

Specification Guide



Made in USA

CB Series

Aluminum Evaporator Coil Collection



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Product improvement is a continuous process at Advanced Distributor Products. Therefore, product specifications are subject to change without notice and without obligation on our part. Please contact your ADP representative or distributor to verify details.

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Product Features

General Features

- High efficiency lanced fin design.
- “No-hassle” 5 year warranty.
- 10-Year limited warranty. Simply register online at www.adpwarranty.com.
- AC & Heat Pump compatible (with appropriate TXV selection)
- Cabinets are painted to coordinate with Carrier color.
- Heavy gauge cabinets fully lined with 5/8" foil faced insulation.
- All coils have durable packaging with bar coded labels on the box.
- Threaded expansion valves factory installed.
- Coils are air pressure tested at 500 psi, leak tested with helium, sealed with rubber plugs, then charged with dry air.
- Copper refrigerant connections for easy brazing on both copper and aluminum slab models.
- UV resistant drain pans are molded of high temperature (450 deg. F) engineered polymer.
- Microban® antimicrobial additive to inhibit the growth of mold and mildew in the drain pan.
- HydroTEC™ low water retention drain pan.

Upflow / Downflow A-Coil

- Corrosion resistant coil header plates.
- Cabinet insulation hold down tabs for easy drain pan removal.
- Interlocking doors reduce air leakage and allow for easy access.
- Enhanced refrigerant pipe grommets: secure, tight, and easy to install.
- Intertek lab tested 1% or less cabinet air leakage for better efficiency.
- Foam drain seal for reduced air leakage.
- Non-captive refrigerant lines with long stubs make for easy installation.
- Dual 3/4" FPT condensate drains on front-left and front-right side of drain pans.
- Expansion valve with improved temperature sensing:
 1. Mounted inside cabinet to prevent external sweating
 2. Bulb clamped standard factory installed

WARNING—Face velocity above 350 ft/min. is not recommended for downflow or counterflow applications due to potential water blow-off.

Horizontal A-Coil

- Short cabinet with easy access.
- Dual 3/4" FPT condensate drains on front and back of coil allows flexibility of placement to accommodate left or right airflow furnaces.
- Non-captive panels allow access to inside of cabinet without the need to cut refrigerant lines.
- Easy to remove access panel for easy cleaning. (4) screws only.
- Dedicated cutouts for condensate drains reduce air leakage.
- Easy to use filler strip, if coil dimensions are larger than furnace.
- Refrigerant connections on top of coil.
- Refrigerant connections in center of coil away from airflow path.

Carrier Aluminum Vertical A-Coil



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

Supply Opening: (A - 1.5") x (B - 1.5")
 Return Opening: (A - 1.0") x (B - 0.5")

Dimensions

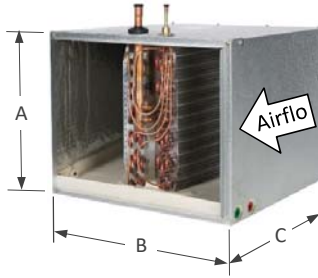
CE Part #	ADP Model #	Width [A]	Depth [B]	Height [C]	Suction Line	TXV Part #	Weight (lbs)	Plenum Width	Plenum Depth	Pallet Qty
CBV3614G34	PG34636D142B2005AP	14.25"	21.00"	20.50"	3/4"	65026401	38	12-3/4"	19.5"	6
CBV3614G80	PG80636D142B2005AP	14.25"	21.00"	20.50"	3/4"	65026401	38	12-3/4"	19.5"	6
CBV3621G80	PG80636D210B2005AP	21.00"	21.00"	20.50"	3/4"	65026401	38	19-1/2"	19.5"	4
CBV4817G1K	PG1K648D175B2105AP	17.50"	21.00"	21.50"	7/8"	65026400	42	16"	19.5"	4
CBV4821G1K	PG1K648D210B2105AP	21.00"	21.00"	21.50"	7/8"	65026400	42	19-1/2"	19.5"	4
CBV6021G48	PG48660D210B2705AP	21.00"	21.00"	27.50"	7/8"	65026400	48	19-1/2"	19.5"	4
CBV6024G48	PG48660D245B2705AP	24.50"	21.00"	27.50"	1-1/8"	65026400	48	23"	19.5"	4

Airflow

CE Part #	ADP Model #	CFM
CBV3614G34	PG34636D142B2005AP	600
	PG34636D142B2005AP	800
	PG34636D142B2005AP	1000
	PG34636D142B2005AP	1200
CBV3614G80	PG80636D142B2005AP	600
	PG80636D142B2005AP	800
	PG80636D142B2005AP	1000
	PG80636D142B2005AP	1200
CBV3621G80	PG80636D210B2005AP	600
	PG80636D210B2005AP	800
	PG80636D210B2005AP	1000
	PG80636D210B2005AP	1200

