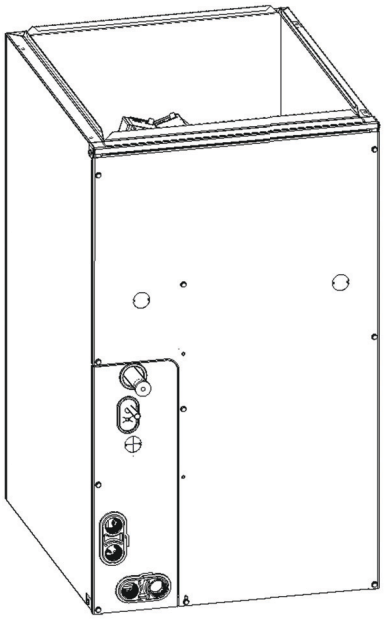
CAAMP
Evaporator Coil
for Puron Advance™ (R-454B) Refrigerant
A Coil, Cased, Multipoise

bryant®

Product Data



A240150

Fig. 1 – CAAMP

VERTEX™ Technology | Puron ADVANCE | c UL us LISTED | AHRI CERTIFIED | ISO 9001:2000 QMI REGISTERED

Use of the AHRI CertifiedTM Mark indicates a manufacturer's participation in the program. For verification of certification for individual products, go to www.ahridirectory.org.

A200449A

The CAAMP evaporator coil incorporates proven standards for reliable system operation and performance throughout the life of this quality Air Conditioner or Heat Pump system. These quality evaporator coils, manufactured and installed as part of a total comfort system, provide AHRI-rated performance ratings and are additionally listed with UL and c-UL.

This coil is available for use with Puron Advance Refrigerant only. It is a cased A-coil that is housed in a durable, 24-gauge, pre-painted taupe metallic cabinet. The fully insulated cabinet (foil faced with R-2.1 insulation properties) provides for quiet efficient operation of the evaporator coil. This multipoise coil offers the most in installation application flexibility; one coil for a variety of applications with fewer SKUs to stock.

DESIGN FEATURES

Performance

Designed with performance in mind, this new A-coil offers low pressure drops to enhance system performance and airflow characteristics.

Thermostatic Expansion Valves (TXV)

All coils have refrigerant-specific, factory-installed TXVs.

Durable Condensate Pans (2)

The corrosion-resistant drain pans, one for vertical applications and one for horizontal, are designed in a "fiberglass reinforced thermoset polyester" material (FRTP) that offers unsurpassed pan strength. It is engineered with proper slope in both pans to help ensure water drainage, improved moisture removal, and home comfort.

Refrigerant Connections

Provided with industry proven sweat connections for leak-free operation to maintain system reliability. All models come from the factory with enough length of straight tube to accommodate braze-less compression fittings.

The side mounting tubing to the coil slabs allows for easy cleaning/servicing of the coils, as well as easy access to the TXV.

Dissipation System

All models are shipped with a complete A2L (R-454B) dissipation system, which is required for installation.

Table 1 – Dissipation Parts List

Component	Location
Refrigerant Sensor	Factory Installed
Sensor Wire Harness	Factory Installed
Leak Dissipation Control Board	Parts Box
Dissipation Board Housing	Parts Box
Power Wire Harness	Parts Box

Burst Pressure

Meets or exceeds burst pressure of 2100 psi, which is at least three to five times the pressure it would see in actual application.

UV Knockouts

This cased coil comes with factory-installed UV knockouts for quick and easy installation of UV lights.

Serviceability

Comes with a "split delta plate" for easy, quick access to the coil for service and cleaning. Also, after the door is removed, the coil is removable from the front of the unit without use of any tools.

Warranty

- Default 5-year parts limited warranty:
  - 10-year parts limited warranty with timely registration*. Equipment must be registered within 90 days of original installation, except in jurisdictions where warranty benefits cannot be conditioned on registration.
  - * Applies to original purchaser/homeowner and not available to subsequent owners, except in jurisdictions where laws dictate otherwise.

See Warranty certificate for complete details and restrictions.

