.64 | 0.73 | 0.74 | 0.84 | 0.39 | 0.47 | 0.55 | 0.57 | 0.66 |
| | | PI | 1.62 | 1.62 | 1.62 | 1.62 | 1.61 | 1.61 | 1.61 | 1.61 | 1.61 | 1.61 | 1.61 | 1.61 | 1.61 | 1.61 | 1.62 | 1.63 | 1.63 | 1.63 | 1.63 | 1.63 |
| | 5°F 15°C | TC | 35745 | 35777 | 36260 | 36426 | 37539 | 37445 | 37452 | 37457 | 37457 | 37642 | 38670 | 38667 | 38677 | 38678 | 38683 | 40981 | 40969 | 40969 | 40972 | 40995 |
| | | S/T | 0.79 | 0.90 | 1.00 | 1.00 | 1.00 | 0.64 | 0.75 | 0.84 | 0.85 | 0.96 | 0.54 | 0.65 | 0.73 | 0.75 | 0.85 | 0.39 | 0.47 | 0.55 | 0.57 | 0.66 |
| | | PI | 1.63 | 1.63 | 1.63 | 1.63 | 1.64 | 1.64 | 1.64 | 1.64 | 1.64 | 1.64 | 1.64 | 1.64 | 1.65 | 1.65 | 1.65 | 1.68 | 1.68 | 1.68 | 1.68 | 1.68 |
| | 14°F 10°C | TC | 35540 | 35527 | 35674 | 35986 | 37103 | 37324 | 37303 | 37284 | 37282 | 37262 | 38614 | 38595 | 38566 | 38561 | 38528 | 41042 | 41029 | 40999 | 40990 | 40927 |
| | | S/T | 0.78 | 0.89 | 0.99 | 1.00 | 1.00 | 0.64 | 0.74 | 0.82 | 0.84 | 0.94 | 0.54 | 0.64 | 0.72 | 0.74 | 0.83 | 0.39 | 0.47 | 0.55 | 0.56 | 0.65 |
| | | PI | 1.63 | 1.63 | 1.63 | 1.63 | 1.63 | 1.62 | 1.63 | 1.63 | 1.63 | 1.63 | 1.62 | 1.62 | 1.62 | 1.62 | 1.62 | 1.63 | 1.63 | 1.63 | 1.63 | 1.63 |
| | 17°F 10°C | TC | 35516 | 35525 | 35960 | 36168 | 37332 | 37299 | 37302 | 37310 | 37311 | 37488 | 38489 | 38504 | 38528 | 38530 | 38540 | 41049 | 41036 | 41040 | 41048 | 41086 |
| | | S/T | 0.79 | 0.89 | 1.00 | 1.00 | 1.00 | 0.64 | 0.74 | 0.83 | 0.85 | 0.95 | 0.55 | 0.65 | 0.73 | 0.75 | 0.85 | 0.39 | 0.47 | 0.55 | 0.57 | 0.66 |
| | | PI | 1.62 | 1.62 | 1.62 | 1.61 | 1.61 | 1.61 | 1.61 | 1.61 | 1.61 | 1.61 | 1.61 | 1.61 | 1.61 | 1.61 | 1.61 | 1.63 | 1.63 | 1.63 | 1.63 | 1.63 |
| | 23°F 5°C | TC | 34698 | 34747 | 35312 | 35485 | 36645 | 36479 | 36489 | 36494 | 36494 | 36710 | 37766 | 37764 | 37776 | 37778 | 37784 | 40200 | 40188 | 40190 | 40195 | 40223 |
| | | S/T | 0.80 | 0.91 | 1.00 | 1.00 | 1.00 | 0.65 | 0.75 | 0.84 | 0.86 | 0.97 | 0.54 | 0.65 | 0.74 | 0.75 | 0.85 | 0.39 | 0.47 | 0.56 | 0.57 | 0.66 |
| | | PI | 1.75 | 1.75 | 1.75 | 1.75 | 1.76 | 1.76 | 1.76 | 1.76 | 1.76 | 1.76 | 1.77 | 1.77 | 1.77 | 1.77 | 1.77 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 |
| | 35°F 1.7°C | TC | 33539 | 33540 | 33605 | 33643 | 34507 | 35148 | 35144 | 35145 | 35146 | 35147 | 36278 | 36275 | 36272 | 36272 | 36276 | 38379 | 38370 | 38362 | 38367 | 38361 |
| | | S/T | 0.75 | 0.85 | 0.93 | 0.94 | 1.00 | 0.62 | 0.71 | 0.79 | 0.80 | 0.89 | 0.53 | 0.62 | 0.69 | 0.71 | 0.80 | 0.39 | 0.46 | 0.53 | 0.54 | 0.63 |
| | | PI | 1.89 | 1.89 | 1.89 | 1.89 | 1.95 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.08 | 2.08 | 2.08 | 2.08 | 2.08 | 2.27 | 2.27 | 2.26 | 2.27 | 2.26 |
| | 41°F 5°C | TC | 33483 | 33484 | 33576 | 33622 | 34576 | 35082 | 35077 | 35079 | 35079 | 35110 | 36204 | 36200 | 36197 | 36198 | 36202 | 38288 | 38279 | 38271 | 38275 | 38270 |
| | | S/T | 0.76 | 0.86 | 0.94 | 0.96 | 1.00 | 0.62 | 0.72 | 0.80 | 0.81 | 0.90 | 0.53 | 0.62 | 0.70 | 0.71 | 0.81 | 0.39 | 0.46 | 0.53 | 0.55 | 0.64 |
| | | PI | 1.77 | 1.77 | 1.78 | 1.78 | 1.84 | 1.88 | 1.88 | 1.88 | 1.88 | 1.88 | 1.97 | 1.96 | 1.96 | 1.96 | 1.97 | 2.14 | 2.14 | 2.14 | 2.14 | 2.14 |
| | 47°F 8.3°C | TC | 33424 | 33424 | 33552 | 33611 | 34645 | 35014 | 35009 | 35010 | 35010 | 35063 | 36129 | 36125 | 36122 | 36123 | 36125 | 38202 | 38193 | 38190 | 38189 | 38183 |
| | | S/T | 0.77 | 0.87 | 0.95 | 0.97 | 1.00 | 0.63 | 0.72 | 0.81 | 0.82 | 0.91 | 0.53 | 0.63 | 0.71 | 0.72 | 0.82 | 0.39 | 0.46 | 0.54 | 0.55 | 0.64 |
| | | PI | 1.65 | 1.65 | 1.66 | 1.67 | 1.74 | 1.76 | 1.76 | 1.76 | 1.76 | 1.77 | 1.85 | 1.85 | 1.85 | 1.85 | 1.85 | 2.01 | 2.01 | 2.01 | 2.01 | 2.01 |
| | 50°F 10°C | TC | 32879 | 33416 | 34533 | 34730 | 36061 | 34811 | 34831 | 34944 | 34989 | 36103 | 36182 | 36228 | 36249 | 36252 | 36415 | 38788 | 38807 | 38901 | 38912 | 38964 |
| | | S/T | 0.87 | 1.00 | 1.00 | 1.00 | 1.00 | 0.69 | 0.81 | 0.92 | 0.94 | 1.00 | 0.57 | 0.69 | 0.80 | 0.81 | 0.93 | 0.39 | 0.49 | 0.58 | 0.60 | 0.71 |
| | | PI | 1.95 | 1.95 | 1.95 | 1.95 | 1.95 | 1.95 | 1.95 | 1.95 | 1.95 | 1.95 | 1.95 | 1.95 | 1.95 | 1.95 | 1.95 | 1.95 | 1.95 | 1.95 | 1.95 | 1.95 |
| | 59°F 15°C | TC | 33098 | 33895 | 35088 | 35299 | 36719 | 35118 | 35133 | 35308 | 35376 | 36762 | 36576 | 36615 | 36630 | 36632 | 36874 | 39369 | 39380 | 39457 | 39466 | 39504 |
| | | S/T | 0.88 | 1.00 | 1.00 | 1.00 | 1.00 | 0.70 | 0.83 | 0.94 | 0.97 | 1.00 | 0.58 | 0.71 | 0.81 | 0.83 | 0.96 | 0.39 | 0.50 | 0.59 | 0.61 | 0.73 |
| | | PI | 2.26 | 2.26 | 2.27 | 2.27 | 2.27 | 2.27 | 2.27 | 2.27 | 2.27 | 2.27 | 2.27 | 2.27 | 2.27 | 2.27 | 2.27 | 2.29 | 2.29 | 2.29 | 2.29 | 2.29 |
| | 68°F 20°C | TC | 33344 | 34420 | 35686 | 35911 | 37421 | 35428 | 35439 | 35716 | 35950 | 37463 | 36970 | 37000 | 37011 | 37012 | 37433 | 39920 | 39933 | 39997 | 40004 | 40033 |
| | | S/T | 0.91 | 1.00 | 1.00 | 1.00 | 1.00 | 0.72 | 0.85 | 0.97 | 1.00 | 1.00 | 0.59 | 0.72 | 0.84 | 0.86 | 0.99 | 0.40 | 0.50 | 0.61 | 0.62 | 0.75 |
| | | PI | 2.56 | 2.57 | 2.58 | 2.58 | 2.60 | 2.58 | 2.58 | 2.58 | 2.58 | 2.60 | 2.60 | 2.60 | 2.60 | 2.60 | 2.60 | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 |
| | 77°F 25°C | TC | 33522 | 34806 | 36156 | 36396 | 38004 | 35701 | 35718 | 36129 | 36439 | 38049 | 37331 | 37374 | 37391 | 37435 | 38083 | 40432 | 40468 | 40559 | 40569 | 40613 |
| | | S/T | 0.92 | 1.00 | 1.00 | 1.00 | 1.00 | 0.72 | 0.87 | 0.99 | 1.00 | 1.00 | 0.59 | 0.73 | 0.85 | 0.86 | 1.00 | 0.40 | 0.51 | 0.61 | 0.63 | 0.76 |
| | | PI | 2.88 | 2.89 | 2.91 | 2.91 | 2.92 | 2.90 | 2.90 | 2.90 | 2.91 | 2.92 | 2.92 | 2.92 | 2.92 | 2.92 | 2.92 | 2.95 | 2.95 | 2.95 | 2.95 | 2.95 |
| | 82°F 27.8°C | TC | 33711 | 35141 | 36541 | 36790 | 38463 | 35937 | 35995 | 36586 | 36835 | 38507 | 37618 | 37668 | 37687 | 37746 | 38542 | 40803 | 40855 | 40957 | 40969 | 41018 |
| | | S/T | 0.94 | 1.00 | 1.00 | 1.00 | 1.00 | 0.73 | 0.87 | 1.00 | 1.00 | 1.00 | 0.60 | 0.74 | 0.86 | 0.87 | 1.00 | 0.40 | 0.51 | 0.62 | 0.63 | 0.76 |
| | | PI | 3.20 | 3.22 | 3.23 | 3.23 | 3.25 | 3.23 | 3.23 | 3.23 | 3.23 | 3.25 | 3.24 | 3.24 | 3.24 | 3.24 | 3.25 | 3.28 | 3.28 | 3.27 | 3.27 | 3.27 |
| | 86°F 30°C | TC | 33955 | 35528 | 36969 | 37224 | 38959 | 36198 | 36273 | 37014 | 37269 | 38990 | 37924 | 37969 | 38029 | 38064 | 39026 | 41184 | 41244 | 41340 | 41351 | 41394 |
| | | S/T | 0.95 | 1.00 | 1.00 | 1.00 | 1.00 | 0.74 | 0.88 | 1.00 | 1.00 | 1.00 | 0.60 | 0.75 | 0.86 | 0.88 | 1.00 | 0.40 | 0.51 | 0.62 | 0.64 | 0.77 |
| | | PI | 3.64 | 3.66 | 3.67 | 3.68 | 3.70 | 3.67 | 3.67 | 3.67 | 3.68 | 3.70 | 3.69 | 3.69 | 3.69 | 3.69 | 3.70 | 3.73 | 3.73 | 3.73 | 3.73 | 3.73 |
| | 95°F 35°C | TC | 34936 | 34998 | 35749 | 35960 | 37370 | 37170 | 37179 | 37192 | 37194 | 37446 | 38775 | 38779 | 38799 | 38802 | 38819 | 41859 | 41844 | 41848 | 41846 | 41877 |
| | | S/T | 0.80 | 0.91 | 1.00 | 1.00 | 1.00 | 0.65 | 0.75 | 0.84 | 0.86 | 0.96 | 0.54 | 0.65 | 0.73 | 0.75 | 0.85 | 0.39 | 0.47 | 0.55 | 0.56 | 0.66 |
| | | PI | 4.45 | 4.45 | 4.50 | 4.51 | 4.60 | 4.59 | 4.59 | 4.59 | 4.59 | 4.60 | 4.69 | 4.69 | 4.69 | 4.69 | 4.69 | 4.89 | 4.89 | 4.89 | 4.89 | 4.89 |
| | 104°F 40°C | TC | 32060 | 32174 | 33101 | 33296 | 34617 | 34111 | 34123 | 34132 | 34133 | 34583 | 35585 | 35592 | 35610 | 35613 | 35624 | 38414 | 38399 | 38408 | 38400 | 38437 |
| | | S/T | 0.82 | 0.94 | 1.00 | 1.00 | 1.00 | 0.66 | 0.77 | 0.86 | 0.88 | 1.00 | 0.55 | 0.66 | 0.75 | 0.77 | 0.87 | 0.39 | 0.47 | 0.56 | 0.58 | 0.67 |
| | | PI | 4.40 | 4.40 | 4.46 | 4.48 | 4.56 | 4.53 | 4.53 | 4.53 | 4.53 | 4.56 | 4.63 | 4.63 | 4.63 | 4.63 | 4.63 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 |
| | 110°F 43°C | TC | 30138 | 30954 | 32128 | 32336 | 33725 | 32196 | 32207 | 32347 | 32410 | 33762 | 33667 | 33686 | 33698 | 33698 | 33895 | 36493 | 36477 | 36514 | 36520 | 36547 |
| | | S/T | 0.89 | 1.00 | 1.00 | 1.00 | 1.00 | 0.70 | 0.83 | 0.94 | 0.96 | 1.00 | 0.58 | 0.70 | 0.81 | 0.83 | 0.96 | 0.39 | 0.49 | 0.59 | 0.61 | 0.73 |
| | | PI | 4.41 | 4.45 | 4.51 | 4.52 | 4.59 | 4.52 | 4.52 | 4.52 | 4.53 | 4.60 | 4.59 | 4.59 | 4.59 | 4.59 | 4.60 | 4.74 | 4.74 | 4.74 | 4.74 | 4.74 |
| | 115°F 46°C | TC | 25847 | 26820 | 27874 | 28061 | 29312 | 27607 | 27614 | 27855 | 28097 | 29346 | 28924 | 28950 | 28958 | 28959 | 29372 | 31390 | 31376 | 31424 | 31429 | 31446 |
| | | S/T | 0.92 | 1.00 | 1.00 | 1.00 | 1.00 | 0.72 | 0.86 | 0.98 | 1.00 | 1.00 | 0.59 | 0.73 | 0.84 | 0.86 | 1.00 | 0.40 | 0.50 | 0.61 | 0.63 | 0.75 |
| | | PI | 3.84 | 3.88 | 3.93 | 3.94 | 3.99 | 3.92 | 3.92 | 3.93 | 3.94 | 3.99 | 3.99 | 3.99 | 3.99 | 3.99 | 3.99 | 4.09 | 4.09 | 4.09 | 4.09 | 4.09 |
| | 122°F 50°C | TC | 20441 | 21560 | 22520 | 22690 | 23830 | 21387 | 21555 | 22545 | 22716 | 23855 | 22523 | 22521 | 22639 | 22707 | 23875 | 24649 | 24698 | 24711 | 24710 | 24697 |
| | | S/T | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.80 | 0.98 | 1.00 | 1.00 | 1.00 | 0.64 | 0.81 | 0.95 | 0.98 | 1.00 | 0.41 | 0.54 | 0.67 | 0.69 | 0.84 |
| | | PI | 3.13 | 3.16 | 3.18 | 3.19 | 3.21 | 3.15 | 3.16 | 3.18 | 3.19 | 3.21 | 3.19 | 3.18 | 3.18 | 3.19 | 3.21 | 3.25 | 3.24 | 3.24 | 3.24 | 3.23 |

