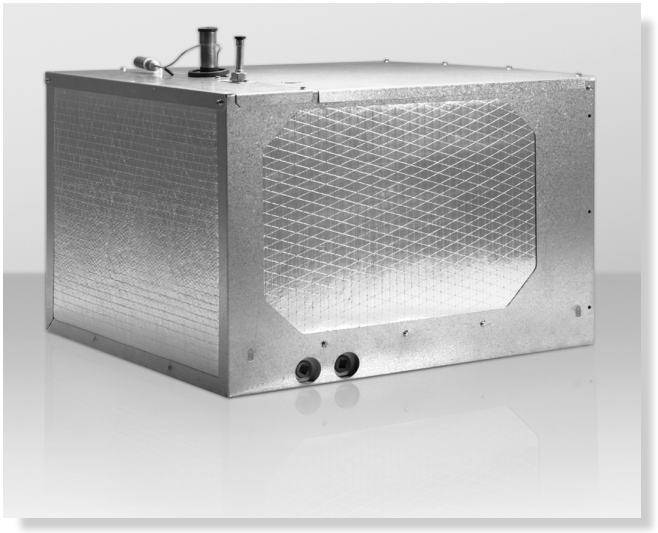
SG-PLC-06
June 2018

Advanced Distributor Products®

Specification Guide

PL Series



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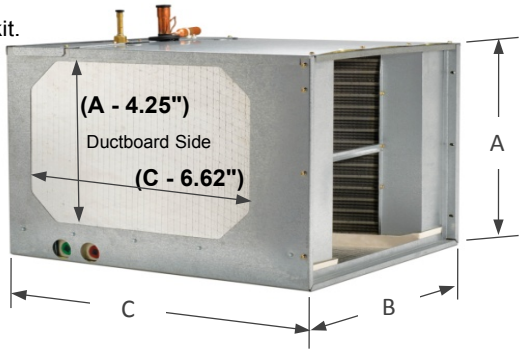
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Product improvement is a continuous process at Advanced Distributor Products. Therefore, product specifications are subject to change without notice and without obligation on our part. Please contact your ADP representative or distributor to verify details.
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2175 West Park Place Blvd., Stone Mountain, GA 30087
www.adpnow.com

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 in 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 P03 6 25

Cabinet Type
P = Plenum

Cabinet Color
L = Galvanized

Nominal MBTUH

Coil Type
H = Horizontal Coil

Coil Height
140 = 14.00"
142 = 14.25"
145 = 14.50"
175 = 17.50"
210 = 21.00"
245 = 24.50"

Note: Secondary drain pain included standard on all models

Slab Number
P03
P04
P06 etc.

Metering Device
1 = Piston (R-410A)*
2 = Piston (R-22)*
6 = Non-Bleed A/C TXV (R-410A)
7 = Bleed HP-A/C TXV (R-410A)**
8 = Bleed A/C TXV (R-410A)**
9 = Non-Bleed H/P TXV (R-410A)
*** 7 and 8 valve options available only for York family products.*