MODEL NUMBER NOMENCLATURE

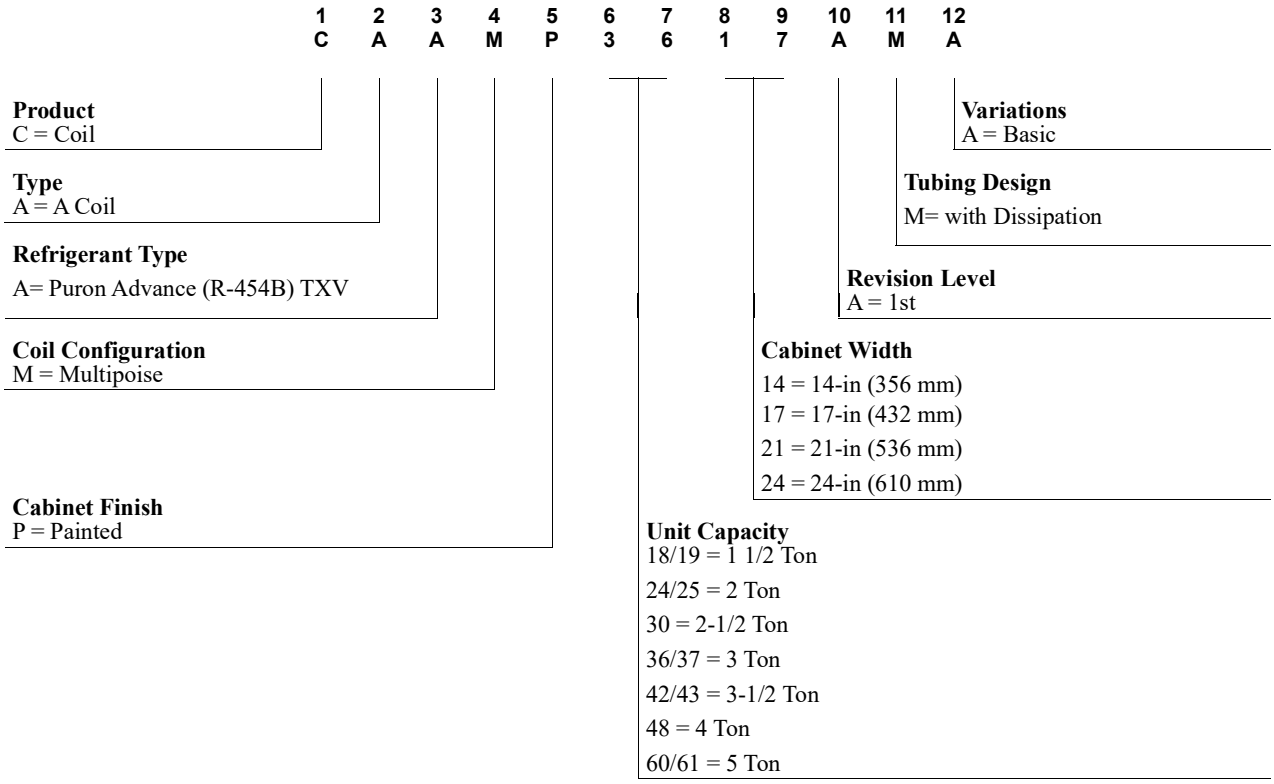


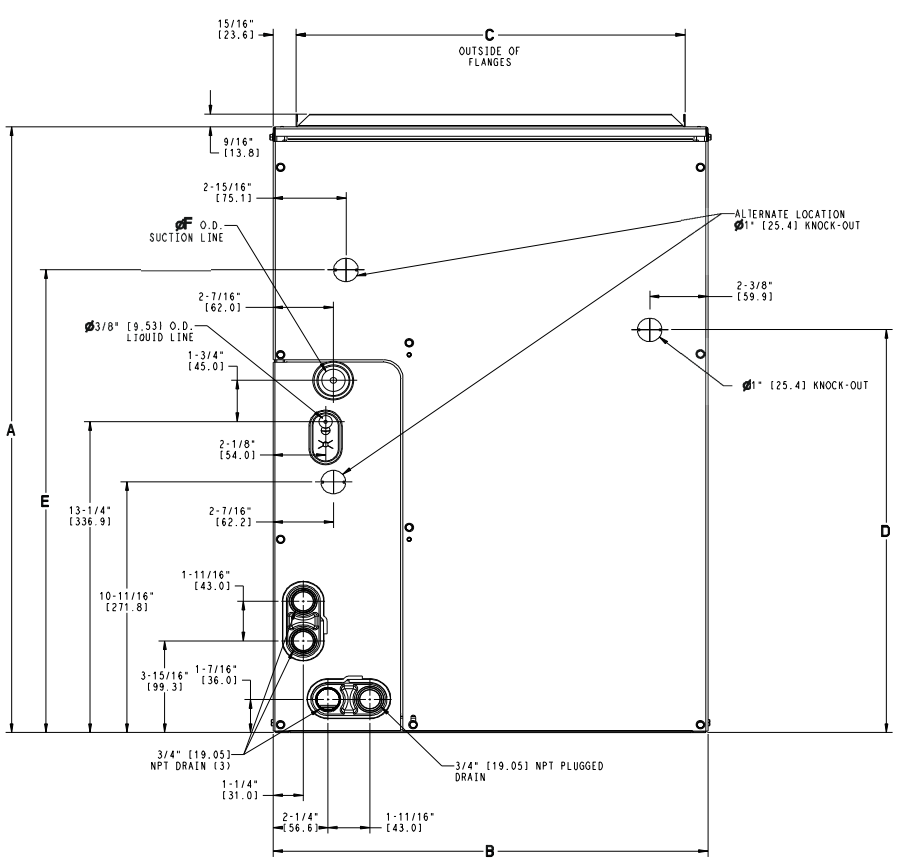
Table 2 – Accessories

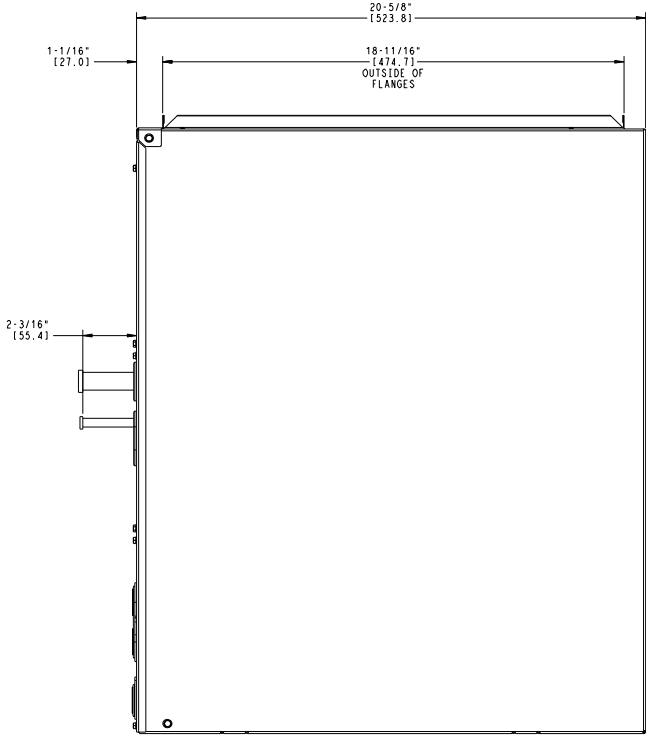
Part Number	Description
KGADA0101ALL	Coil Adapter Kits - No Offset
KGADA0201ALL	Coil Adapter Kits - Single Offset
KGADA0301ALL	Coil Adapter Kits - Double Offset
ACAWHNDIS01A	Alternate Wire Harness/Relay Kit — Higher Airflow
ACAINTDIS10A	CNN / Communicating Plug (10-pack)