## Table 30 – 54K Cooling — 37MURA + 45MULA (60D) (Continued)

| Airflow CFM | Out-door DB °F | ID WB °F | 60.8°F (16.0°C) | | | | | 64.4°F (16.0°C) | | | | | 67.0°F (19.4°C) | | | | | 71.6°F (22.0°C) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ID DB °F | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C | 73.4°F 23.0°C | 77.0°F 25.0°C | 80.0°F 26.7°C | 80.6°F 27.0°C | 84.2°F 29.0°C |
| 1047 | -13°F 25°C | TC | 40484 | 40465 | 41043 | 41213 | 42347 | 42239 | 42204 | 42177 | 42174 | 42139 | 43502 | 43447 | 43406 | 43400 | 43358 | 45886 | 45874 | 45779 | 45762 | 45665 |
| | | S/T | 0.80 | 0.91 | 1.00 | 1.00 | 1.00 | 0.65 | 0.75 | 0.85 | 0.86 | 0.97 | 0.55 | 0.65 | 0.74 | 0.76 | 0.86 | 0.39 | 0.47 | 0.56 | 0.57 | 0.67 |
| | | PI | 1.98 | 1.98 | 1.98 | 1.98 | 1.97 | 1.97 | 1.97 | 1.97 | 1.97 | 1.97 | 1.97 | 1.97 | 1.97 | 1.97 | 1.97 | 1.98 | 1.98 | 1.98 | 1.98 | 1.98 |
| | -4°F 20°C | TC | 43598 | 43578 | 44200 | 44383 | 45604 | 45488 | 45451 | 45422 | 45418 | 45380 | 46848 | 46789 | 46745 | 46738 | 46694 | 49416 | 49402 | 49301 | 49282 | 49178 |
| | | S/T | 0.80 | 0.92 | 1.00 | 1.00 | 1.00 | 0.65 | 0.76 | 0.85 | 0.87 | 0.98 | 0.55 | 0.65 | 0.74 | 0.76 | 0.86 | 0.39 | 0.48 | 0.56 | 0.57 | 0.67 |
| | | PI | 2.05 | 2.05 | 2.05 | 2.05 | 2.04 | 2.04 | 2.04 | 2.04 | 2.04 | 2.04 | 2.04 | 2.04 | 2.04 | 2.04 | 2.04 | 2.05 | 2.05 | 2.05 | 2.05 | 2.05 |
| | 0°F 17.8°C | TC | 45045 | 45018 | 45854 | 46045 | 47309 | 46977 | 46925 | 46889 | 46883 | 47354 | 48358 | 48289 | 48229 | 48222 | 48199 | 50958 | 50946 | 50942 | 50949 | 50982 |
| | | S/T | 0.81 | 0.93 | 1.00 | 1.00 | 1.00 | 0.66 | 0.77 | 0.86 | 0.88 | 1.00 | 0.55 | 0.66 | 0.75 | 0.77 | 0.87 | 0.39 | 0.48 | 0.57 | 0.58 | 0.68 |
| | | PI | 2.07 | 2.07 | 2.07 | 2.07 | 2.07 | 2.07 | 2.07 | 2.07 | 2.07 | 2.07 | 2.07 | 2.07 | 2.07 | 2.07 | 2.07 | 2.09 | 2.09 | 2.09 | 2.09 | 2.09 |
| | 5°F 15°C | TC | 46336 | 46496 | 47559 | 47778 | 49250 | 48510 | 48522 | 48525 | 48575 | 49299 | 50061 | 50074 | 50084 | 50085 | 50152 | 52997 | 52981 | 53009 | 53014 | 53038 |
| | | S/T | 0.82 | 0.94 | 1.00 | 1.00 | 1.00 | 0.66 | 0.78 | 0.87 | 0.88 | 1.00 | 0.56 | 0.67 | 0.76 | 0.78 | 0.88 | 0.39 | 0.48 | 0.57 | 0.59 | 0.69 |
| | | PI | 2.09 | 2.09 | 2.09 | 2.09 | 2.10 | 2.09 | 2.10 | 2.10 | 2.10 | 2.10 | 2.11 | 2.11 | 2.11 | 2.11 | 2.11 | 2.16 | 2.15 | 2.16 | 2.16 | 2.16 |
| | 14°F 10°C | TC | 46106 | 46082 | 47023 | 47244 | 48709 | 48395 | 48352 | 48319 | 48314 | 48766 | 50053 | 49990 | 49939 | 49931 | 49881 | 53222 | 53205 | 53103 | 53085 | 52972 |
| | | S/T | 0.81 | 0.93 | 1.00 | 1.00 | 1.00 | 0.65 | 0.76 | 0.86 | 0.87 | 1.00 | 0.55 | 0.66 | 0.75 | 0.76 | 0.87 | 0.39 | 0.48 | 0.56 | 0.57 | 0.67 |
| | | PI | 2.09 | 2.09 | 2.09 | 2.08 | 2.08 | 2.08 | 2.08 | 2.08 | 2.08 | 2.08 | 2.08 | 2.08 | 2.08 | 2.08 | 2.08 | 2.09 | 2.09 | 2.09 | 2.09 | 2.09 |
| | 17°F 10°C | TC | 45921 | 46071 | 47136 | 47365 | 48904 | 48207 | 48227 | 48236 | 48276 | 48957 | 49852 | 49871 | 49891 | 49893 | 49955 | 53019 | 53004 | 52996 | 53006 | 53051 |
| | | S/T | 0.82 | 0.93 | 1.00 | 1.00 | 1.00 | 0.66 | 0.77 | 0.87 | 0.88 | 1.00 | 0.55 | 0.66 | 0.76 | 0.77 | 0.87 | 0.39 | 0.48 | 0.57 | 0.58 | 0.68 |
| | | PI | 2.07 | 2.07 | 2.07 | 2.07 | 2.07 | 2.07 | 2.07 | 2.07 | 2.07 | 2.07 | 2.07 | 2.07 | 2.07 | 2.07 | 2.07 | 2.09 | 2.09 | 2.09 | 2.09 | 2.09 |
| | 23°F 5°C | TC | 44980 | 45173 | 46342 | 46570 | 48105 | 47257 | 47272 | 47277 | 47339 | 48157 | 48887 | 48904 | 48917 | 48918 | 48997 | 51982 | 51966 | 52003 | 52010 | 52040 |
| | | S/T | 0.83 | 0.95 | 1.00 | 1.00 | 1.00 | 0.66 | 0.78 | 0.88 | 0.89 | 1.00 | 0.56 | 0.67 | 0.76 | 0.78 | 0.89 | 0.39 | 0.48 | 0.57 | 0.59 | 0.69 |
| | | PI | 2.24 | 2.24 | 2.25 | 2.25 | 2.26 | 2.25 | 2.25 | 2.25 | 2.26 | 2.26 | 2.27 | 2.27 | 2.27 | 2.27 | 2.27 | 2.31 | 2.31 | 2.31 | 2.31 | 2.31 |
| | 35°F 1.7°C | TC | 43510 | 43511 | 43767 | 43889 | 45305 | 45544 | 45542 | 45546 | 45546 | 45667 | 46969 | 46966 | 46969 | 46970 | 46974 | 49614 | 49602 | 49600 | 49598 | 49602 |
| | | S/T | 0.78 | 0.88 | 0.97 | 0.99 | 1.00 | 0.63 | 0.73 | 0.82 | 0.83 | 0.93 | 0.54 | 0.63 | 0.72 | 0.73 | 0.83 | 0.39 | 0.46 | 0.54 | 0.56 | 0.65 |
| | | PI | 2.42 | 2.42 | 2.43 | 2.44 | 2.54 | 2.56 | 2.56 | 2.56 | 2.56 | 2.57 | 2.67 | 2.67 | 2.67 | 2.67 | 2.67 | 2.91 | 2.91 | 2.91 | 2.90 | 2.91 |
| | 41°F 5°C | TC | 43434 | 43435 | 43781 | 44085 | 45388 | 45454 | 45453 | 45456 | 45456 | 45615 | 46872 | 46869 | 46872 | 46873 | 46876 | 49502 | 49490 | 49487 | 49485 | 49490 |
| | | S/T | 0.78 | 0.89 | 0.98 | 1.00 | 1.00 | 0.64 | 0.74 | 0.83 | 0.84 | 0.94 | 0.54 | 0.64 | 0.72 | 0.74 | 0.84 | 0.39 | 0.47 | 0.55 | 0.56 | 0.66 |
| | | PI | 2.27 | 2.27 | 2.29 | 2.31 | 2.40 | 2.41 | 2.41 | 2.41 | 2.41 | 2.42 | 2.52 | 2.52 | 2.52 | 2.52 | 2.52 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 |
| | 47°F 8.3°C | TC | 43357 | 43386 | 43967 | 44164 | 45471 | 45367 | 45366 | 45367 | 45366 | 45576 | 46776 | 46772 | 46775 | 46775 | 46775 | 49395 | 49383 | 49378 | 49376 | 49381 |
| | | S/T | 0.79 | 0.90 | 1.00 | 1.00 | 1.00 | 0.64 | 0.75 | 0.84 | 0.85 | 0.96 | 0.54 | 0.65 | 0.73 | 0.75 | 0.85 | 0.39 | 0.47 | 0.55 | 0.57 | 0.67 |
| | | PI | 2.12 | 2.12 | 2.16 | 2.18 | 2.27 | 2.26 | 2.26 | 2.26 | 2.26 | 2.28 | 2.37 | 2.37 | 2.37 | 2.37 | 2.37 | 2.58 | 2.58 | 2.58 | 2.58 | 2.58 |
| | 50°F 10°C | TC | 42685 | 43860 | 45340 | 45603 | 47371 | 45095 | 45120 | 45432 | 45575 | 47416 | 46854 | 46915 | 46940 | 46942 | 47394 | 50083 | 50216 | 50345 | 50360 | 50423 |
| | | S/T | 0.90 | 1.00 | 1.00 | 1.00 | 1.00 | 0.71 | 0.85 | 0.96 | 0.99 | 1.00 | 0.59 | 0.72 | 0.83 | 0.85 | 0.99 | 0.40 | 0.50 | 0.60 | 0.62 | 0.74 |
| | | PI | 2.51 | 2.51 | 2.51 | 2.51 | 2.50 | 2.51 | 2.51 | 2.51 | 2.51 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 |
| | 59°F 15°C | TC | 42996 | 44504 | 46084 | 46364 | 48251 | 45492 | 45554 | 46071 | 46414 | 48299 | 47368 | 47416 | 47433 | 47502 | 48338 | 50864 | 50966 | 51068 | 51079 | 51122 |
| | | S/T | 0.92 | 1.00 | 1.00 | 1.00 | 1.00 | 0.73 | 0.86 | 1.00 | 1.00 | 1.00 | 0.60 | 0.73 | 0.85 | 0.86 | 1.00 | 0.40 | 0.51 | 0.61 | 0.63 | 0.76 |
| | | PI | 2.89 | 2.90 | 2.91 | 2.91 | 2.92 | 2.91 | 2.91 | 2.91 | 2.91 | 2.92 | 2.92 | 2.92 | 2.92 | 2.92 | 2.92 | 2.94 | 2.94 | 2.93 | 2.93 | 2.93 |
| | 68°F 20°C | TC | 43284 | 45131 | 46805 | 47103 | 49101 | 45823 | 45926 | 46856 | 47154 | 49150 | 47804 | 47840 | 47926 | 47968 | 49190 | 51509 | 51604 | 51685 | 51693 | 51720 |
| | | S/T | 0.95 | 1.00 | 1.00 | 1.00 | 1.00 | 0.74 | 0.89 | 1.00 | 1.00 | 1.00 | 0.61 | 0.75 | 0.87 | 0.89 | 1.00 | 0.40 | 0.51 | 0.63 | 0.65 | 0.78 |
| | | PI | 3.28 | 3.30 | 3.32 | 3.32 | 3.34 | 3.31 | 3.31 | 3.32 | 3.32 | 3.34 | 3.33 | 3.33 | 3.33 | 3.33 | 3.34 | 3.38 | 3.37 | 3.37 | 3.37 | 3.37 |
| | 77°F 25°C | TC | 43533 | 45629 | 47415 | 47731 | 49864 | 46151 | 46297 | 47467 | 47784 | 49914 | 48241 | 48295 | 48419 | 48473 | 49956 | 52103 | 52261 | 52381 | 52394 | 52443 |
| | | S/T | 0.97 | 1.00 | 1.00 | 1.00 | 1.00 | 0.75 | 0.90 | 1.00 | 1.00 | 1.00 | 0.61 | 0.76 | 0.88 | 0.90 | 1.00 | 0.40 | 0.52 | 0.63 | 0.65 | 0.79 |
| | | PI | 3.69 | 3.71 | 3.73 | 3.73 | 3.75 | 3.72 | 3.72 | 3.73 | 3.73 | 3.75 | 3.74 | 3.74 | 3.74 | 3.74 | 3.75 | 3.79 | 3.78 | 3.78 | 3.78 | 3.78 |
| | 82°F 27.8°C | TC | 43814 | 46050 | 47908 | 48232 | 50441 | 46429 | 46608 | 47949 | 48286 | 50494 | 48588 | 48650 | 48801 | 48861 | 50538 | 52534 | 52732 | 52869 | 52883 | 52941 |
| | | S/T | 0.99 | 1.00 | 1.00 | 1.00 | 1.00 | 0.76 | 0.91 | 1.00 | 1.00 | 1.00 | 0.62 | 0.77 | 0.89 | 0.92 | 1.00 | 0.40 | 0.52 | 0.64 | 0.66 | 0.80 |
| | | PI | 4.11 | 4.13 | 4.15 | 4.15 | 4.17 | 4.14 | 4.14 | 4.15 | 4.15 | 4.17 | 4.16 | 4.16 | 4.16 | 4.16 | 4.17 | 4.21 | 4.20 | 4.20 | 4.20 | 4.19 |
| | 86°F 30°C | TC | 44369 | 46584 | 48489 | 48827 | 51101 | 46791 | 47006 | 48543 | 48883 | 51154 | 49008 | 49064 | 49244 | 49315 | 51198 | 53057 | 53261 | 53388 | 53401 | 53451 |
| | | S/T | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.77 | 0.93 | 1.00 | 1.00 | 1.00 | 0.62 | 0.78 | 0.91 | 0.93 | 1.00 | 0.40 | 0.52 | 0.64 | 0.66 | 0.81 |
| | | PI | 4.67 | 4.70 | 4.72 | 4.72 | 4.75 | 4.70 | 4.70 | 4.72 | 4.72 | 4.75 | 4.73 | 4.73 | 4.73 | 4.73 | 4.75 | 4.79 | 4.79 | 4.78 | 4.78 | 4.78 |
| | 95°F 35°C | TC | 45290 | 45535 | 47006 | 47285 | 49154 | 48134 | 48162 | 48177 | 48234 | 49216 | 50199 | 50210 | 50241 | 50246 | 50329 | 54092 | 54072 | 54083 | 54098 | 54171 |
| | | S/T | 0.83 | 0.95 | 1.00 | 1.00 | 1.00 | 0.66 | 0.78 | 0.88 | 0.89 | 1.00 | 0.56 | 0.67 | 0.76 | 0.78 | 0.88 | 0.39 | 0.48 | 0.57 | 0.58 | 0.68 |
| | | PI | 5.70 | 5.72 | 5.81 | 5.82 | 5.94 | 5.88 | 5.88 | 5.88 | 5.88 | 5.94 | 6.01 | 6.01 | 6.01 | 6.01 | 6.02 | 6.26 | 6.26 | 6.26 | 6.26 | 6.26 |
| | 104°F 40°C | TC | 41566 | 41946 | 43525 | 43787 | 45533 | 44184 | 44209 | 44287 | 44335 | 45590 | 46070 | 46088 | 46112 | 46115 | 46245 | 49656 | 49637 | 49660 | 49677 | 49730 |
| | | S/T | 0.85 | 0.98 | 1.00 | 1.00 | 1.00 | 0.68 | 0.80 | 0.90 | 0.92 | 1.00 | 0.56 | 0.68 | 0.78 | 0.80 | 0.91 | 0.39 | 0.48 | 0.58 | 0.59 | 0.70 |
| | | PI | 5.64 | 5.66 | 5.76 | 5.78 | 5.90 | 5.81 | 5.81 | 5.82 | 5.82 | 5.90 | 5.94 | 5.94 | 5.94 | 5.94 | 5.94 | 6.18 | 6.18 | 6.18 | 6.18 | 6.18 |
| | 110°F 43°C | TC | 39180 | 40685 | 42237 | 42511 | 44353 | 41713 | 41725 | 42191 | 42561 | 44399 | 43591 | 43625 | 43635 | 43668 | 44437 | 47182 | 47184 | 47258 | 47265 | 47292 |
| | | S/T | 0.92 | 1.00 | 1.00 | 1.00 | 1.00 | 0.72 | 0.87 | 0.99 | 1.00 | 1.00 | 0.60 | 0.73 | 0.85 | 0.86 | 1.00 | 0.40 | 0.51 | 0.61 | 0.63 | 0.76 |
| | | PI | 5.66 | 5.74 | 5.82 | 5.83 | 5.93 | 5.79 | 5.79 | 5.81 | 5.83 | 5.93 | 5.89 | 5.89 | 5.89 | 5.89 | 5.93 | 6.09 | 6.09 | 6.08 | 6.08 | 6.08 |
| | 115°F 46°C | TC | 33624 | 35244 | 36637 | 36910 | 38535 | 35757 | 35829 | 36679 | 36957 | 38575 | 37424 | 37447 | 37498 | 37535 | 38608 | 40579 | 40610 | 40666 | 40671 | 40684 |
| | | S/T | 0.96 | 1.00 | 1.00 | 1.00 | 1.00 | 0.75 | 0.89 | 1.00 | 1.00 | 1.00 | 0.61 | 0.75 | 0.87 | 0.90 | 1.00 | 0.40 | 0.52 | 0.63 | 0.65 | 0.78 |
| | | PI | 4.94 | 5.02 | 5.08 | 5.10 | 5.16 | 5.04 | 5.04 | 5.08 | 5.11 | 5.16 | 5.12 | 5.12 | 5.12 | 5.12 | 5.16 | 5.27 | 5.27 | 5.26 | 5.26 | 5.26 |
| | 122°F 50°C | TC | 26544 | 28008 | 29262 | 29481 | 30969 | 27390 | 28038 | 29295 | 29513 | 30999 | 28845 | 28836 | 29316 | 29537 | 31018 | 31496 | 31619 | 31626 | 31623 | 31665 |
| | | S/T | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.84 | 1.00 | 1.00 | 1.00 | 1.00 | 0.67 | 0.85 | 1.00 | 1.00 | 1.00 | 0.41 | 0.55 | 0.69 | 0.72 | 0.88 |
| | | PI | 4.02 | 4.05 | 4.08 | 4.09 | 4.12 | 4.04 | 4.05 | 4.08 | 4.09 | 4.12 | 4.08 | 4.07 | 4.08 | 4.09 | 4.12 | 4.17 | 4.15 | 4.15 | 4.15 | 4.14 |

# HEATING PERFORMANCE - 37MURA + 45MULA

Extrapolated Data: The highlighted data is tested; other data is simulated and for reference.

**Table 31 – 18K Heating — 37MURA + 45MULA (24A)**

| AIRFLOW (CFM) | OUTDOOR DB (°F) | HEATING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | TC: Total Heating Capacity (BTU/hr) | | | | | PI: Power Input (kW) | | | | |
| | | Indoor Conditions (DB °F) | | | | | Indoor Conditions (DB °F) | | | | |
| | | 60.8°F (16.0°C) | 68°F (20.0°C) | 70°F (21.1°C) | 71.6°F (22.0°C) | 75.2°F (24.0°C) | 60.8°F (16.0°C) | 68°F (20.0°C) | 70°F (21.1°C) | 71.6°F (22.0°C) | 75.2°F (24.0°C) |
| 441 | -13°F (-25.0°C) | 21790 | 21354 | 21248 | 21163 | 20972 | 3.85 | 3.88 | 3.89 | 3.90 | 3.92 |
| | -4°F (-20.0°C) | 28725 | 28150 | 28010 | 27897 | 27646 | 4.53 | 4.56 | 4.57 | 4.58 | 4.60 |
| | 0°F (-17.8°C) | 31967 | 31327 | 31171 | 31046 | 30767 | 4.61 | 4.65 | 4.66 | 4.67 | 4.69 |
| | 5°F (-15.0°C) | 36019 | 35299 | 35122 | 34982 | 34667 | 4.72 | 4.76 | 4.77 | 4.78 | 4.80 |
| | 14°F (-10.0°C) | 36761 | 36026 | 35846 | 35702 | 35381 | 4.49 | 4.53 | 4.54 | 4.55 | 4.57 |
| | 17°F (-8.3°C) | 37008 | 36268 | 36087 | 35942 | 35619 | 4.42 | 4.45 | 4.46 | 4.47 | 4.49 |
| | 22°F (-5.6°C) | 36786 | 36051 | 35870 | 35727 | 35405 | 4.25 | 4.29 | 4.30 | 4.31 | 4.32 |
| | 27°F (-2.8°C) | 36564 | 35833 | 35654 | 35511 | 35192 | 4.09 | 4.13 | 4.13 | 4.14 | 4.16 |
| | 32°F (0.0°C) | 36343 | 35616 | 35438 | 35296 | 34978 | 3.93 | 3.96 | 3.97 | 3.98 | 3.99 |
| | 35°F (1.7°C) | 36209 | 35485 | 35308 | 35167 | 34850 | 3.83 | 3.86 | 3.87 | 3.88 | 3.89 |
| | 37°F (2.8°C) | 40230 | 39425 | 39228 | 39071 | 38719 | 3.96 | 3.99 | 4.00 | 4.01 | 4.03 |
| | 42°F (5.6°C) | 50281 | 49275 | 49029 | 48833 | 48393 | 4.28 | 4.32 | 4.33 | 4.34 | 4.35 |
| | 44.6°F (7.0°C) | 54301 | 53215 | 52949 | 52737 | 52262 | 4.41 | 4.45 | 4.46 | 4.47 | 4.48 |
| | 47°F (8.3°C) | 60332 | 59125 | 58829 | 58594 | 58067 | 4.61 | 4.64 | 4.65 | 4.66 | 4.68 |
| | 52°F (11.1°C) | 58887 | 57709 | 57421 | 57191 | 56676 | 4.31 | 4.34 | 4.35 | 4.36 | 4.38 |
| | 57F (13.9°C) | 57443 | 56294 | 56012 | 55788 | 55286 | 4.01 | 4.04 | 4.05 | 4.06 | 4.07 |
| | 59°F (15.0°C) | 56865 | 55728 | 55449 | 55227 | 54730 | 3.89 | 3.92 | 3.93 | 3.93 | 3.95 |
| | 62°F (16.7°C) | 55998 | 54878 | 54604 | 54385 | 53896 | 3.71 | 3.74 | 3.75 | 3.75 | 3.77 |
| | 64.4°F (18.0°C) | 55305 | 54199 | 53928 | 53712 | 53229 | 3.56 | 3.59 | 3.60 | 3.61 | 3.62 |
| | 69.8°F (21.0°C) | 58377 | 57210 | 56924 | 56696 | 56186 | 3.24 | 3.27 | 3.27 | 3.28 | 3.29 |
| | 75.2°F (24.0°C) | 52232 | 51188 | 50932 | 50728 | 50272 | 2.92 | 2.94 | 2.95 | 2.95 | 2.96 |
| 617 | -13°F (-25.0°C) | 8919 | 8741 | 8697 | 8662 | 8584 | 1.58 | 1.59 | 1.59 | 1.60 | 1.60 |
| | -4°F (-20.0°C) | 10522 | 10311 | 10260 | 10219 | 10127 | 1.64 | 1.65 | 1.66 | 1.66 | 1.67 |
| | 0°F (-17.8°C) | 11352 | 11125 | 11070 | 11025 | 10926 | 1.68 | 1.69 | 1.69 | 1.70 | 1.70 |
| | 5°F (-15.0°C) | 12390 | 12143 | 12082 | 12034 | 11925 | 1.72 | 1.74 | 1.74 | 1.74 | 1.75 |
| | 14°F (-10.0°C) | 14157 | 13873 | 13804 | 13749 | 13625 | 1.74 | 1.75 | 1.76 | 1.76 | 1.77 |
| | 17°F (-8.3°C) | 14745 | 14450 | 14378 | 14321 | 14192 | 1.74 | 1.76 | 1.76 | 1.76 | 1.77 |
| | 22°F (-5.6°C) | 15088 | 14787 | 14713 | 14654 | 14522 | 1.75 | 1.76 | 1.77 | 1.77 | 1.78 |
| | 27°F (-2.8°C) | 15432 | 15123 | 15047 | 14987 | 14852 | 1.76 | 1.77 | 1.78 | 1.78 | 1.79 |
| | 32°F (0.0°C) | 15775 | 15459 | 15382 | 15320 | 15182 | 1.76 | 1.78 | 1.78 | 1.79 | 1.79 |
| | 35°F (1.7°C) | 15981 | 15661 | 15583 | 15520 | 15381 | 1.77 | 1.78 | 1.79 | 1.79 | 1.80 |
| | 37°F (2.8°C) | 16815 | 16479 | 16396 | 16331 | 16184 | 1.76 | 1.77 | 1.78 | 1.78 | 1.79 |
| | 42°F (5.6°C) | 18901 | 18523 | 18431 | 18357 | 18192 | 1.74 | 1.75 | 1.76 | 1.76 | 1.77 |
| | 44.6°F (7.0°C) | 19736 | 19341 | 19245 | 19168 | 18995 | 1.73 | 1.74 | 1.75 | 1.75 | 1.76 |
| | 47°F (8.3°C) | 20988 | 20568 | 20465 | 20383 | 20200 | 1.72 | 1.73 | 1.73 | 1.74 | 1.74 |
| | 52°F (11.1°C) | 19632 | 19240 | 19144 | 19067 | 18895 | 1.61 | 1.62 | 1.63 | 1.63 | 1.64 |
| | 57F (13.9°C) | 18277 | 17911 | 17822 | 17751 | 17591 | 1.50 | 1.52 | 1.52 | 1.52 | 1.53 |
| | 59°F (15.0°C) | 17735 | 17380 | 17293 | 17224 | 17069 | 1.46 | 1.47 | 1.48 | 1.48 | 1.48 |
| | 62°F (16.7°C) | 16922 | 16583 | 16500 | 16434 | 16286 | 1.40 | 1.41 | 1.41 | 1.41 | 1.42 |
| | 64.4°F (18.0°C) | 16271 | 15946 | 15866 | 15802 | 15660 | 1.35 | 1.36 | 1.36 | 1.36 | 1.37 |
| | 69.8°F (21.0°C) | 14807 | 14511 | 14438 | 14381 | 14251 | 1.23 | 1.24 | 1.24 | 1.25 | 1.25 |
| | 75.2°F (24.0°C) | 13343 | 13076 | 13011 | 12959 | 12842 | 1.11 | 1.12 | 1.13 | 1.13 | 1.13 |

## Table 32 – 18K Heating — 37MURA + 45MULA (24B)

| AIRFLOW (CFM) | HEATING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | OUTDOOR DB (°F) | TC: Total Heating Capacity (BTU/hr) | | | | | PI: Power Input (kW) | | | | |
| | | Indoor Conditions (DB °F) | | | | | Indoor Conditions (DB °F) | | | | |
| | | 60.8°F (16.0°C) | 68°F (20.0°C) | 70°F (21.1°C) | 71.6°F (22.0°C) | 75.2°F (24.0°C) | 60.8°F (16.0°C) | 68°F (20.0°C) | 70°F (21.1°C) | 71.6°F (22.0°C) | 75.2°F (24.0°C) |
| 441 | -13°F (-25.0°C) | 21790 | 21354 | 21248 | 21163 | 20972 | 3.85 | 3.88 | 3.89 | 3.90 | 3.92 |
| | -4°F (-20.0°C) | 28725 | 28150 | 28010 | 27897 | 27646 | 4.53 | 4.56 | 4.57 | 4.58 | 4.60 |
| | 0°F (-17.8°C) | 31967 | 31327 | 31171 | 31046 | 30767 | 4.61 | 4.65 | 4.66 | 4.67 | 4.69 |
| | 5°F (-15.0°C) | 36019 | 35299 | 35122 | 34982 | 34667 | 4.72 | 4.76 | 4.77 | 4.78 | 4.80 |
| | 14°F (-10.0°C) | 36761 | 36026 | 35846 | 35702 | 35381 | 4.49 | 4.53 | 4.54 | 4.55 | 4.57 |
| | 17°F (-8.3°C) | 37008 | 36268 | 36087 | 35942 | 35619 | 4.42 | 4.45 | 4.46 | 4.47 | 4.49 |
| | 22°F (-5.6°C) | 36786 | 36051 | 35870 | 35727 | 35405 | 4.25 | 4.29 | 4.30 | 4.31 | 4.32 |
| | 27°F (-2.8°C) | 36564 | 35833 | 35654 | 35511 | 35192 | 4.09 | 4.13 | 4.13 | 4.14 | 4.16 |
| | 32°F (0.0°C) | 36343 | 35616 | 35438 | 35296 | 34978 | 3.93 | 3.96 | 3.97 | 3.98 | 3.99 |
| | 35°F (1.7°C) | 36209 | 35485 | 35308 | 35167 | 34850 | 3.83 | 3.86 | 3.87 | 3.88 | 3.89 |
| | 37°F (2.8°C) | 40230 | 39425 | 39228 | 39071 | 38719 | 3.96 | 3.99 | 4.00 | 4.01 | 4.03 |
| | 42°F (5.6°C) | 50281 | 49275 | 49029 | 48833 | 48393 | 4.28 | 4.32 | 4.33 | 4.34 | 4.35 |
| | 44.6°F (7.0°C) | 54301 | 53215 | 52949 | 52737 | 52262 | 4.41 | 4.45 | 4.46 | 4.47 | 4.48 |
| | 47°F (8.3°C) | 60332 | 59125 | 58829 | 58594 | 58067 | 4.61 | 4.64 | 4.65 | 4.66 | 4.68 |
| | 52°F (11.1°C) | 58887 | 57709 | 57421 | 57191 | 56676 | 4.31 | 4.34 | 4.35 | 4.36 | 4.38 |
| | 57F (13.9°C) | 57443 | 56294 | 56012 | 55788 | 55286 | 4.01 | 4.04 | 4.05 | 4.06 | 4.07 |
| | 59°F (15.0°C) | 56865 | 55728 | 55449 | 55227 | 54730 | 3.89 | 3.92 | 3.93 | 3.93 | 3.95 |
| | 62°F (16.7°C) | 55998 | 54878 | 54604 | 54385 | 53896 | 3.71 | 3.74 | 3.75 | 3.75 | 3.77 |
| | 64.4°F (18.0°C) | 55305 | 54199 | 53928 | 53712 | 53229 | 3.56 | 3.59 | 3.60 | 3.61 | 3.62 |
| | 69.8°F (21.0°C) | 58377 | 57210 | 56924 | 56696 | 56186 | 3.24 | 3.27 | 3.27 | 3.28 | 3.29 |
| | 75.2°F (24.0°C) | 52232 | 51188 | 50932 | 50728 | 50272 | 2.92 | 2.94 | 2.95 | 2.95 | 2.96 |
| 617 | -13°F (-25.0°C) | 8919 | 8741 | 8697 | 8662 | 8584 | 1.58 | 1.59 | 1.59 | 1.60 | 1.60 |
| | -4°F (-20.0°C) | 10522 | 10311 | 10260 | 10219 | 10127 | 1.64 | 1.65 | 1.66 | 1.66 | 1.67 |
| | 0°F (-17.8°C) | 11352 | 11125 | 11070 | 11025 | 10926 | 1.68 | 1.69 | 1.69 | 1.70 | 1.70 |
| | 5°F (-15.0°C) | 12390 | 12143 | 12082 | 12034 | 11925 | 1.72 | 1.74 | 1.74 | 1.74 | 1.75 |
| | 14°F (-10.0°C) | 14157 | 13873 | 13804 | 13749 | 13625 | 1.74 | 1.75 | 1.76 | 1.76 | 1.77 |
| | 17°F (-8.3°C) | 14745 | 14450 | 14378 | 14321 | 14192 | 1.74 | 1.76 | 1.76 | 1.76 | 1.77 |
| | 22°F (-5.6°C) | 15088 | 14787 | 14713 | 14654 | 14522 | 1.75 | 1.76 | 1.77 | 1.77 | 1.78 |
| | 27°F (-2.8°C) | 15432 | 15123 | 15047 | 14987 | 14852 | 1.76 | 1.77 | 1.78 | 1.78 | 1.79 |
| | 32°F (0.0°C) | 15775 | 15459 | 15382 | 15320 | 15182 | 1.76 | 1.78 | 1.78 | 1.79 | 1.79 |
| | 35°F (1.7°C) | 15981 | 15661 | 15583 | 15520 | 15381 | 1.77 | 1.78 | 1.79 | 1.79 | 1.80 |
| | 37°F (2.8°C) | 16815 | 16479 | 16396 | 16331 | 16184 | 1.76 | 1.77 | 1.78 | 1.78 | 1.79 |
| | 42°F (5.6°C) | 18901 | 18523 | 18431 | 18357 | 18192 | 1.74 | 1.75 | 1.76 | 1.76 | 1.77 |
| | 44.6°F (7.0°C) | 19736 | 19341 | 19245 | 19168 | 18995 | 1.73 | 1.74 | 1.75 | 1.75 | 1.76 |
| | 47°F (8.3°C) | 20988 | 20568 | 20465 | 20383 | 20200 | 1.72 | 1.73 | 1.73 | 1.74 | 1.74 |
| | 52°F (11.1°C) | 19632 | 19240 | 19144 | 19067 | 18895 | 1.61 | 1.62 | 1.63 | 1.63 | 1.64 |
| | 57F (13.9°C) | 18277 | 17911 | 17822 | 17751 | 17591 | 1.50 | 1.52 | 1.52 | 1.52 | 1.53 |
| | 59°F (15.0°C) | 17735 | 17380 | 17293 | 17224 | 17069 | 1.46 | 1.47 | 1.48 | 1.48 | 1.48 |
| | 62°F (16.7°C) | 16922 | 16583 | 16500 | 16434 | 16286 | 1.40 | 1.41 | 1.41 | 1.41 | 1.42 |
| | 64.4°F (18.0°C) | 16271 | 15946 | 15866 | 15802 | 15660 | 1.35 | 1.36 | 1.36 | 1.36 | 1.37 |
| | 69.8°F (21.0°C) | 14807 | 14511 | 14438 | 14381 | 14251 | 1.23 | 1.24 | 1.24 | 1.25 | 1.25 |
| | 75.2°F (24.0°C) | 13343 | 13076 | 13011 | 12959 | 12842 | 1.11 | 1.12 | 1.13 | 1.13 | 1.13 |

Manufacturer reserves the right to change, at any time, specifications and designs without notice and without obligations.

