SG-HDC-15
January 2021

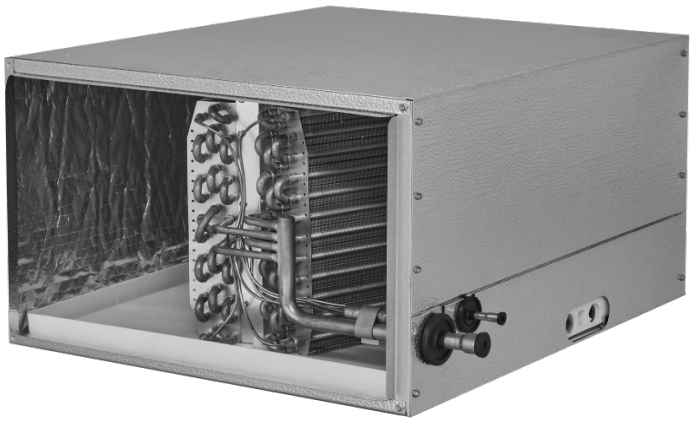
Advanced Distributor Products®

Specification Guide

HD Series

Premier Horizontal Evaporator Coils

with Side Connections



Contents **Page**

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PROTECTION THAT LIVES ON MICROBAN®

2175 West Park Place Blvd., Stone Mountain, GA 30087
www.adpnow.com

Product Features

- Rifled copper tubing.
- Lanced fin design.
- 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 D02 1 24 E 145 B 21 47 AP

Cabinet Color
- **H** = Embossed
- **A** = Armstrong
- **C** = Carrier / Bryant / Payne
- **D** = Ducane / Aire-Flo
- **G** = ICP
- **J** = Goodman / Amana
- **N** = Nordyne
- **R** = Rheem / Ruud
- **T** = Trane / American Standard
- **Y** = York / Luxaire / Coleman

Slab Number
- **D** = Copper slab
- **P**= Aluminum slab

Metering Device
- 1 = Piston (R-410A) [1]
- 9 = Non-bleed HP TXV (R-410A)

Nominal MBTUH

Cabinet Width
- E = 21.5" (standard)

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

Duct Flange
- B = 0.75" (standard)

Cabinet Length
- 21 = 21.5"
- 26 = 26.5"
- 31 = 31.5"

Note: Cabinet length not a selectable option, see cased dimensions.

Product Code
- 47 = Refrigerant connections on side of cabinet

AP = TXV access port [1]

[1] Piston will always be sized to match the nominal MBTUH rating of the coil.

Installed Piston Sizes	
MBTUH	R-410A
12	41
18	49
24	53
30	59
36	67
42	73
48	76
60	93

"Core" options are preferred and will have better pricing and availbility versus "Non-Core" options.

Dimensions

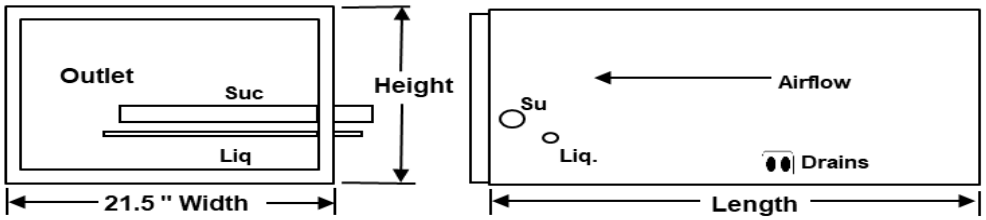
	Slab * Number	Nominal Tonnage	Dimensions (in)		Pallet Qty	Weight (lbs)	
			Height	Length		CU	AL
Core Slabs	**(D,P) 12**	2.0 - 3.0	14.5	26.5	8	50	40
	(D,P) 13	2.5 - 3.5	17.5	21.5	8	50	40
	(D,P) 14	2.5 - 4.0	17.5	26.5	8	50	40
	(D,P) 15	3.0 - 4.0	17.5	26.5	8	56	45
	(D,P) 16	3.0 - 5.0	21	26.5	4	61	49
	(D,P) 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 Dimemsions by Cabinet Height			
Opening Type	**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
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.

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