Cabinet Length
25, 30, 35, 40

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

Installed Piston Sizes		
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

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
				25"	30"	35"	40"		
P02	1.5 - 2.5	14 / 14.25 / 14.5	21	34	38	-	-	(A - 1) x 20	8
P03	2.0 - 3.0	14 / 14.25 / 14.5	21	-	40	43	-	(A - 1) x 20	8
P04	2.5 - 3.5	17.5	21	38	42	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	-	44	47	51	16.5 x 20	6
P07	3.0 - 5.0	21	21	-	-	50	55	20 x 20	4
P08	3.5 - 5.0	21	21	-	-	52	56	20 x 20	4
P09	3.5 - 5.0	24.5	21	-	-	55	59	23.5 x 20	2
P11	1.5 - 2.5	14 / 14.25 / 14.5	21	36	39	-	-	(A - 1) x 20	8
P12	1.5 - 3.0	14 / 14.25 / 14.5	21	-	42	45	-	(A - 1) x 20	8
P13	1.5 - 3.5	17.5	21	41	44	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
P18	3.0 - 5.0	24.5	21	-	-	59	64	23.5 x 20	2
P19	3.5 - 5.0	21	21	-	-	61	65	20 x 20	4
P20	3.5 - 5.0	24.5	21	-	-	65	69	23.5 x 20	2
P21	1.5 - 3.0	14 / 14.25 / 14.5	21	-	-	48	49	(A - 1) x 20	8
P22	1.5 - 3.0	14 / 14.25 / 14.5	21	-	-	-	52	(A - 1) x 20	8
P25	2.5 - 3.0	17.5	21	-	43	46	-	16.5 x 20	6
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
P28	3.0 - 5.0	21	21	-	-	52	56	20 x 20	4
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
P36	3.0 - 4.0	17.5	21	-	-	48	52	16.5 x 20	6
P38	3.0 - 4.0	17.5	21	-	-	49	53	16.5 x 20	6
P42	1.5 - 3.0	14 / 14.25 / 14.5	21	-	44	47	-	(A - 1) x 20	8
P43	1.5 - 3.0	14 / 14.25 / 14.5	21	-	-	-	59	(A - 1) x 20	8
P44	1.5 - 3.0	14 / 14.25 / 14.5	21	-	-	47	-	(A - 1) x 20	8
P45	2.5 - 3.5	17.5	21	-	52	55	-	16.5 x 20	6
P46	2.0 - 4.0	17.5	21	-	-	-	61	16.5 x 20	6
P47	2.0 - 3.0	21	21	-	57	60	-	20 x 20	4
P48	2.0 - 3.0	24.5	21	-	60	64	-	23.5 x 20	2
P49	4.0 - 5.0	24.5	21	-	-	55	59	23.5 x 20	2
P50	3.5 - 5.0	21	21	-	-	59	63	20 x 20	4
P51	3.5 - 5.0	24.5	21	-	-	62	67	23.5 x 20	2
P52	3.5 - 5.0	21	21	-	-	64	68	20 x 20	4
P53	3.5 - 5.0	24.5	21	-	-	69	73	23.5 x 20	2
P56	4.0 - 5.0	24.5	21	-	-	-	79	23.5 x 20	2
P57	3.0 - 5.0	21	21	-	-	60	64	20 x 20	4
P58	3.5 - 5.0	24.5	21	-	-	60	64	23.5 x 20	2
P59	3.5 - 5.0	24.5	21	-	-	61	65	23.5 x 20	2
P62	1.5 - 2.5	17.5	21	37	40	-	-	16.5 x 20	6
P63	2.0 - 3.0	17.5	21	38	41	-	-	16.5 x 20	6
P64	2.5 - 3.5	21	21	41	44	49	-	20 x 20	4
P65	2.5 - 3.5	21	21	41	45	49	52	20 x 20	4
P66	3.0 - 4.0	21	21	42	46	50	53	20 x 20	4
P67	3.0 - 5.0	24.5	21	45	49	52	56	23.5 x 20	2
P68	3.5 - 5.0	24.5	21	-	-	54	58	23.5 x 20	2
P71	1.5 - 2.5	17.5	21	39	43	-	-	16.5 x 20	6
P72	2.0 - 3.0	17.5	21	40	44	-	-	16.5 x 20	6
P73	1.5 - 3.5	21	21	44	47	52	-	20 x 20	4
P74	2.5 - 4.0	21	21	44	48	52	55	20 x 20	4
P75	3.0 - 4.0	21	21	45	49	53	56	20 x 20	4
P76	3.0 - 5.0	24.5	21	48	52	55	60	23.5 x 20	2
P77	3.5 - 5.0	24.5	21	-	-	58	62	23.5 x 20	2
P78	2.0 - 4.0	17.5	21	-	-	52	57	16.5 x 20	6
P79	3.5 - 5.0	24.5	21	-	-	63	67	23.5 x 20	2
P87	2.0 - 3.0	24.5	21	-	59	62	-	23.5 x 20	2
P88	2.5 - 3.0	21	21	49	53	57	-	20 x 20	4
P89	2.5 - 4.0	21	21	42	45	50	53	20 x 20	4