## Table 33 – 24K Heating — 37MURA + 45MULA (24A)

| AIRFLOW (CFM) | OUTDOOR DB (°F) | HEATING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | TC: Total Heating Capacity (BTU/hr) | | | | | PI: Power Input (kW) | | | | |
| | | Indoor Conditions (DB °F) | | | | | Indoor Conditions (DB °F) | | | | |
| | | 60.8°F (16.0°C) | 68°F (20.0°C) | 70°F (21.1°C) | 71.6°F (22.0°C) | 75.2°F (24.0°C) | 60.8°F (16.0°C) | 68°F (20.0°C) | 70°F (21.1°C) | 71.6°F (22.0°C) | 75.2°F (24.0°C) |
| 529 | -13°F (-25.0°C) | 21790 | 21354 | 21248 | 21163 | 20972 | 3.85 | 3.88 | 3.89 | 3.90 | 3.92 |
| | -4°F (-20.0°C) | 28725 | 28150 | 28010 | 27897 | 27646 | 4.53 | 4.56 | 4.57 | 4.58 | 4.60 |
| | 0°F (-17.8°C) | 31967 | 31327 | 31171 | 31046 | 30767 | 4.61 | 4.65 | 4.66 | 4.67 | 4.69 |
| | 5°F (-15.0°C) | 36019 | 35299 | 35122 | 34982 | 34667 | 4.72 | 4.76 | 4.77 | 4.78 | 4.80 |
| | 14°F (-10.0°C) | 36761 | 36026 | 35846 | 35702 | 35381 | 4.49 | 4.53 | 4.54 | 4.55 | 4.57 |
| | 17°F (-8.3°C) | 37008 | 36268 | 36087 | 35942 | 35619 | 4.42 | 4.45 | 4.46 | 4.47 | 4.49 |
| | 22°F (-5.6°C) | 36786 | 36051 | 35870 | 35727 | 35405 | 4.25 | 4.29 | 4.30 | 4.31 | 4.32 |
| | 27°F (-2.8°C) | 36564 | 35833 | 35654 | 35511 | 35192 | 4.09 | 4.13 | 4.13 | 4.14 | 4.16 |
| | 32°F (0.0°C) | 36343 | 35616 | 35438 | 35296 | 34978 | 3.93 | 3.96 | 3.97 | 3.98 | 3.99 |
| | 35°F (1.7°C) | 36209 | 35485 | 35308 | 35167 | 34850 | 3.83 | 3.86 | 3.87 | 3.88 | 3.89 |
| | 37°F (2.8°C) | 40230 | 39425 | 39228 | 39071 | 38719 | 3.96 | 3.99 | 4.00 | 4.01 | 4.03 |
| | 42°F (5.6°C) | 50281 | 49275 | 49029 | 48833 | 48393 | 4.28 | 4.32 | 4.33 | 4.34 | 4.35 |
| | 44.6°F (7.0°C) | 54301 | 53215 | 52949 | 52737 | 52262 | 4.41 | 4.45 | 4.46 | 4.47 | 4.48 |
| | 47°F (8.3°C) | 60332 | 59125 | 58829 | 58594 | 58067 | 4.61 | 4.64 | 4.65 | 4.66 | 4.68 |
| | 52°F (11.1°C) | 58887 | 57709 | 57421 | 57191 | 56676 | 4.31 | 4.34 | 4.35 | 4.36 | 4.38 |
| | 57F (13.9°C) | 57443 | 56294 | 56012 | 55788 | 55286 | 4.01 | 4.04 | 4.05 | 4.06 | 4.07 |
| | 59°F (15.0°C) | 56865 | 55728 | 55449 | 55227 | 54730 | 3.89 | 3.92 | 3.93 | 3.93 | 3.95 |
| | 62°F (16.7°C) | 55998 | 54878 | 54604 | 54385 | 53896 | 3.71 | 3.74 | 3.75 | 3.75 | 3.77 |
| | 64.4°F (18.0°C) | 55305 | 54199 | 53928 | 53712 | 53229 | 3.56 | 3.59 | 3.60 | 3.61 | 3.62 |
| | 69.8°F (21.0°C) | 58377 | 57210 | 56924 | 56696 | 56186 | 3.24 | 3.27 | 3.27 | 3.28 | 3.29 |
| | 75.2°F (24.0°C) | 52232 | 51188 | 50932 | 50728 | 50272 | 2.92 | 2.94 | 2.95 | 2.95 | 2.96 |
| 706 | -13°F (-25.0°C) | 16379 | 16052 | 15972 | 15908 | 15765 | 2.84 | 2.86 | 2.86 | 2.87 | 2.88 |
| | -4°F (-20.0°C) | 19452 | 19063 | 18967 | 18891 | 18721 | 2.91 | 2.94 | 2.94 | 2.95 | 2.96 |
| | 0°F (-17.8°C) | 20760 | 20344 | 20243 | 20162 | 19980 | 2.74 | 2.77 | 2.77 | 2.78 | 2.79 |
| | 5°F (-15.0°C) | 22394 | 21947 | 21837 | 21749 | 21554 | 2.53 | 2.55 | 2.56 | 2.56 | 2.57 |
| | 14°F (-10.0°C) | 23499 | 23029 | 22914 | 22822 | 22617 | 2.97 | 2.99 | 3.00 | 3.01 | 3.02 |
| | 17°F (-8.3°C) | 23868 | 23390 | 23273 | 23180 | 22972 | 3.12 | 3.14 | 3.15 | 3.15 | 3.17 |
| | 22°F (-5.6°C) | 23912 | 23434 | 23317 | 23224 | 23015 | 2.98 | 3.00 | 3.01 | 3.02 | 3.03 |
| | 27°F (-2.8°C) | 23957 | 23478 | 23360 | 23267 | 23058 | 2.84 | 2.87 | 2.87 | 2.88 | 2.89 |
| | 32°F (0.0°C) | 24002 | 23522 | 23404 | 23310 | 23101 | 2.71 | 2.73 | 2.74 | 2.74 | 2.75 |
| | 35°F (1.7°C) | 24029 | 23548 | 23430 | 23336 | 23126 | 2.63 | 2.65 | 2.65 | 2.66 | 2.67 |
| | 37°F (2.8°C) | 25179 | 24675 | 24552 | 24453 | 24233 | 2.66 | 2.68 | 2.68 | 2.69 | 2.70 |
| | 42°F (5.6°C) | 28054 | 27493 | 27355 | 27246 | 27001 | 2.74 | 2.76 | 2.76 | 2.77 | 2.78 |
| | 44.6°F (7.0°C) | 29204 | 28620 | 28477 | 28363 | 28107 | 2.77 | 2.79 | 2.80 | 2.80 | 2.81 |
| | 47°F (8.3°C) | 30929 | 30310 | 30159 | 30038 | 29768 | 2.82 | 2.84 | 2.84 | 2.85 | 2.86 |
| | 52°F (11.1°C) | 29438 | 28849 | 28705 | 28590 | 28333 | 2.68 | 2.70 | 2.70 | 2.71 | 2.72 |
| | 57F (13.9°C) | 27946 | 27388 | 27251 | 27142 | 26897 | 2.54 | 2.56 | 2.56 | 2.57 | 2.58 |
| | 59°F (15.0°C) | 27350 | 26803 | 26669 | 26562 | 26323 | 2.48 | 2.50 | 2.50 | 2.51 | 2.52 |
| | 62°F (16.7°C) | 26455 | 25926 | 25797 | 25693 | 25462 | 2.39 | 2.41 | 2.42 | 2.42 | 2.43 |
| | 64.4°F (18.0°C) | 25740 | 25225 | 25099 | 24998 | 24773 | 2.33 | 2.35 | 2.35 | 2.36 | 2.37 |
| | 69.8°F (21.0°C) | 24129 | 23647 | 23528 | 23434 | 23223 | 2.18 | 2.19 | 2.20 | 2.20 | 2.21 |
| | 75.2°F (24.0°C) | 22519 | 22068 | 21958 | 21870 | 21673 | 2.02 | 2.04 | 2.05 | 2.05 | 2.06 |

## Table 34 – 24K Heating — 37MURA + 45MULA (24B)

| AIRFLOW (CFM) | OUTDOOR DB (°F) | HEATING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | TC: Total Heating Capacity (BTU/hr) | | | | | PI: Power Input (kW) | | | | |
| | | Indoor Conditions (DB °F) | | | | | Indoor Conditions (DB °F) | | | | |
| | | 60.8°F (16.0°C) | 68°F (20.0°C) | 70°F (21.1°C) | 71.6°F (22.0°C) | 75.2°F (24.0°C) | 60.8°F (16.0°C) | 68°F (20.0°C) | 70°F (21.1°C) | 71.6°F (22.0°C) | 75.2°F (24.0°C) |
| 529 | -13°F (-25.0°C) | 21790 | 21354 | 21248 | 21163 | 20972 | 3.85 | 3.88 | 3.89 | 3.90 | 3.92 |
| | -4°F (-20.0°C) | 28725 | 28150 | 28010 | 27897 | 27646 | 4.53 | 4.56 | 4.57 | 4.58 | 4.60 |
| | 0°F (-17.8°C) | 31967 | 31327 | 31171 | 31046 | 30767 | 4.61 | 4.65 | 4.66 | 4.67 | 4.69 |
| | 5°F (-15.0°C) | 36019 | 35299 | 35122 | 34982 | 34667 | 4.72 | 4.76 | 4.77 | 4.78 | 4.80 |
| | 14°F (-10.0°C) | 36761 | 36026 | 35846 | 35702 | 35381 | 4.49 | 4.53 | 4.54 | 4.55 | 4.57 |
| | 17°F (-8.3°C) | 37008 | 36268 | 36087 | 35942 | 35619 | 4.42 | 4.45 | 4.46 | 4.47 | 4.49 |
| | 22°F (-5.6°C) | 36786 | 36051 | 35870 | 35727 | 35405 | 4.25 | 4.29 | 4.30 | 4.31 | 4.32 |
| | 27°F (-2.8°C) | 36564 | 35833 | 35654 | 35511 | 35192 | 4.09 | 4.13 | 4.13 | 4.14 | 4.16 |
| | 32°F (0.0°C) | 36343 | 35616 | 35438 | 35296 | 34978 | 3.93 | 3.96 | 3.97 | 3.98 | 3.99 |
| | 35°F (1.7°C) | 36209 | 35485 | 35308 | 35167 | 34850 | 3.83 | 3.86 | 3.87 | 3.88 | 3.89 |
| | 37°F (2.8°C) | 40230 | 39425 | 39228 | 39071 | 38719 | 3.96 | 3.99 | 4.00 | 4.01 | 4.03 |
| | 42°F (5.6°C) | 50281 | 49275 | 49029 | 48833 | 48393 | 4.28 | 4.32 | 4.33 | 4.34 | 4.35 |
| | 44.6°F (7.0°C) | 54301 | 53215 | 52949 | 52737 | 52262 | 4.41 | 4.45 | 4.46 | 4.47 | 4.48 |
| | 47°F (8.3°C) | 60332 | 59125 | 58829 | 58594 | 58067 | 4.61 | 4.64 | 4.65 | 4.66 | 4.68 |
| | 52°F (11.1°C) | 58887 | 57709 | 57421 | 57191 | 56676 | 4.31 | 4.34 | 4.35 | 4.36 | 4.38 |
| | 57F (13.9°C) | 57443 | 56294 | 56012 | 55788 | 55286 | 4.01 | 4.04 | 4.05 | 4.06 | 4.07 |
| | 59°F (15.0°C) | 56865 | 55728 | 55449 | 55227 | 54730 | 3.89 | 3.92 | 3.93 | 3.93 | 3.95 |
| | 62°F (16.7°C) | 55998 | 54878 | 54604 | 54385 | 53896 | 3.71 | 3.74 | 3.75 | 3.75 | 3.77 |
| | 64.4°F (18.0°C) | 55305 | 54199 | 53928 | 53712 | 53229 | 3.56 | 3.59 | 3.60 | 3.61 | 3.62 |
| | 69.8°F (21.0°C) | 58377 | 57210 | 56924 | 56696 | 56186 | 3.24 | 3.27 | 3.27 | 3.28 | 3.29 |
| | 75.2°F (24.0°C) | 52232 | 51188 | 50932 | 50728 | 50272 | 2.92 | 2.94 | 2.95 | 2.95 | 2.96 |
| 706 | -13°F (-25.0°C) | 16379 | 16052 | 15972 | 15908 | 15765 | 2.84 | 2.86 | 2.86 | 2.87 | 2.88 |
| | -4°F (-20.0°C) | 19452 | 19063 | 18967 | 18891 | 18721 | 2.91 | 2.94 | 2.94 | 2.95 | 2.96 |
| | 0°F (-17.8°C) | 20760 | 20344 | 20243 | 20162 | 19980 | 2.74 | 2.77 | 2.77 | 2.78 | 2.79 |
| | 5°F (-15.0°C) | 22394 | 21947 | 21837 | 21749 | 21554 | 2.53 | 2.55 | 2.56 | 2.56 | 2.57 |
| | 14°F (-10.0°C) | 23499 | 23029 | 22914 | 22822 | 22617 | 2.97 | 2.99 | 3.00 | 3.01 | 3.02 |
| | 17°F (-8.3°C) | 23868 | 23390 | 23273 | 23180 | 22972 | 3.12 | 3.14 | 3.15 | 3.15 | 3.17 |
| | 22°F (-5.6°C) | 23912 | 23434 | 23317 | 23224 | 23015 | 2.98 | 3.00 | 3.01 | 3.02 | 3.03 |
| | 27°F (-2.8°C) | 23957 | 23478 | 23360 | 23267 | 23058 | 2.84 | 2.87 | 2.87 | 2.88 | 2.89 |
| | 32°F (0.0°C) | 24002 | 23522 | 23404 | 23310 | 23101 | 2.71 | 2.73 | 2.74 | 2.74 | 2.75 |
| | 35°F (1.7°C) | 24029 | 23548 | 23430 | 23336 | 23126 | 2.63 | 2.65 | 2.65 | 2.66 | 2.67 |
| | 37°F (2.8°C) | 25179 | 24675 | 24552 | 24453 | 24233 | 2.66 | 2.68 | 2.68 | 2.69 | 2.70 |
| | 42°F (5.6°C) | 28054 | 27493 | 27355 | 27246 | 27001 | 2.74 | 2.76 | 2.76 | 2.77 | 2.78 |
| | 44.6°F (7.0°C) | 29204 | 28620 | 28477 | 28363 | 28107 | 2.77 | 2.79 | 2.80 | 2.80 | 2.81 |
| | 47°F (8.3°C) | 30929 | 30310 | 30159 | 30038 | 29768 | 2.82 | 2.84 | 2.84 | 2.85 | 2.86 |
| | 52°F (11.1°C) | 29438 | 28849 | 28705 | 28590 | 28333 | 2.68 | 2.70 | 2.70 | 2.71 | 2.72 |
| | 57F (13.9°C) | 27946 | 27388 | 27251 | 27142 | 26897 | 2.54 | 2.56 | 2.56 | 2.57 | 2.58 |
| | 59°F (15.0°C) | 27350 | 26803 | 26669 | 26562 | 26323 | 2.48 | 2.50 | 2.50 | 2.51 | 2.52 |
| | 62°F (16.7°C) | 26455 | 25926 | 25797 | 25693 | 25462 | 2.39 | 2.41 | 2.42 | 2.42 | 2.43 |
| | 64.4°F (18.0°C) | 25740 | 25225 | 25099 | 24998 | 24773 | 2.33 | 2.35 | 2.35 | 2.36 | 2.37 |
| | 69.8°F (21.0°C) | 24129 | 23647 | 23528 | 23434 | 23223 | 2.18 | 2.19 | 2.20 | 2.20 | 2.21 |
| | 75.2°F (24.0°C) | 22519 | 22068 | 21958 | 21870 | 21673 | 2.02 | 2.04 | 2.05 | 2.05 | 2.06 |

## Table 35 – 30K Heating — 37MURA + 45MULA (36A)

| AIRFLOW (CFM) | OUTDOOR DB (°F) | HEATING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | TC: Total Heating Capacity (BTU/hr) | | | | | PI: Power Input (kW) | | | | |
| | | Indoor Conditions (DB °F) | | | | | Indoor Conditions (DB °F) | | | | |
| | | 60.8°F (16.0°C) | 68°F (20.0°C) | 70°F (21.1°C) | 71.6°F (22.0°C) | 75.2°F (24.0°C) | 60.8°F (16.0°C) | 68°F (20.0°C) | 70°F (21.1°C) | 71.6°F (22.0°C) | 75.2°F (24.0°C) |
| 507 | -13°F (-25.0°C) | 21790 | 21354 | 21248 | 21163 | 20972 | 3.85 | 3.88 | 3.89 | 3.90 | 3.92 |
| | -4°F (-20.0°C) | 28725 | 28150 | 28010 | 27897 | 27646 | 4.53 | 4.56 | 4.57 | 4.58 | 4.60 |
| | 0°F (-17.8°C) | 31967 | 31327 | 31171 | 31046 | 30767 | 4.61 | 4.65 | 4.66 | 4.67 | 4.69 |
| | 5°F (-15.0°C) | 36019 | 35299 | 35122 | 34982 | 34667 | 4.72 | 4.76 | 4.77 | 4.78 | 4.80 |
| | 14°F (-10.0°C) | 36761 | 36026 | 35846 | 35702 | 35381 | 4.49 | 4.53 | 4.54 | 4.55 | 4.57 |
| | 17°F (-8.3°C) | 37008 | 36268 | 36087 | 35942 | 35619 | 4.42 | 4.45 | 4.46 | 4.47 | 4.49 |
| | 22°F (-5.6°C) | 36786 | 36051 | 35870 | 35727 | 35405 | 4.25 | 4.29 | 4.30 | 4.31 | 4.32 |
| | 27°F (-2.8°C) | 36564 | 35833 | 35654 | 35511 | 35192 | 4.09 | 4.13 | 4.13 | 4.14 | 4.16 |
| | 32°F (0.0°C) | 36343 | 35616 | 35438 | 35296 | 34978 | 3.93 | 3.96 | 3.97 | 3.98 | 3.99 |
| | 35°F (1.7°C) | 36209 | 35485 | 35308 | 35167 | 34850 | 3.83 | 3.86 | 3.87 | 3.88 | 3.89 |
| | 37°F (2.8°C) | 40230 | 39425 | 39228 | 39071 | 38719 | 3.96 | 3.99 | 4.00 | 4.01 | 4.03 |
| | 42°F (5.6°C) | 50281 | 49275 | 49029 | 48833 | 48393 | 4.28 | 4.32 | 4.33 | 4.34 | 4.35 |
| | 44.6°F (7.0°C) | 54301 | 53215 | 52949 | 52737 | 52262 | 4.41 | 4.45 | 4.46 | 4.47 | 4.48 |
| | 47°F (8.3°C) | 60332 | 59125 | 58829 | 58594 | 58067 | 4.61 | 4.64 | 4.65 | 4.66 | 4.68 |
| | 52°F (11.1°C) | 58887 | 57709 | 57421 | 57191 | 56676 | 4.31 | 4.34 | 4.35 | 4.36 | 4.38 |
| | 57F (13.9°C) | 57443 | 56294 | 56012 | 55788 | 55286 | 4.01 | 4.04 | 4.05 | 4.06 | 4.07 |
| | 59°F (15.0°C) | 56865 | 55728 | 55449 | 55227 | 54730 | 3.89 | 3.92 | 3.93 | 3.93 | 3.95 |
| | 62°F (16.7°C) | 55998 | 54878 | 54604 | 54385 | 53896 | 3.71 | 3.74 | 3.75 | 3.75 | 3.77 |
| | 64.4°F (18.0°C) | 55305 | 54199 | 53928 | 53712 | 53229 | 3.56 | 3.59 | 3.60 | 3.61 | 3.62 |
| | 69.8°F (21.0°C) | 58377 | 57210 | 56924 | 56696 | 56186 | 3.24 | 3.27 | 3.27 | 3.28 | 3.29 |
| | 75.2°F (24.0°C) | 52232 | 51188 | 50932 | 50728 | 50272 | 2.92 | 2.94 | 2.95 | 2.95 | 2.96 |
| 676 | -13°F (-25.0°C) | 14231 | 13946 | 13877 | 13821 | 13697 | 2.86 | 2.88 | 2.88 | 2.89 | 2.90 |
| | -4°F (-20.0°C) | 15802 | 15486 | 15409 | 15347 | 15209 | 2.83 | 2.85 | 2.86 | 2.86 | 2.87 |
| | 0°F (-17.8°C) | 17799 | 17443 | 17356 | 17286 | 17131 | 2.89 | 2.91 | 2.92 | 2.92 | 2.93 |
| | 5°F (-15.0°C) | 20295 | 19889 | 19790 | 19710 | 19533 | 2.97 | 2.99 | 3.00 | 3.00 | 3.01 |
| | 14°F (-10.0°C) | 20578 | 20167 | 20066 | 19986 | 19806 | 2.85 | 2.87 | 2.87 | 2.88 | 2.89 |
| | 17°F (-8.3°C) | 20673 | 20259 | 20158 | 20077 | 19897 | 2.81 | 2.83 | 2.83 | 2.84 | 2.85 |
| | 22°F (-5.6°C) | 21088 | 20666 | 20563 | 20481 | 20296 | 2.79 | 2.81 | 2.81 | 2.82 | 2.83 |
| | 27°F (-2.8°C) | 21503 | 21073 | 20967 | 20884 | 20696 | 2.77 | 2.79 | 2.79 | 2.80 | 2.81 |
| | 32°F (0.0°C) | 21918 | 21480 | 21372 | 21287 | 21095 | 2.75 | 2.77 | 2.77 | 2.78 | 2.79 |
| | 35°F (1.7°C) | 22167 | 21724 | 21615 | 21529 | 21335 | 2.74 | 2.76 | 2.76 | 2.77 | 2.78 |
| | 37°F (2.8°C) | 23445 | 22976 | 22862 | 22770 | 22565 | 2.74 | 2.76 | 2.77 | 2.77 | 2.79 |
| | 42°F (5.6°C) | 26641 | 26108 | 25978 | 25874 | 25641 | 2.76 | 2.78 | 2.78 | 2.79 | 2.80 |
| | 44.6°F (7.0°C) | 27920 | 27361 | 27224 | 27115 | 26871 | 2.76 | 2.79 | 2.79 | 2.80 | 2.81 |
| | 47°F (8.3°C) | 29837 | 29240 | 29094 | 28978 | 28717 | 2.77 | 2.79 | 2.80 | 2.81 | 2.82 |
| | 52°F (11.1°C) | 28274 | 27708 | 27570 | 27459 | 27212 | 2.51 | 2.53 | 2.54 | 2.54 | 2.55 |
| | 57F (13.9°C) | 26710 | 26176 | 26045 | 25941 | 25707 | 2.25 | 2.27 | 2.27 | 2.28 | 2.29 |
| | 59°F (15.0°C) | 26085 | 25563 | 25435 | 25333 | 25105 | 2.14 | 2.16 | 2.17 | 2.17 | 2.18 |
| | 62°F (16.7°C) | 25146 | 24643 | 24520 | 24422 | 24202 | 1.99 | 2.00 | 2.01 | 2.01 | 2.02 |
| | 64.4°F (18.0°C) | 24396 | 23908 | 23788 | 23693 | 23480 | 1.86 | 1.88 | 1.88 | 1.88 | 1.89 |
| | 69.8°F (21.0°C) | 24525 | 24035 | 23915 | 23819 | 23605 | 1.58 | 1.59 | 1.60 | 1.60 | 1.61 |
| | 75.2°F (24.0°C) | 21866 | 21429 | 21322 | 21236 | 21045 | 1.30 | 1.31 | 1.31 | 1.31 | 1.32 |

