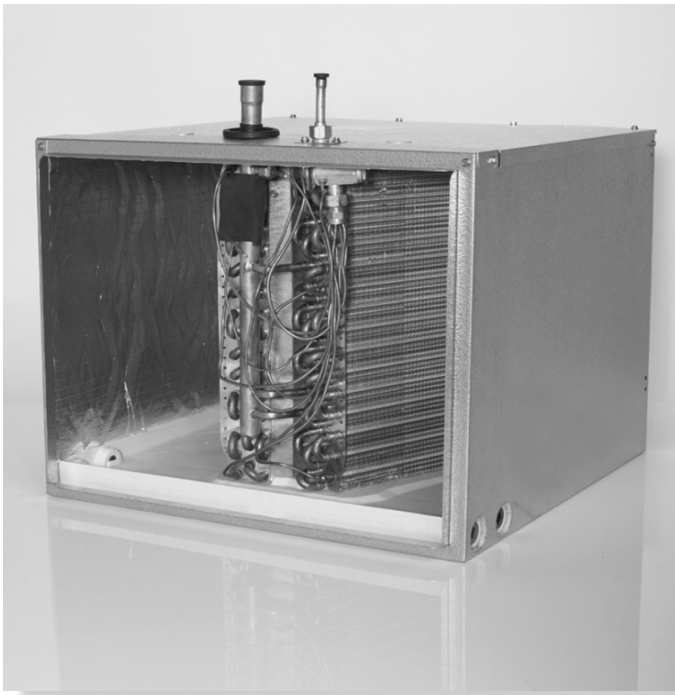


## Specification Guide

# V Series

## Premier Horizontal Evaporator Coils

with Top Connections



<b>Contents</b>	<b>Page</b>
Product Features .....	2
Nomenclature.....	2
Dimensions .....	3
Airflow Data.....	4



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# Product Features

- Short cabinet with easy access.
- High efficiency lanced fin design.
- R-22, R-410, A/C & heat pump compatible.
- Copper refrigerant connections for easy brazing on both copper and aluminum slab models.
- Dual 3/4" FPT condensate drains on front and back of coil allows flexibility of placement to accommodate left or right airflow furnaces.
- Easy to remove access panel with only 4 screws.
- Non-captive panels allow access to inside of cabinet without the need to cut refrigerant lines.
- Refrigerant connections on top of coil.
- Coils are air pressure tested at 500 psi, leak tested with helium, sealed with rubber plugs, then charged with dry air.
- Piston models standard with TXV access port.
- Threaded expansion valves available factory installed or as a field installed kit.
- Copper distributor tube assembly provides brass to brass threads for trouble-free service of TXV.
- Heavy gauge cabinets fully lined with 5/8" foil faced insulation.
- Cabinets are available in multiple colors or embossed steel.
- All coils are foam packed and include bar coding on label.
- Easy to use filler strip, for use if coil dimensions are larger than furnace.
- Dedicated cutouts for condensate drains reduce air leakage.
- Intertek lab tested 1% or less cabinet air leakage for better efficiency.
- Microban® antimicrobial additive to inhibit the growth of mold and mildew in the drain pan.
- Patented HydroTEC™ low water retention drain pan.
- UV resistant drain pans are molded of high temperature (450 deg. F) engineered polymer.
- Refrigerant connections are 3/8" ODF liquid and 7/8" ODF suction.
- Refrigerant connections in center of coil away from airflow path.

