

Specification Guide

Contractors HVAC Supply

Premier Evaporator Coil Collection



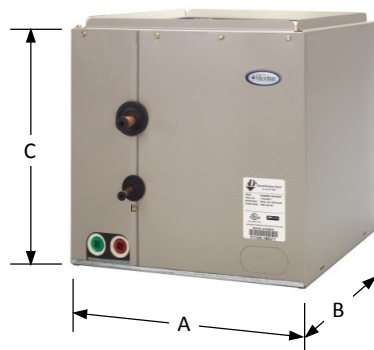
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ADP Premier Evaporator Coils

Vertical Upflow / Downflow Specifications



A = Width
 B = Depth
 C = Height (excluding 3/4" top flange)

Supply Opening: (A - 1½") x (B - 1½")
 Return Opening: (A - 1") x (B - ½")

Refrigerant Connections:
 Liquid - ¾" ODF
 Suction - ¾" ODF (18-36 MBTUH)
 ¾" ODF (42-60 MBTUH)

Tonnage	ADP Model No. ¹	Dimensions (see fig above)			Face Velocity ³ fpm @ cfm		Pressure Drop (in inches w.c.) by cfm						
		A	B	C			600	800	1000	1200	1400	1600	2000
Replacement (non-rated) ¹													
1.5 - 2	PA03624D142B1605AP	14.25"	21.0"	16.5"	257	800							
	PA03624D175B1605AP	17.5"											
2.5	PA04630D142B1805AP	14.25"	21.0"	18.5"	281	1000							
	PA04630D175B1805AP	17.5"											
2.5 - 3	PA04636D142B1805AP	14.25"	21.0"	18.5"	337	1200							
	PA04636D175B1805AP	17.5"											
	PA04636D210B1805AP	21.0"											
3.5 - 4	PA06648D175B2005AP	17.5"	21.0"	25.5"	360	1600							
	PA06648D210B2005AP	21.0"											
AC 13 SEER ^{1 2 *}													
1.5 - 2	C24A142C036	14.25"	21.0"	18.5"	225	800	0.12	0.16	0.21	0.27			
	C24A175C036	17.5"					0.07	0.12	0.17	0.22	0.27		
2.5 - 3	C36A142C136	14.25"	21.0"	18.5"	337	1200		0.19	0.24	0.30	0.37		
	C36A175C136	17.5"						0.17	0.19	0.24	0.32		
	C36A210C136	21.0"						0.14	0.15	0.20	0.29		
3.5 - 4	C48A175C156	17.5"	21.0"	21.5"	360	1600			0.21	0.24	0.27	0.30	
	C48A210C156	21.0"							0.15	0.20	0.25	0.30	
5	C60A210C186	21.0"	21.0"	27.5"	346	2000				0.13	0.23	0.26	0.28
	C60A245C186	24.5"								0.13	0.23	0.26	0.28
AC 15 SEER / 12.5 EER ^{1 2 *}													
1.5 - 2 - 3	C36A175C536	17.5"	21.0"	31.5"	180	1200	0.06	0.10	0.14	0.19	0.22	0.31	
	C36A210C536	21.0"							0.14	0.18	0.21	0.29	
3.5 - 4 - 5	C60A210C886	21.0"	21.0"	27.5"	347	2000					0.35	0.36	0.39
	C60A245C886	24.5"									0.35	0.36	0.39

1 - Cased copper Evaporator Coils with furnace matched finish and factory installed AC-TXV R-410A.

All coils have left hand connections.

2 - For Heat Pump applications install a HP-TXV R-410A.

3 - Face velocity above 350 fpm not recommended for downflow applications due to potential water blow-off.

* - Coils selected for AHRI Rated Matches with:



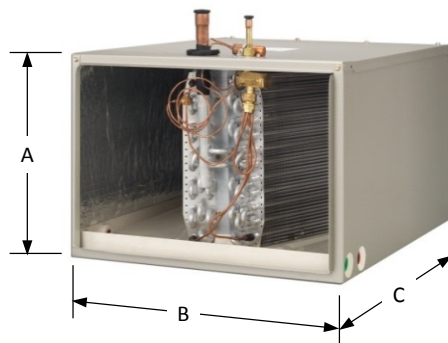
24ABB3, 24ABC6, 24ACC6, 24ANB7, 24ANB1



113ANA, 116BNA, 126BNA, 127BNA, 180BNA

ADP Premier Evaporator Coils

Horizontal Specifications



A = Height
 B = Width
 C = Length (excluding 3/4" top flange)

Supply Opening: (A - 1½") x (B - 1½")
 Return Opening: (A - 1") x (B - 1")

Refrigerant Connections:
 Liquid - ⅜" ODF
 Suction - ⅝" ODF

Tonnage	ADP Model No. ¹	Dimensions (see fig above)			Face Velocity fpm @ cfm	Pressure Drop (in inches w.c.) by cfm								
		A	B	C		600	800	1000	1200	1400	1600	1800	2000	
AC 13 SEER ^{1 2 *}														
1.5 - 2 - 2.5	C24H142D116	14.25"	21"	21.5	343	800	0.15	0.25	0.37					
	C24H175D716	17.5"			0.15		0.24	0.35						
2.5 - 3	C36H175D146	17.5"	21"	26.5"	400	1200			0.17	0.24	0.32	0.41		
	C36H210D746	21"						0.19	0.25	0.33	0.41			
3.5 - 4	C48H175D156	17.5"	21"	26.5"	343	1600			0.14	0.20	0.28	0.35		
	C48H210D756	21"							0.20	0.26	0.33			
5	C60H210D176	21"	21"	26.5"	343	2000				0.14	0.19	0.24	0.25	0.36
	C60H245D776	24.5"								0.19	0.21	0.27	0.34	
AC 15 SEER/ 12.5 EER ^{1 2 *}														
1.5 - 2 - 3	C36H142D436	14.25"	21"	36.5"	240	1200	0.07	0.12	0.17	0.24				
	C36H175D466	17.5"					0.05	0.08	0.11	0.15	0.19			
3.5 - 4 - 5	C60H210D196	21"	21"	26.5"	343	2000					0.22	0.33	0.41	0.48
	C60H245D206	24.5"									0.19	0.24	0.29	0.34

1 - Cased copper Evaporator Coils with furnace matched finish and factory installed AC-TXV R-410A. Line set connections are on the top.