## Table 36 – 30K Heating — 37MURA + 45MULA (36B)

| AIRFLOW (CFM) | OUTDOOR DB (°F) | HEATING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | TC: Total Heating Capacity (BTU/hr) | | | | | PI: Power Input (kW) | | | | |
| | | Indoor Conditions (DB °F) | | | | | Indoor Conditions (DB °F) | | | | |
| | | 60.8°F (16.0°C) | 68°F (20.0°C) | 70°F (21.1°C) | 71.6°F (22.0°C) | 75.2°F (24.0°C) | 60.8°F (16.0°C) | 68°F (20.0°C) | 70°F (21.1°C) | 71.6°F (22.0°C) | 75.2°F (24.0°C) |
| 662 | -13°F (-25.0°C) | 21790 | 21354 | 21248 | 21163 | 20972 | 3.85 | 3.88 | 3.89 | 3.90 | 3.92 |
| | -4°F (-20.0°C) | 28725 | 28150 | 28010 | 27897 | 27646 | 4.53 | 4.56 | 4.57 | 4.58 | 4.60 |
| | 0°F (-17.8°C) | 31967 | 31327 | 31171 | 31046 | 30767 | 4.61 | 4.65 | 4.66 | 4.67 | 4.69 |
| | 5°F (-15.0°C) | 36019 | 35299 | 35122 | 34982 | 34667 | 4.72 | 4.76 | 4.77 | 4.78 | 4.80 |
| | 14°F (-10.0°C) | 36761 | 36026 | 35846 | 35702 | 35381 | 4.49 | 4.53 | 4.54 | 4.55 | 4.57 |
| | 17°F (-8.3°C) | 37008 | 36268 | 36087 | 35942 | 35619 | 4.42 | 4.45 | 4.46 | 4.47 | 4.49 |
| | 22°F (-5.6°C) | 36786 | 36051 | 35870 | 35727 | 35405 | 4.25 | 4.29 | 4.30 | 4.31 | 4.32 |
| | 27°F (-2.8°C) | 36564 | 35833 | 35654 | 35511 | 35192 | 4.09 | 4.13 | 4.13 | 4.14 | 4.16 |
| | 32°F (0.0°C) | 36343 | 35616 | 35438 | 35296 | 34978 | 3.93 | 3.96 | 3.97 | 3.98 | 3.99 |
| | 35°F (1.7°C) | 36209 | 35485 | 35308 | 35167 | 34850 | 3.83 | 3.86 | 3.87 | 3.88 | 3.89 |
| | 37°F (2.8°C) | 40230 | 39425 | 39228 | 39071 | 38719 | 3.96 | 3.99 | 4.00 | 4.01 | 4.03 |
| | 42°F (5.6°C) | 50281 | 49275 | 49029 | 48833 | 48393 | 4.28 | 4.32 | 4.33 | 4.34 | 4.35 |
| | 44.6°F (7.0°C) | 54301 | 53215 | 52949 | 52737 | 52262 | 4.41 | 4.45 | 4.46 | 4.47 | 4.48 |
| | 47°F (8.3°C) | 60332 | 59125 | 58829 | 58594 | 58067 | 4.61 | 4.64 | 4.65 | 4.66 | 4.68 |
| | 52°F (11.1°C) | 58887 | 57709 | 57421 | 57191 | 56676 | 4.31 | 4.34 | 4.35 | 4.36 | 4.38 |
| | 57F (13.9°C) | 57443 | 56294 | 56012 | 55788 | 55286 | 4.01 | 4.04 | 4.05 | 4.06 | 4.07 |
| | 59°F (15.0°C) | 56865 | 55728 | 55449 | 55227 | 54730 | 3.89 | 3.92 | 3.93 | 3.93 | 3.95 |
| | 62°F (16.7°C) | 55998 | 54878 | 54604 | 54385 | 53896 | 3.71 | 3.74 | 3.75 | 3.75 | 3.77 |
| | 64.4°F (18.0°C) | 55305 | 54199 | 53928 | 53712 | 53229 | 3.56 | 3.59 | 3.60 | 3.61 | 3.62 |
| | 69.8°F (21.0°C) | 58377 | 57210 | 56924 | 56696 | 56186 | 3.24 | 3.27 | 3.27 | 3.28 | 3.29 |
| | 75.2°F (24.0°C) | 52232 | 51188 | 50932 | 50728 | 50272 | 2.92 | 2.94 | 2.95 | 2.95 | 2.96 |
| 882 | -13°F (-25.0°C) | 15921 | 15603 | 15525 | 15463 | 15323 | 2.85 | 2.88 | 2.88 | 2.89 | 2.90 |
| | -4°F (-20.0°C) | 18468 | 18099 | 18009 | 17937 | 17775 | 2.83 | 2.85 | 2.86 | 2.87 | 2.88 |
| | 0°F (-17.8°C) | 19747 | 19352 | 19255 | 19178 | 19005 | 2.94 | 2.96 | 2.97 | 2.97 | 2.99 |
| | 5°F (-15.0°C) | 21345 | 20918 | 20813 | 20730 | 20543 | 3.07 | 3.10 | 3.11 | 3.11 | 3.12 |
| | 14°F (-10.0°C) | 24237 | 23752 | 23633 | 23539 | 23327 | 2.94 | 2.97 | 2.97 | 2.98 | 2.99 |
| | 17°F (-8.3°C) | 25201 | 24697 | 24573 | 24475 | 24255 | 2.90 | 2.92 | 2.93 | 2.93 | 2.94 |
| | 22°F (-5.6°C) | 25035 | 24534 | 24411 | 24314 | 24095 | 2.90 | 2.92 | 2.93 | 2.93 | 2.94 |
| | 27°F (-2.8°C) | 24868 | 24371 | 24249 | 24152 | 23935 | 2.89 | 2.92 | 2.92 | 2.93 | 2.94 |
| | 32°F (0.0°C) | 24702 | 24208 | 24087 | 23991 | 23775 | 2.89 | 2.92 | 2.92 | 2.93 | 2.94 |
| | 35°F (1.7°C) | 24602 | 24110 | 23990 | 23894 | 23679 | 2.89 | 2.92 | 2.92 | 2.93 | 2.94 |
| | 37°F (2.8°C) | 26041 | 25520 | 25392 | 25291 | 25063 | 2.87 | 2.89 | 2.89 | 2.90 | 2.91 |
| | 42°F (5.6°C) | 29636 | 29043 | 28898 | 28782 | 28523 | 2.80 | 2.82 | 2.83 | 2.83 | 2.84 |
| | 44.6°F (7.0°C) | 31074 | 30453 | 30300 | 30179 | 29907 | 2.77 | 2.79 | 2.80 | 2.80 | 2.81 |
| | 47°F (8.3°C) | 33231 | 32567 | 32404 | 32274 | 31984 | 2.73 | 2.75 | 2.76 | 2.76 | 2.77 |
| | 52°F (11.1°C) | 30167 | 29564 | 29416 | 29299 | 29035 | 2.47 | 2.49 | 2.49 | 2.50 | 2.51 |
| | 57F (13.9°C) | 27104 | 26562 | 26429 | 26323 | 26086 | 2.20 | 2.22 | 2.23 | 2.23 | 2.24 |
| | 59°F (15.0°C) | 25878 | 25361 | 25234 | 25133 | 24907 | 2.10 | 2.12 | 2.12 | 2.12 | 2.13 |
| | 62°F (16.7°C) | 24040 | 23559 | 23441 | 23348 | 23137 | 1.94 | 1.96 | 1.96 | 1.96 | 1.97 |
| | 64.4°F (18.0°C) | 22569 | 22118 | 22007 | 21919 | 21722 | 1.81 | 1.83 | 1.83 | 1.84 | 1.84 |
| | 69.8°F (21.0°C) | 22800 | 22344 | 22233 | 22144 | 21944 | 1.53 | 1.54 | 1.55 | 1.55 | 1.56 |
| | 75.2°F (24.0°C) | 24098 | 23617 | 23498 | 23404 | 23194 | 1.25 | 1.26 | 1.26 | 1.26 | 1.27 |

## Table 37 – 30K Heating — 37MURA + 45MULA (36C)

| AIRFLOW (CFM) | OUTDOOR DB (°F) | HEATING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | TC: Total Heating Capacity (BTU/hr) | | | | | PI: Power Input (kW) | | | | |
| | | Indoor Conditions (DB °F) | | | | | Indoor Conditions (DB °F) | | | | |
| | | 60.8°F (16.0°C) | 68°F (20.0°C) | 70°F (21.1°C) | 71.6°F (22.0°C) | 75.2°F (24.0°C) | 60.8°F (16.0°C) | 68°F (20.0°C) | 70°F (21.1°C) | 71.6°F (22.0°C) | 75.2°F (24.0°C) |
| 662 | -13°F (-25.0°C) | 21790 | 21354 | 21248 | 21163 | 20972 | 3.85 | 3.88 | 3.89 | 3.90 | 3.92 |
| | -4°F (-20.0°C) | 28725 | 28150 | 28010 | 27897 | 27646 | 4.53 | 4.56 | 4.57 | 4.58 | 4.60 |
| | 0°F (-17.8°C) | 31967 | 31327 | 31171 | 31046 | 30767 | 4.61 | 4.65 | 4.66 | 4.67 | 4.69 |
| | 5°F (-15.0°C) | 36019 | 35299 | 35122 | 34982 | 34667 | 4.72 | 4.76 | 4.77 | 4.78 | 4.80 |
| | 14°F (-10.0°C) | 36761 | 36026 | 35846 | 35702 | 35381 | 4.49 | 4.53 | 4.54 | 4.55 | 4.57 |
| | 17°F (-8.3°C) | 37008 | 36268 | 36087 | 35942 | 35619 | 4.42 | 4.45 | 4.46 | 4.47 | 4.49 |
| | 22°F (-5.6°C) | 36786 | 36051 | 35870 | 35727 | 35405 | 4.25 | 4.29 | 4.30 | 4.31 | 4.32 |
| | 27°F (-2.8°C) | 36564 | 35833 | 35654 | 35511 | 35192 | 4.09 | 4.13 | 4.13 | 4.14 | 4.16 |
| | 32°F (0.0°C) | 36343 | 35616 | 35438 | 35296 | 34978 | 3.93 | 3.96 | 3.97 | 3.98 | 3.99 |
| | 35°F (1.7°C) | 36209 | 35485 | 35308 | 35167 | 34850 | 3.83 | 3.86 | 3.87 | 3.88 | 3.89 |
| | 37°F (2.8°C) | 40230 | 39425 | 39228 | 39071 | 38719 | 3.96 | 3.99 | 4.00 | 4.01 | 4.03 |
| | 42°F (5.6°C) | 50281 | 49275 | 49029 | 48833 | 48393 | 4.28 | 4.32 | 4.33 | 4.34 | 4.35 |
| | 44.6°F (7.0°C) | 54301 | 53215 | 52949 | 52737 | 52262 | 4.41 | 4.45 | 4.46 | 4.47 | 4.48 |
| | 47°F (8.3°C) | 60332 | 59125 | 58829 | 58594 | 58067 | 4.61 | 4.64 | 4.65 | 4.66 | 4.68 |
| | 52°F (11.1°C) | 58887 | 57709 | 57421 | 57191 | 56676 | 4.31 | 4.34 | 4.35 | 4.36 | 4.38 |
| | 57F (13.9°C) | 57443 | 56294 | 56012 | 55788 | 55286 | 4.01 | 4.04 | 4.05 | 4.06 | 4.07 |
| | 59°F (15.0°C) | 56865 | 55728 | 55449 | 55227 | 54730 | 3.89 | 3.92 | 3.93 | 3.93 | 3.95 |
| | 62°F (16.7°C) | 55998 | 54878 | 54604 | 54385 | 53896 | 3.71 | 3.74 | 3.75 | 3.75 | 3.77 |
| | 64.4°F (18.0°C) | 55305 | 54199 | 53928 | 53712 | 53229 | 3.56 | 3.59 | 3.60 | 3.61 | 3.62 |
| | 69.8°F (21.0°C) | 58377 | 57210 | 56924 | 56696 | 56186 | 3.24 | 3.27 | 3.27 | 3.28 | 3.29 |
| | 75.2°F (24.0°C) | 52232 | 51188 | 50932 | 50728 | 50272 | 2.92 | 2.94 | 2.95 | 2.95 | 2.96 |
| 882 | -13°F (-25.0°C) | 15921 | 15603 | 15525 | 15463 | 15323 | 2.85 | 2.88 | 2.88 | 2.89 | 2.90 |
| | -4°F (-20.0°C) | 18468 | 18099 | 18009 | 17937 | 17775 | 2.83 | 2.85 | 2.86 | 2.87 | 2.88 |
| | 0°F (-17.8°C) | 19747 | 19352 | 19255 | 19178 | 19005 | 2.94 | 2.96 | 2.97 | 2.97 | 2.99 |
| | 5°F (-15.0°C) | 21345 | 20918 | 20813 | 20730 | 20543 | 3.07 | 3.10 | 3.11 | 3.11 | 3.12 |
| | 14°F (-10.0°C) | 24237 | 23752 | 23633 | 23539 | 23327 | 2.94 | 2.97 | 2.97 | 2.98 | 2.99 |
| | 17°F (-8.3°C) | 25201 | 24697 | 24573 | 24475 | 24255 | 2.90 | 2.92 | 2.93 | 2.93 | 2.94 |
| | 22°F (-5.6°C) | 25035 | 24534 | 24411 | 24314 | 24095 | 2.90 | 2.92 | 2.93 | 2.93 | 2.94 |
| | 27°F (-2.8°C) | 24868 | 24371 | 24249 | 24152 | 23935 | 2.89 | 2.92 | 2.92 | 2.93 | 2.94 |
| | 32°F (0.0°C) | 24702 | 24208 | 24087 | 23991 | 23775 | 2.89 | 2.92 | 2.92 | 2.93 | 2.94 |
| | 35°F (1.7°C) | 24602 | 24110 | 23990 | 23894 | 23679 | 2.89 | 2.92 | 2.92 | 2.93 | 2.94 |
| | 37°F (2.8°C) | 26041 | 25520 | 25392 | 25291 | 25063 | 2.87 | 2.89 | 2.89 | 2.90 | 2.91 |
| | 42°F (5.6°C) | 29636 | 29043 | 28898 | 28782 | 28523 | 2.80 | 2.82 | 2.83 | 2.83 | 2.84 |
| | 44.6°F (7.0°C) | 31074 | 30453 | 30300 | 30179 | 29907 | 2.77 | 2.79 | 2.80 | 2.80 | 2.81 |
| | 47°F (8.3°C) | 33231 | 32567 | 32404 | 32274 | 31984 | 2.73 | 2.75 | 2.76 | 2.76 | 2.77 |
| | 52°F (11.1°C) | 30167 | 29564 | 29416 | 29299 | 29035 | 2.47 | 2.49 | 2.49 | 2.50 | 2.51 |
| | 57F (13.9°C) | 27104 | 26562 | 26429 | 26323 | 26086 | 2.20 | 2.22 | 2.23 | 2.23 | 2.24 |
| | 59°F (15.0°C) | 25878 | 25361 | 25234 | 25133 | 24907 | 2.10 | 2.12 | 2.12 | 2.12 | 2.13 |
| | 62°F (16.7°C) | 24040 | 23559 | 23441 | 23348 | 23137 | 1.94 | 1.96 | 1.96 | 1.96 | 1.97 |
| | 64.4°F (18.0°C) | 22569 | 22118 | 22007 | 21919 | 21722 | 1.81 | 1.83 | 1.83 | 1.84 | 1.84 |
| | 69.8°F (21.0°C) | 22800 | 22344 | 22233 | 22144 | 21944 | 1.53 | 1.54 | 1.55 | 1.55 | 1.56 |
| | 75.2°F (24.0°C) | 24098 | 23617 | 23498 | 23404 | 23194 | 1.25 | 1.26 | 1.26 | 1.26 | 1.27 |

## Table 38 – 36K Heating — 37MURA + 45MULA (36A)

| AIRFLOW (CFM) | OUTDOOR DB (°F) | HEATING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | TC: Total Heating Capacity (BTU/hr) | | | | | PI: Power Input (kW) | | | | |
| | | Indoor Conditions (DB °F) | | | | | Indoor Conditions (DB °F) | | | | |
| | | 60.8°F (16.0°C) | 68°F (20.0°C) | 70°F (21.1°C) | 71.6°F (22.0°C) | 75.2°F (24.0°C) | 60.8°F (16.0°C) | 68°F (20.0°C) | 70°F (21.1°C) | 71.6°F (22.0°C) | 75.2°F (24.0°C) |
| 525 | -13°F (-25.0°C) | 21790 | 21354 | 21248 | 21163 | 20972 | 3.85 | 3.88 | 3.89 | 3.90 | 3.92 |
| | -4°F (-20.0°C) | 28725 | 28150 | 28010 | 27897 | 27646 | 4.53 | 4.56 | 4.57 | 4.58 | 4.60 |
| | 0°F (-17.8°C) | 31967 | 31327 | 31171 | 31046 | 30767 | 4.61 | 4.65 | 4.66 | 4.67 | 4.69 |
| | 5°F (-15.0°C) | 36019 | 35299 | 35122 | 34982 | 34667 | 4.72 | 4.76 | 4.77 | 4.78 | 4.80 |
| | 14°F (-10.0°C) | 36761 | 36026 | 35846 | 35702 | 35381 | 4.49 | 4.53 | 4.54 | 4.55 | 4.57 |
| | 17°F (-8.3°C) | 37008 | 36268 | 36087 | 35942 | 35619 | 4.42 | 4.45 | 4.46 | 4.47 | 4.49 |
| | 22°F (-5.6°C) | 36786 | 36051 | 35870 | 35727 | 35405 | 4.25 | 4.29 | 4.30 | 4.31 | 4.32 |
| | 27°F (-2.8°C) | 36564 | 35833 | 35654 | 35511 | 35192 | 4.09 | 4.13 | 4.13 | 4.14 | 4.16 |
| | 32°F (0.0°C) | 36343 | 35616 | 35438 | 35296 | 34978 | 3.93 | 3.96 | 3.97 | 3.98 | 3.99 |
| | 35°F (1.7°C) | 36209 | 35485 | 35308 | 35167 | 34850 | 3.83 | 3.86 | 3.87 | 3.88 | 3.89 |
| | 37°F (2.8°C) | 40230 | 39425 | 39228 | 39071 | 38719 | 3.96 | 3.99 | 4.00 | 4.01 | 4.03 |
| | 42°F (5.6°C) | 50281 | 49275 | 49029 | 48833 | 48393 | 4.28 | 4.32 | 4.33 | 4.34 | 4.35 |
| | 44.6°F (7.0°C) | 54301 | 53215 | 52949 | 52737 | 52262 | 4.41 | 4.45 | 4.46 | 4.47 | 4.48 |
| | 47°F (8.3°C) | 60332 | 59125 | 58829 | 58594 | 58067 | 4.61 | 4.64 | 4.65 | 4.66 | 4.68 |
| | 52°F (11.1°C) | 58887 | 57709 | 57421 | 57191 | 56676 | 4.31 | 4.34 | 4.35 | 4.36 | 4.38 |
| | 57F (13.9°C) | 57443 | 56294 | 56012 | 55788 | 55286 | 4.01 | 4.04 | 4.05 | 4.06 | 4.07 |
| | 59°F (15.0°C) | 56865 | 55728 | 55449 | 55227 | 54730 | 3.89 | 3.92 | 3.93 | 3.93 | 3.95 |
| | 62°F (16.7°C) | 55998 | 54878 | 54604 | 54385 | 53896 | 3.71 | 3.74 | 3.75 | 3.75 | 3.77 |
| | 64.4°F (18.0°C) | 55305 | 54199 | 53928 | 53712 | 53229 | 3.56 | 3.59 | 3.60 | 3.61 | 3.62 |
| | 69.8°F (21.0°C) | 58377 | 57210 | 56924 | 56696 | 56186 | 3.24 | 3.27 | 3.27 | 3.28 | 3.29 |
| | 75.2°F (24.0°C) | 52232 | 51188 | 50932 | 50728 | 50272 | 2.92 | 2.94 | 2.95 | 2.95 | 2.96 |
| 700 | -13°F (-25.0°C) | 19293 | 18907 | 18813 | 18738 | 18569 | 3.36 | 3.39 | 3.40 | 3.40 | 3.42 |
| | -4°F (-20.0°C) | 23286 | 22820 | 22706 | 22615 | 22412 | 3.67 | 3.70 | 3.70 | 3.71 | 3.73 |
| | 0°F (-17.8°C) | 26642 | 26109 | 25979 | 25875 | 25642 | 4.08 | 4.12 | 4.13 | 4.13 | 4.15 |
| | 5°F (-15.0°C) | 30837 | 30220 | 30069 | 29949 | 29680 | 4.61 | 4.65 | 4.65 | 4.66 | 4.68 |
| | 14°F (-10.0°C) | 33385 | 32717 | 32554 | 32423 | 32132 | 4.60 | 4.63 | 4.64 | 4.65 | 4.67 |
| | 17°F (-8.3°C) | 34234 | 33549 | 33382 | 33248 | 32949 | 4.59 | 4.63 | 4.64 | 4.65 | 4.67 |
| | 22°F (-5.6°C) | 31809 | 31173 | 31017 | 30893 | 30615 | 4.21 | 4.25 | 4.25 | 4.26 | 4.28 |
| | 27°F (-2.8°C) | 29384 | 28796 | 28652 | 28537 | 28281 | 3.83 | 3.86 | 3.87 | 3.88 | 3.89 |
| | 32°F (0.0°C) | 26958 | 26419 | 26287 | 26182 | 25946 | 3.45 | 3.48 | 3.49 | 3.49 | 3.51 |
| | 35°F (1.7°C) | 25503 | 24993 | 24868 | 24769 | 24546 | 3.22 | 3.25 | 3.26 | 3.26 | 3.27 |
| | 37°F (2.8°C) | 27801 | 27245 | 27108 | 27000 | 26757 | 3.34 | 3.37 | 3.38 | 3.38 | 3.40 |
| | 42°F (5.6°C) | 33544 | 32874 | 32709 | 32578 | 32285 | 3.65 | 3.68 | 3.69 | 3.69 | 3.71 |
| | 44.6°F (7.0°C) | 35842 | 35125 | 34949 | 34810 | 34496 | 3.77 | 3.80 | 3.81 | 3.82 | 3.83 |
| | 47°F (8.3°C) | 39288 | 38502 | 38310 | 38157 | 37813 | 3.95 | 3.98 | 3.99 | 4.00 | 4.02 |
| | 52°F (11.1°C) | 40585 | 39773 | 39574 | 39416 | 39061 | 3.79 | 3.82 | 3.83 | 3.84 | 3.86 |
| | 57F (13.9°C) | 41882 | 41044 | 40839 | 40675 | 40309 | 3.64 | 3.67 | 3.67 | 3.68 | 3.70 |
| | 59°F (15.0°C) | 42400 | 41552 | 41344 | 41179 | 40808 | 3.57 | 3.60 | 3.61 | 3.62 | 3.63 |
| | 62°F (16.7°C) | 43178 | 42315 | 42103 | 41935 | 41557 | 3.48 | 3.51 | 3.51 | 3.52 | 3.53 |
| | 64.4°F (18.0°C) | 43801 | 42925 | 42710 | 42539 | 42156 | 3.40 | 3.43 | 3.44 | 3.44 | 3.46 |
| | 69.8°F (21.0°C) | 43529 | 42659 | 42445 | 42275 | 41895 | 3.23 | 3.26 | 3.26 | 3.27 | 3.28 |
| | 75.2°F (24.0°C) | 33914 | 33235 | 33069 | 32937 | 32640 | 3.06 | 3.09 | 3.09 | 3.10 | 3.11 |

Manufacturer reserves the right to change, at any time, specifications and designs without notice and without obligations.