# Nomenclature

	<b>V</b>	<b>24</b>	<b>H</b>	<b>140</b>	<b>D03</b>	<b>6</b>																												
<p><b>Cabinet Color</b></p> <p><b>V</b> = Embossed</p> <p><b>A</b> = Armstrong</p> <p><b>C</b> = Carrier / Bryant / Payne</p> <p><b>D</b> = Ducane / Aire-Flo</p> <p><b>G</b> = ICP</p> <p><b>J</b> = Goodman / Amana</p> <p><b>L</b> = Lennox</p> <p><b>N</b> = Nordyne</p> <p><b>R</b> = Rheem / Ruud</p> <p><b>T</b> = Trane / American Standard</p> <p><b>Y</b> = York / Luxaire / Coleman</p>					<p><b>Metering Device</b></p> <p><b>1</b> = Piston (R-410A)**</p> <p><b>2</b> = Piston (R-22)**</p> <p><b>3</b> = Bleed A/C TXV (R-22)</p> <p><b>4</b> = Non-Bleed A/C TXV (R-22)</p> <p><b>5</b> = Non-Bleed HP-A/C TXV (R-22)</p> <p><b>6</b> = Non-Bleed A/C TXV (R-410A)</p> <p><b>9</b> = Non-Bleed HP-A/C TXV (R-410A)</p>																													
<p><b>Nominal MBTUH</b></p>					<p><b>Slab Number</b></p> <p><b>D</b> = Copper slab</p> <p><b>P</b> = Aluminum slab</p>																													
<p><b>Coil Type</b></p> <p><b>H</b> = Horizontal A-Coil</p>					<p><b>Installed Piston Sizes</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>MBTUH</th> <th>R-22</th> <th>R-410A</th> </tr> </thead> <tbody> <tr><td>12</td><td>41</td><td>41</td></tr> <tr><td>18</td><td>53</td><td>49</td></tr> <tr><td>24</td><td>59</td><td>53</td></tr> <tr><td>30</td><td>67</td><td>59</td></tr> <tr><td>36</td><td>73</td><td>67</td></tr> <tr><td>42</td><td>80</td><td>73</td></tr> <tr><td>48</td><td>84</td><td>76</td></tr> <tr><td>60</td><td>93</td><td>93</td></tr> </tbody> </table>		MBTUH	R-22	R-410A	12	41	41	18	53	49	24	59	53	30	67	59	36	73	67	42	80	73	48	84	76	60	93	93	
MBTUH	R-22	R-410A																																
12	41	41																																
18	53	49																																
24	59	53																																
30	67	59																																
36	73	67																																
42	80	73																																
48	84	76																																
60	93	93																																
<p><b>Cabinet Height</b></p> <p><b>140</b> = 14.00" (Rheem / Ruud)</p> <p><b>142</b> = 14.25" (Carrier / Bryant / Payne)</p> <p><b>145</b> = 14.50"</p> <p><b>175</b> = 17.50"</p> <p><b>210</b> = 21.00"</p> <p><b>245</b> = 24.50"</p> <p><b>252</b> = 25.25"</p>					<p><i>** Piston will always be sized to match the nominal BTU rating of the coil.</i></p>																													

# Dimensions

Slab * Number	Nominal Tonnage	Dimensions (in)		Pallet Qty	Weight (lbs)	
		Height	Length		CU	AL
(D,P) 02	2.0 - 3.0	14/14.25/14.5	21.5	16	47	38
(D,P) 03	2.0 - 3.0	14/14.25/14.5	26.5	8	49	40
(D,P) 04	2.5 - 3.5	17.5	21.5	16	45	36
(D,P) 05	2.5 - 4.0	17.5	26.5	4	47	38
(D,P) 06	3.0 - 4.0	17.5	26.5	4	50	40
(D,P) 07	3.0 - 5.0	21	26.5	6	51	41
(D,P) 08	3.5 - 5.0	21	26.5	6	80	64
(D,P) 09	3.5 - 5.0	24.5	26.5	2	87	70
(D,P) 11	1.5 - 2.5	14/14.25/14.5	21.5	16	50	40
(D,P) 12	2.0 - 3.0	14/14.25/14.5	26.5	8	50	40
(D,P) 13	2.5 - 3.5	17.5	21.5	16	50	40
(D,P) 14	2.5 - 4.0	17.5	26.5	4	50	40
(D,P) 15	3.0 - 4.0	17.5	26.5	4	56	45
(D,P) 16	3.0 - 5.0	21	26.5	6	61	49
(D,P) 17	3.5 - 5.0	21	26.5	6	64	52
(D,P) 18	3.0 - 5.0	24.5	26.5	2	58	47
(D,P) 19	3.5 - 5.0	21	26.5	6	60	48
(D,P) 20	3.5 - 5.0	24.5	26.5	2	60	48
(D,P) 25	2.5 - 3.0	17.5	26.5	4	50	40
(D,P) 26	2.0 - 4.0	17.5	31.5	6	53	43
(D,P) 27	3.0 - 5.0	21	31.5	4	63	51
(D,P) 28	2.5 - 3.0	21	26.5	6	62	50
(D,P) 29	3.5 - 5.0	21	31.5	4	64	52
(D,P) 30	3.5 - 5.0	21	36.5	6	80	64
(D,P) 36	3.0 - 4.0	17.5	26.5	4	55	44
(D,P) 38	3.0 - 4.0	17.5	31.5	4	56	45
(D,P) 42	1.5 - 3.0	14/14.25/14.5	26.5	8	50	40
(D,P) 43	1.5 - 3.0	14/14.25/14.5	36.5	8	60	48
(D,P) 44	1.5 - 3.0	14/14.25/14.5	31.5	8	58	47
(D,P) 45	2.5 - 3.5	17.5	26.5	4	56	45
(D,P) 46	2.0 - 4.0	17.5	36.5	4	63	51
(D,P) 47	3.0 - 4.0	21	26.5	6	60	48
(D,P) 48	2.0 - 3.0	24.5	26.5	2	60	48
(D,P) 49	4.0 - 5.0	24.5	26.5	2	87	70