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DIMENSIONS

UNIT	SERIES	A		B (Cabinet Width)		C		D		E		F (Suction Line)		OPERATING WEIGHT		SHIPPING WEIGHT		SHIPPING HEIGHT		SHIPPING WIDTH		SHIPPING DEPTH	
		INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	Lbs	Kgs	Lbs	Kgs	INCH	MM	INCH	MM	INCH	MM
CAAMP1917AMA	A	25 13/16	655.6	17 1/2	444.5	15 3/4	400.0	17 3/16	436.6	19 3/4	501.6	5/8	15.9	63.2	28.7	66.5	30.2	23.6	599.9	18.1	460.5	23.4	595.1
CAAMP2414AMA	A	25 13/16	655.6	14 3/16	360.4	12 7/16	315.9	17 3/16	436.6	-	-	5/8	15.9	50.1	22.7	54.5	24.7	26.6	676.1	14.8	376.4	23.4	595.1
CAAMP2417AMA	A	25 13/16	655.6	17 1/2	444.5	15 3/4	400.0	10 11/16	271.5	-	-	5/8	15.9	54.2	24.6	58.6	26.6	23.6	599.9	18.1	460.5	23.4	595.1
CAAMP2517AMA	A	29 3/4	755.6	17 1/2	444.5	15 3/4	400.0	19 3/4	501.6	19 3/4	501.6	5/8	15.9	68.6	31.1	73.0	33.1	30.5	775.0	18.1	460.5	23.4	595.1
CAAMP3014AMA	A	25 13/16	655.6	14 3/16	360.4	12 7/16	315.9	17 3/16	436.6	19 3/4	501.6	3/4	19.1	54.5	24.7	60.0	27.2	26.6	676.1	14.8	376.4	23.4	595.1
CAAMP3017AMA	A	25 13/16	655.6	17 1/2	444.5	15 3/4	400.0	17 3/16	436.6	19 3/4	501.6	3/4	19.1	61.0	27.7	66.5	30.2	23.6	599.9	18.1	460.5	23.4	595.1
CAAMP3617AMA	A	29 3/4	755.6	17 1/2	444.5	15 3/4	400.0	19 3/4	501.6	19 3/4	501.6	3/4	19.1	66.4	30.1	73.0	33.1	30.5	775.0	18.1	460.5	23.4	595.1
CAAMP3717AMA	A	25 13/16	655.6	17 1/2	444.5	15 3/4	400.0	17 3/16	436.6	19 3/4	501.6	3/4	19.1	59.9	27.2	66.5	30.2	23.6	599.9	18.1	460.5	23.4	595.1
CAAMP3721AMA	A	29 3/4	755.6	21	533.4	19 1/4	489.0	19 3/4	501.6	19 3/4	501.6	3/4	19.1	79.4	36.0	86.0	39.0	30.5	775.0	21.6	549.4	23.4	595.1
CAAMP4221AMA	A	29 3/4	755.6	21	533.4	19 1/4	489.0	19 3/4	501.6	19 3/4	501.6	7/8	22.2	72.3	32.8	80.0	36.3	30.5	775.0	21.6	549.4	23.4	595.1
CAAMP4321AMA	A	29 3/4	755.6	21	533.4	19 1/4	489.0	19 3/4	501.6	19 3/4	501.6	7/8	22.2	78.3	35.5	86.0	39.0	30.5	775.0	21.6	549.4	23.4	595.1
CAAMP4821AMA	A	29 3/4	755.6	21	533.4	19 1/4	489.0	19 3/4	501.6	19 3/4	501.6	7/8	22.2	77.2	35.0	86.0	39.0	30.5	775.0	21.6	549.4	23.4	595.1
CAAMP6024AMA	A	35	889.0	24 1/2	622.3	22 3/4	577.8	19 3/4	501.6	19 3/4	501.6	7/8	22.2	92.0	41.7	103.0	46.7	35.8	909.3	25.1	638.3	23.4	595.1
CAAMP6121AMA	A	35	889.0	21	533.4	19 1/4	489.0	19 3/4	501.6	19 3/4	501.6	7/8	22.2	89.0	40.4	100.0	45.4	35.8	909.3	21.6	549.4	23.4	595.1
CAAMP6124AMA	A	35	889.0	24 1/2	622.3	22 3/4	577.8	19 3/4	501.6	19 3/4	501.6	7/8	22.2	92.0	41.7	103.0	46.7	35.8	909.3	25.1	638.3	23.4	595.1





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PERFORMANCE DATA

Table 3 – Cooling Capacities (MBH) – Puron Advance

INDOOR COIL AIR		SATURATED TEMPERATURE LEAVING EVAPORATOR (deg F)														
		35			40			45			50			55		
CFM	EWB	TC	SHC	BF	TC	SHC	BF	TC	SHC	BF	TC	SHC	BF	TC	SHC	BF
SIZE 1917																
450	72	34.19	16.47	0.00	30.74	14.84	0.00	26.89	13.16	0.01	22.51	11.35	0.03	17.57	9.47	0.03
	67	28.01	17.01	0.01	24.56	15.21	0.05	20.54	13.46	0.04	16.10	11.59	0.04	11.34	9.64	0.06
	62	22.38	17.32	0.04	19.15	15.75	0.03	14.89	13.48	0.08	12.06	11.49	0.18	9.93	9.93	0.30
600	72	41.91	20.10	0.00	37.39	18.21	0.01	33.08	16.21	0.09	27.56	14.09	0.06	21.41	11.81	0.06
	67	34.37	21.07	0.05	30.18	19.06	0.06	25.25	16.91	0.06	19.68	14.61	0.06	13.83	12.13	0.09
	62	27.54	21.80	0.05	23.38	19.79	0.06	18.53	17.15	0.10	15.53	14.76	0.21	12.16	12.15	0.36
750	72	48.29	23.14	0.00	43.88	21.07	0.00	38.11	18.84	0.11	31.62	16.43	0.08	24.56	13.88	0.08
	67	39.50	24.55	0.07	34.72	22.33	0.08	29.04	19.93	0.07	22.63	17.35	0.07	16.21	14.55	0.11
	62	31.58	25.66	0.07	26.85	23.32	0.08	21.98	20.67	0.12	18.64	17.68	0.24	15.31	15.31	0.35