## Table 39 – 36K Heating — 37MURA + 45MULA (36B)

| AIRFLOW (CFM) | OUTDOOR DB (°F) | HEATING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | TC: Total Heating Capacity (BTU/hr) | | | | | PI: Power Input (kW) | | | | |
| | | Indoor Conditions (DB °F) | | | | | Indoor Conditions (DB °F) | | | | |
| | | 60.8°F (16.0°C) | 68°F (20.0°C) | 70°F (21.1°C) | 71.6°F (22.0°C) | 75.2°F (24.0°C) | 60.8°F (16.0°C) | 68°F (20.0°C) | 70°F (21.1°C) | 71.6°F (22.0°C) | 75.2°F (24.0°C) |
| 684 | -13°F (-25.0°C) | 21790 | 21354 | 21248 | 21163 | 20972 | 3.85 | 3.88 | 3.89 | 3.90 | 3.92 |
| | -4°F (-20.0°C) | 28725 | 28150 | 28010 | 27897 | 27646 | 4.53 | 4.56 | 4.57 | 4.58 | 4.60 |
| | 0°F (-17.8°C) | 31967 | 31327 | 31171 | 31046 | 30767 | 4.61 | 4.65 | 4.66 | 4.67 | 4.69 |
| | 5°F (-15.0°C) | 36019 | 35299 | 35122 | 34982 | 34667 | 4.72 | 4.76 | 4.77 | 4.78 | 4.80 |
| | 14°F (-10.0°C) | 36761 | 36026 | 35846 | 35702 | 35381 | 4.49 | 4.53 | 4.54 | 4.55 | 4.57 |
| | 17°F (-8.3°C) | 37008 | 36268 | 36087 | 35942 | 35619 | 4.42 | 4.45 | 4.46 | 4.47 | 4.49 |
| | 22°F (-5.6°C) | 36786 | 36051 | 35870 | 35727 | 35405 | 4.25 | 4.29 | 4.30 | 4.31 | 4.32 |
| | 27°F (-2.8°C) | 36564 | 35833 | 35654 | 35511 | 35192 | 4.09 | 4.13 | 4.13 | 4.14 | 4.16 |
| | 32°F (0.0°C) | 36343 | 35616 | 35438 | 35296 | 34978 | 3.93 | 3.96 | 3.97 | 3.98 | 3.99 |
| | 35°F (1.7°C) | 36209 | 35485 | 35308 | 35167 | 34850 | 3.83 | 3.86 | 3.87 | 3.88 | 3.89 |
| | 37°F (2.8°C) | 40230 | 39425 | 39228 | 39071 | 38719 | 3.96 | 3.99 | 4.00 | 4.01 | 4.03 |
| | 42°F (5.6°C) | 50281 | 49275 | 49029 | 48833 | 48393 | 4.28 | 4.32 | 4.33 | 4.34 | 4.35 |
| | 44.6°F (7.0°C) | 54301 | 53215 | 52949 | 52737 | 52262 | 4.41 | 4.45 | 4.46 | 4.47 | 4.48 |
| | 47°F (8.3°C) | 60332 | 59125 | 58829 | 58594 | 58067 | 4.61 | 4.64 | 4.65 | 4.66 | 4.68 |
| | 52°F (11.1°C) | 58887 | 57709 | 57421 | 57191 | 56676 | 4.31 | 4.34 | 4.35 | 4.36 | 4.38 |
| | 57F (13.9°C) | 57443 | 56294 | 56012 | 55788 | 55286 | 4.01 | 4.04 | 4.05 | 4.06 | 4.07 |
| | 59°F (15.0°C) | 56865 | 55728 | 55449 | 55227 | 54730 | 3.89 | 3.92 | 3.93 | 3.93 | 3.95 |
| | 62°F (16.7°C) | 55998 | 54878 | 54604 | 54385 | 53896 | 3.71 | 3.74 | 3.75 | 3.75 | 3.77 |
| | 64.4°F (18.0°C) | 55305 | 54199 | 53928 | 53712 | 53229 | 3.56 | 3.59 | 3.60 | 3.61 | 3.62 |
| | 69.8°F (21.0°C) | 58377 | 57210 | 56924 | 56696 | 56186 | 3.24 | 3.27 | 3.27 | 3.28 | 3.29 |
| | 75.2°F (24.0°C) | 52232 | 51188 | 50932 | 50728 | 50272 | 2.92 | 2.94 | 2.95 | 2.95 | 2.96 |
| 912 | -13°F (-25.0°C) | 21619 | 21187 | 21081 | 20997 | 20808 | 3.62 | 3.65 | 3.66 | 3.66 | 3.68 |
| | -4°F (-20.0°C) | 26338 | 25811 | 25682 | 25579 | 25349 | 3.82 | 3.85 | 3.86 | 3.87 | 3.88 |
| | 0°F (-17.8°C) | 27319 | 26773 | 26639 | 26533 | 26294 | 3.89 | 3.92 | 3.93 | 3.93 | 3.95 |
| | 5°F (-15.0°C) | 28546 | 27975 | 27835 | 27724 | 27474 | 3.97 | 4.00 | 4.01 | 4.02 | 4.03 |
| | 14°F (-10.0°C) | 30655 | 30041 | 29891 | 29772 | 29504 | 4.06 | 4.09 | 4.10 | 4.10 | 4.12 |
| | 17°F (-8.3°C) | 31357 | 30730 | 30577 | 30454 | 30180 | 4.08 | 4.12 | 4.13 | 4.13 | 4.15 |
| | 22°F (-5.6°C) | 29793 | 29197 | 29051 | 28935 | 28674 | 3.76 | 3.79 | 3.79 | 3.80 | 3.82 |
| | 27°F (-2.8°C) | 28228 | 27663 | 27525 | 27415 | 27168 | 3.43 | 3.46 | 3.46 | 3.47 | 3.48 |
| | 32°F (0.0°C) | 26663 | 26130 | 25999 | 25895 | 25662 | 3.10 | 3.12 | 3.13 | 3.14 | 3.15 |
| | 35°F (1.7°C) | 25725 | 25210 | 25084 | 24984 | 24759 | 2.90 | 2.93 | 2.93 | 2.94 | 2.95 |
| | 37°F (2.8°C) | 28682 | 28108 | 27968 | 27856 | 27605 | 3.04 | 3.06 | 3.07 | 3.07 | 3.09 |
| | 42°F (5.6°C) | 36076 | 35354 | 35178 | 35037 | 34722 | 3.37 | 3.40 | 3.41 | 3.41 | 3.43 |
| | 44.6°F (7.0°C) | 39033 | 38253 | 38061 | 37909 | 37568 | 3.51 | 3.54 | 3.54 | 3.55 | 3.57 |
| | 47°F (8.3°C) | 43470 | 42600 | 42387 | 42218 | 41838 | 3.71 | 3.74 | 3.75 | 3.76 | 3.77 |
| | 52°F (11.1°C) | 43565 | 42693 | 42480 | 42310 | 41929 | 3.55 | 3.58 | 3.59 | 3.60 | 3.61 |
| | 57F (13.9°C) | 43660 | 42787 | 42573 | 42402 | 42021 | 3.40 | 3.42 | 3.43 | 3.44 | 3.45 |
| | 59°F (15.0°C) | 43698 | 42824 | 42610 | 42439 | 42057 | 3.33 | 3.36 | 3.37 | 3.37 | 3.39 |
| | 62°F (16.7°C) | 43755 | 42880 | 42665 | 42495 | 42112 | 3.24 | 3.27 | 3.27 | 3.28 | 3.29 |
| | 64.4°F (18.0°C) | 43801 | 42925 | 42710 | 42539 | 42156 | 3.16 | 3.19 | 3.20 | 3.20 | 3.21 |
| | 69.8°F (21.0°C) | 45180 | 44276 | 44055 | 43878 | 43484 | 2.99 | 3.02 | 3.02 | 3.03 | 3.04 |
| | 75.2°F (24.0°C) | 35567 | 34855 | 34681 | 34542 | 34232 | 2.82 | 2.85 | 2.85 | 2.86 | 2.87 |

## Table 40 – 36K Heating — 37MURA + 45MULA (36C)

| AIRFLOW (CFM) | OUTDOOR DB (°F) | HEATING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | TC: Total Heating Capacity (BTU/hr) | | | | | PI: Power Input (kW) | | | | |
| | | Indoor Conditions (DB °F) | | | | | Indoor Conditions (DB °F) | | | | |
| | | 60.8°F (16.0°C) | 68°F (20.0°C) | 70°F (21.1°C) | 71.6°F (22.0°C) | 75.2°F (24.0°C) | 60.8°F (16.0°C) | 68°F (20.0°C) | 70°F (21.1°C) | 71.6°F (22.0°C) | 75.2°F (24.0°C) |
| 684 | -13°F (-25.0°C) | 21790 | 21354 | 21248 | 21163 | 20972 | 3.85 | 3.88 | 3.89 | 3.90 | 3.92 |
| | -4°F (-20.0°C) | 28725 | 28150 | 28010 | 27897 | 27646 | 4.53 | 4.56 | 4.57 | 4.58 | 4.60 |
| | 0°F (-17.8°C) | 31967 | 31327 | 31171 | 31046 | 30767 | 4.61 | 4.65 | 4.66 | 4.67 | 4.69 |
| | 5°F (-15.0°C) | 36019 | 35299 | 35122 | 34982 | 34667 | 4.72 | 4.76 | 4.77 | 4.78 | 4.80 |
| | 14°F (-10.0°C) | 36761 | 36026 | 35846 | 35702 | 35381 | 4.49 | 4.53 | 4.54 | 4.55 | 4.57 |
| | 17°F (-8.3°C) | 37008 | 36268 | 36087 | 35942 | 35619 | 4.42 | 4.45 | 4.46 | 4.47 | 4.49 |
| | 22°F (-5.6°C) | 36786 | 36051 | 35870 | 35727 | 35405 | 4.25 | 4.29 | 4.30 | 4.31 | 4.32 |
| | 27°F (-2.8°C) | 36564 | 35833 | 35654 | 35511 | 35192 | 4.09 | 4.13 | 4.13 | 4.14 | 4.16 |
| | 32°F (0.0°C) | 36343 | 35616 | 35438 | 35296 | 34978 | 3.93 | 3.96 | 3.97 | 3.98 | 3.99 |
| | 35°F (1.7°C) | 36209 | 35485 | 35308 | 35167 | 34850 | 3.83 | 3.86 | 3.87 | 3.88 | 3.89 |
| | 37°F (2.8°C) | 40230 | 39425 | 39228 | 39071 | 38719 | 3.96 | 3.99 | 4.00 | 4.01 | 4.03 |
| | 42°F (5.6°C) | 50281 | 49275 | 49029 | 48833 | 48393 | 4.28 | 4.32 | 4.33 | 4.34 | 4.35 |
| | 44.6°F (7.0°C) | 54301 | 53215 | 52949 | 52737 | 52262 | 4.41 | 4.45 | 4.46 | 4.47 | 4.48 |
| | 47°F (8.3°C) | 60332 | 59125 | 58829 | 58594 | 58067 | 4.61 | 4.64 | 4.65 | 4.66 | 4.68 |
| | 52°F (11.1°C) | 58887 | 57709 | 57421 | 57191 | 56676 | 4.31 | 4.34 | 4.35 | 4.36 | 4.38 |
| | 57F (13.9°C) | 57443 | 56294 | 56012 | 55788 | 55286 | 4.01 | 4.04 | 4.05 | 4.06 | 4.07 |
| | 59°F (15.0°C) | 56865 | 55728 | 55449 | 55227 | 54730 | 3.89 | 3.92 | 3.93 | 3.93 | 3.95 |
| | 62°F (16.7°C) | 55998 | 54878 | 54604 | 54385 | 53896 | 3.71 | 3.74 | 3.75 | 3.75 | 3.77 |
| | 64.4°F (18.0°C) | 55305 | 54199 | 53928 | 53712 | 53229 | 3.56 | 3.59 | 3.60 | 3.61 | 3.62 |
| | 69.8°F (21.0°C) | 58377 | 57210 | 56924 | 56696 | 56186 | 3.24 | 3.27 | 3.27 | 3.28 | 3.29 |
| | 75.2°F (24.0°C) | 52232 | 51188 | 50932 | 50728 | 50272 | 2.92 | 2.94 | 2.95 | 2.95 | 2.96 |
| 912 | -13°F (-25.0°C) | 21619 | 21187 | 21081 | 20997 | 20808 | 3.62 | 3.65 | 3.66 | 3.66 | 3.68 |
| | -4°F (-20.0°C) | 26338 | 25811 | 25682 | 25579 | 25349 | 3.82 | 3.85 | 3.86 | 3.87 | 3.88 |
| | 0°F (-17.8°C) | 27319 | 26773 | 26639 | 26533 | 26294 | 3.89 | 3.92 | 3.93 | 3.93 | 3.95 |
| | 5°F (-15.0°C) | 28546 | 27975 | 27835 | 27724 | 27474 | 3.97 | 4.00 | 4.01 | 4.02 | 4.03 |
| | 14°F (-10.0°C) | 30655 | 30041 | 29891 | 29772 | 29504 | 4.06 | 4.09 | 4.10 | 4.10 | 4.12 |
| | 17°F (-8.3°C) | 31357 | 30730 | 30577 | 30454 | 30180 | 4.08 | 4.12 | 4.13 | 4.13 | 4.15 |
| | 22°F (-5.6°C) | 29793 | 29197 | 29051 | 28935 | 28674 | 3.76 | 3.79 | 3.79 | 3.80 | 3.82 |
| | 27°F (-2.8°C) | 28228 | 27663 | 27525 | 27415 | 27168 | 3.43 | 3.46 | 3.46 | 3.47 | 3.48 |
| | 32°F (0.0°C) | 26663 | 26130 | 25999 | 25895 | 25662 | 3.10 | 3.12 | 3.13 | 3.14 | 3.15 |
| | 35°F (1.7°C) | 25725 | 25210 | 25084 | 24984 | 24759 | 2.90 | 2.93 | 2.93 | 2.94 | 2.95 |
| | 37°F (2.8°C) | 28682 | 28108 | 27968 | 27856 | 27605 | 3.04 | 3.06 | 3.07 | 3.07 | 3.09 |
| | 42°F (5.6°C) | 36076 | 35354 | 35178 | 35037 | 34722 | 3.37 | 3.40 | 3.41 | 3.41 | 3.43 |
| | 44.6°F (7.0°C) | 39033 | 38253 | 38061 | 37909 | 37568 | 3.51 | 3.54 | 3.54 | 3.55 | 3.57 |
| | 47°F (8.3°C) | 43470 | 42600 | 42387 | 42218 | 41838 | 3.71 | 3.74 | 3.75 | 3.76 | 3.77 |
| | 52°F (11.1°C) | 43565 | 42693 | 42480 | 42310 | 41929 | 3.55 | 3.58 | 3.59 | 3.60 | 3.61 |
| | 57F (13.9°C) | 43660 | 42787 | 42573 | 42402 | 42021 | 3.40 | 3.42 | 3.43 | 3.44 | 3.45 |
| | 59°F (15.0°C) | 43698 | 42824 | 42610 | 42439 | 42057 | 3.33 | 3.36 | 3.37 | 3.37 | 3.39 |
| | 62°F (16.7°C) | 43755 | 42880 | 42665 | 42495 | 42112 | 3.24 | 3.27 | 3.27 | 3.28 | 3.29 |
| | 64.4°F (18.0°C) | 43801 | 42925 | 42710 | 42539 | 42156 | 3.16 | 3.19 | 3.20 | 3.20 | 3.21 |
| | 69.8°F (21.0°C) | 45180 | 44276 | 44055 | 43878 | 43484 | 2.99 | 3.02 | 3.02 | 3.03 | 3.04 |
| | 75.2°F (24.0°C) | 35567 | 34855 | 34681 | 34542 | 34232 | 2.82 | 2.85 | 2.85 | 2.86 | 2.87 |

## Table 41 – 48K Heating — 37MURA + 45MULA (60C)

| AIRFLOW (CFM) | OUTDOOR DB (°F) | HEATING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | TC: Total Heating Capacity (BTU/hr) | | | | | PI: Power Input (kW) | | | | |
| | | Indoor Conditions (DB °F) | | | | | Indoor Conditions (DB °F) | | | | |
| | | 60.8°F (16.0°C) | 68°F (20.0°C) | 70°F (21.1°C) | 71.6°F (22.0°C) | 75.2°F (24.0°C) | 60.8°F (16.0°C) | 68°F (20.0°C) | 70°F (21.1°C) | 71.6°F (22.0°C) | 75.2°F (24.0°C) |
| 790 | -13°F (-25.0°C) | 21790 | 21354 | 21248 | 21163 | 20972 | 3.85 | 3.88 | 3.89 | 3.90 | 3.92 |
| | -4°F (-20.0°C) | 28725 | 28150 | 28010 | 27897 | 27646 | 4.53 | 4.56 | 4.57 | 4.58 | 4.60 |
| | 0°F (-17.8°C) | 31967 | 31327 | 31171 | 31046 | 30767 | 4.61 | 4.65 | 4.66 | 4.67 | 4.69 |
| | 5°F (-15.0°C) | 36019 | 35299 | 35122 | 34982 | 34667 | 4.72 | 4.76 | 4.77 | 4.78 | 4.80 |
| | 14°F (-10.0°C) | 36761 | 36026 | 35846 | 35702 | 35381 | 4.49 | 4.53 | 4.54 | 4.55 | 4.57 |
| | 17°F (-8.3°C) | 37008 | 36268 | 36087 | 35942 | 35619 | 4.42 | 4.45 | 4.46 | 4.47 | 4.49 |
| | 22°F (-5.6°C) | 36786 | 36051 | 35870 | 35727 | 35405 | 4.25 | 4.29 | 4.30 | 4.31 | 4.32 |
| | 27°F (-2.8°C) | 36564 | 35833 | 35654 | 35511 | 35192 | 4.09 | 4.13 | 4.13 | 4.14 | 4.16 |
| | 32°F (0.0°C) | 36343 | 35616 | 35438 | 35296 | 34978 | 3.93 | 3.96 | 3.97 | 3.98 | 3.99 |
| | 35°F (1.7°C) | 36209 | 35485 | 35308 | 35167 | 34850 | 3.83 | 3.86 | 3.87 | 3.88 | 3.89 |
| | 37°F (2.8°C) | 40230 | 39425 | 39228 | 39071 | 38719 | 3.96 | 3.99 | 4.00 | 4.01 | 4.03 |
| | 42°F (5.6°C) | 50281 | 49275 | 49029 | 48833 | 48393 | 4.28 | 4.32 | 4.33 | 4.34 | 4.35 |
| | 44.6°F (7.0°C) | 54301 | 53215 | 52949 | 52737 | 52262 | 4.41 | 4.45 | 4.46 | 4.47 | 4.48 |
| | 47°F (8.3°C) | 60332 | 59125 | 58829 | 58594 | 58067 | 4.61 | 4.64 | 4.65 | 4.66 | 4.68 |
| | 52°F (11.1°C) | 58887 | 57709 | 57421 | 57191 | 56676 | 4.31 | 4.34 | 4.35 | 4.36 | 4.38 |
| | 57F (13.9°C) | 57443 | 56294 | 56012 | 55788 | 55286 | 4.01 | 4.04 | 4.05 | 4.06 | 4.07 |
| | 59°F (15.0°C) | 56865 | 55728 | 55449 | 55227 | 54730 | 3.89 | 3.92 | 3.93 | 3.93 | 3.95 |
| | 62°F (16.7°C) | 55998 | 54878 | 54604 | 54385 | 53896 | 3.71 | 3.74 | 3.75 | 3.75 | 3.77 |
| | 64.4°F (18.0°C) | 55305 | 54199 | 53928 | 53712 | 53229 | 3.56 | 3.59 | 3.60 | 3.61 | 3.62 |
| | 69.8°F (21.0°C) | 58377 | 57210 | 56924 | 56696 | 56186 | 3.24 | 3.27 | 3.27 | 3.28 | 3.29 |
| | 75.2°F (24.0°C) | 52232 | 51188 | 50932 | 50728 | 50272 | 2.92 | 2.94 | 2.95 | 2.95 | 2.96 |
| 1050 | -13°F (-25.0°C) | 34551 | 33860 | 33691 | 33556 | 33254 | 5.71 | 5.76 | 5.77 | 5.78 | 5.80 |
| | -4°F (-20.0°C) | 41201 | 40377 | 40175 | 40014 | 39654 | 6.21 | 6.26 | 6.27 | 6.29 | 6.31 |
| | 0°F (-17.8°C) | 42595 | 41743 | 41534 | 41368 | 40996 | 6.27 | 6.32 | 6.34 | 6.35 | 6.37 |
| | 5°F (-15.0°C) | 44337 | 43450 | 43233 | 43060 | 42672 | 6.35 | 6.40 | 6.41 | 6.43 | 6.45 |
| | 14°F (-10.0°C) | 40214 | 39409 | 39212 | 39056 | 38704 | 5.12 | 5.16 | 5.18 | 5.19 | 5.21 |
| | 17°F (-8.3°C) | 38839 | 38063 | 37872 | 37721 | 37381 | 4.72 | 4.75 | 4.76 | 4.77 | 4.79 |
| | 22°F (-5.6°C) | 39011 | 38230 | 38039 | 37887 | 37546 | 4.72 | 4.76 | 4.77 | 4.78 | 4.80 |
| | 27°F (-2.8°C) | 39182 | 38398 | 38206 | 38054 | 37711 | 4.73 | 4.76 | 4.77 | 4.78 | 4.80 |
| | 32°F (0.0°C) | 39353 | 38566 | 38373 | 38220 | 37876 | 4.73 | 4.77 | 4.78 | 4.79 | 4.81 |
| | 35°F (1.7°C) | 39456 | 38667 | 38474 | 38320 | 37975 | 4.74 | 4.77 | 4.78 | 4.79 | 4.81 |
| | 37°F (2.8°C) | 41628 | 40795 | 40591 | 40429 | 40065 | 4.75 | 4.79 | 4.80 | 4.80 | 4.82 |
| | 42°F (5.6°C) | 47057 | 46116 | 45886 | 45702 | 45291 | 4.77 | 4.81 | 4.82 | 4.83 | 4.85 |
| | 44.6°F (7.0°C) | 49229 | 48245 | 48003 | 47811 | 47381 | 4.79 | 4.82 | 4.83 | 4.84 | 4.86 |
| | 47°F (8.3°C) | 52487 | 51437 | 51180 | 50975 | 50517 | 4.80 | 4.84 | 4.85 | 4.86 | 4.88 |
| | 52°F (11.1°C) | 50170 | 49166 | 48921 | 48725 | 48286 | 4.32 | 4.35 | 4.36 | 4.37 | 4.39 |
| | 57F (13.9°C) | 47853 | 46896 | 46661 | 46475 | 46056 | 3.83 | 3.86 | 3.87 | 3.88 | 3.89 |
| | 59°F (15.0°C) | 46926 | 45987 | 45758 | 45574 | 45164 | 3.63 | 3.66 | 3.67 | 3.68 | 3.69 |
| | 62°F (16.7°C) | 45536 | 44625 | 44402 | 44224 | 43826 | 3.34 | 3.37 | 3.38 | 3.38 | 3.40 |
| | 64.4°F (18.0°C) | 44424 | 43535 | 43317 | 43144 | 42756 | 3.11 | 3.13 | 3.14 | 3.15 | 3.16 |
| | 69.8°F (21.0°C) | 41921 | 41083 | 40877 | 40714 | 40347 | 2.58 | 2.60 | 2.61 | 2.61 | 2.63 |
| | 75.2°F (24.0°C) | 39419 | 38630 | 38437 | 38283 | 37939 | 2.06 | 2.07 | 2.08 | 2.08 | 2.09 |

