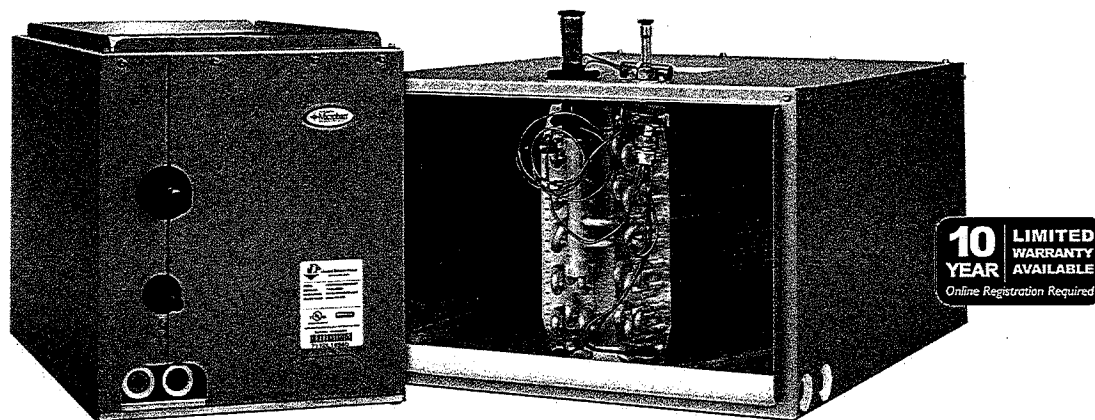


Specification Guide

Contractors HVAC Supply

Premier Evaporator Coil Collection



HealthySolutions®
Premier evaporator coils

Microban®
antimicrobial product protection

Contents	Page
Vertical A-Coil Specs	2
Horizontal A-Coil Specs	3
Nomenclature	4

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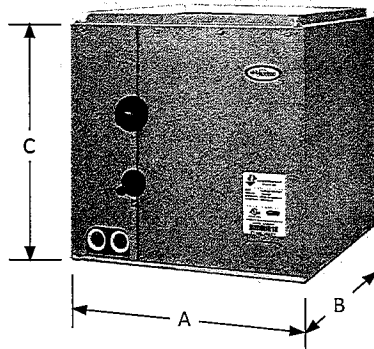
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ADP Premier Evaporator Coils

Vertical Upflow / Downflow Specifications



Advanced Distributor Products®



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

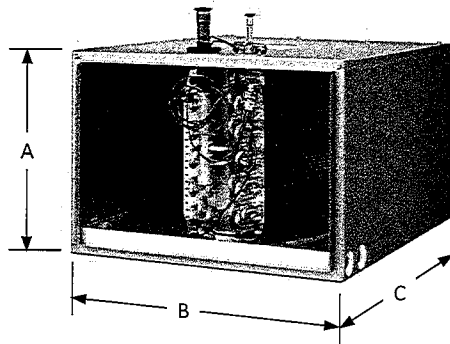


Heating & Cooling Systems

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 - 3/8" ODF
 Suction - 1/2" 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																																			
Coil Type/Style (Painted Only)				Slab Number <table><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><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></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.																																
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"																																			

* Cabinet coordinates with Carrier color

* Cabinet coordinates with Carrier color

PE & HE Series Nomenclature - Vertical

H	E30	2	24	C	145	B	12	05	AP																											
Cabinet Color H = Embossed P = Carrier/Bryant/Payne				Slab Number E & A = Copper slab G & B = Aluminum slab				Piston Size ^[1] AP = TXV access port ^[2] AW = TXV access port w/bulb wrap <table><tr><th>MBTUH</th><th>R-22</th><th>R-410A</th></tr><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></table> <i>[1] Piston will always be sized to match the nominal BTU rating of the coil.</i> <i>[2] TXV access port standard on factory installed TXVs; optional on piston models.</i>		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																																		
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48 =	84	76																																		
60 =	93	93																																		
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)				Product Code 04 = Left-hand uncased				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)				<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>																												
Cabinet Depth D = 21.0"				Width 130 = 13.00" 132 = 13.25" 135 = 13.50" 137 = 13.75" 140 = 14.00" (up to 26.75")																																