2 - For Heat Pump applications install a HP-TXV R-410A.

* - Coils selected for AHRI Rated Matches with:



24ABB3, 24ABC6, 24ACC6, 24ANB7, 24ANB1



113ANA, 116BNA, 126BNA, 127BNA, 180BNA

Important

Coils Equipped with TXV

ADP recommends placing a wet rag around the suction line at the cabinet during brazing to prevent overheating and damaging the sensing bulb. For optimum performance, reattach and insulate the bulb at a 10 to 2 o'clock position outside of the cabinet to the main suction line no more than one foot from the suction line connection.

Downflow Applications

ADP Coils are designed for upflow or downflow applications. Airflow face velocity above 350 ft/min is not recommended for downflow applications due to potential water blow-off. Refer to the Tables on page 2 for limitations of the coil you may be considering. In downflow applications, aluminum foil tape must be applied to seal the top edge of the insulation to the cabinet. This tape will prevent the possibility of the insulation delaminating and blocking airflow.

For additional information please refer to the ADP Installation Instruction (IM-HAC-0966540-12) which comes with each coil and can also be found at www.ADPnow.com.

For Technical Support contact Contractors HVAC Supply @ 801-381-6317 OR ADP Tech Support @ 866-303-8634

C Series Nomenclature - Vertical & Horizontal

C	24	A	210	C01	6																									
C Series Collection *				Metering Device 6 = Non-Bleed A/C TXV (R-410A) 9 = Non-Bleed HP-A/C TXV (R-410A)																										
Nominal MBTUH Capacity				Slab Number <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">VERTICAL A-COILS</th> <th colspan="2">HORIZONTAL A-COILS</th> </tr> <tr> <th>Copper</th> <th>Aluminum</th> <th>Copper</th> <th>Aluminum</th> </tr> </thead> <tbody> <tr> <td>C01</td> <td>L01</td> <td>D01</td> <td>P01</td> </tr> <tr> <td>C02</td> <td>L02</td> <td>D02</td> <td>P02</td> </tr> <tr> <td>C03</td> <td>L03</td> <td>D03</td> <td>P03</td> </tr> <tr> <td>C04, etc.</td> <td>L04, etc.</td> <td>D04, etc.</td> <td>P04, etc.</td> </tr> </tbody> </table>			VERTICAL A-COILS		HORIZONTAL A-COILS		Copper	Aluminum	Copper	Aluminum	C01	L01	D01	P01	C02	L02	D02	P02	C03	L03	D03	P03	C04, etc.	L04, etc.	D04, etc.	P04, etc.
VERTICAL A-COILS		HORIZONTAL A-COILS																												
Copper	Aluminum	Copper	Aluminum																											
C01	L01	D01	P01																											
C02	L02	D02	P02																											
C03	L03	D03	P03																											
C04, etc.	L04, etc.	D04, etc.	P04, etc.																											
Coil Type/Style (Painted Only) A = Upflow/Downflow Cased A-Coil H = Dedicated Horizontal A-Coil				* Cabinet coordinates with Carrier color																										
Cabinet Dimension Width ("A" Upflow/Downflow Cased A-Coils) Height ("H" Dedicated Horizontal A-Coils) 142 = 14.25" 175 = 17.5" 210 = 21.0" 245 = 24.5"																														

PE & HE Series Nomenclature - Vertical

H	E30	2	24	C	145	B	12	05	AP																												
Cabinet Color H = Embossed P = Carrier/Bryant/Payne									Piston Size ^[1] AP = TXV access port ^[2] AW = TXV access port w/bulb wrap <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> ^[1] Piston will always be sized to match the nominal BTU rating of the coil. ^[2] TXV access port standard on factory installed TXVs; optional on piston models.		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																																			
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30	67	59																																			
36	73	67																																			
42	80	73																																			
48	84	76																																			
60	93	93																																			
Slab Number E & A = Copper slab G & B = Aluminum slab									Product Code 04 = Left-hand uncased																												
Metering Device 1 = Piston (R-410A) 2 = Piston (R-22) 3 = Bleed A/C TXV (R-22) 4 = Non-bleed A/C TXV (R-22) 5 = Non-bleed HP-A/C TXV (R-22) 6 = Non-bleed A/C TXV (R-410A) 9 = Non-bleed HP-A/C TXV (R-410A)									Cabinet Height 00 = Uncased <i>Note: Cabinet heights not a selectable option, see cased dimensions.</i> 12 = 12.5" 16 = 16.5" 18 = 18.5" (up to 31.5")																												
Nominal MBTUH									Cabinet Upper Notch B = .75" (standard)																												
Cabinet Depth D = 21.0"									<i>Note 1: Cabinet upper notch is the horizontal distance between top of flange and front of cabinet.</i> <i>Note 2: If cabinet upper notch is anything other than standard (B), cabinet height must be increased to next offered size.</i>																												
Width 130 = 13.00" 132 = 13.25" 135 = 13.50" 137 = 13.75" 140 = 14.00" (up to 26.75")																																					