## Table 42 – 48K Heating — 37MURA + 45MULA (60D)

| AIRFLOW (CFM) | HEATING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | OUTDOOR DB (°F) | TC: Total Heating Capacity (BTU/hr) | | | | | PI: Power Input (kW) | | | | |
| | | Indoor Conditions (DB °F) | | | | | Indoor Conditions (DB °F) | | | | |
| | | 60.8°F (16.0°C) | 68°F (20.0°C) | 70°F (21.1°C) | 71.6°F (22.0°C) | 75.2°F (24.0°C) | 60.8°F (16.0°C) | 68°F (20.0°C) | 70°F (21.1°C) | 71.6°F (22.0°C) | 75.2°F (24.0°C) |
| 790 | -13°F (-25.0°C) | 21790 | 21354 | 21248 | 21163 | 20972 | 3.85 | 3.88 | 3.89 | 3.90 | 3.92 |
| | -4°F (-20.0°C) | 28725 | 28150 | 28010 | 27897 | 27646 | 4.53 | 4.56 | 4.57 | 4.58 | 4.60 |
| | 0°F (-17.8°C) | 31967 | 31327 | 31171 | 31046 | 30767 | 4.61 | 4.65 | 4.66 | 4.67 | 4.69 |
| | 5°F (-15.0°C) | 36019 | 35299 | 35122 | 34982 | 34667 | 4.72 | 4.76 | 4.77 | 4.78 | 4.80 |
| | 14°F (-10.0°C) | 36761 | 36026 | 35846 | 35702 | 35381 | 4.49 | 4.53 | 4.54 | 4.55 | 4.57 |
| | 17°F (-8.3°C) | 37008 | 36268 | 36087 | 35942 | 35619 | 4.42 | 4.45 | 4.46 | 4.47 | 4.49 |
| | 22°F (-5.6°C) | 36786 | 36051 | 35870 | 35727 | 35405 | 4.25 | 4.29 | 4.30 | 4.31 | 4.32 |
| | 27°F (-2.8°C) | 36564 | 35833 | 35654 | 35511 | 35192 | 4.09 | 4.13 | 4.13 | 4.14 | 4.16 |
| | 32°F (0.0°C) | 36343 | 35616 | 35438 | 35296 | 34978 | 3.93 | 3.96 | 3.97 | 3.98 | 3.99 |
| | 35°F (1.7°C) | 36209 | 35485 | 35308 | 35167 | 34850 | 3.83 | 3.86 | 3.87 | 3.88 | 3.89 |
| | 37°F (2.8°C) | 40230 | 39425 | 39228 | 39071 | 38719 | 3.96 | 3.99 | 4.00 | 4.01 | 4.03 |
| | 42°F (5.6°C) | 50281 | 49275 | 49029 | 48833 | 48393 | 4.28 | 4.32 | 4.33 | 4.34 | 4.35 |
| | 44.6°F (7.0°C) | 54301 | 53215 | 52949 | 52737 | 52262 | 4.41 | 4.45 | 4.46 | 4.47 | 4.48 |
| | 47°F (8.3°C) | 60332 | 59125 | 58829 | 58594 | 58067 | 4.61 | 4.64 | 4.65 | 4.66 | 4.68 |
| | 52°F (11.1°C) | 58887 | 57709 | 57421 | 57191 | 56676 | 4.31 | 4.34 | 4.35 | 4.36 | 4.38 |
| | 57F (13.9°C) | 57443 | 56294 | 56012 | 55788 | 55286 | 4.01 | 4.04 | 4.05 | 4.06 | 4.07 |
| | 59°F (15.0°C) | 56865 | 55728 | 55449 | 55227 | 54730 | 3.89 | 3.92 | 3.93 | 3.93 | 3.95 |
| | 62°F (16.7°C) | 55998 | 54878 | 54604 | 54385 | 53896 | 3.71 | 3.74 | 3.75 | 3.75 | 3.77 |
| | 64.4°F (18.0°C) | 55305 | 54199 | 53928 | 53712 | 53229 | 3.56 | 3.59 | 3.60 | 3.61 | 3.62 |
| | 69.8°F (21.0°C) | 58377 | 57210 | 56924 | 56696 | 56186 | 3.24 | 3.27 | 3.27 | 3.28 | 3.29 |
| | 75.2°F (24.0°C) | 52232 | 51188 | 50932 | 50728 | 50272 | 2.92 | 2.94 | 2.95 | 2.95 | 2.96 |
| 1050 | -13°F (-25.0°C) | 35327 | 34620 | 34447 | 34309 | 34001 | 6.08 | 6.13 | 6.14 | 6.15 | 6.18 |
| | -4°F (-20.0°C) | 39295 | 38509 | 38316 | 38163 | 37819 | 6.29 | 6.34 | 6.35 | 6.37 | 6.39 |
| | 0°F (-17.8°C) | 41597 | 40765 | 40561 | 40399 | 40036 | 6.52 | 6.58 | 6.59 | 6.60 | 6.63 |
| | 5°F (-15.0°C) | 44476 | 43586 | 43368 | 43195 | 42806 | 6.82 | 6.87 | 6.88 | 6.90 | 6.93 |
| | 14°F (-10.0°C) | 47961 | 47002 | 46767 | 46580 | 46160 | 6.89 | 6.94 | 6.96 | 6.97 | 7.00 |
| | 17°F (-8.3°C) | 49123 | 48140 | 47900 | 47708 | 47279 | 6.91 | 6.97 | 6.98 | 7.00 | 7.02 |
| | 22°F (-5.6°C) | 42860 | 42002 | 41792 | 41625 | 41251 | 5.90 | 5.95 | 5.96 | 5.98 | 6.00 |
| | 27°F (-2.8°C) | 36596 | 35864 | 35685 | 35542 | 35223 | 4.90 | 4.94 | 4.95 | 4.95 | 4.97 |
| | 32°F (0.0°C) | 30333 | 29727 | 29578 | 29460 | 29194 | 3.89 | 3.92 | 3.93 | 3.93 | 3.95 |
| | 35°F (1.7°C) | 26575 | 26044 | 25914 | 25810 | 25578 | 3.28 | 3.31 | 3.32 | 3.32 | 3.34 |
| | 37°F (2.8°C) | 30858 | 30241 | 30090 | 29969 | 29700 | 3.54 | 3.57 | 3.58 | 3.58 | 3.60 |
| | 42°F (5.6°C) | 41565 | 40733 | 40530 | 40368 | 40004 | 4.18 | 4.22 | 4.22 | 4.23 | 4.25 |
| | 44.6°F (7.0°C) | 45847 | 44930 | 44706 | 44527 | 44126 | 4.44 | 4.47 | 4.48 | 4.49 | 4.51 |
| | 47°F (8.3°C) | 52271 | 51226 | 50970 | 50766 | 50309 | 4.82 | 4.86 | 4.87 | 4.88 | 4.90 |
| | 52°F (11.1°C) | 50562 | 49550 | 49303 | 49105 | 48663 | 4.35 | 4.38 | 4.39 | 4.40 | 4.42 |
| | 57F (13.9°C) | 48852 | 47875 | 47635 | 47445 | 47018 | 3.87 | 3.90 | 3.91 | 3.92 | 3.93 |
| | 59°F (15.0°C) | 48168 | 47205 | 46969 | 46781 | 46360 | 3.68 | 3.71 | 3.72 | 3.73 | 3.74 |
| | 62°F (16.7°C) | 47142 | 46199 | 45968 | 45784 | 45372 | 3.40 | 3.42 | 3.43 | 3.44 | 3.45 |
| | 64.4°F (18.0°C) | 46321 | 45395 | 45168 | 44987 | 44582 | 3.17 | 3.19 | 3.20 | 3.21 | 3.22 |
| | 69.8°F (21.0°C) | 44475 | 43585 | 43368 | 43194 | 42805 | 2.65 | 2.67 | 2.68 | 2.69 | 2.70 |
| | 75.2°F (24.0°C) | 42628 | 41776 | 41567 | 41401 | 41028 | 2.14 | 2.16 | 2.16 | 2.16 | 2.17 |

## Table 43 – 54K Heating — 37MURA + 45MULA (60C)

| AIRFLOW (CFM) | OUTDOOR DB (°F) | HEATING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | TC: Total Heating Capacity (BTU/hr) | | | | | PI: Power Input (kW) | | | | |
| | | Indoor Conditions (DB °F) | | | | | Indoor Conditions (DB °F) | | | | |
| | | 60.8°F (16.0°C) | 68°F (20.0°C) | 70°F (21.1°C) | 71.6°F (22.0°C) | 75.2°F (24.0°C) | 60.8°F (16.0°C) | 68°F (20.0°C) | 70°F (21.1°C) | 71.6°F (22.0°C) | 75.2°F (24.0°C) |
| 785 | -13°F (-25.0°C) | 21790 | 21354 | 21248 | 21163 | 20972 | 3.85 | 3.88 | 3.89 | 3.90 | 3.92 |
| | -4°F (-20.0°C) | 28725 | 28150 | 28010 | 27897 | 27646 | 4.53 | 4.56 | 4.57 | 4.58 | 4.60 |
| | 0°F (-17.8°C) | 31967 | 31327 | 31171 | 31046 | 30767 | 4.61 | 4.65 | 4.66 | 4.67 | 4.69 |
| | 5°F (-15.0°C) | 36019 | 35299 | 35122 | 34982 | 34667 | 4.72 | 4.76 | 4.77 | 4.78 | 4.80 |
| | 14°F (-10.0°C) | 36761 | 36026 | 35846 | 35702 | 35381 | 4.49 | 4.53 | 4.54 | 4.55 | 4.57 |
| | 17°F (-8.3°C) | 37008 | 36268 | 36087 | 35942 | 35619 | 4.42 | 4.45 | 4.46 | 4.47 | 4.49 |
| | 22°F (-5.6°C) | 36786 | 36051 | 35870 | 35727 | 35405 | 4.25 | 4.29 | 4.30 | 4.31 | 4.32 |
| | 27°F (-2.8°C) | 36564 | 35833 | 35654 | 35511 | 35192 | 4.09 | 4.13 | 4.13 | 4.14 | 4.16 |
| | 32°F (0.0°C) | 36343 | 35616 | 35438 | 35296 | 34978 | 3.93 | 3.96 | 3.97 | 3.98 | 3.99 |
| | 35°F (1.7°C) | 36209 | 35485 | 35308 | 35167 | 34850 | 3.83 | 3.86 | 3.87 | 3.88 | 3.89 |
| | 37°F (2.8°C) | 40230 | 39425 | 39228 | 39071 | 38719 | 3.96 | 3.99 | 4.00 | 4.01 | 4.03 |
| | 42°F (5.6°C) | 50281 | 49275 | 49029 | 48833 | 48393 | 4.28 | 4.32 | 4.33 | 4.34 | 4.35 |
| | 44.6°F (7.0°C) | 54301 | 53215 | 52949 | 52737 | 52262 | 4.41 | 4.45 | 4.46 | 4.47 | 4.48 |
| | 47°F (8.3°C) | 60332 | 59125 | 58829 | 58594 | 58067 | 4.61 | 4.64 | 4.65 | 4.66 | 4.68 |
| | 52°F (11.1°C) | 58887 | 57709 | 57421 | 57191 | 56676 | 4.31 | 4.34 | 4.35 | 4.36 | 4.38 |
| | 57F (13.9°C) | 57443 | 56294 | 56012 | 55788 | 55286 | 4.01 | 4.04 | 4.05 | 4.06 | 4.07 |
| | 59°F (15.0°C) | 56865 | 55728 | 55449 | 55227 | 54730 | 3.89 | 3.92 | 3.93 | 3.93 | 3.95 |
| | 62°F (16.7°C) | 55998 | 54878 | 54604 | 54385 | 53896 | 3.71 | 3.74 | 3.75 | 3.75 | 3.77 |
| | 64.4°F (18.0°C) | 55305 | 54199 | 53928 | 53712 | 53229 | 3.56 | 3.59 | 3.60 | 3.61 | 3.62 |
| | 69.8°F (21.0°C) | 58377 | 57210 | 56924 | 56696 | 56186 | 3.24 | 3.27 | 3.27 | 3.28 | 3.29 |
| | 75.2°F (24.0°C) | 52232 | 51188 | 50932 | 50728 | 50272 | 2.92 | 2.94 | 2.95 | 2.95 | 2.96 |
| 1047 | -13°F (-25.0°C) | 28990 | 28410 | 28268 | 28155 | 27902 | 5.43 | 5.48 | 5.49 | 5.50 | 5.52 |
| | -4°F (-20.0°C) | 33896 | 33218 | 33052 | 32920 | 32624 | 5.88 | 5.92 | 5.94 | 5.95 | 5.97 |
| | 0°F (-17.8°C) | 36411 | 35683 | 35504 | 35362 | 35044 | 6.08 | 6.13 | 6.15 | 6.16 | 6.18 |
| | 5°F (-15.0°C) | 39554 | 38763 | 38570 | 38415 | 38070 | 6.34 | 6.39 | 6.41 | 6.42 | 6.45 |
| | 14°F (-10.0°C) | 43055 | 42194 | 41983 | 41815 | 41439 | 6.29 | 6.34 | 6.35 | 6.36 | 6.39 |
| | 17°F (-8.3°C) | 44222 | 43338 | 43121 | 42948 | 42562 | 6.27 | 6.32 | 6.33 | 6.34 | 6.37 |
| | 22°F (-5.6°C) | 43222 | 42357 | 42146 | 41977 | 41599 | 6.02 | 6.07 | 6.08 | 6.09 | 6.11 |
| | 27°F (-2.8°C) | 42222 | 41377 | 41170 | 41006 | 40637 | 5.77 | 5.81 | 5.82 | 5.84 | 5.86 |
| | 32°F (0.0°C) | 41221 | 40397 | 40195 | 40034 | 39674 | 5.51 | 5.56 | 5.57 | 5.58 | 5.60 |
| | 35°F (1.7°C) | 40621 | 39809 | 39610 | 39451 | 39096 | 5.36 | 5.41 | 5.42 | 5.43 | 5.45 |
| | 37°F (2.8°C) | 42468 | 41619 | 41411 | 41245 | 40874 | 5.31 | 5.35 | 5.36 | 5.37 | 5.39 |
| | 42°F (5.6°C) | 47086 | 46144 | 45913 | 45730 | 45318 | 5.16 | 5.21 | 5.22 | 5.23 | 5.25 |
| | 44.6°F (7.0°C) | 48933 | 47954 | 47714 | 47523 | 47096 | 5.11 | 5.15 | 5.16 | 5.17 | 5.19 |
| | 47°F (8.3°C) | 51703 | 50669 | 50416 | 50214 | 49762 | 5.02 | 5.06 | 5.07 | 5.08 | 5.10 |
| | 52°F (11.1°C) | 51561 | 50530 | 50277 | 50076 | 49626 | 4.69 | 4.73 | 4.74 | 4.74 | 4.76 |
| | 57F (13.9°C) | 51420 | 50391 | 50139 | 49939 | 49489 | 4.35 | 4.39 | 4.40 | 4.41 | 4.42 |
| | 59°F (15.0°C) | 51363 | 50336 | 50084 | 49884 | 49435 | 4.22 | 4.25 | 4.26 | 4.27 | 4.29 |
| | 62°F (16.7°C) | 51278 | 50252 | 50001 | 49801 | 49353 | 4.02 | 4.05 | 4.06 | 4.07 | 4.08 |
| | 64.4°F (18.0°C) | 51210 | 50186 | 49935 | 49735 | 49287 | 3.86 | 3.89 | 3.90 | 3.91 | 3.92 |
| | 69.8°F (21.0°C) | 47903 | 46945 | 46710 | 46523 | 46105 | 3.50 | 3.53 | 3.53 | 3.54 | 3.55 |
| | 75.2°F (24.0°C) | 42994 | 42134 | 41923 | 41756 | 41380 | 3.14 | 3.16 | 3.17 | 3.18 | 3.19 |

## Table 44 – 54K Heating — 37MURA + 45MULA (60D)

| AIRFLOW (CFM) | OUTDOOR DB (°F) | HEATING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | TC: Total Heating Capacity (BTU/hr) | | | | | PI: Power Input (kW) | | | | |
| | | Indoor Conditions (DB °F) | | | | | Indoor Conditions (DB °F) | | | | |
| | | 60.8°F (16.0°C) | 68°F (20.0°C) | 70°F (21.1°C) | 71.6°F (22.0°C) | 75.2°F (24.0°C) | 60.8°F (16.0°C) | 68°F (20.0°C) | 70°F (21.1°C) | 71.6°F (22.0°C) | 75.2°F (24.0°C) |
| 785 | -13°F (-25.0°C) | 21790 | 21354 | 21248 | 21163 | 20972 | 3.85 | 3.88 | 3.89 | 3.90 | 3.92 |
| | -4°F (-20.0°C) | 28725 | 28150 | 28010 | 27897 | 27646 | 4.53 | 4.56 | 4.57 | 4.58 | 4.60 |
| | 0°F (-17.8°C) | 31967 | 31327 | 31171 | 31046 | 30767 | 4.61 | 4.65 | 4.66 | 4.67 | 4.69 |
| | 5°F (-15.0°C) | 36019 | 35299 | 35122 | 34982 | 34667 | 4.72 | 4.76 | 4.77 | 4.78 | 4.80 |
| | 14°F (-10.0°C) | 36761 | 36026 | 35846 | 35702 | 35381 | 4.49 | 4.53 | 4.54 | 4.55 | 4.57 |
| | 17°F (-8.3°C) | 37008 | 36268 | 36087 | 35942 | 35619 | 4.42 | 4.45 | 4.46 | 4.47 | 4.49 |
| | 22°F (-5.6°C) | 36786 | 36051 | 35870 | 35727 | 35405 | 4.25 | 4.29 | 4.30 | 4.31 | 4.32 |
| | 27°F (-2.8°C) | 36564 | 35833 | 35654 | 35511 | 35192 | 4.09 | 4.13 | 4.13 | 4.14 | 4.16 |
| | 32°F (0.0°C) | 36343 | 35616 | 35438 | 35296 | 34978 | 3.93 | 3.96 | 3.97 | 3.98 | 3.99 |
| | 35°F (1.7°C) | 36209 | 35485 | 35308 | 35167 | 34850 | 3.83 | 3.86 | 3.87 | 3.88 | 3.89 |
| | 37°F (2.8°C) | 40230 | 39425 | 39228 | 39071 | 38719 | 3.96 | 3.99 | 4.00 | 4.01 | 4.03 |
| | 42°F (5.6°C) | 50281 | 49275 | 49029 | 48833 | 48393 | 4.28 | 4.32 | 4.33 | 4.34 | 4.35 |
| | 44.6°F (7.0°C) | 54301 | 53215 | 52949 | 52737 | 52262 | 4.41 | 4.45 | 4.46 | 4.47 | 4.48 |
| | 47°F (8.3°C) | 60332 | 59125 | 58829 | 58594 | 58067 | 4.61 | 4.64 | 4.65 | 4.66 | 4.68 |
| | 52°F (11.1°C) | 58887 | 57709 | 57421 | 57191 | 56676 | 4.31 | 4.34 | 4.35 | 4.36 | 4.38 |
| | 57F (13.9°C) | 57443 | 56294 | 56012 | 55788 | 55286 | 4.01 | 4.04 | 4.05 | 4.06 | 4.07 |
| | 59°F (15.0°C) | 56865 | 55728 | 55449 | 55227 | 54730 | 3.89 | 3.92 | 3.93 | 3.93 | 3.95 |
| | 62°F (16.7°C) | 55998 | 54878 | 54604 | 54385 | 53896 | 3.71 | 3.74 | 3.75 | 3.75 | 3.77 |
| | 64.4°F (18.0°C) | 55305 | 54199 | 53928 | 53712 | 53229 | 3.56 | 3.59 | 3.60 | 3.61 | 3.62 |
| | 69.8°F (21.0°C) | 58377 | 57210 | 56924 | 56696 | 56186 | 3.24 | 3.27 | 3.27 | 3.28 | 3.29 |
| | 75.2°F (24.0°C) | 52232 | 51188 | 50932 | 50728 | 50272 | 2.92 | 2.94 | 2.95 | 2.95 | 2.96 |
| 1047 | -13°F (-25.0°C) | 29001 | 28421 | 28279 | 28166 | 27912 | 5.48 | 5.53 | 5.54 | 5.55 | 5.57 |
| | -4°F (-20.0°C) | 34816 | 34120 | 33949 | 33814 | 33509 | 5.87 | 5.92 | 5.93 | 5.94 | 5.96 |
| | 0°F (-17.8°C) | 36445 | 35716 | 35537 | 35395 | 35077 | 6.06 | 6.11 | 6.12 | 6.13 | 6.16 |
| | 5°F (-15.0°C) | 38481 | 37711 | 37523 | 37373 | 37036 | 6.29 | 6.34 | 6.36 | 6.37 | 6.40 |
| | 14°F (-10.0°C) | 41115 | 40293 | 40091 | 39931 | 39571 | 6.28 | 6.33 | 6.34 | 6.35 | 6.38 |
| | 17°F (-8.3°C) | 41993 | 41153 | 40947 | 40784 | 40417 | 6.27 | 6.32 | 6.33 | 6.35 | 6.37 |
| | 22°F (-5.6°C) | 41873 | 41035 | 40830 | 40667 | 40301 | 6.07 | 6.12 | 6.13 | 6.14 | 6.17 |
| | 27°F (-2.8°C) | 41752 | 40917 | 40712 | 40550 | 40185 | 5.87 | 5.92 | 5.93 | 5.94 | 5.97 |
| | 32°F (0.0°C) | 41631 | 40799 | 40595 | 40432 | 40069 | 5.67 | 5.72 | 5.73 | 5.74 | 5.77 |
| | 35°F (1.7°C) | 41559 | 40728 | 40524 | 40362 | 39999 | 5.55 | 5.60 | 5.61 | 5.62 | 5.64 |
| | 37°F (2.8°C) | 43319 | 42452 | 42240 | 42071 | 41692 | 5.48 | 5.53 | 5.54 | 5.55 | 5.57 |
| | 42°F (5.6°C) | 47717 | 46763 | 46529 | 46343 | 45926 | 5.31 | 5.35 | 5.36 | 5.37 | 5.39 |
| | 44.6°F (7.0°C) | 49477 | 48487 | 48245 | 48052 | 47619 | 5.24 | 5.28 | 5.29 | 5.30 | 5.32 |
| | 47°F (8.3°C) | 52116 | 51074 | 50818 | 50615 | 50160 | 5.13 | 5.17 | 5.19 | 5.20 | 5.22 |
| | 52°F (11.1°C) | 50910 | 49892 | 49643 | 49444 | 48999 | 4.68 | 4.72 | 4.73 | 4.74 | 4.75 |
| | 57F (13.9°C) | 49705 | 48711 | 48467 | 48273 | 47839 | 4.22 | 4.26 | 4.27 | 4.28 | 4.29 |
| | 59°F (15.0°C) | 49223 | 48238 | 47997 | 47805 | 47375 | 4.04 | 4.08 | 4.08 | 4.09 | 4.11 |
| | 62°F (16.7°C) | 48499 | 47529 | 47292 | 47102 | 46679 | 3.77 | 3.80 | 3.81 | 3.82 | 3.83 |
| | 64.4°F (18.0°C) | 47921 | 46962 | 46727 | 46540 | 46122 | 3.55 | 3.58 | 3.59 | 3.60 | 3.61 |
| | 69.8°F (21.0°C) | 48778 | 47802 | 47563 | 47373 | 46947 | 3.06 | 3.09 | 3.09 | 3.10 | 3.11 |
| | 75.2°F (24.0°C) | 41199 | 40375 | 40173 | 40012 | 39652 | 2.57 | 2.59 | 2.60 | 2.60 | 2.61 |

# APPLICATION DATA

## UNIT SELECTION

Select equipment that either matches or supports slightly more than the anticipated peak load. This provides better humidity control, fewer unit cycles, and less part−load operation.

