

HD Series Dedicated Horizontal A-Coil Engineering & Specification Guide



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Features

- : Riffled copper tubing
- : Short cabinet with easy access
- : Patented lanced fin design
- : Refrigerant connections are 3/8" ODF liquid and 7/8" ODF suction.
- : Dual 3/4" FPT condensate drains on front of coil
- : Non-captive panels allow access to inside of cabinet without the need to cut refrigerant lines.
- : 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.
- : Florators & Pistons standard
- : Optional installed screw-on HP or A/C TX Valves
- : Heavy 24 gauge embossed galvanized cabinets fully lined with 5/8" foil faced insulation
- : All coils are foam packed with bar coding on label
- : Easy to use filler strip, if coil dimension is larger than furnace
- : Drain pan has trough to fully drain condensate away
- : Refrigerant connections available on front of coil
- : Microban®, antimicrobial additive in drain pan prevents mold and mildew growth.

Nomenclature

	H	D02	2	24	E	145	B	21	47	59		
Cabinet												Flrator Piston Size
H = Embossed Cabinet												*AP = TXV Access Port
A = Armstrong Color												R-22
R = Rheem Color												R-410A
Horizontal Coil Slab Number												53 = 18 MBTUH
												49 = 18 MBTUH
												53 = 24 MBTUH
												59 = 24 MBTUH
												67 = 30 MBTUH
												59 = 30 MBTUH
												73 = 36 MBTUH
												67 = 36 MBTUH
												80 = 42 MBTUH
												73 = 42 MBTUH
												84 = 48 MBTUH
												76 = 48 MBTUH
												93 = 60 MBTUH
												93 = 60 MBTUH
Metering Device												Note: Piston will always be sized to match the nominal btu rating of the coil.
1 = Piston (R-410A)												
2 = Piston (R-22)												
3 = Bleed A/C TXV (R-22 only)												
4 = Non Bleed A/C TXV (R-22)												
5 = Non Bleed HP TXV (R-22)												
6 = Non Bleed A/C TXV (R-410A)												
9 = Non Bleed HP TXV (R-410A)												
Nominal MBTUH												Product Code
												47 = Side Refrigerant Connections (standard).
Cabinet Depth												Width
E = 21.50" (standard)												21 = 21.5"
												26 = 26.5"
												31 = 31.5"
Cabinet Height												Duct Flange
145 = 14.5"												B = .75" (standard)
175 = 17.5"												
210 = 21.0"												
245 = 24.5"												

* Standard on factory installed TXVs. Optional for piston models.

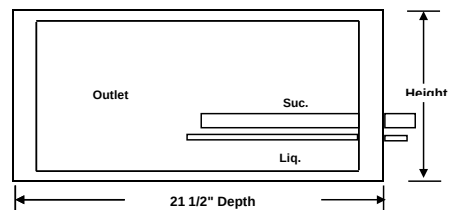
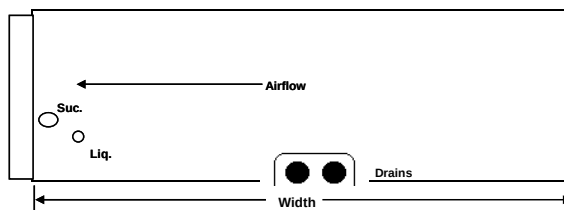
Dimensions

