

Specification Guide

HD Series

Premier Horizontal Evaporator Coils

with Side Connections



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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"																												
										AP = TXV access port ^[1]																		
										Product Code 47 = Refrigerant connections on side of cabinet																		
										Cabinet Length 21 = 21.5" 26 = 26.5" 31 = 31.5"																		
										<i>Note: Cabinet length not a selectable option, see cased dimensions.</i>																		
										Duct Flange B = 0.75" (standard)																		
										Installed Piston Sizes <table border="1"> <thead> <tr> <th>MBTUH</th> <th>R-410A</th> </tr> </thead> <tbody> <tr><td>12</td><td>41</td></tr> <tr><td>18</td><td>49</td></tr> <tr><td>24</td><td>53</td></tr> <tr><td>30</td><td>59</td></tr> <tr><td>36</td><td>67</td></tr> <tr><td>42</td><td>73</td></tr> <tr><td>48</td><td>76</td></tr> <tr><td>60</td><td>93</td></tr> </tbody> </table>	MBTUH	R-410A	12	41	18	49	24	53	30	59	36	67	42	73	48	76	60	93
MBTUH	R-410A																											
12	41																											
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[1] Piston will always be sized to match the nominal MBTUH rating of the coil.

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

Dimensions

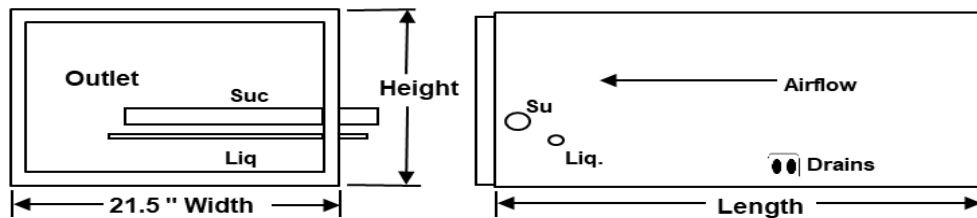
	Slab * Number	Nominal Tonnage	Dimensions (in)		Pallet Qty	Weight (lbs)	
			Height	Length		CU	AL
Core Slabs	(D,P) 12	2.0 - 3.0	14.5	26.5	8	50	40
	(D,P) 13	2.5 - 3.5	17.5	21.5	8	50	40
	(D,P) 14	2.5 - 4.0	17.5	26.5	8	50	40
	(D,P) 15	3.0 - 4.0	17.5	26.5	8	56	45
	(D,P) 16	3.0 - 5.0	21	26.5	4	61	49
	(D,P) 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
Non-Core Slabs	(D,P) 78	2.0 - 4.0	17.5	31.5	4	70	56
	(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"

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	-	-
Non-Core Slabs	(D,P) 78	2.0 - 4.0	-	0.09	0.12	0.17	0.23	0.30	-	-
	(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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