



HD Series A2L Refrigerants
*Premier Horizontal Evaporator Coils
with Side Connections*

Specification Guide



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Product improvement is a continuous process at Advanced Distributor Products. Therefore, product specifications are subject to change without notice and without obligation on our part. Please contact your ADP representative or distributor to verify details.

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Product Features

- Rifled copper tubing.
- Lanced fin design.
- R-454B, R-32, AC & Heat Pump compatible with Refrigerant Detection System.
- Refrigerant Detection System Options:
 - Field Installed Sensor and board with factory installed bracket.
 - Factory installed sensor and mitigation board in box.
 - Factory installed sensor only without board for compatible furnaces.
- Dual 3/4" FPT condensate drains on front of coil.
- Refrigerant connections are 3/8" ODF liquid and 7/8" ODF suction.
- Non-captive panels allow access to inside of cabinet without the need to cut refrigerant lines.
- Optional painted or embossed galvanized steel cabinets.
- Side panel with only six screws for fast and easy coil access.
- UV resistant drain pans are molded of high temperature (450 deg. F) engineered polymer.
- Coils are air pressure tested at 500 psi, leak tested with Helium, sealed with rubber plugs and then charged with dry air.
- "No-hassle" 5-year warranty. 10 year Limited Warranty available.
- Threaded expansion valves available factory installed or as a field installed kit.
- Heavy 24 gauge embossed galvanized cabinets fully lined with 5/8" foil faced insulation.
- All coils are foam packed and include bar coding on label.
- Easy to use filler strip, if coil dimensions are larger than furnace.
- Drain pan has trough to fully drain condensate away.
- Microban® antimicrobial additive to inhibit the growth of mold and mildew in the drain pan.

Nomenclature

H	D12	A	24	E	145	B	21	47	R
Cabinet Color H = Embossed A = Armstrong C = Carrier / Bryant / Payn G = ICP J = Goodman / Amana N = Nordyne R = Rheem / Ruud T = Trane / American Standard Y = York / Luxaire / Coleman				Refrigerant Detection System (Field Configurable) R = Included (Factory Installed) L = Leak Detection Sensor (Factory Installed) N = Not Included (Field Installed)					
Slab Number D = Copper slab P = Aluminum slab				Product Code 47 = Side Refrigerant Connections					
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				Cabinet Length^[2] 21 = 21.5" 26 = 26.5" 31 = 31.5"					
Nominal Capacity (MBTUH)				Duct Flange B = .75"					
				Cabinet Height 145 = 14.5" 175 = 17.5" 210 = 21.0" 245 = 24.5"					
				Cabinet Width E = 21.5" (standard)					

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

^[2] Cabinet length not a selectable option, see dimensions.

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

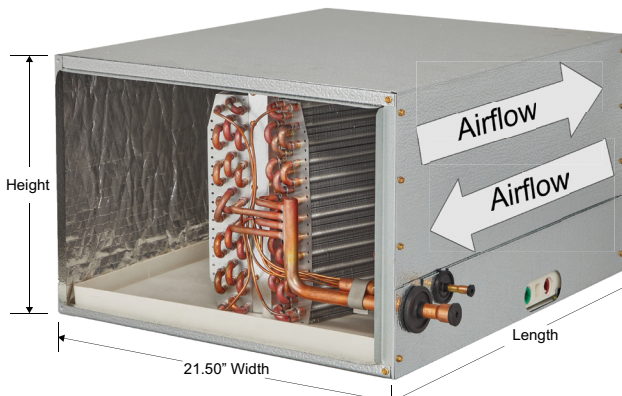
R-32 Pistons		
MBTUH		Size
18	=	41
24	=	46
30	=	53
36	=	57
42	=	62
48	=	65
60	=	76

“Core” options are preferred and will have better pricing and availability versus “Non-Core” options.

Dimensions

	Slab * Number	Nominal Tonnage	Dimensions (in)		Pallet Qty	Weight (lbs)	
			Height	Length		CU	AL
Core Slabs	(D,P) 12	2.0 - 3.0	14.5	26.5	8	50	40
	(D,P) 13	2.5 - 3.5	17.5	21.5	8	50	40
	(D,P) 14	2.5 - 4.0	17.5	26.5	8	50	40
	(D,P) 15	3.0 - 4.0	17.5	26.5	8	56	45
	(D,P) 16	3.0 - 5.0	21	26.5	4	61	49
	(D,P) 17	3.5 - 5.0	21	26.5	4	64	52
	(D,P) 19	3.5 - 5.0	21	26.5	4	60	48
	(D,P) 21	1.5 - 3.0	14.5	31.5	4	55	43
	(D,P) 29	3.5 - 5.0	21	31.5	2	64	52
	(D,P) 38	3.0 - 4.0	17.5	31.5	4	56	45
	(D,P) 42	1.5 - 3.0	14.5	26.5	8	50	40
	(D,P) 44	1.5 - 3.0	14.5	31.5	4	58	47
	(D,P) 45	2.5 - 3.5	17.5	26.5	8	56	45
	(D,P) 52	3.5 - 5.0	21	31.5	2	63	51
	(D,P) 74	3.0 - 4.0	21	21.5	4	50	40
	(D,P) 75	3.0 - 4.0	21	21.5	4	50	40
	(D,P) 78	2.0 - 4.0	17.5	31.5	4	70	56
Non-Core Slabs	(D,P) 03	2.0 - 3.0	14.5	26.5	8	49	40
	(D,P) 04	2.5 - 3.5	17.5	21.5	8	45	36
	(D,P) 05	2.5 - 4.0	17.5	26.5	8	47	38
	(D,P) 06	3.0 - 4.0	17.5	26.5	8	50	40
	(D,P) 07	3.0 - 5.0	21	26.5	4	51	41
	(D,P) 11	1.5 - 2.5	14.5	21.5	8	50	40
	(D,P) 18	3.0 - 5.0	24.5	26.5	4	58	47
	(D,P) 26	2.0 - 4.0	17.5	31.5	4	53	43
	(D,P) 27	3.0 - 5.0	21	31.5	2	63	51
	(D,P) 47	3.0 - 4.0	21	26.5	4	60	48
	(D,P) 50	3.5 - 5.0	21	31.5	2	63	51
	(D,P) 57	3.5 - 4.0	21	31.5	2	63	51
	(D,P) 72	2.0 - 3.0	17.5	21.5	8	53	43
	(D,P) 76	4.0 - 5.0	24.5	21.5	4	64	52
	(D,P) 77	4.0 - 5.0	24.5	26.5	4	74	60
	(D,P) 79	3.5 - 5.0	24.5	26.5	4	75	60