For units used in spaces with high sensible loads, base equipment selection on unit sensible load, not on total anticipated load. Adjust for anticipated room wet bulb temperature to avoid undersizing the equipment.

## UNIT MOUNTING (OUTDOOR)

Refer to the unit's installation instructions for further details.

**Unit leveling** − For reliable operation, the units should be level in all planes.

**Clearance** − Minimum clearance (Fig. 6) must be provided for airflow. The condensing units are designed for free−flow application. Air inlets and outlets should not be restricted.

**Unit location** − A location which is convenient to installation and not exposed to strong winds. A location that can bear the weight of the outdoor unit and where the outdoor unit can be mounted in a level position.

Do not install the indoor or outdoor units in a location with special environmental conditions. For those applications, contact your sales representative.

## OPERATING RANGE MIN/MAX °F (MIN/MAX °C)

### All High Heat Units:

- **Cooling: -13/130 (-25/55)**
- **Heating: -13/86 (-25/30)**

**NOTE:** Without intervention, the unit may continue to run at temperatures outside of the specified operating temperatures. However, operation outside of the specified temperature range may result in decreased performance and may cause damage to the unit.

## METERING DEVICES

The outdoor unit has an electronic expansion valve to manage the refrigerant flow of the connected fan coil.

## DRAIN CONNECTIONS

Install the drains in accordance with the local sanitation codes.

## REFRIGERANT LINES

### General refrigerant line sizing:

1. The outdoor units are shipped with a full charge of R-454B refrigerant. All charges, line sizing, and capacities are based on runs of 25 ft. (7.6 m). For runs over 25 ft. (7.6 m), review the *Long Line Applications* section for the proper charge adjustments.
2. Refrigerant lines should not be buried in the ground. If it is necessary to bury the lines, do not bury the lines more than 36−in (914 mm). Provide a minimum 6−in (152 mm) vertical rise to the service valves to prevent refrigerant migration.
3. The suction line must be insulated-the liquid line does not require insulation Use a minimum of 1/2−in. (12.7 mm) thick insulation. Closed−cell insulation is recommended in all long line applications.
4. Special consideration should be given to isolating the interconnecting tubing from the building structure. Isolate the tubing so vibration or noise is not transmitted into the structure.

# WIRING

All wires must be sized per NEC (National Electrical Code) or CEC (Canadian Electrical Code) and local codes. Use Electrical Data table MCA (minimum circuit amps) and MOCP (maximum over current protection) to correctly size the wires and the disconnect fuse or breakers respectively.

## Power Wiring

1. Remove the electric cover of the outdoor unit.
2. Connect the fork terminal to the terminals.
3. Match the wire labels with the labels on the terminal block.
4. Firmly screw the fork terminal of each wire to its corresponding terminal.
5. Insulate unused wires with electrical tape. Keep them away from any electrical or metal parts.
6. Reinstall the cover of the electric control box.

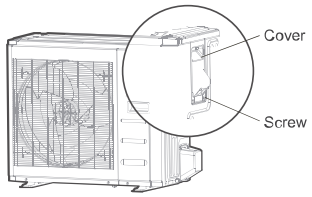



**Fig. 8 – Remove Electrical Cover**

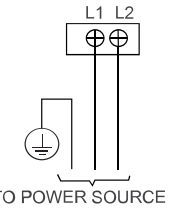



**Fig. 9 – Match Fork Terminal to Terminal Labels**

## Communication Wiring

There are two options available to establish communications between the outdoor unit and approved indoor unit.

**Table 45 — Wiring Sizes 36 – 48**

| Options | Communication Type | Recommended Cable Size |
|---|---|---|
| 1 | Non-Polarity RS485 Communications (S1 - S2) | 16 AWG (stranded shielded) |
| 2 | 24V Communication | 18 AWG 8-conductor thermostat wire |

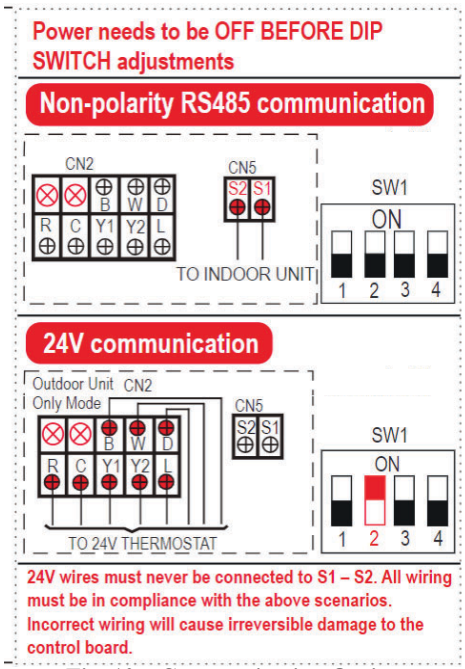



**Fig. 10 – Communication Options**

**Table 46 – Terminal Functions**

| | |
|---|---|
| **R** | 24V Power Connection |
| **C** | Common |
| **Y1** | Low Demand |
| **Y2** | High Demand |
| **B** | Heating Reversing Valve |
| **W** | Heating Control |
| **D** | Defrost (24V Output Signal) |
| **L** | System Fault (24V Output Signal) |

**NOTE:** Terminal D will be energized when the outdoor unit goes into defrost mode and can be used to enable electric heat. This feature is not available when the outdoor unit communicates with the indoor unit via non-polarity RS485 Communication S1-S2.

## 24V WIRING

See Table 47 for jumper usage.

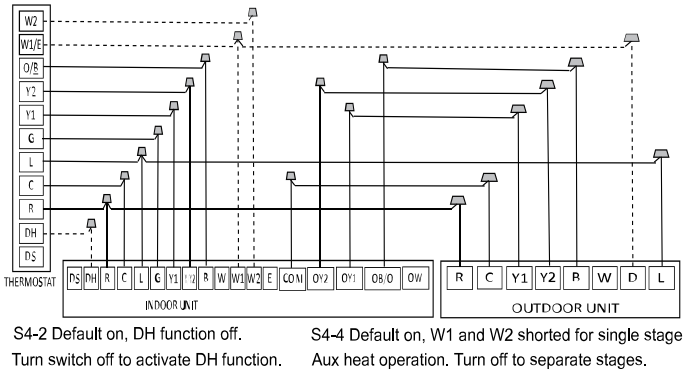



**Fig. 11 – Wiring for 4H and 2C Thermostat**

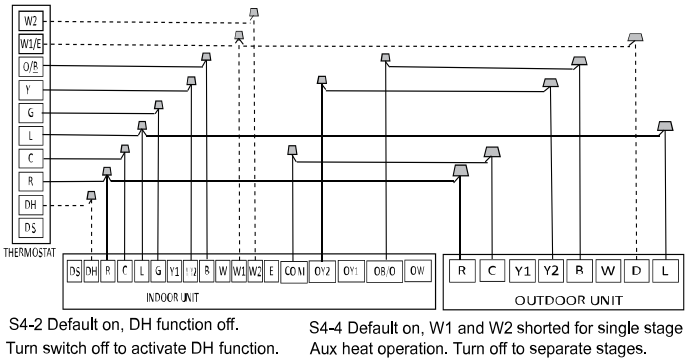



**Fig. 12 – Wiring for 3H and 1C Thermostat**

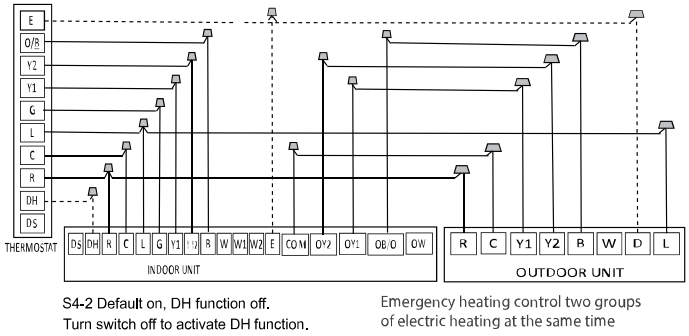



**Fig. 13 – Wiring for 3H and 2C Thermostat**

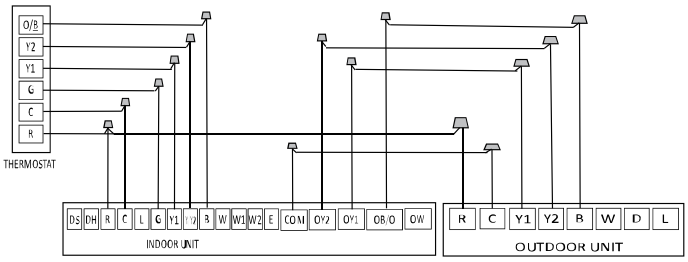



**Fig. 14 – Wiring for 2H and 2C Thermostat**

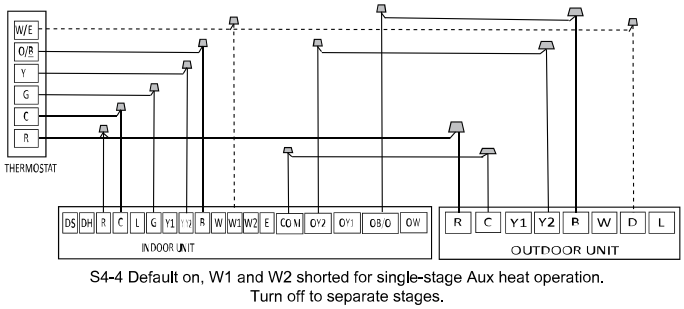



**Fig. 15 – Wiring for 2H and 1C Thermostat**

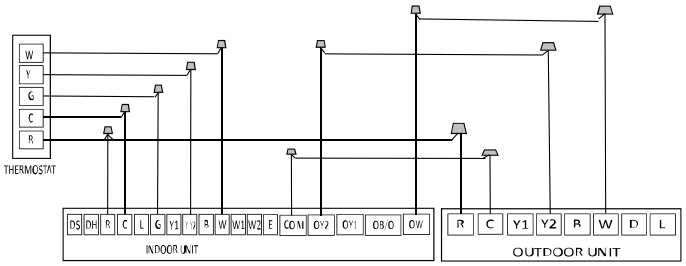



**Fig. 16 – Wiring for 1H and 1C Thermostat**

**Table 47 – Jumper Usage for Thermostat Wiring**

| S4-1 | S4-2 |
|---|---|
| Default ON: For single-stage supplemental heat, W1 and W2 are connected.<br>OFF: For dual-stage supplemental heat, W1 and W2 are controlled independently. Feature is enabled through thermostat. | Default ON: Dehumidification control not available.<br>OFF: Dehumidification feature is enabled through thermostat. |
| **NOTE:** Dip switches are located on compatible indoor unit. Refer to the indoor unit installation manual for additional information. | |

## ⚠ WARNING

**EQUIPMENT DAMAGE HAZARD**

Failure to follow this caution may result in equipment damage or improper operation. Wires should be sized based on NEC and local codes.

## ⚠ CAUTION

**EQUIPMENT DAMAGE HAZARD**

Failure to follow this caution may result in equipment damage or improper operation. Be sure to comply with local codes while running wire from the indoor unit to the outdoor unit. Every wire must be connected firmly. Loose wiring may cause the terminal to overheat or result in unit malfunction. A fire hazard may also exist. Ensure all wiring is tightly connected.

No wire should touch the refrigerant tubing, compressor or any moving parts. Disconnecting means must be provided and shall be located within sight and readily accessible from the air conditioner.

Route the cable & conduit through the hole in the conduit panel.

**NOTE:** The main power is supplied to the outdoor unit. When disconnecting the power of the outdoor unit, the indoor unit would lose power. A disconnect switch is not required on the Indoor unit side on the wiring between the Outdoor and Indoor unit. A 3-pole disconnect may be used for extra protection between the Indoor and Outdoor Unit. A separate power is required for an Auxiliary Electric Heater.

# SPECIFIC WIRING METHODS

**WARNING**

Refer to the wiring nameplate for the wiring method. Do not connect 24V AC to S1 - S2, as this will damage the system.

## SCENARIO 1:

This is the preferred method of control. This allows a 24 volt thermostat to be used with RS485 communication between the indoor and outdoor units. None of the 24 volt terminals in the outdoor unit can be used with this scenario. It is recommended to use 16 AWG stranded shielded cable for RS 485 communication.

- The **B** terminal and **W** terminal should not be used together at the air handler.
- **W** should only be used with a conventional thermostat for the heat demand at the air handler.
- **DS** is a reserve Terminal.

To use a 24V thermostat, Refer to the following wiring:

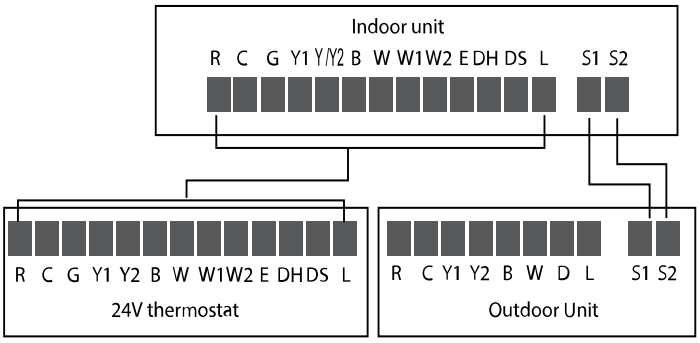



**Fig. 17 —Scenario 1**

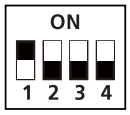
| SW1 | Control type | IDU and ODU Connection | Note |
|---|---|---|---|
|  | 24V Thermostat | S1+S2 | Scenario 1 (no outdoor unit clean function[*]) |



**Fig. 18 – Dip Switch Settings - Scenario 1**

## SCENARIO 2 (DEFAULT):

This allows the KSACN1401AAA wired controller to be used with RS485 communication between indoor and outdoor units. It is recommended to use 16 AWG stranded shielded cable for RS 485 communication.

- None of the 24 volt terminals at the air handler or outdoor unit can be used for this scenario
- Using the 1401 wired controller allows for the system to be fully communicating.
- Refer to the 1401 wired controller Owner's Manual for wired controller operating information.

Refer to the wiring method of indoor and outdoor unit communication and wired controller as follows:

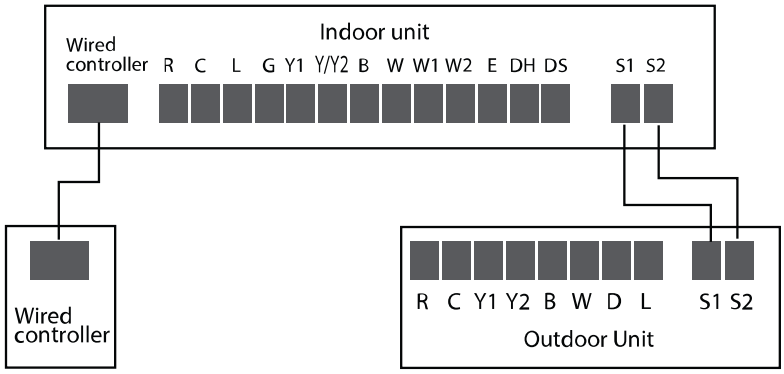



**Fig. 19 —Scenario 2 (Default)**

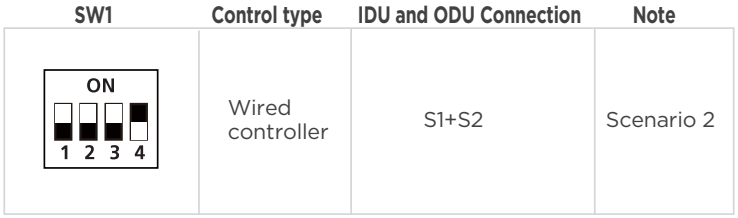



**Fig. 20 – Dip Switch Settings - Scenario 2**

## SCENARIO 3:

This allows a 24 volt thermostat to be used with 24 volt communication between the indoor and outdoor units. Some communication features will not be available with this method.

**NOTE: This equipment energizes the reversing valve in heat. Ensure that the B terminal is configured at the thermostat for heat.**

**NOTE: This method should be reserved for a 37MUHA outdoor unit and a third party indoor unit or cased coil and gas furnace. Using RS 485 communication between the indoor and outdoor units is recommended (Scenarios 1 or 2)**

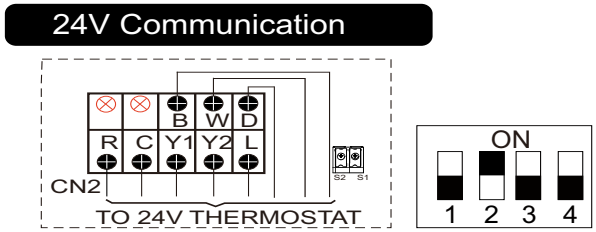
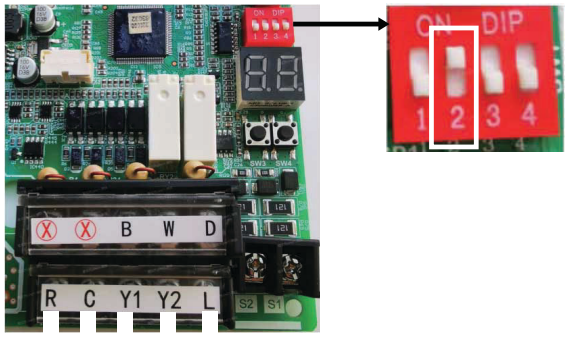



**Fig. 21 —Scenario 3 - Wiring to the Outdoor Unit**

**NOTE: DIP switch 2 in the outdoor unit must be turned on for Scenario 3 and Crossover applications. Leave off for the other 2 scenarios.**

**NOTE: The 24 volt wire terminals in the outdoor unit should only be used for Scenario 3. S1 and S2 should only be used for Scenarios 1 and 2.**

24V must never be connected to S1 – S2. All wiring must be in compliance with the above scenarios. Incorrect wiring can damage the outdoor and indoor control boards.




Scenario 3: DIP Switch 2 = ON.
Scenarios 1 and 2: DIP Switch 2 = OFF.

**Fig. 22 —24V Connection Dip Switch Setting (as shown in Fig 21)**

The SW3 button is not active.

SW4 button should be used for point check inquiry and forced defrost.

**NOTE: The use of shielded communication or thermostat wire is not required, but is recommended where separation from high voltage conductors can not be maintained, or in areas with high electrical noise. The shield must be grounded at the outdoor unit and stripped back and taped at the indoor unit. Grounding at both ends results in an increase of noise transmitted onto the signal wires.**

## AIR FLOW DATA

Refer to Table 4 for complete specifications.

**Table 48 – Airflow Data**

| System Size | 36K | 48K |
|---|---|---|
| Outdoor (CFM) | 2,118 | 4,500 |

## SOUND PRESSURE AND SOUND POWER

Refer to Table 4 for complete specifications.

**Table 49 – Sound Pressure and Sound Power**

| | System Size | | 36K | 48K |
|---|---|---|---|---|
| **Cooling** | Outdoor Sound Pressure Level | dB(A) | 61.7 | 62.9 |
| | Outdoor Sound Power Level | dB(A) | 71 | 72 |
| **Heating** | Outdoor Sound Pressure Level | dB(A) | 64 | 64 |
| | Outdoor Sound Power Level | dB(A) | 73 | 73 |

## SOUND PRESSURE IN OCTAVE BANDS

Refer to Table 4 for complete specifications.

## OUTDOOR UNIT SOUND PRESSURE TEST CONDITIONS

Refer to Table 4 for complete specifications.

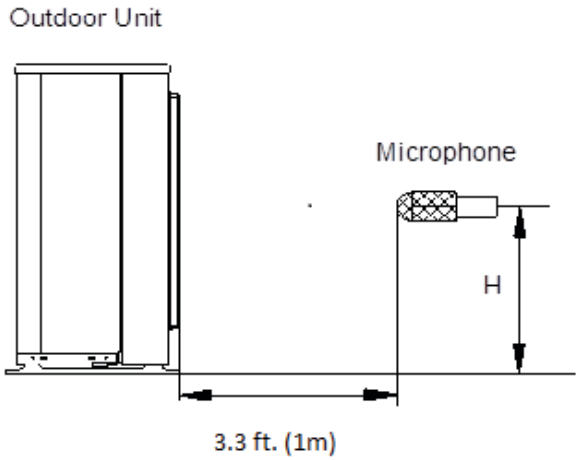



**Fig. 23 – Outdoor Unit Sound Pressure Test Conditions**

**NOTE:** H=0.5 x Height of outdoor unit

**Table 50 – Outdoor Unit Sound Pressure Test Conditions**

| | INDOOR CONDITION | | OUTDOOR CONDITION | |
|---|---|---|---|---|
| | DB | WB | DB | WB |
| **Cooling** | 80.6°F (27°C) | 66.2°F (19°C) | 95°F (35°C) | 75.2°F (24°C) |
| **Heating** | 68°F (20°C) | 59°F (15°C) | 44.6°F (7°C) | 42.8°F (6°C) |

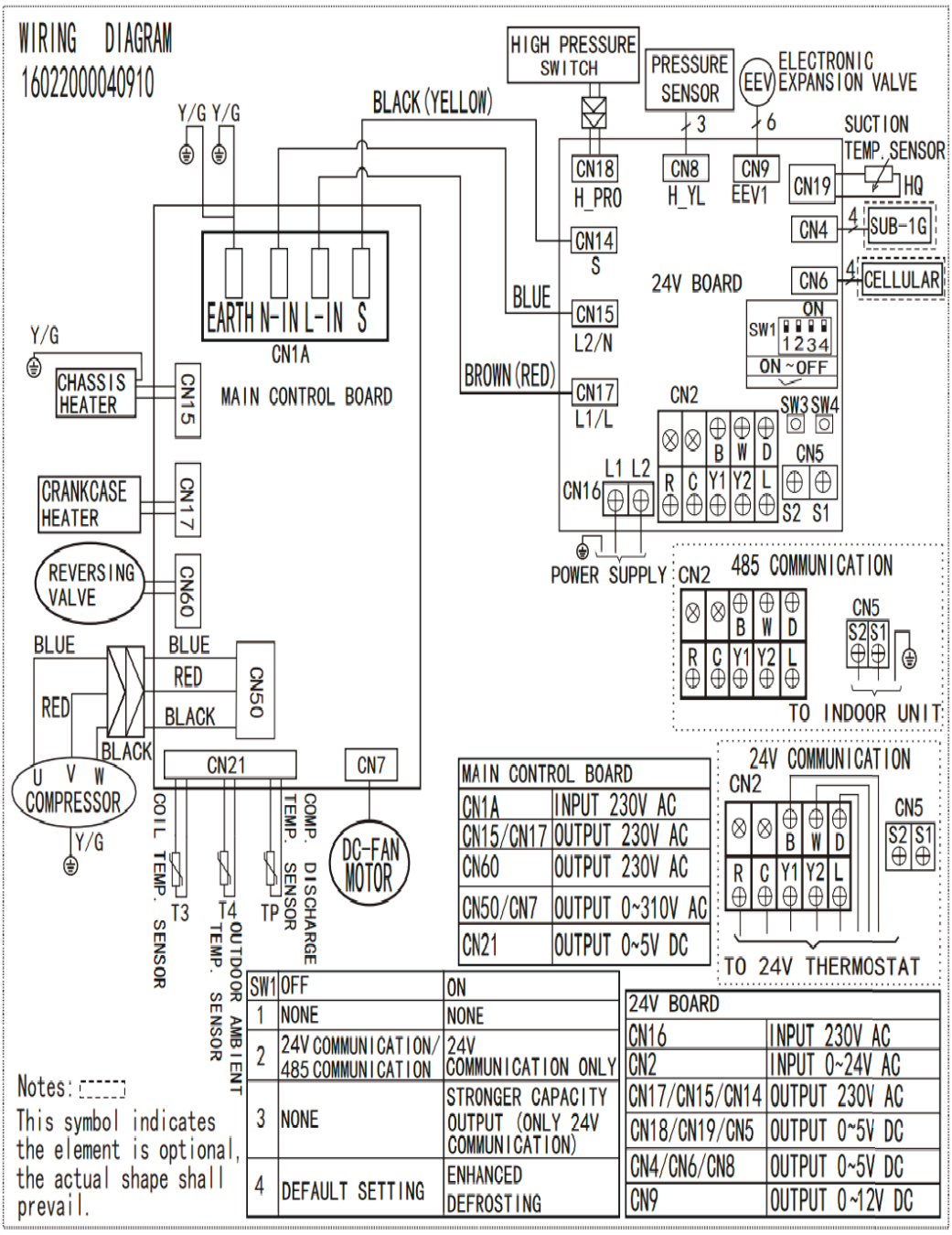
### Sound Pressure Per Distance

| 37MURAQ Sound Pressure (dBA) | | | | | | | |
|---|---|---|---|---|---|---|---|
| Distance from Property Line | | | | | | | |
| **Tonnage** | **Sound power (dBA)** | **Reflective Service QTY.** | **3.3FT** | **5FT** | **7FT** | **9FT** | **15FT** |
| 1.5 | 61 | 0 | 53 | 49 | 46 | 44 | 40 |
| | | 1 | 56 | 52 | 49 | 47 | 43 |
| | | 2 | 59 | 55 | 53 | 50 | 46 |
| 2 | 66.7 | 0 | 59 | 55 | 52 | 50 | 46 |
| | | 1 | 62 | 58 | 55 | 53 | 49 |
| | | 2 | 65 | 61 | 58 | 56 | 52 |
| 2.5 | 66.7 | 0 | 59 | 55 | 52 | 50 | 46 |
| | | 1 | 62 | 58 | 55 | 53 | 49 |
| | | 2 | 65 | 61 | 58 | 56 | 52 |
| 3 | 71 | 0 | 63 | 59 | 56 | 54 | 50 |
| | | 1 | 66 | 62 | 59 | 57 | 53 |
| | | 2 | 69 | 65 | 63 | 60 | 56 |
| 4 | 70.5 | 0 | 63 | 59 | 56 | 54 | 49 |
| | | 1 | 66 | 62 | 59 | 57 | 52 |
| | | 2 | 69 | 65 | 62 | 60 | 55 |
| 5 | 70.7 | 0 | 63 | 59 | 56 | 54 | 50 |
| | | 1 | 66 | 62 | 59 | 57 | 53 |
| | | 2 | 69 | 65 | 62 | 60 | 56 |

## FAN AND MOTOR AND ELECTRICAL SPECIFICATIONS

Refer to Table 4 for complete specifications.