INDOOR COIL AIR		SATURATED TEMPERATURE LEAVING EVAPORATOR (deg F)														
		35			40			45			50			55		
CFM	EWB	TC	SHC	BF	TC	SHC	BF	TC	SHC	BF	TC	SHC	BF	TC	SHC	BF
SIZE 2414																
600	72	44.09	21.35	0.00	40.68	19.42	0.00	35.86	17.41	0.12	30.23	15.15	0.07	23.90	12.79	0.05
	67	36.68	22.32	0.04	32.75	20.30	0.07	27.51	18.04	0.05	21.76	15.63	0.04	15.81	13.41	0.03
	62	29.59	23.06	0.04	24.97	20.89	0.03	20.61	18.75	0.04	17.09	16.45	0.12	14.58	14.56	0.23
800	72	52.86	24.98	0.00	48.07	23.02	0.00	42.55	20.79	0.18	35.92	18.37	0.10	28.57	15.71	0.08
	67	43.33	26.93	0.06	38.92	24.67	0.09	32.93	22.20	0.07	25.94	19.31	0.08	19.22	16.78	0.07
	62	35.21	28.33	0.07	30.41	26.14	0.06	25.16	23.66	0.07	20.87	19.86	0.21	16.97	16.97	0.33
1000	72	58.79	28.00	0.00	53.83	25.88	0.00	47.60	23.59	0.18	40.22	21.02	0.12	32.20	18.20	0.10
	67	48.85	30.69	0.12	43.64	28.32	0.12	37.12	25.74	0.10	29.98	23.07	0.08	22.07	19.83	0.10
	62	39.84	33.17	0.08	34.81	30.67	0.09	29.36	28.02	0.10	24.65	23.30	0.26	21.03	21.03	0.33

INDOOR COIL AIR		SATURATED TEMPERATURE LEAVING EVAPORATOR (deg F)														
		35			40			45			50			55		
CFM	EWB	TC	SHC	BF	TC	SHC	BF	TC	SHC	BF	TC	SHC	BF	TC	SHC	BF
SIZE 2417																
600	72	43.88	21.27	0.00	40.50	19.35	0.00	35.70	17.35	0.12	30.09	15.10	0.07	23.80	12.75	0.05
	67	36.52	22.24	0.04	32.60	20.22	0.07	27.39	17.97	0.05	21.67	15.57	0.04	15.78	13.28	0.04
	62	29.46	22.98	0.04	24.86	20.82	0.03	20.52	18.68	0.04	17.01	16.39	0.12	13.82	13.81	0.27
800	72	52.23	25.07	0.00	47.81	22.96	0.00	42.35	20.71	0.17	35.77	18.30	0.10	28.44	15.65	0.08
	67	43.14	26.83	0.06	38.74	24.58	0.09	32.75	22.08	0.08	26.04	19.36	0.07	19.15	16.73	0.07
	62	35.06	28.23	0.07	30.27	26.05	0.06	25.05	23.57	0.07	20.78	19.79	0.21	16.89	16.89	0.33
1000	72	58.53	27.90	0.00	53.59	25.78	0.00	47.39	23.50	0.18	40.04	20.95	0.12	32.06	18.13	0.10
	67	48.63	30.58	0.12	43.44	28.22	0.12	36.95	25.65	0.10	29.84	22.99	0.08	21.97	19.76	0.10
	62	39.67	33.05	0.08	34.65	30.56	0.09	29.23	27.92	0.10	24.54	23.21	0.26	20.94	20.94	0.33

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Table 3 – Cooling Capacities (MBH) – Puron Advance (Continued)

INDOOR COIL AIR		SATURATED TEMPERATURE LEAVING EVAPORATOR (deg F)														
		35			40			45			50			55		
CFM	EWB	TC	SHC	BF	TC	SHC	BF	TC	SHC	BF	TC	SHC	BF	TC	SHC	BF
SIZE 2517																
600	72	41.61	21.14	0.00	38.04	19.33	0.00	33.77	17.30	0.00	28.90	15.16	0.00	23.25	12.78	0.00
	67	34.42	21.82	0.00	30.53	19.83	0.00	26.25	17.71	0.00	21.57	15.44	0.02	15.95	13.11	0.01
	62	27.79	22.36	0.00	24.07	20.19	0.02	19.87	18.07	0.02	15.44	15.69	0.05	12.86	12.86	0.20
800	72	51.29	25.99	0.00	46.95	23.87	0.00	41.99	21.59	0.04	36.10	19.05	0.02	29.28	16.28	0.02
	67	42.45	27.25	0.01	38.05	24.97	0.02	32.77	22.42	0.02	26.14	19.50	0.02	20.13	16.80	0.04
	62	34.35	28.30	0.00	30.01	25.81	0.02	24.81	23.11	0.04	19.86	19.69	0.08	16.48	16.48	0.23
1000	72	58.45	29.64	0.00	54.01	27.57	0.09	48.45	25.17	0.04	41.97	22.46	0.03	34.21	19.37	0.03
	67	49.08	31.87	0.03	44.10	29.43	0.03	38.12	26.68	0.02	31.06	23.58	0.03	23.38	20.29	0.04
	62	39.83	33.56	0.02	34.92	30.83	0.03	28.72	27.87	0.03	23.73	24.11	0.13	20.44	20.35	0.24

INDOOR COIL AIR		SATURATED TEMPERATURE LEAVING EVAPORATOR (deg F)														
		35			40			45			50			55		
CFM	EWB	TC	SHC	BF	TC	SHC	BF	TC	SHC	BF	TC	SHC	BF	TC	SHC	BF
SIZE 3014																
750	72	64.28	26.82	0.00	56.65	24.29	0.25	48.57	21.49	0.21	39.14	18.42	0.19	29.18	15.30	0.19
	67	52.28	28.53	0.22	44.80	25.70	0.20	36.34	22.66	0.19	27.50	19.77	0.18	20.03	16.60	0.23
	62	41.10	29.74	0.20	34.33	26.84	0.20	28.22	23.61	0.25	24.00	19.47	0.40	19.30	19.30	0.47
1000	72	75.71	30.97	0.00	66.84	28.53	0.39	56.45	25.32	0.27	45.65	21.91	0.25	33.87	18.36	0.24
	67	61.09	33.72	0.28	52.27	30.68	0.25	42.21	27.21	0.24	32.13	23.91	0.23	24.19	20.18	0.29
	62	48.35	36.12	0.24	40.75	32.59	0.26	34.71	28.60	0.33	29.23	23.62	0.46	23.57	23.56	0.51
1250	72	84.45	34.77	0.00	74.20	31.92	0.40	62.94	28.51	0.32	50.61	24.79	0.29	37.95	21.12	0.28
	67	68.37	38.29	0.32	58.10	34.84	0.30	46.88	31.11	0.28	36.01	27.55	0.27	27.82	23.18	0.35
	62	54.75	41.65	0.28	46.34	37.99	0.29	39.86	32.84	0.38	33.77	27.28	0.50	27.21	27.21	0.55