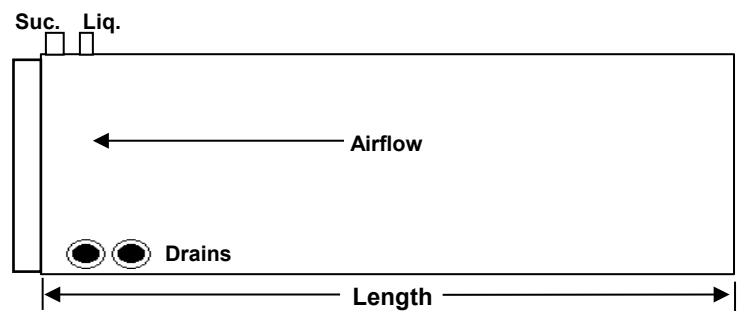
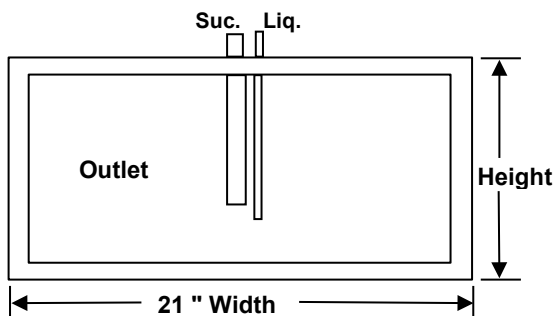
Slab * Number	Nominal Tonnage	Dimensions (in)		Pallet Qty	Weight (lbs)	
		Height	Length		CU	AL
(D,P) 50	3.5 - 5.0	21	31.5	4	63	51
(D,P) 51	3.5 - 5.0	24.5	31.5	4	63	51
(D,P) 52	3.5 - 5.0	21	31.5	4	63	51
(D,P) 53	3.5 - 5.0	24.5	31.5	4	63	51
(D,P) 54	3.5 - 5.0	25.25	31.5	4	75	60
(D,P) 56	4.0 - 5.0	24.5	36.5	2	75	60
(D,P) 57	3.5 - 4.0	21	31.5	4	63	51
(D,P) 58	3.5 - 5.0	24.5	26.5	2	58	47
(D,P) 59	3.5 - 5.0	24.5	31.5	4	60	48
(D,P) 62	2.0 - 2.5	17.5	21.5	16	47	38
(D,P) 63	2.0 - 3.0	17.5	21.5	16	48	39
(D,P) 64	2.5 - 3.5	21	21.5	12	45	36
(D,P) 65	3.0 - 4.0	21	21.5	12	45	36
(D,P) 66	3.0 - 4.0	21	21.5	12	64	52
(D,P) 67	3.0 - 5.0	24.5	21.5	4	67	54
(D,P) 68	3.5 - 5.0	24.5	26.5	2	73	59
(D,P) 71	2.0 - 2.5	17.5	21.5	16	50	40
(D,P) 72	2.0 - 3.0	17.5	21.5	16	53	43
(D,P) 73	2.5 - 3.5	21	21.5	12	50	40
(D,P) 74	3.0 - 4.0	21	21.5	12	50	40
(D,P) 75	3.0 - 4.0	21	21.5	12	50	40
(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	2	74	60
(D,P) 78	2.0 - 4.0	17.5	31.5	6	70	56
(D,P) 79	3.5 - 5.0	24.5	26.5	2	75	60
(D,P) 87	2.0 - 3.0	24.5	26.5	2	70	56
(D,P) 88	2.5 - 3.0	21	21.5	12	56	45
(D,P) 89	2.5 - 3.0	21	21.5	12	56	45

\* D = Copper slab; P = Aluminum slab

Cabinet Height (in)	14	14.25	14.5	17.5	21	24.5	25.25
Supply opening H x W	12.5 x 19.5	12.75 x 19.5	13 x 19.5	16 x 19.5	19.5 x 19.5	23 x 19.5	23.75 x 19.5
Return opening H x W	13 x 20	13.25 x 20	13.5 x 20	16.5 x 20	20 x 20	23.5 x 20	24.25 x 20

