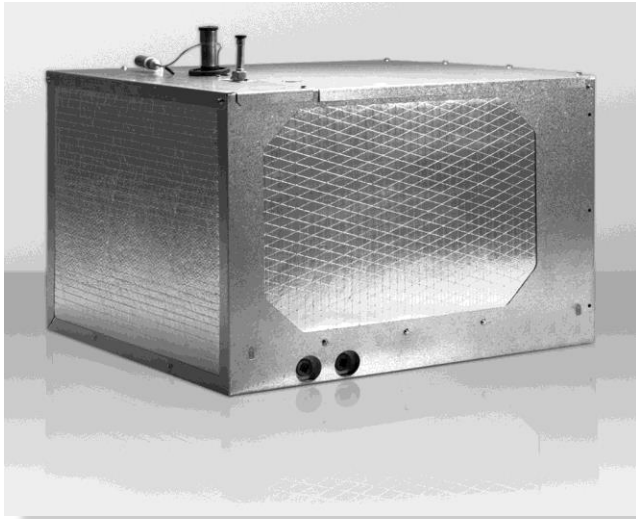


PL Series A1 Refrigerants

Premier Indoor Plenum Coils



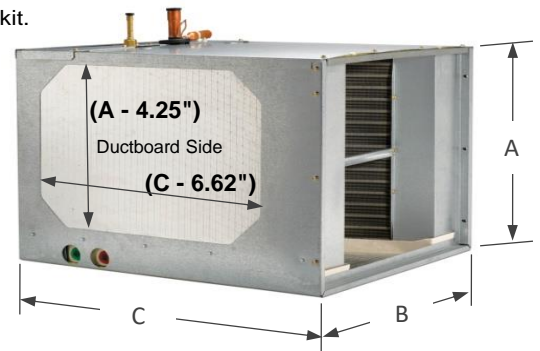
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Product improvement is a continuous process at Advanced Distributor Products. Therefore, product specifications are subject to change without notice and without obligation on our part. Please contact your ADP representative or distributor to verify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

- One-piece cabinet construction for improved strength and rigidity.
- Top panel with only 4 screws for fast and easy coil access.
- UV light knockouts to easily locate and install UV lights.
- “Easy-lift” handle allows easy lifting through tight spaces.
- Furnace mounting bracket included for single person installation.
- Independently certified < 2% air leakage per ASHRAE test standard.
- 5 year Limited Warranty standard; 10 year Limited Warranty available.
- Non-captive panels allow access to inside of cabinet without the need to cut refrigerant lines.
- Heavy gauge cabinets are lined with foil faced insulation— 5/8" on metal panels and 1" duct board on plenum openings.
- Rubber grommet around suction line and dedicated condensate cutouts for reduced air leakage.
- Dual 3/4" FPT condensate drains on front and back of coil allow flexibility to accommodate left or right airflow furnaces.
- Refrigerant connections are 3/8" ODF liquid and 7/8" ODF suction.
- Refrigerant connections near center of coil away from airflow path.
- Coils are air pressure tested at 500 psi, leak tested with helium, sealed with rubber plugs and then charged with dry air.
- Threaded expansion valves available factory installed or as a field installed kit.
- Top refrigerant connections for installation flexibility.
- TXV access port standard on piston models.
- Light weight aluminum coil with aluminum header plates.
- High efficiency lanced fin design.
- Microban® antimicrobial additive to inhibit the growth of mold and mildew in the drain pan.
- Patented HydroTEC™ “V” drain pan for improved drainage.
- UV resistant drain pans are molded of high temperature polymer (450° F).
- Secondary drain pan included standard on all models.
- Secondary drain pan locator embossments for easy installation.