INDOOR COIL AIR		SATURATED TEMPERATURE LEAVING EVAPORATOR (deg F)														
		35			40			45			50			55		
CFM	EWB	TC	SHC	BF	TC	SHC	BF	TC	SHC	BF	TC	SHC	BF	TC	SHC	BF
SIZE 3017																
750	72	55.99	27.03	0.00	50.21	24.41	0.00	43.84	21.69	0.02	36.72	18.85	0.03	29.26	15.89	0.07
	67	45.89	28.21	0.02	40.31	25.34	0.06	34.15	22.43	0.09	26.95	19.39	0.09	19.58	16.40	0.10
	62	37.25	28.83	0.09	31.47	26.13	0.08	25.57	22.95	0.12	20.47	19.44	0.21	16.62	16.60	0.34
1000	72	68.08	32.96	0.02	61.11	29.75	0.08	53.47	26.54	0.09	44.84	23.26	0.08	35.53	19.71	0.10
	67	56.03	34.79	0.07	49.12	31.34	0.10	41.45	27.90	0.11	32.69	24.28	0.11	23.97	20.72	0.13
	62	45.44	35.96	0.12	38.27	32.60	0.11	31.36	29.01	0.14	26.15	24.43	0.27	21.56	21.56	0.35
1250	72	77.47	37.22	0.00	69.71	33.89	0.18	61.10	30.50	0.15	51.74	27.08	0.12	40.63	23.01	0.13
	67	64.18	40.21	0.12	56.54	36.43	0.14	47.60	32.73	0.14	37.30	28.81	0.12	27.70	24.60	0.16
	62	52.09	42.23	0.14	44.33	38.48	0.14	36.65	34.48	0.17	31.05	28.88	0.31	25.64	25.63	0.39

Table 3 – Cooling Capacities (MBH) – Puron Advance (Continued)

INDOOR COIL AIR		SATURATED TEMPERATURE LEAVING EVAPORATOR (deg F)														
		35			40			45			50			55		
CFM	EWB	TC	SHC	BF	TC	SHC	BF	TC	SHC	BF	TC	SHC	BF	TC	SHC	BF
SIZE 3617																
900	72	67.46	32.88	0.00	60.36	29.61	0.01	52.65	26.33	0.06	43.99	22.67	0.11	34.85	18.98	0.16
	67	55.88	34.31	0.10	48.85	30.72	0.14	41.14	27.09	0.17	32.46	23.33	0.18	23.40	19.57	0.20
	62	45.56	35.08	0.18	38.52	31.74	0.17	31.23	27.82	0.21	25.00	23.32	0.31	20.63	20.63	0.39
1200	72	81.02	39.70	0.01	72.66	35.89	0.08	63.61	31.99	0.13	53.29	27.83	0.15	42.07	23.47	0.19
	67	67.44	41.95	0.15	59.04	37.76	0.18	49.78	33.54	0.20	39.10	29.08	0.21	28.64	24.71	0.23
	62	55.04	43.42	0.20	46.50	39.42	0.20	38.22	35.08	0.23	31.59	28.83	0.37	25.90	25.89	0.43
1500	72	91.73	44.83	0.13	82.33	40.79	0.16	72.21	36.64	0.18	61.13	32.30	0.19	48.09	27.41	0.21
	67	76.51	48.20	0.19	67.52	43.77	0.22	56.77	39.18	0.22	44.60	34.55	0.21	33.04	29.35	0.25
	62	62.64	51.15	0.21	53.53	46.30	0.23	44.41	41.21	0.27	37.22	33.92	0.41	30.66	30.65	0.46

INDOOR COIL AIR		SATURATED TEMPERATURE LEAVING EVAPORATOR (deg F)														
		35			40			45			50			55		
CFM	EWB	TC	SHC	BF	TC	SHC	BF	TC	SHC	BF	TC	SHC	BF	TC	SHC	BF
SIZE 3717																
900	72	63.46	31.49	0.00	58.01	28.80	0.04	51.46	25.83	0.03	43.82	22.62	0.02	35.13	19.14	0.03
	67	52.62	32.92	0.00	46.72	29.84	0.03	39.77	26.59	0.03	32.19	23.02	0.05	23.82	19.59	0.05
	62	42.54	33.83	0.02	36.69	30.87	0.02	29.51	27.08	0.05	23.69	23.43	0.12	19.31	19.31	0.26
1200	72	77.47	38.03	0.00	70.54	34.92	0.00	62.68	31.61	0.08	53.65	28.00	0.05	43.17	24.02	0.04
	67	64.12	40.43	0.05	57.09	37.12	0.05	48.93	33.48	0.04	39.37	29.39	0.04	28.67	24.84	0.06
	62	52.02	42.45	0.04	44.85	38.84	0.04	36.42	34.31	0.07	29.96	29.57	0.17	25.10	25.10	0.28
1500	72	86.68	43.05	0.16	80.10	39.84	0.21	71.44	36.36	0.11	61.19	32.52	0.07	49.45	28.18	0.06
	67	72.94	46.82	0.07	65.13	43.30	0.06	56.00	39.38	0.05	45.33	34.98	0.05	33.10	29.54	0.08
	62	59.42	50.04	0.05	51.42	45.86	0.06	42.81	41.17	0.09	35.79	35.07	0.21	29.60	29.56	0.32

