Advanced Distributor Products®

Specification Guide

HD Series

Premier Horizontal Evaporator Coils

with Side Connections

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AHRI CERTIFIED www.ahridirectory.org ISO 9001:2008 Registered Quality System c UL us HealthySolutions® Premier evaporator coils Microban® antimicrobial product protection

2175 West Park Place Blvd., Stone Mountain, GA 30087
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Product Features

- Rifled copper tubing.
- Short cabinet with easy access.
- Lanced fin design.
- Dual 3/4" FPT condensate drains on front and back of coil allows flexibility of placement to accommodate left or right airflow furnaces.
- 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.
- 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.
- 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 D02 2 24 E 145 B 21 47 59

Cabinet Color
H = Embossed
A = Armstrong

Slab Number

Metering Device [1]
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)
7 = Bleed HP-A/C TXV (R-410A)
8 = Bleed A/C TXV (R-410A)
9 = Non-bleed HP TXV (R-410A)
[1] 7 and 8 valve options available only for York family products.

Nominal MBTUH

Cabinet Width
E = 21.5" (standard)

Cabinet Height
145 = 14.5"
175 = 17.5"
210 = 21.0"
245 = 24.5"

Florator Piston Size [2]
AP = TXV access port [3]

MBTUH	R-22	R-410A
18 =	53	49
24 =	59	53
30 =	67	59
36 =	73	67
42 =	80	73
48 =	84	76
60 =	93	93

[2] Piston will always be sized to match the nominal MBTUH rating of the coil.
[3] Standard on factory installed TXVs. Optional for piston models.

Product Code
47 = Refrigerant connections on side of cabinet

Cabinet Length
21 = 21.5"
26 = 26.5"
31 = 31.5"
Note: Cabinet length not a selectable option, see cased dimensions.

Duct Flange
B = 0.75" (standard)

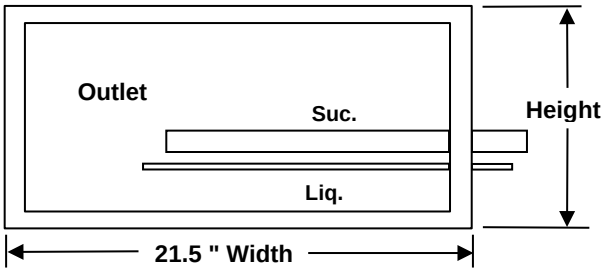
Dimensions

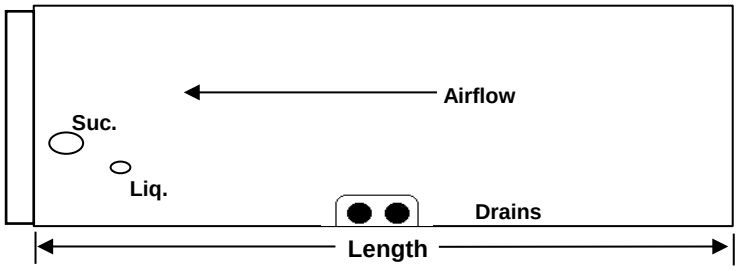
Slab Number	Nominal Tonnage	Pallet Quantity by Cabinet Height				Length (in)	Weight (lbs)
		14.5"	17.5"	21.0"	24.5"		
D02	1.5 - 2.5	16	16	-	-	21.5	47
D03	2.0 - 3.0	8	8	6	-	26.5	49
D04	2.5 - 3.5	-	8	6	2	26.5	45
D05	2.5 - 4.0	-	8	6	-	26.5	47
D06	3.0 - 4.0	-	8	6	2	26.5	50
D07	3.0 - 5.0	-	-	6	2	26.5	57
D08	3.5 - 5.0	-	-	6	2	26.5	80
D09	3.5 - 5.0	-	-	-	2	26.5	87
D11	1.5 - 2.5	16	16	-	-	21.5	50
D12	2.0 - 3.0	8	8	-	-	26.5	50
D13	2.5 - 3.5	-	8	6	2	26.5	50
D14	2.5 - 4.0	-	8	6	-	26.5	50
D15	3.0 - 4.0	-	8	6	-	26.5	56
D16	3.0 - 5.0	-	-	6	2	26.5	64
D17	3.5 - 5.0	-	-	6	2	26.5	56
D18	3.0 - 5.0	-	-	-	2	26.5	58
D19	3.5 - 5.0	-	-	6	2	26.5	60
D20	3.5 - 5.0	-	-	-	2	26.5	60
D47	2.0 - 3.0	-	-	6	2	26.5	60
D48	2.0 - 3.0	-	-	-	2	26.5	60
D50	3.5 - 5.0	-	-	4	2	31.5	63
D51	3.5 - 5.0	-	-	-	2	31.5	63
D52	3.5 - 5.0	-	-	4	2	31.5	63
D53	3.5 - 5.0	-	-	-	2	31.5	63

Opening Type	Opening Dimemsions 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"

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

Drain Connections
3/4" FPT





Airflow Data

Slab Number	Nominal Tonnage	^ Air Pressure Drop (in WC) by CFM							
		600	800	1000	1200	1400	1600	1800	2000
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

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

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