Ductboard End
(A - 1.93\") x (B - 2.0\")

Return Opening
(A - 1.0\") x (B - 1.0\")

Product Nomenclature

	P	L	2 4	H	145	P12	9	35	
Cabinet Type P = Plenum									Cabinet Length 35, 40
Cabinet Color L = Galvanized									Metering Device 1 = Piston (R-410A)* 7 = Bleed H/P TXV (R-410A) 9 = Non-Bleed H/P TXV (R-410A)
Nominal MBTUH									Slab Number P13 P14 P16 etc.
Coil Type H = Horizontal Coil									
Coil Height 145 = 14.50\"									
175 = 17.50\"									
210 = 21.00\"									
245 = 24.50\"									

* Piston will always be sized to match the nominal BTU rating of the coil

Installed Piston Sizes	
MBTUH	R-410A
12	41
18	49
24	53
30	59
36	67
42	73
48	76
60	93

Note: Secondary drain pan included standard on all models

Dimensions

	Slab Number	Nominal Tonnage	Cabinet Height (in) [A]	Cabinet Width (in) [B]	Weight (lbs) by Cabinet Length [C]		Return Opening (in) [Height x Width]	Pallet Quantity
					35"	40"		
Core Slabs	P12	1.5 - 3.0	14.5	21	45	-	13.5 x 20	8
	P13	1.5 - 3.5	17.5	21	48	-	16.5 x 20	6
	P14	2.5 - 4.0	17.5	21	49	53	16.5 x 20	6
	P15	3.0 - 4.0	17.5	21	51	55	16.5 x 20	6
	P16	3.0 - 5.0	21	21	54	58	20 x 20	4
	P17	3.0 - 5.0	21	21	56	60	20 x 20	4
	P19	3.5 - 5.0	21	21	61	65	20 x 20	4
	P21	1.5 - 3.0	14.5	21	48	49	13.5 x 20	8
	P29	3.0 - 5.0	21	21	54	58	20 x 20	4
	P30	3.5 - 5.0	21	21	-	74	20 x 20	4
	P38	3.0 - 4.0	17.5	21	49	53	16.5 x 20	6
	P42	1.5 - 3.0	14.5	21	47	-	13.5 x 20	8
	P44	1.5 - 3.0	14.5	21	47	-	13.5 x 20	8
	P45	2.5 - 3.5	17.5	21	55	-	16.5 x 20	6
	P52	3.5 - 5.0	21	21	64	68	20 x 20	4
P74	2.5 - 4.0	21	21	52	55	20 x 20	4	
P75	3.0 - 4.0	21	21	53	56	20 x 20	4	
P78	2.0 - 4.0	17.5	21	52	57	16.5 x 20	6	
Non-Core Slabs	P03	2.0 - 3.0	14.5	21	43	-	13.5 x 20	8
	P04	2.5 - 3.5	17.5	21	45	-	16.5 x 20	6
	P05	2.5 - 4.0	17.5	21	46	50	16.5 x 20	6
	P06	2.5 - 4.0	17.5	21	47	51	16.5 x 20	6
	P07	3.0 - 5.0	21	21	50	55	20 x 20	4
	P11	1.5 - 2.5	14.5	21	42	-	13.5 x 20	8
	P18	3.0 - 5.0	24.5	21	59	64	23.5 x 20	2
	P22	1.5 - 3.0	14.5	21	-	52	13.5 x 20	8
	P26	2.0 - 4.0	17.5	21	49	53	16.5 x 20	6
	P27	3.0 - 5.0	21	21	53	57	20 x 20	4
	P43	1.5 - 3.0	14.5	21	-	59	13.5 x 20	8
	P46	2.0 - 4.0	17.5	21	-	61	16.5 x 20	6
	P47	2.0 - 3.0	21	21	60	-	20 x 20	4
	P50	3.5 - 5.0	21	21	59	63	20 x 20	4
	P57	3.0 - 5.0	21	21	60	64	20 x 20	4
P72	2.0 - 3.0	17.5	21	48	-	16.5 x 20	6	
P76	3.0 - 5.0	24.5	21	55	60	23.5 x 20	2	
P77	3.5 - 5.0	24.5	21	58	62	23.5 x 20	2	
P79	3.5 - 5.0	24.5	21	63	67	23.5 x 20	2	

