



PL Series A2L Refrigerants
Premier Indoor Plenum Coil

Specification Guide

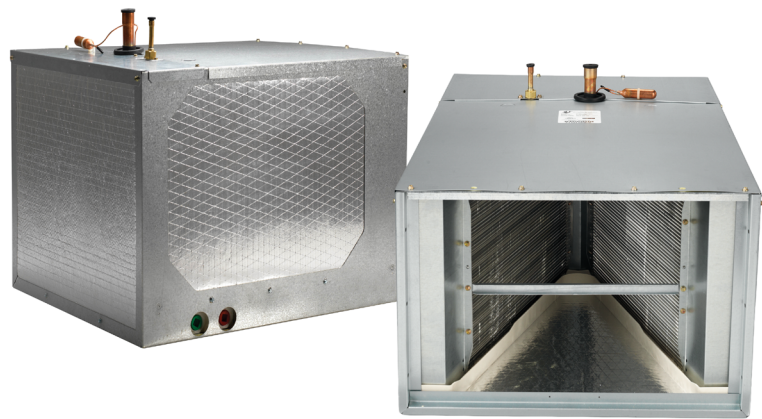


Table of Contents

Product Features2

Nomenclature3

Dimensions.....4

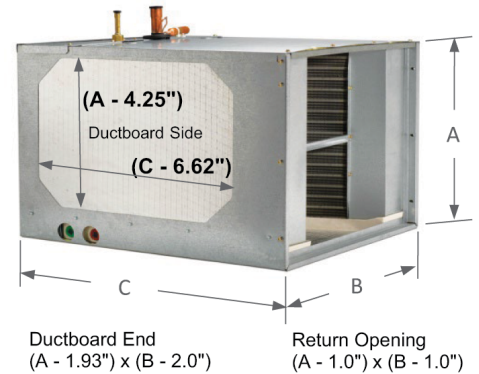
Airflow Data5



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.
© 2026 by Advanced Distributor Products. All rights reserved.

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.
- R-454B, R-32, AC & Heat Pump compatible with Refrigerant Detection System.
- Refrigerant Detection System Options:
 - Field Installed Sensor and board with factory installed bracket.
 - Factory installed sensor and mitigation board in box.
 - Factory installed sensor only without board for compatible furnaces.



Nomenclature

PL 24 H 145 P12 A 35 R			
Cabinet Type PL = Plenum	Refrigerant Detection System (Field Configurable) R = RDS Controller & Sensor (Factory Installed) L = Leak Detection Sensor (Factory Installed) N = Not Included (Field Installed)		
Nominal (MBTUH)	Cabinet Length 35, 40		
Coil Type H = Horizontal Coil	Refrigerant Type & Metering Device (Field Configurable) 1 = Piston (R-454B & R-32)* A = R-454B Non-bleed HP-A/C TXV B = R-32 Non-bleed HP-A/C TXV C = R-454B Bleed HP-A/C TXV		
Coil Height 145 = 14.5" 175 = 17.5" 210 = 21.0" 245 = 24.5"	Slab Number P13 P14 7BA 7CE etc.		

Note: Secondary drain pan included standard on all models

*R-454B Piston factory installed to match the nominal BTU rating of the coil.

R-454B Pistons		
MBTUH		Size
18	=	46
24	=	53
30	=	59
36	=	65
42	=	70
48	=	76
60	=	84

R-32 Pistons		
MBTUH		Size
18	=	41
24	=	46
30	=	53
36	=	57
42	=	62
48	=	65
60	=	76

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	24.5	21	-	74	20 x 20	2
	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
	7BA	1.5 - 2.0	14.5	21	43	-	13.5 x 20	8
	7BB	1.5 - 2.0	14.5	21	46	-	13.5 x 20	8
	7BC	1.5 - 3.0	14.5	21	46	-	13.5 x 20	8
	7BD	1.5 - 3.0	14.5	21	45	-	13.5 x 20	8
	7BG	1.5 - 3.0	17.5	21	47	50	16.5 x 20	6
	7BH	1.5 - 3.0	17.5	21	47	51	16.5 x 20	6
	7BJ	1.5 - 3.0	17.5	21	49	53	16.5 x 20	6
	7BL	2.0 - 3.0	17.5	21	50	55	16.5 x 20	6
	7BN	2.5 - 3.5	17.5	21	46	50	16.5 x 20	6
	7BP	1.5 - 3.0	21	21	51	54	20 x 20	4
	7BQ	1.5 - 3.0	21	21	52	55	20 x 20	4
	7BR	2.0 - 3.0	21	21	51	55	20 x 20	4
	7BU	2.5 - 3.5	21	21	53	57	20 x 20	4
	7BX	2.0 - 3.0	24.5	21	54	58	23.5 x 20	2
	7BY	2.0 - 3.0	24.5	21	54	58	23.5 x 20	2
	7B1	2.5 - 3.5	24.5	21	56	61	23.5 x 20	2
	7CE	1.5 - 3.0	14.5	21	50	54	13.5 x 20	8
	7CG	1.5 - 3.0	17.5	21	48	53	16.5 x 20	6
	7CJ	1.5 - 3.0	17.5	21	51	55	16.5 x 20	6
	7CR	1.5 - 3.0	21	21	54	58	20 x 20	4
	7CT	2.0 - 3.0	21	21	56	60	20 x 20	4
	7CX	2.0 - 3.0	24.5	21	59	63	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
	7BA	1.5 - 2.0	0.12	0.22	0.34	-	-	-	-	-
	7BB	1.5 - 2.0	0.09	0.18	0.29	-	-	-	-	-
	7BC	1.5 - 3.0	0.09	0.17	0.27	0.38	-	-	-	-
	7BD	1.5 - 3.0	0.07	0.14	0.22	0.32	-	-	-	-
	7BG	1.5 - 3.0	0.04	0.09	0.15	0.23	-	-	-	-
	7BH	1.5 - 3.0	0.04	0.09	0.15	0.23	-	-	-	-
	7BJ	1.5 - 3.0	0.03	0.07	0.13	0.20	-	-	-	-
	7BL	2.0 - 3.0	0.02	0.06	0.11	0.17	-	-	-	-
	7BN	2.5 - 3.5	0.01	0.05	0.09	0.15	0.21	-	-	-
	7BP	1.5 - 3.0	0.04	0.08	0.14	0.20	-	-	-	-
	7BQ	1.5 - 3.0	0.02	0.06	0.11	0.16	-	-	-	-
	7BR	2.0 - 3.0	0.02	0.06	0.10	0.16	-	-	-	-
	7BU	2.5 - 3.5	0.01	0.04	0.08	0.13	0.17	-	-	-
	7BX	2.0 - 3.0	0.02	0.05	0.08	0.12	-	-	-	-
	7BY	2.0 - 3.0	0.02	0.05	0.09	0.13	-	-	-	-
	7B1	2.5 - 3.5	0.01	0.04	0.07	0.10	0.14	-	-	-
	7CE	1.5 - 3.0	0.08	0.16	0.26	0.37	-	-	-	-
	7CG	1.5 - 3.0	0.07	0.14	0.23	0.33	-	-	-	-
	7CJ	1.5 - 3.0	0.07	0.14	0.22	0.32	-	-	-	-
	7CR	1.5 - 3.0	0.05	0.09	0.16	0.23	-	-	-	-
	7CT	2.0 - 3.0	0.03	0.08	0.14	0.20	-	-	-	-
	7CX	2.0 - 3.0	0.04	0.08	0.12	0.18	-	-	-	-

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



2140 Lake Park Blvd, Richardson, TX 75080
www.adpnow.com