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

**Drain Connections - 3/4" FPT** Condensate drain connections on both the front and back sides of cabinet.



# Airflow Data

Slab * Number	Nominal Tonnage	^ Air Pressure Drop (in WC) by CFM							
		600	800	1000	1200	1400	1600	1800	2000
(D,P) 02	1.5 - 2.5	0.17	0.27	0.40	-	-	-	-	-
(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) 08	3.5 - 5.0	-	-	-	0.13	0.17	0.21	0.27	0.32
(D,P) 09	3.5 - 5.0	-	-	-	-	0.15	0.18	0.23	0.27
(D,P) 11	1.5 - 2.5	0.15	0.25	0.37	-	-	-	-	-
(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	-	-	-	0.14	0.19	0.24	0.25	0.36
(D,P) 18	3.0 - 5.0	-	-	-	0.11	0.14	0.18	0.23	0.28
(D,P) 19	3.5 - 5.0	-	-	-	-	0.22	0.33	0.41	0.48
(D,P) 20	3.5 - 5.0	-	-	-	-	0.19	0.24	0.29	0.34
(D,P) 25	2.5 - 3.0	-	-	0.15	0.21	-	-	-	-
(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) 28	2.5 - 3.0	-	-	-	0.14	0.19	0.23	0.29	0.35
(D,P) 29	3.5 - 5.0	-	-	-	-	0.12	0.15	0.19	0.23
(D,P) 30	3.5 - 5.0	-	-	-	-	0.15	0.19	0.24	0.29
(D,P) 36	3.0 - 4.0	-	-	-	0.20	0.27	0.33	-	-
(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) 43	1.5 - 3.0	0.07	0.12	0.17	0.24	-	-	-	-
(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) 46	2.0 - 4.0	-	0.05	0.08	0.11	0.15	0.19	-	-
(D,P) 47	2.0 - 3.0	-	0.11	0.16	0.17	-	-	-	-
(D,P) 48	2.0 - 3.0	-	0.09	0.14	0.19	-	-	-	-
(D,P) 49	4.0 - 5.0	-	-	-	-	0.16	0.20	0.25	0.30
(D,P) 50	3.5 - 5.0	-	-	-	-	0.16	0.21	0.27	0.33
(D,P) 51	3.5 - 5.0	-	-	-	-	0.12	0.15	0.19	0.23
(D,P) 52	3.5 - 5.0	-	-	0.12	0.16	0.20	0.26	0.32	0.39
(D,P) 53	3.5 - 5.0	-	-	-	-	0.17	0.22	0.27	0.33
(D,P) 54	3.5 - 5.0	-	-	-	-	0.16	0.20	0.25	0.30
(D,P) 56	4.0 - 5.0	-	-	-	-	0.13	0.16	0.21	0.25
(D,P) 57	3.0 - 3.5	-	-	-	0.14	0.18	-	-	-
(D,P) 58	3.5 - 5.0	-	-	-	-	0.17	0.22	0.28	0.33
(D,P) 59	3.5 - 5.0	-	-	-	-	0.18	0.23	0.29	0.34
(D,P) 62	1.5 - 2.5	0.13	0.22	0.32	-	-	-	-	-
(D,P) 63	2.0 - 3.0	-	0.17	0.24	0.33	-	-	-	-
(D,P) 64	2.5 - 3.5	-	-	0.19	0.26	0.34	-	-	-
(D,P) 65	2.5 - 4.0	-	-	0.17	0.23	0.30	-	-	-
(D,P) 66	3.0 - 4.0	-	-	-	0.18	0.24	0.30	-	-
(D,P) 67	3.0 - 5.0	-	-	-	0.16	0.20	0.25	0.31	0.37
(D,P) 68	3.5 - 5.0	-	-	-	-	0.15	0.19	0.23	0.27
(D,P) 71	1.5 - 2.5	0.15	0.24	0.35	-	-	-	-	-
(D,P) 72	2.0 - 3.0	-	0.19	0.27	0.37	-	-	-	-
(D,P) 73	2.5 - 4.0	-	-	0.21	0.29	0.37	-	-	-
(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) 76	3.0 - 5.0	-	-	-	0.17	0.22	0.28	0.34	0.40
(D,P) 77	3.5 - 5.0	-	-	-	-	0.19	0.21	0.27	0.34
(D,P) 78	2.0 - 4.0	-	0.09	0.12	0.17	0.23	0.30	-	-
(D,P) 79	3.5 - 5.0	-	-	-	-	0.22	0.28	0.34	0.40
(D,P) 87	2.0 - 3.0	-	0.09	0.13	0.17	-	-	-	-
(D,P) 88	2.5 - 3.0	-	-	0.21	0.29	-	-	-	-
(D,P) 89	2.5 - 3.0	-	-	0.13	0.18	-	-	-	-

\* 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.