Airflow Data

	Slab Number	Nominal Tonnage	^ Air Pressure Drop (in WC) by CFM							
			600	800	1000	1200	1400	1600	1800	2000
Core Slabs	P12	1.5 - 3.0	0.11	0.17	0.25	0.35	-	-	-	-
	P13	1.5 - 3.5	0.08	0.14	0.20	0.27	0.36	-	-	-
	P14	2.5 - 4.0	-	-	0.17	0.24	0.32	0.41	-	-
	P15	3.0 - 4.0	-	-	0.14	0.20	0.28	0.35	-	-
	P16	3.0 - 5.0	-	-	-	0.17	0.23	0.29	0.36	0.43
	P17	3.0 - 5.0	-	-	0.10	0.14	0.19	0.24	0.25	0.36
	P19	3.5 - 5.0	-	-	-	-	0.22	0.33	0.41	0.48
	P21	1.5 - 3.0	0.09	0.13	0.20	0.27	-	-	-	-
	P29	3.0 - 5.0	-	-	-	0.10	0.12	0.15	0.19	0.23
	P30	3.5 - 5.0	-	-	-	-	0.15	0.19	0.24	0.29
	P38	3.0 - 4.0	-	-	-	0.18	0.25	0.31	-	-
	P42	1.5 - 3.0	0.09	0.14	0.20	0.28	-	-	-	-
	P44	1.5 - 3.0	0.06	0.10	0.14	0.20	-	-	-	-
	P45	2.5 - 3.5	-	-	0.19	0.27	0.35	-	-	-
	P52	3.5 - 5.0	-	-	-	-	0.20	0.26	0.32	0.39
P74	2.5 - 4.0	-	-	0.19	0.25	0.33	0.41	-	-	
P75	3.0 - 4.0	-	-	-	0.20	0.26	0.33	-	-	
P78	2.0 - 4.0	-	0.09	0.12	0.17	0.23	0.30	-	-	
Non-Core Slabs	P03	2.0 - 3.0	-	0.16	0.25	0.35	-	-	-	-
	P04	2.5 - 3.5	-	-	0.17	0.23	0.34	-	-	-
	P05	2.5 - 4.0	-	-	0.13	0.19	0.25	0.32	-	-
	P06	2.5 - 4.0	-	0.09	0.13	0.18	0.24	0.27	-	-
	P07	3.0 - 5.0	-	-	-	0.14	0.19	0.24	0.30	0.35
	P11	1.5 - 2.5	0.15	0.25	0.37	-	-	-	-	-
	P18	3.0 - 5.0	-	-	-	0.11	0.14	0.18	0.23	0.28
	P22	1.5 - 3.0	0.06	0.09	0.13	0.18	-	-	-	-
	P26	2.0 - 4.0	-	0.08	0.11	0.16	0.21	0.27	-	-
	P27	3.0 - 5.0	-	-	-	0.11	0.15	0.18	0.23	0.28
	P43	1.5 - 3.0	0.07	0.12	0.17	0.24	-	-	-	-
	P46	2.0 - 4.0	-	0.05	0.08	0.11	0.15	0.19	-	-
	P47	2.0 - 3.0	-	0.11	0.16	0.17	-	-	-	-
	P50	3.5 - 5.0	-	-	-	-	0.16	0.21	0.27	0.33
	P57	3.0 - 5.0	-	-	-	0.14	0.18	0.24	0.29	0.37
	P72	2.0 - 3.0	-	0.19	0.27	0.37	-	-	-	-
	P76	3.0 - 5.0	-	-	-	0.17	0.22	0.28	0.34	0.40
P77	3.5 - 5.0	-	-	0.11	0.14	0.19	0.21	0.27	0.34	
P79	3.5 - 5.0	-	-	-	-	0.22	0.28	0.34	0.40	

^ Air pressure drop data is under dry coil conditions. For wet coil conversion at standard AHRI conditions, use 1.3 multiplier.