Model #	ADP Model #	CFM
CBV4817G1K	PG1K648D175B2105AP	1400
	PG1K648D175B2105AP	1600
CBV4821G1K	PG1K648D210B2105AP	1400
	PG1K648D210B2105AP	1600
CBV6021G48	PG48660D210B2705AP	1400
	PG48660D210B2705AP	1600
	PG48660D210B2705AP	2000
CBV6024G48	PG48660D245B2705AP	1400
	PG48660D245B2705AP	1600
	PG48660D245B2705AP	2000

Carrier Aluminum Horizontal A-Coil



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

Supply Opening: (A - 1.5") x (B - 1.5")
 Return Opening: (A - 1.0") x (B - 1.0")

Dimensions

Model #	ADP Model #	Height [A]	Width [B]	Length [C]	Suction Line	TXV Part #	Weight (lbs)	Plenum Height	Plenum Width	Pallet Qty
CBH3614P44	C36H142P446	14.25"	21.00"	31.50"	7/8"	65026401	47	12-3/4"	19-1/2"	8
CBH3614P43	C36H142P436	14.25"	21.00"	36.50"	7/8"	65026401	48	19-1/2"	19-1/2"	6
CBH3621P16	C36H210P166	21.00"	21.00"	26.50"	7/8"	65026401	49	19-1/2"	19-1/2"	6
CBH4817P15	C48H175P156	17.50"	21.00"	26.50"	7/8"	65026400	45	16"	19-1/2"	4
CBH4821P29	C48H210P296	21.00"	21.00"	31.50"	7/8"	65026400	52	19-1/2"	19-1/2"	4
CBH6021P17	C60H210P176	21.00"	21.00"	26.50"	7/8"	65026400	52	19-1/2"	19-1/2"	6
CBH6021P19	C60H210P196	21.00"	21.00"	26.50"	7/8"	65026400	48	19-1/2"	19-1/2"	6
CBH6024P18	C60H245P186	24.50"	21.00"	26.50"	7/8"	65026400	47	23"	19-1/2"	2
CBH6024P77	C60H245P776	24.50"	21.00"	26.50"	7/8"	65026400	60	23"	19-1/2"	2

Airflow

Model #	ADP Model #	CFM
CBH3614P44	C36H142P446	600
	C36H142P446	800
	C36H142P446	1000
	C36H142P446	1200
CBH3614P43	C36H142P436	600
	C36H142P436	800
	C36H142P436	1000
	C36H142P436	1200
CBH3621P16	C36H210P166	600
	C36H210P166	800
	C36H210P166	1000
	C36H210P166	1200
CBH4817P15	C48H175P156	1400
	C48H175P156	1600
CBH4821P29	C48H210P296	1400
	C48H210P296	1600

Model #	ADP Model #	CFM
CBH6021P17	C60H210P176	1400
	C60H210P176	1600
	C60H210P176	1800
	C60H210P176	2000
CBH6021P19	C60H210P196	1400
	C60H210P196	1600
	C60H210P196	1800
	C60H210P196	2000
CBH6024P18	C60H245P186	1400
	C60H245P186	1600
	C60H245P186	1800
	C60H245P186	2000
CBH6024P77	C60H245P776	1400
	C60H245P776	1600
	C60H245P776	1800
	C60H245P776	2000

Vertical "A" Coil Nomenclature

	P	G34	6	36	D	142	B	20	05	AP																												
Cabinet Color P = Carrier/Bryant/Payne											Piston Size ^[1] AP = TXV access port ^[2]																											
Slab Number E & A = Copper slab G & B = Aluminum slab												<table border="1"> <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
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																																				
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)											<p>[1] Piston will always be sized to match the nominal BTU rating of the coil.</p> <p>[2] TXV access port standard on factory installed TXVs; optional on piston models.</p>																											
Nominal MBTUH											Product Code ^[3] 05 = Left-hand cased [3] Refrigerant connections and exposed drain connections are both on the left or right side as indicated.																											
Cabinet Depth A = Uncased D = 21.00" C = 20.50" E = 21.50"																																						
Width 142 = 14.25" 175 = 17.50" 210 = 21.00" 245 = 24.50"											Cabinet Height 20 = 20.50" 21 = 21.50" 27 = 27.50"																											
Cabinet Upper Notch A = Uncased B = .75" (standard)																																						

Horizontal "A" Coil Nomenclature

	C	36	H	142	P44	6	
Cabinet Color C = Carrier / Bryant / Payne							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)
Nominal MBTUH							
Coil Type H = Horizontal A-Coil							Slab Number D = Copper slab P = Aluminum slab
Cabinet Height 142 = 14.25" (Carrier / Bryant / Payne) 175 = 17.50" 210 = 21.00" 245 = 24.50"							

Carrier Vertical & Horizontal "A" Coil Nomenclature

	CB	V	36	14	G34	
CB = Carrier/Bryant/Payne						Slab Number Width (Vertical) / Height (Horizontal) 14 = 14.25" 17 = 17.50" 21 = 21.00" 24 = 24.50"
V = Vertical H = Horizontal						
Nominal MBTUH						



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