# WIRING DIAGRAMS

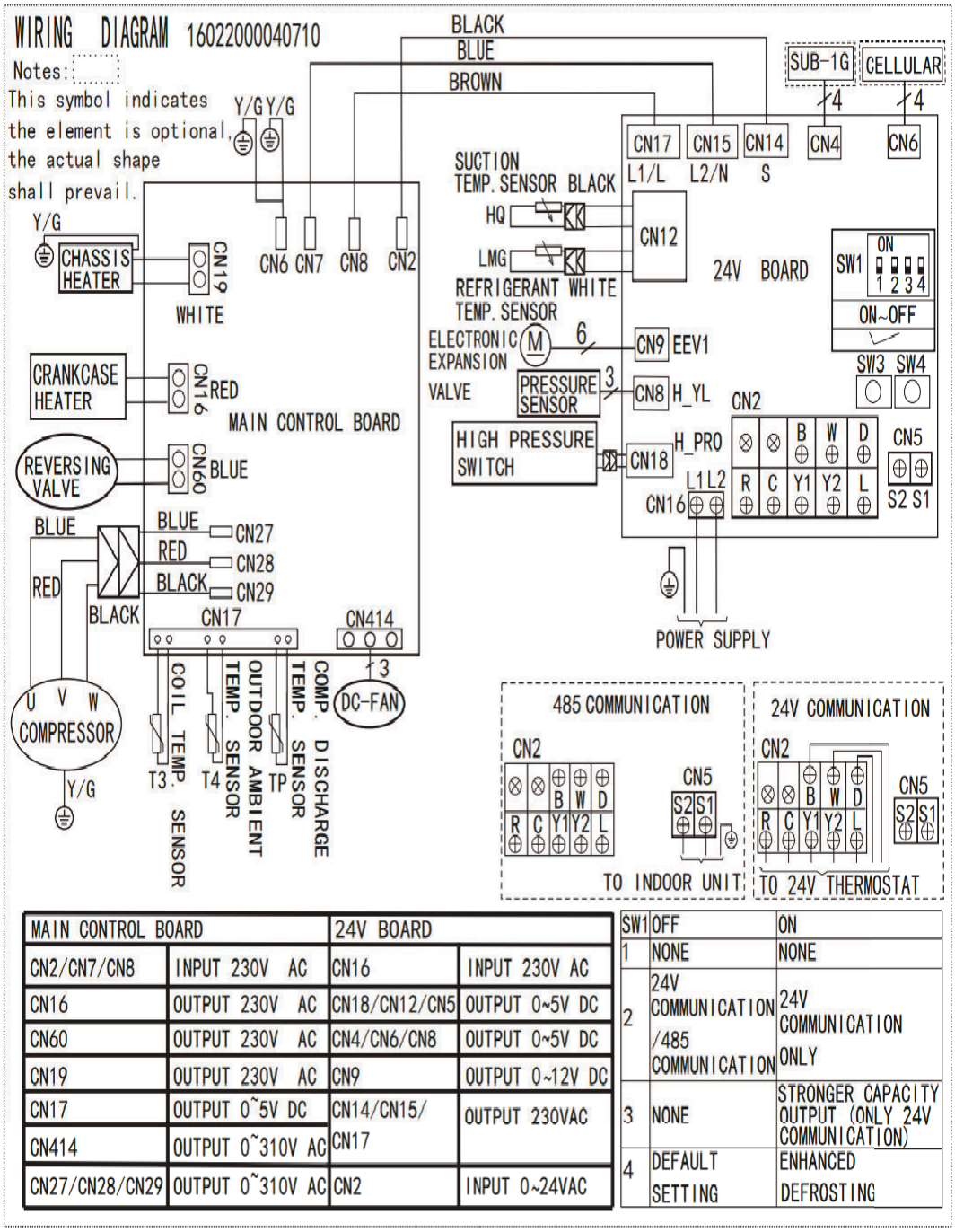



| MAIN CONTROL BOARD | |
|---|---|
| CN1A | INPUT 230V AC |
| CN15/CN17 | OUTPUT 230V AC |
| CN60 | OUTPUT 230V AC |
| CN50/CN7 | OUTPUT 0~310V AC |
| CN21 | OUTPUT 0~5V DC |

| SW1 | OFF | ON |
|---|---|---|
| 1 | NONE | NONE |
| 2 | 24V COMMUNICATION/ 485 COMMUNICATION | 24V COMMUNICATION ONLY |
| 3 | NONE | STRONGER CAPACITY OUTPUT (ONLY 24V COMMUNICATION) |
| 4 | DEFAULT SETTING | ENHANCED DEFROSTING |

| 24V BOARD | |
|---|---|
| CN16 | INPUT 230V AC |
| CN2 | INPUT 0~24V AC |
| CN17/CN15/CN14 | OUTPUT 230V AC |
| CN18/CN19/CN5 | OUTPUT 0~5V DC |
| CN4/CN6/CN8 | OUTPUT 0~5V DC |
| CN9 | OUTPUT 0~12V DC |

**Fig. 24 – 18K Wiring Diagram**




| MAIN CONTROL BOARD | | 24V BOARD | |
|---|---|---|---|
| CN2/CN7/CN8 | INPUT 230V AC | CN16 | INPUT 230V AC |
| CN16 | OUTPUT 230V AC | CN18/CN12/CN5 | OUTPUT 0~5V DC |
| CN60 | OUTPUT 230V AC | CN4/CN6/CN8 | OUTPUT 0~5V DC |
| CN19 | OUTPUT 230V AC | CN9 | OUTPUT 0~12V DC |
| CN17 | OUTPUT 0~5V DC | CN14/CN15/ CN17 | OUTPUT 230VAC |
| CN414 | OUTPUT 0~310V AC | | |
| CN27/CN28/CN29 | OUTPUT 0~310V AC | CN2 | INPUT 0~24VAC |

| SW1 | OFF | ON |
|---|---|---|
| 1 | NONE | NONE |
| 2 | 24V COMMUNICATION /485 COMMUNICATION | 24V COMMUNICATION ONLY |
| 3 | NONE | STRONGER CAPACITY OUTPUT (ONLY 24V COMMUNICATION) |
| 4 | DEFAULT SETTING | ENHANCED DEFROSTING |

**Fig. 25 – 24K Wiring Diagram**

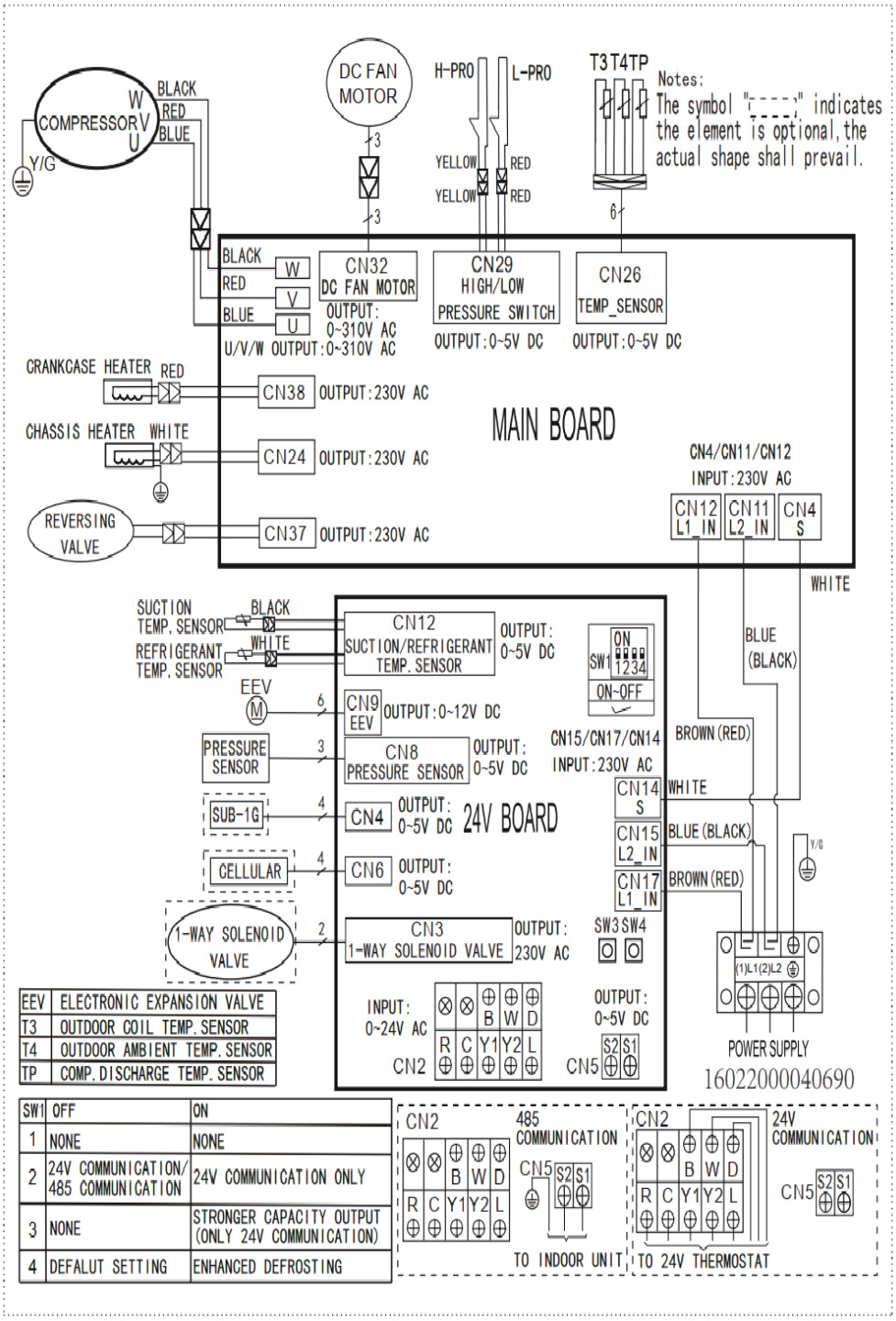



**Fig. 26 – 30K Wiring Diagram**

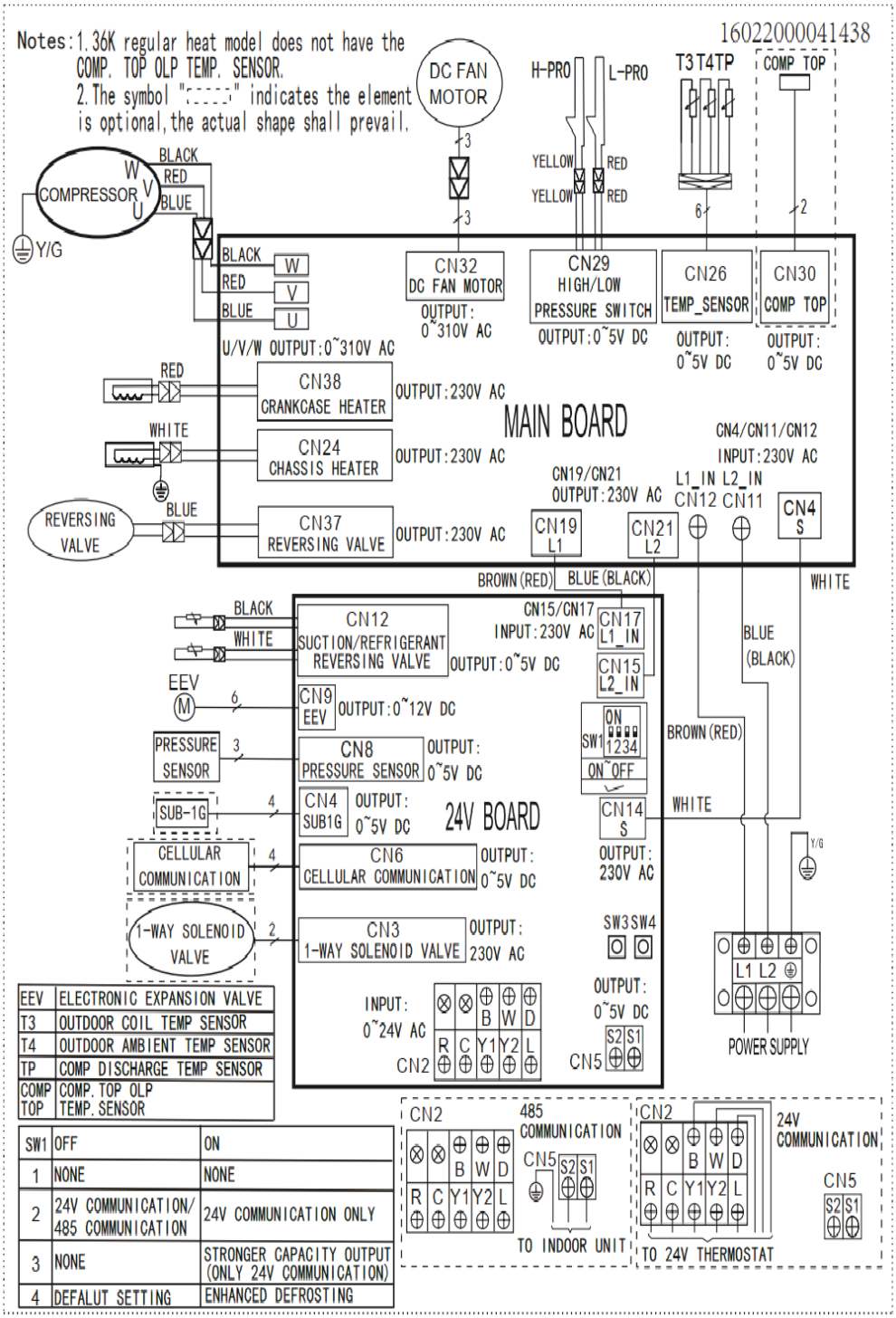



**Fig. 27 – 36K Wiring Diagram**

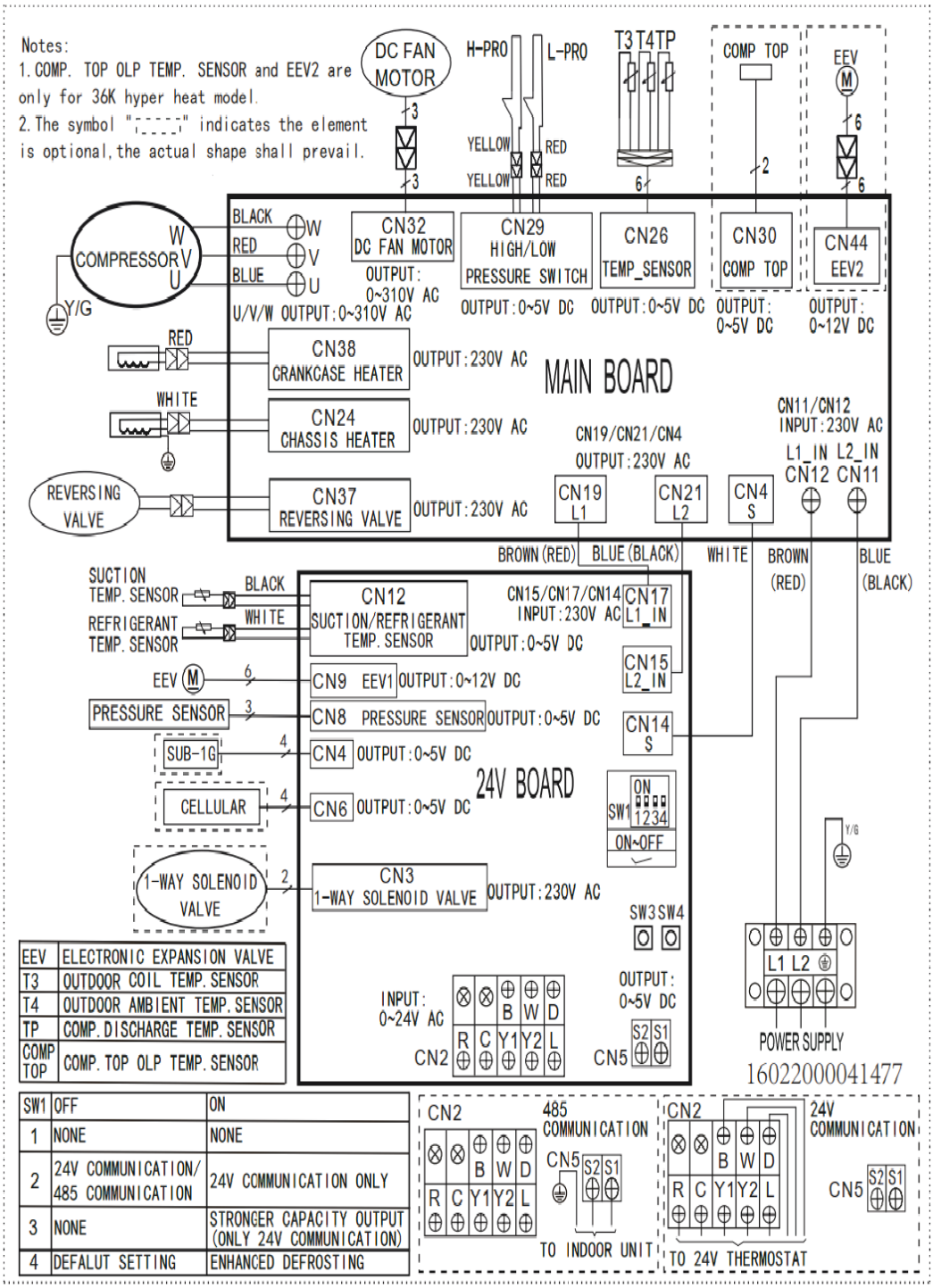



**Fig. 28 – 48K / 60K Wiring Diagram**

# GUIDE SPECIFICATIONS

## HORIZONTAL DISCHARGE SPLIT-SYSTEM HEAT PUMP

Size Range: 1½ to 5Ton Nominal Cooling and Heating Capacity

Model Number: **37MURA**

## Part 1 - General

### System Description

a. Outdoor air-cooled split system compressor sections suitable for on-the-ground, rooftop, wall hung or balcony mounting. Units consist of a rotary compressor, an air-cooled coil, propeller-type draw-through outdoor fan, reversing valve (HP), accumulator (HP units), metering device(s), and a control box. Units discharge air horizontally as shown on the contract drawings. Units function as the outdoor component of an air-to-air heat pump system.

b. Units are to be used in a refrigeration circuit matched to ductless heat pump fan coil units.

### Agency Listings

a. Unit construction complies with ANSI/ASHRAE 15, latest revision, and with the NEC.

b. Units are evaluated in accordance with the UL standard 60335-2-40/ CSA C22.2 No. 60335-2-40.

c. Units are listed in CEC directory.

d. Unit cabinet is capable of withstanding the 500-hour salt spray test per Federal Test Standard no. 141 (method 6061).

e. Air-cooled condenser coils are leak tested at 550 psig.

### Delivery, Storage, And Handling

Units are shipped in one piece and are stored and handled per the manufacturer's recommendations.

### Warranty (For Inclusion By Specifying Engineer)

### Products

### Equipment

1. **General:**
   Factory assembled, single piece, air-cooled outdoor unit. Contained within the enclosure are the factory wiring, piping, controls, and the compressor.
2. **Unit Cabinet:**
   a. The unit cabinet is constructed of galvanized steel, bonderized and coated with baked-enamel finish on the inside and outside.
   b. The unit access panels are removable and provide full access to the compressor, fan, and the control components.
   c. The outdoor compartment is isolated and has an acoustic lining to assure a quiet operation.
3. **Fans:**
   a. The outdoor fans are direct-drive propeller type, and discharge air horizontally. The fan draws air through the outdoor coil.
   b. Outdoor fan motors are totally-enclosed, single phase motors with class E insulation and permanently lubricated ball bearings. The motor is protected by internal thermal overload protection.
   c. The shaft has an inherent corrosion resistance.
   d. Fan blades are non-metallic and statically and dynamically balanced.
   e. Outdoor fan openings are equipped with a PVC metal/mesh coated protection grille over the fan.
4. **Compressor:**
   a. The compressor is the fully hermetic variable speed rotary type.
   b. The compressor is equipped with an oil system, operating oil charge, and motor.
   c. The motor is NEMA rated class E, suitable for operation in a refrigerant atmosphere.
   d. The compressor assembly is installed on rubber vibration isolators.
5. **Outdoor Coil:**
   The coil is constructed of aluminum hydrophilic pre-coated fins mechanically bonded to seamless copper tubes, which are cleaned, dehydrated and sealed.
6. **Refrigerant Components:**
   Refrigerant circuit components include multiple brass external liquid line service valves with a service gauge connection port, multiple suction line service valves with a service gage connection port, accumulator, reversing valve, and electronic expansion valves.
7. **Safety:**
   Operating safety features are factory selected, assembled, and tested. The minimum functions include the following:
   a. Compressor discharge over temperature protection.
   b. System low voltage protection.
   c. Compressor overload protection.
   d. Compressor over current protection.
   e. IPM module protection.
8. **Electrical Requirements:**
   a. Units operate on single-phase, 60 Hz power at 208/230V.
   b. The unit electrical power is a single point connection.
   c. All power and control wiring must be installed per NEC and all local electrical codes.
   d. Units have multiple terminal blocks to connect to multiple indoor units.

**NOTES:**

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