* D = Copper slab; P = Aluminum slab



Opening Type	Opening Dimensions by Cabinet Height			
	14.5"	17.5"	21"	24.5"
Supply opening (Height x Width)	13" x 19.75"	16" x 19.75"	19.5" x 19.75"	23" x 19.75"
Return opening (Height x Width)	13.5" x 20.25"	16.5" x 20.25"	20" x 20.25"	23.5" x 20.25"

Drain Connections
3/4" FPT

Refrigerant Connections
Liquid Line - 3/8" ODF
Suction Line - 7/8" ODF

Airflow Data

	Slab Number	Nominal Tonnage Range	^ Air Pressure Drop (in WC) by CFM							
			600	800	1000	1200	1400	1600	1800	2000
Core Slabs	(D,P) 12	1.5 - 3.0	0.11	0.17	0.25	0.35	-	-	-	-
	(D,P) 13	1.5 - 3.5	0.08	0.14	0.20	0.27	0.36	-	-	-
	(D,P) 14	2.5 - 4.0	-	-	0.17	0.24	0.32	0.41	-	-
	(D,P) 15	3.0 - 4.0	-	-	0.14	0.20	0.28	0.35	-	-
	(D,P) 16	3.0 - 5.0	-	-	-	0.17	0.23	0.29	0.36	0.43
	(D,P) 17	3.0 - 5.0	-	-	0.10	0.14	0.19	0.24	0.25	0.36
	(D,P) 19	3.5 - 5.0	-	-	-	-	0.22	0.33	0.41	0.48
	(D,P) 21	1.5 - 3.0	0.09	0.13	0.20	0.27	-	-	-	-
	(D,P) 29	3.5 - 5.0	-	-	-	-	0.12	0.15	0.19	0.23
	(D,P) 38	3.0 - 4.0	-	-	-	0.18	0.25	0.31	-	-
	(D,P) 42	1.5 - 3.0	0.09	0.14	0.20	0.28	-	-	-	-
	(D,P) 44	1.5 - 3.0	0.06	0.10	0.14	0.20	-	-	-	-
	(D,P) 45	2.5 - 3.5	-	-	0.19	0.27	0.35	-	-	-
	(D,P) 52	3.5 - 5.0	-	-	0.12	0.16	0.20	0.26	0.32	0.39
	(D,P) 74	3.0 - 4.0	-	-	0.19	0.25	0.33	0.41	-	-
	(D,P) 75	3.0 - 5.0	-	-	-	0.20	0.26	0.33	-	-
	(D,P) 78	2.0 - 4.0	-	0.09	0.12	0.17	0.23	0.30	-	-
Non-Core Slabs	(D,P) 03	2.0 - 3.0	-	0.16	0.25	0.35	-	-	-	-
	(D,P) 04	2.5 - 3.5	-	-	0.17	0.23	0.34	-	-	-
	(D,P) 05	2.5 - 4.0	-	-	0.13	0.19	0.25	0.32	-	-
	(D,P) 06	2.5 - 4.0	-	0.09	0.13	0.18	0.24	0.27	-	-
	(D,P) 07	3.0 - 5.0	-	-	-	0.14	0.19	0.24	0.30	0.35
	(D,P) 11	1.5 - 2.5	0.15	0.25	0.37	-	-	-	-	-
	(D,P) 18	3.0 - 5.0	-	-	-	0.11	0.14	0.18	0.23	0.28
	(D,P) 26	2.0 - 4.0	-	0.08	0.11	0.16	0.21	0.27	-	-
	(D,P) 27	3.0 - 5.0	-	-	-	0.11	0.15	0.18	0.23	0.28
	(D,P) 47	2.0 - 3.0	-	0.11	0.16	0.17	-	-	-	-
	(D,P) 50	3.5 - 5.0	-	-	-	-	0.16	0.21	0.27	0.33
	(D,P) 57	3.0 - 4.0	-	-	-	0.14	0.18	0.22	-	-
	(D,P) 72	2.0 - 3.0	-	0.19	0.27	0.37	-	-	-	-
	(D,P) 76	3.0 - 5.0	-	-	-	0.17	0.22	0.28	0.34	0.40
	(D,P) 77	3.5 - 5.0	-	-	0.11	0.14	0.19	0.21	0.27	0.34
	(D,P) 79	3.5 - 5.0	-	-	-	-	0.22	0.28	0.34	0.40

* D = Copper slab; P = Aluminum slab

^ Air pressure drop data is under dry coil conditions. For wet coil conversion at standard AHRI conditions, use 1.3 multiplier.

