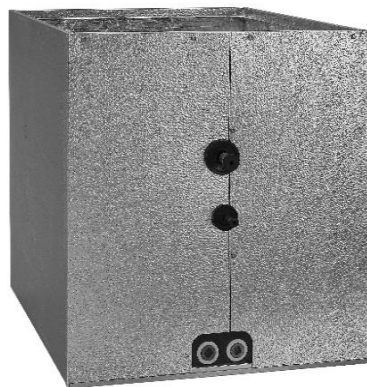


Specification Guide

Dedicated Downflow A2L Refrigerants

Evaporator Coils



Contents	Page
Downflow Coils	
Features	2
Nomenclature	3
Specifications.....	4



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Downflow Coil – Product Features

- High efficiency lanced fin design
- “No-hassle” 5 year warranty. 10 year Limited Warranty available.
- R-454B, R-32, AC & Heat Pump compatible with Refrigerant Detection System.
- All coils have durable packaging with bar coded labels on the box.
- Threaded expansion valves available factory installed or as a field installed kit.
- Coils are air pressure tested at 500 psi, leak tested with helium, sealed with rubber plugs, then charged with dry air.
- Piston options include externally accessible body for easy piston change out and/or TXV installation.
- Microban® antimicrobial additive to inhibit the growth of mold and mildew in the drain pan.
- UV resistant drain pans are molded of high temperature (450 deg. F) engineered polymer.
- Copper refrigerant connections for easy brazing on both copper and aluminum slab models.
- Cased coil cabinets are fully lined with 5/8" foil faced insulation.
- Non-captive refrigerant lines with long stubs make for easy installation.
- Enhanced refrigerant pipe grommets: secure, tight, and easy to install.
- Copper distributor tube assembly provides brass to brass threads for trouble-free service of TXV.
- Expansion valve with improved temperature sensing:
- Mounted inside cabinet to prevent external sweating
- Bulb clamped standard factory installed
- Cabinet insulation hold down tabs for easy drain pan removal.
- Interlocking doors reduce air leakage and allow for easy access.
- Foam drain seal for reduced air leakage.
- Maximum CFM printed on the label of each coil.
- Suction line refrigerant connections are 3/4" ODF (A-Coil 18-36 size models) or 7/8" ODF (A-Coil 42-60 size models)
- Suction line refrigerant connections are 1.125".
- Corrosion resistant coil header plates.

Dedicated Down Flow Dual Listed Nomenclature

	A	24	VAC	A	X	R	17	D	R	
Series									Refrigerant Detection System (Field Configurable) R = RDS Controller & Sensor (Factory Installed) L = Leak Detection Sensor (Factory Installed) N = Not Included (Field Installed)	
A = Vertical										
Nominal Capacity (MBTUH)									Configuration D = Downflow	
Slab Number									Cabinet Width 14 = 14.5" 17 = 17.5" 21 = 21.0" 24 = 24.5"	
VAC, VBC, VCC, etc. = Copper slab									Cabinet Depth R = 26.5"	
VAA, VBA, VCA, etc. = Aluminum slab									Cabinet Color X = Embossed	
Refrigerant Type & Metering Device (Field Configurable) 1 = Piston (R-454B & R-32) [1] A = R-454B Non-bleed HP-A/C TXV B = R-32 Non-bleed HP-A/C TXV C = R-454B Bleed HP-A/C TXV										

[1] R-454B Piston factory installed to match the nominal BTU rating of the coil.

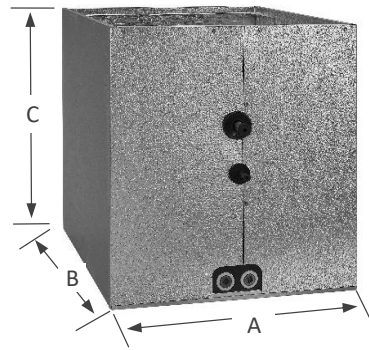
R-454B Pistons			R-32 Pistons		
MBTUH		Size	MBTUH		Size
18	=	46	18	=	41
24	=	53	24	=	46
30	=	59	30	=	53
36	=	65	36	=	57
42	=	70	42	=	62
48	=	76	48	=	65
60	=	84	60	=	76

Downflow Coil – Cased Specifications

A = Width
B = Depth
C = Height

Supply Opening: (A - 1.5") x (B - 1.5")

Return Opening: (A - 1.0") x (B - 0.5")



C = Copper slab; A = Aluminum slab.

		Dimensions / Airflow Data						Weights			
Slab Number	Nominal MBTUH	Width [A]	Depth [B]	Height [C]	Max CFM	Face Vel. ^[2] (fpm)	DRY Coil Air Pressure Drop (inches W.C.) by Coil Width [A]				
								Copper	Aluminum		
VA (C,A)	18	14.5" - 17.5"	26.5"	18"	600	205	.05	27	26		
	24				800	274	.14				
VB (C,A)	18	14.5"			600	171	.06	29	28		
	24	17.5"			800	229	.14				
	18				600	171	.06	33	32		
	24				800	229	.14				
	30				1000	286	.22				
	36				1150	329	.27				
VC (C,A)	18				14.5"	600	171	.02	31	30	
	24	17.5"			800	229	.10				
	18				600	171	.02	42	40		
	24				800	229	.10				
	30				1000	286	.18				
	36				1200	343	.26				
VD (C,A)	24			17.5"	23.5"	800	196	.11	50	48	
	30	21.0"		1000		245	.19				
	36			1200		294	.27	61	55		
	24			800		196	.05				
	30			1000		245	.11				
	36			1200		294	.17				
	42			1350		331	.21	64	61		
	VE (C,A)			30		17.5" - 21"	1000			190	.17
36				24.5"		1200	229			.25	68
42		1400				267	.30				
42		1400				267	.21	70	67		
48		1600				305	.28				
VF (C,A)		36				17.5" - 21"	1200	206	.17	70	67
	42	24.5"				1400	240	.23			
	42			1400		240	.10	74	71		
	48			1600		274	.14				
VG (C,A)	42			21.0"	27.5"	1400	218	.20	75	72	
	48	24.5"		1600		249	.24	79			76
	60			1850		288	.28				
	42			1400		218	.07	84	81		
	48			1600		249	.11				
	60			1950		304	.18				
VH (C,A)	42			21.0"		1400	200	.20	79	76	
	48	24.5"		1600		229	.26				
	60			1900		271	.32	84	81		
	42			1400		200	.06				
	48			1600		229	.11				
	60			2000		286	.17				
VL (C,A)	42			24.5"		1400	200	.11	84	81	
	48	1600				229	.21				
	60	1950				286	.25				

Downflow Coil – Pallet Quantities

Cabinet Width	Pallet Qty by Cabinet Height (in)		
	18"	23.5"	27.5"
14.50"	8	8	4
17.50"	8	4	4
21.00"	2	2	2
24.50"	2	2	2



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