Airflow Data

Slab Number	Nominal Tonnage	^ Air Pressure Drop (in WC) by CFM							
		600	800	1000	1200	1400	1600	1800	2000
P02	1.5 - 2.5	0.17	0.27	0.40	-	-	-	-	-
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
P08	3.5 - 5.0	-	-	-	0.13	0.17	0.21	0.27	0.32
P09	3.5 - 5.0	-	-	-	-	0.15	0.18	0.23	0.27
P11	1.5 - 2.5	0.15	0.25	0.37	-	-	-	-	-
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
P18	3.0 - 5.0	-	-	-	0.11	0.14	0.18	0.23	0.28
P19	3.5 - 5.0	-	-	-	-	0.22	0.33	0.41	0.48
P20	3.5 - 5.0	-	-	-	-	0.19	0.24	0.29	0.34
P21	1.5 - 3.0	0.09	0.13	0.20	0.27	-	-	-	-
P22	1.5 - 3.0	0.06	0.09	0.13	0.18	-	-	-	-
P25	2.5 - 3.0	-	-	0.15	0.21	-	-	-	-
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
P28	3.0 - 5.0	-	-	-	0.14	0.19	0.23	0.29	0.35
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
P36	3.0 - 4.0	-	-	-	0.20	0.27	0.33	-	-
P38	3.0 - 4.0	-	-	-	0.18	0.25	0.31	-	-
P42	1.5 - 3.0	0.09	0.14	0.20	0.28	-	-	-	-
P43	1.5 - 3.0	0.07	0.12	0.17	0.24	-	-	-	-
P44	1.5 - 3.0	0.06	0.10	0.14	0.20	-	-	-	-
P45	2.5 - 3.5	-	-	0.19	0.27	0.35	-	-	-
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	-	-	-	-
P48	2.0 - 3.0	-	0.09	0.14	0.19	-	-	-	-
P49	4.0 - 5.0	-	-	-	-	0.16	0.20	0.25	0.30
P50	3.5 - 5.0	-	-	-	-	0.16	0.21	0.27	0.33
P51	3.5 - 5.0	-	-	-	-	0.12	0.15	0.19	0.23
P52	3.5 - 5.0	-	-	-	-	0.20	0.26	0.32	0.39
P53	3.5 - 5.0	-	-	-	-	0.17	0.22	0.27	0.33
P56	4.0 - 5.0	-	-	-	-	-	0.16	0.21	0.25
P57	3.0 - 5.0	-	-	-	0.14	0.18	0.24	0.29	0.37
P58	3.5 - 5.0	-	-	-	-	0.17	0.22	0.28	0.33
P59	3.5 - 5.0	-	-	-	-	0.18	0.23	0.29	0.34
P62	1.5 - 2.5	0.13	0.22	0.32	-	-	-	-	-
P63	2.0 - 3.0	-	0.17	0.24	0.33	-	-	-	-
P64	2.5 - 3.5	-	-	0.19	0.26	0.34	-	-	-
P65	2.5 - 3.5	-	-	0.17	0.23	0.30	-	-	-
P66	3.0 - 4.0	-	-	-	0.18	0.24	0.30	-	-
P67	3.0 - 5.0	-	-	-	0.16	0.20	0.25	0.31	0.37
P68	3.5 - 5.0	-	-	-	-	0.15	0.19	0.23	0.27
P71	1.5 - 2.5	0.15	0.24	0.35	-	-	-	-	-
P72	2.0 - 3.0	-	0.19	0.27	0.37	-	-	-	-
P73	1.5 - 3.5	0.08	0.14	0.21	0.29	0.37	-	-	-
P74	2.5 - 4.0	-	-	0.19	0.25	0.33	0.41	-	-
P75	3.0 - 4.0	-	-	-	0.20	0.26	0.33	-	-
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
P78	2.0 - 4.0	-	0.09	0.12	0.17	0.23	0.30	-	-
P79	3.5 - 5.0	-	-	-	-	0.22	0.28	0.34	0.40
P87	2.0 - 3.0	-	0.09	0.13	0.17	-	-	-	-
P88	2.5 - 3.0	-	-	0.21	0.29	-	-	-	-
P89	2.5 - 4.0	-	-	0.13	0.18	0.23	0.29	-	-

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