Coil Slab Number	Tonnage Range	Pallet Quantity				Width
		Cabinet Height				
		14.5"	17.5"	21.0"	24.5"	
D02	1.5 - 2.5	16	16	---	---	21.5"
D03	2 - 3	8	8	6	---	26.5"
D04	2.5 - 3.5	---	8	6	2	26.5"
D05	2.5 - 4	---	8	6	---	26.5"
D06	3 - 4	---	8	6	2	26.5"
D07	3 - 5	---	---	6	2	26.5"
D08	3.5 - 5	---	---	6	2	26.5"
D09	3.5 - 5	---	---	---	2	26.5"
D11	1.5 - 2.5	16	16	---	---	21.5"
D12	2 - 3	8	8	---	---	26.5"
D13	2.5 - 3.5	---	8	6	2	26.5"
D14	2.5 - 4	---	8	6	---	26.5"
D15	3 - 4	---	8	6	---	26.5"
D16	3 - 5	---	---	6	2	26.5"
D17	3.5 - 5	---	---	6	2	26.5"
D18	3 - 5	---	---	---	2	26.5"
D19	3.5 - 5	---	---	6	2	26.5"
D20	3.5 - 5	---	---	---	2	26.5"
D47	2 - 3	---	---	6	2	26.5"
D48	2 - 3	---	---	---	2	26.5"
D50	3.5 - 5	---	---	4	2	31.5"
D51	3.5 - 5	---	---	---	2	31.5"
D52	3.5 - 5	---	---	4	2	31.5"
D53	3.5 - 5	---	---	---	2	31.5"

Cabinet Height	14.5"	17.5"	21"	24.5"
Supply opening (Height x Depth)	13" x 19.75"	16" x 19.75"	19.5" x 19.75"	23" x 19.75"
Return opening (Height x Depth)	13.5" x 20.25"	16.5" x 20.25"	20" x 20.25"	23.5" x 20.25"

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

Drain Connections - 3/4" FPT



Airflow Data

Coil Slab Number	Tonnage	Dry Coil Pressure Drop (inches H ₂ O)*							
		CFM							
		600	800	1,000	1,200	1,400	1,600	1,800	2,000
D02	1.5 - 2.5	0.17	0.27	0.40	--	--	--	--	--
D03	2 - 3	--	0.16	0.24	0.32	--	--	--	--
D04	2.5 - 3.5	--	--	0.20	0.27	0.34	--	--	--
D05	2.5 - 4	--	--	0.16	0.22	0.28	0.35	--	--
D06	3 - 4	--	--	--	0.17	0.22	0.27	--	--
D07	3 - 5	--	--	--	0.15	0.19	0.24	0.30	0.35
D08	3 - 5	--	--	--	0.12	0.15	0.19	0.23	0.27
D09	3.5 - 5	--	--	--	--	0.13	0.16	0.19	0.23
D11	1.5 - 2.5	0.19	0.30	0.44	--	--	--	--	--
D12	2 - 3	--	0.19	0.27	0.37	--	--	--	--
D13	2.5 - 3.5	--	--	0.22	0.29	0.38	--	--	--
D14	2.5 - 4	--	--	0.18	0.24	0.31	0.39	--	--
D15	3 - 4	--	--	--	0.19	0.24	0.30	--	--
D16	3 - 5	--	--	--	0.17	0.22	0.27	0.33	0.39
D17	3 - 5	--	--	--	0.13	0.17	0.21	0.25	0.30
D18	3 - 5	--	--	--	0.11	0.14	0.18	0.22	0.26
D19	3.5 - 5	--	--	--	--	0.22	0.28	0.34	0.40
D20	3.5 - 5	--	--	--	--	0.19	0.24	0.29	0.34
D47	2 - 3	--	0.11	0.16	0.23	--	--	--	--
D48	2 - 3	--	0.09	0.14	0.19	--	--	--	--
D50	3.5 - 5	--	--	--	--	0.15	0.19	0.24	0.29
D51	3.5 - 5	--	--	--	--	0.13	0.16	0.20	0.24
D52	3.5 - 5	--	--	--	--	0.20	0.26	0.32	0.39
D53	3.5 - 5	--	--	--	--	0.17	0.22	0.27	0.33

*For wet coil conversion at standard ARI conditions, use 1.3 multiplier.



Advanced Distributor Products®

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2175 West Park Place Boulevard
Stone Mountain, GA. 30087
www.adpnw.com
adp.feedback@adpnw.com