INDOOR COIL AIR		SATURATED TEMPERATURE LEAVING EVAPORATOR (deg F)														
		35			40			45			50			55		
CFM	EWB	TC	SHC	BF	TC	SHC	BF	TC	SHC	BF	TC	SHC	BF	TC	SHC	BF
SIZE 3721																
900	72	61.82	31.09	0.00	56.65	28.55	0.00	50.43	25.69	0.00	43.19	22.56	0.00	35.29	19.07	0.06
	67	51.26	32.47	0.00	45.67	29.63	0.00	39.38	26.39	0.03	32.04	22.97	0.04	23.98	19.69	0.03
	62	41.40	33.35	0.01	35.86	30.39	0.02	29.33	27.09	0.03	23.12	23.23	0.10	18.87	18.87	0.25
1200	72	75.93	37.69	0.00	69.49	34.93	0.00	61.77	31.66	0.04	53.28	28.11	0.03	43.46	24.22	0.03
	67	62.59	40.21	0.01	56.24	36.98	0.03	48.55	33.41	0.03	39.52	29.44	0.03	29.32	24.99	0.05
	62	51.12	42.13	0.02	44.52	38.81	0.02	36.25	34.34	0.05	29.53	29.65	0.14	25.62	25.62	0.23
1500	72	85.23	42.80	0.00	78.92	39.99	0.12	70.61	36.59	0.06	61.10	32.74	0.05	49.98	28.51	0.04
	67	71.75	46.64	0.05	64.43	43.25	0.04	55.80	39.43	0.04	45.71	35.13	0.04	33.95	30.04	0.06
	62	58.74	49.85	0.03	51.09	45.91	0.04	42.33	41.10	0.07	35.28	35.26	0.18	30.12	30.12	0.28

Table 3 – Cooling Capacities (MBH) – Puron Advance (Continued)

INDOOR COIL AIR		SATURATED TEMPERATURE LEAVING EVAPORATOR (deg F)														
		35			40			45			50			55		
CFM	EWB	TC	SHC	BF	TC	SHC	BF	TC	SHC	BF	TC	SHC	BF	TC	SHC	BF
SIZE 4221																
1050	72	90.69	39.25	0.22	79.29	34.79	0.27	67.84	30.61	0.30	54.99	26.17	0.32	41.23	21.73	0.33
	67	74.25	40.81	0.33	63.21	36.44	0.34	51.26	32.03	0.34	38.63	27.78	0.34	27.54	22.60	0.40
	62	59.17	42.85	0.33	48.94	37.87	0.36	40.24	32.59	0.42	33.22	26.27	0.55	26.39	26.38	0.59
1400	72	105.91	45.61	0.34	92.96	40.90	0.35	79.14	36.18	0.35	63.88	31.08	0.37	47.94	26.09	0.37
	67	86.68	48.40	0.38	73.48	43.42	0.38	59.57	38.45	0.38	44.86	33.37	0.38	33.50	27.35	0.46
	62	68.87	51.20	0.38	57.75	45.89	0.40	48.73	39.30	0.48	40.52	32.08	0.58	32.16	32.15	0.62
1750	72	117.46	50.91	0.40	103.81	46.21	0.39	88.23	40.97	0.39	71.24	35.39	0.40	53.10	29.79	0.41
	67	96.60	54.92	0.42	82.19	49.60	0.42	66.44	44.17	0.41	50.49	38.45	0.42	38.38	31.31	0.51
	62	76.94	58.37	0.42	65.36	52.49	0.45	56.00	44.87	0.53	52.14	28.69	0.00	37.33	37.30	0.65

INDOOR COIL AIR		SATURATED TEMPERATURE LEAVING EVAPORATOR (deg F)														
		35			40			45			50			55		
CFM	EWB	TC	SHC	BF	TC	SHC	BF	TC	SHC	BF	TC	SHC	BF	TC	SHC	BF
SIZE 4321																
1050	72	72.86	36.36	0.00	66.83	33.27	0.00	59.24	29.88	0.04	50.77	26.27	0.03	41.05	22.36	0.03
	67	60.40	37.94	0.01	53.83	34.61	0.02	46.16	30.91	0.03	37.53	26.89	0.05	27.57	22.83	0.04
	62	49.03	39.20	0.02	42.90	35.75	0.04	34.22	31.47	0.04	27.22	27.15	0.11	22.24	22.24	0.26
1400	72	89.04	43.76	0.00	80.95	40.30	0.00	72.02	36.58	0.08	61.90	32.48	0.05	50.29	27.98	0.04
	67	73.49	46.65	0.05	65.66	42.89	0.05	56.47	38.76	0.04	45.96	34.25	0.04	33.79	29.09	0.05
	62	59.73	49.01	0.04	51.73	45.01	0.04	42.14	39.87	0.06	34.58	34.39	0.15	29.19	29.19	0.27
1750	72	99.38	49.25	0.00	91.49	45.99	0.15	81.88	42.04	0.10	70.58	37.65	0.07	57.44	32.76	0.06
	67	83.39	53.88	0.07	74.73	49.95	0.06	64.51	45.53	0.05	52.66	40.65	0.05	39.08	34.71	0.07
	62	67.99	57.68	0.04	59.03	53.04	0.05	49.36	47.79	0.08	41.34	40.88	0.20	35.42	35.42	0.29

INDOOR COIL AIR		SATURATED TEMPERATURE LEAVING EVAPORATOR (deg F)														
		35			40			45			50			55		
CFM	EWB	TC	SHC	BF	TC	SHC	BF	TC	SHC	BF	TC	SHC	BF	TC	SHC	BF
SIZE 4821																
1200	72	86.38	41.08	0.00	79.52	37.20	0.00	69.89	33.63	0.00	59.61	29.88	0.12	47.66	25.55	0.09
	67	71.87	43.44	0.14	63.66	39.67	0.11	54.29	35.69	0.09	43.43	31.24	0.08	31.49	26.50	0.09
	62	58.17	45.49	0.09	49.64	41.48	0.08	40.08	36.62	0.10	33.46	31.95	0.18	27.51	27.51	0.30
1600	72	101.90	47.70	0.00	92.81	43.80	0.00	82.38	40.24	0.24	70.33	35.92	0.16	56.62	31.12	0.13
	67	84.53	51.87	0.17	75.20	47.92	0.14	64.35	43.55	0.12	51.98	38.64	0.11	37.80	32.93	0.13
	62	68.59	55.49	0.12	59.17	50.98	0.12	49.17	45.96	0.13	41.35	39.18	0.25	34.93	34.93	0.34
2000	72	112.43	52.81	0.00	103.00	49.48	0.00	91.66	45.52	0.24	78.54	40.96	0.18	63.45	35.82	0.16
	67	94.02	58.95	0.20	83.89	54.85	0.17	72.08	50.23	0.15	58.39	44.97	0.14	43.32	38.81	0.16
	62	76.60	64.19	0.14	66.54	59.03	0.15	57.02	54.26	0.17	48.60	45.76	0.31	40.72	40.72	0.38

Table 3 – Cooling Capacities (MBH) – Puron Advance (Continued)

INDOOR COIL AIR		SATURATED TEMPERATURE LEAVING EVAPORATOR (deg F)														
		35			40			45			50			55		
CFM	EWB	TC	SHC	BF	TC	SHC	BF	TC	SHC	BF	TC	SHC	BF	TC	SHC	BF
SIZE 6024																
1500	72	111.90	53.42	0.00	100.82	48.20	0.00	88.16	42.92	0.18	74.42	37.58	0.10	58.66	31.72	0.08
	67	91.81	55.77	0.10	80.46	50.27	0.09	67.73	44.59	0.08	53.96	38.86	0.08	38.93	32.85	0.09
	62	73.61	57.21	0.09	61.99	51.52	0.08	50.33	45.78	0.10	41.09	39.45	0.18	33.55	33.49	0.31
2000	72	134.57	63.58	0.00	121.64	57.75	0.00	106.58	51.96	0.25	90.34	46.16	0.13	71.15	39.23	0.11
	67	111.08	67.95	0.15	97.49	61.56	0.14	82.38	55.36	0.11	65.31	48.48	0.11	47.20	41.31	0.11
	62	89.55	71.15	0.11	75.59	64.44	0.11	61.55	57.36	0.13	51.76	49.16	0.24	42.09	42.09	0.35
2500	72	153.39	70.65	0.00	138.18	66.18	0.00	121.18	59.65	0.25	102.88	53.34	0.16	81.43	45.78	0.14
	67	125.98	77.96	0.18	111.00	71.25	0.17	94.42	64.78	0.14	74.52	57.06	0.13	54.28	48.77	0.15
	62	101.85	82.81	0.14	87.10	75.89	0.14	72.02	68.05	0.17	61.20	57.79	0.29	49.26	49.17	0.39

INDOOR COIL AIR		SATURATED TEMPERATURE LEAVING EVAPORATOR (deg F)														
		35			40			45			50			55		
CFM	EWB	TC	SHC	BF	TC	SHC	BF	TC	SHC	BF	TC	SHC	BF	TC	SHC	BF
SIZE 6121																
1500	72	108.82	53.49	0.00	98.72	48.54	0.02	86.96	43.41	0.00	73.42	37.88	0.00	58.72	31.86	0.03
	67	89.91	55.69	0.00	79.34	50.23	0.03	67.25	44.52	0.04	53.61	38.53	0.04	38.96	32.51	0.05
	62	72.51	56.76	0.04	61.44	51.08	0.05	49.67	45.22	0.06	39.68	38.77	0.14	32.95	32.94	0.27
2000	72	132.70	64.89	0.00	120.17	59.15	0.11	106.14	53.14	0.07	90.38	46.85	0.05	72.09	39.91	0.05
	67	109.78	68.52	0.05	97.20	62.41	0.06	82.60	55.94	0.05	65.66	48.82	0.05	47.75	41.45	0.06
	62	88.87	71.43	0.05	75.63	64.66	0.06	61.60	57.49	0.08	50.69	49.38	0.18	41.56	41.47	0.31
2500	72	151.12	73.92	0.00	137.31	67.95	0.13	121.74	61.56	0.10	103.70	54.61	0.07	83.17	47.05	0.06
	67	125.62	79.55	0.08	111.30	73.09	0.07	95.12	65.98	0.07	76.13	58.19	0.06	55.57	49.67	0.08
	62	101.86	84.09	0.07	87.74	76.94	0.08	72.15	68.73	0.10	60.35	58.24	0.23	49.63	49.52	0.34

INDOOR COIL AIR		SATURATED TEMPERATURE LEAVING EVAPORATOR (deg F)														
		35			40			45			50			55		
CFM	EWB	TC	SHC	BF	TC	SHC	BF	TC	SHC	BF	TC	SHC	BF	TC	SHC	BF
SIZE 6124																
1500	72	109.15	53.38	0.00	98.91	48.60	0.02	87.02	43.42	0.00	73.69	37.74	0.02	58.65	31.79	0.03
	67	90.07	55.69	0.01	79.33	50.24	0.03	67.29	44.52	0.04	53.59	38.53	0.05	39.04	32.41	0.06
	62	72.60	56.80	0.05	61.46	51.10	0.05	49.80	45.31	0.06	39.95	38.98	0.14	33.21	33.20	0.26
2000	72	132.83	64.89	0.00	120.37	59.11	0.14	106.33	53.12	0.08	90.53	46.84	0.06	72.18	39.91	0.05
	67	109.97	68.52	0.06	97.32	62.40	0.06	82.66	55.93	0.06	65.68	48.81	0.05	47.90	41.53	0.07
	62	89.02	71.47	0.06	75.75	64.73	0.06	61.72	57.56	0.08	50.94	49.55	0.18	41.74	41.64	0.31
2500	72	151.07	73.92	0.00	137.81	67.87	0.18	121.90	61.53	0.10	103.80	54.59	0.08	83.22	47.03	0.07
	67	125.93	79.54	0.09	111.55	73.08	0.07	95.23	65.98	0.07	76.15	58.19	0.07	55.61	49.70	0.09
	62	102.18	84.19	0.07	87.97	77.02	0.08	72.37	68.88	0.10	60.59	58.38	0.23	47.34	47.34	0.37

Legend:

CFM - Cubic Ft. per Minute **EWB** - Entering Wet Bulb (°F) **LWB** - Leaving Wet Bulb (°F) **TC** - Gross Cooling Capacity 1000 Btuh
BF - Bypass Factor **MBH** - 1000 Btuh **SHC** - Gross Sensible Capacity 1000 Btuh

Table 4 – COIL STATIC PRESSURE DROP (in. w.c.) R-454B PURON ADVANCE

Unit Size	STANDARD CFM																		
	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200
1814	Dry																		
	0.079	0.111	0.145	0.186	0.232														
	Wet																		
	0.083	0.116	0.151	0.196	0.243														
1917	Dry																		
	0.077	0.099	0.124	0.152	0.182														
	Wet																		
	0.088	0.113	0.137	0.170	0.209														
2414	Dry																		
	0.065	0.091	0.120	0.154	0.194	0.237	0.284												
	Wet																		
	0.066	0.094	0.124	0.161	0.203	0.250	0.301												
2417	Dry																		
	0.056	0.076	0.097	0.123	0.151	0.182	0.215												
	Wet																		
	0.060	0.082	0.105	0.132	0.163	0.195	0.231												
2517	Dry																		
	0.069	0.090	0.111	0.136	0.165	0.193	0.227												
	Wet																		
	0.071	0.090	0.113	0.136	0.164	0.196	0.229												
3014	Dry																		
	0.054	0.077	0.102	0.133	0.167	0.206	0.248	0.296	0.347										
	Wet																		
	0.059	0.084	0.111	0.142	0.181	0.223	0.269	0.319	0.375										
3017	Dry																		
	0.043	0.059	0.077	0.096	0.119	0.144	0.171	0.201	0.232										
	Wet																		
	0.046	0.063	0.083	0.105	0.130	0.157	0.186	0.219	0.252										
3617	Dry																		
	0.023	0.036	0.052	0.069	0.089	0.110	0.135	0.160	0.189	0.219	0.251								
	Wet																		
	0.042	0.058	0.076	0.095	0.117	0.142	0.169	0.198	0.231	0.265	0.299								
3717	Dry																		
	0.077	0.099	0.124	0.152	0.182	0.216	0.253	0.294	0.338										
	Wet																		
	0.088	0.113	0.137	0.170	0.209	0.247	0.287	0.326	0.368										
3721	Dry																		
			0.059	0.073	0.090	0.111	0.135	0.162	0.191	0.222	0.254								
	Wet																		
			0.073	0.096	0.120	0.147	0.176	0.207	0.240	0.276	0.314								
4221	Dry																		
			0.044	0.056	0.068	0.082	0.099	0.119	0.138	0.161	0.183	0.205	0.233						
	Wet																		
			0.058	0.073	0.089	0.106	0.125	0.143	0.165	0.189	0.213	0.239	0.268						
4321	Dry																		
			0.059	0.073	0.090	0.111	0.135	0.162	0.191	0.222	0.254	0.288	0.323						
	Wet																		
			0.073	0.096	0.120	0.147	0.176	0.207	0.240	0.276	0.314	0.354	0.396						
4821	Dry																		
			0.055	0.072	0.089	0.107	0.128	0.150	0.175	0.199	0.228	0.257	0.288	0.321	0.356				
	Wet																		
			0.058	0.075	0.094	0.115	0.136	0.161	0.188	0.217	0.247	0.279	0.313	0.347	0.386				
6021	Dry																		
					0.075	0.093	0.112	0.133	0.157	0.181	0.206	0.234	0.264	0.294	0.326	0.360	0.396	0.432	0.478
	Wet																		
					0.077	0.095	0.115	0.137	0.159	0.184	0.209	0.238	0.268	0.300	0.334	0.370	0.407	0.444	0.488
6024	Dry																		
					0.073	0.083	0.095	0.107	0.120	0.136	0.152	0.169	0.184	0.203	0.217	0.238	0.260	0.283	0.307
	Wet																		
					0.076	0.086	0.098	0.110	0.124	0.140	0.157	0.175	0.193	0.215	0.238	0.261	0.286	0.314	0.342
6121	Dry																		
						0.111	0.133	0.153	0.163	0.204	0.234	0.262	0.293	0.326	0.366	0.392	0.437	0.480	0.520
	Wet																		
						0.130	0.150	0.183	0.210	0.245	0.280	0.320	0.355	0.400	0.435	0.480	0.525	0.570	0.630
6124	Dry																		
						0.099	0.113	0.127	0.144	0.162	0.182	0.203	0.227	0.252	0.279	0.307	0.337	0.369	0.403
	Wet																		
						0.118	0.140	0.163	0.187	0.213	0.239	0.266	0.295	0.325	0.355	0.387	0.420	0.454	0.489

COOLING CAPACITIES NOTES:

NOTE:

1. Contact manufacturer for cooling capacities at conditions other than shown in table.
2. Formulas:

   Leaving db = entering db - $\frac{\text{sensible heat cap.}}{1.09 \times \text{CFM}}$

   Leaving wb = wb corresponding to enthalpy of air leaving coil (h_{LWB})

   $h_{LWB} = h_{EWB} - \frac{\text{total capacity (Btuh)}}{4.5 \times \text{CFM}}$

   Where h_{EWB} = enthalpy of air entering coil
3. SHC is based on 80°F db temperature of air entering the evaporator coil.
   Below 80°F db, subtract (Correction Factor x CFM) from SHC.
   Above 80°F db, add (Correction Factor x CFM) to SHC.
4. Direct interpolation is permissible. Do not extrapolate.
5. Fan motor heat has not been deducted.
6. All data points are based on 10°F superheat leaving coil and use of thermostatic expansion valve (TXV) device.
7. These coils can be used in any properly designed system using Puron Advance (R-454B) Refrigerant.
8. Before using maximum cfm shown in table, check coil static pressure drop to ensure system blower can provide necessary static pressure needed for coil and duct systems.
9. Bypass Factor = 0 indicates no psychometric solution. Use bypass factor of next lower EWB for approximation.

Table 5 – ENTERING AIR DRY BULB TEMPERATURE (°F)

BYPASS FACTOR	79	78	77	76	75	Under 75
	81	82	83	84	84	Above 85
	Correction Factor					
0.10 0.20 0.30	0.98 0.87 0.76	1.96 1.74 1.53	2.94 2.62 2.29	3.92 3.49 3.05	4.91 4.36 3.82	Use formula shown below

Interpolation is permissible.
Correction Factor = 1.09 x (1 - BF) x (db - 80)

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