

PL Series

Premier Indoor Plenum Coils



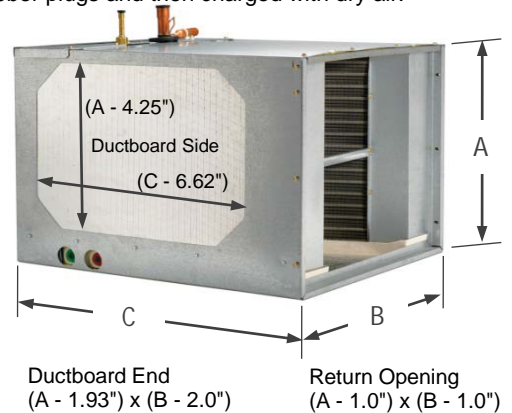
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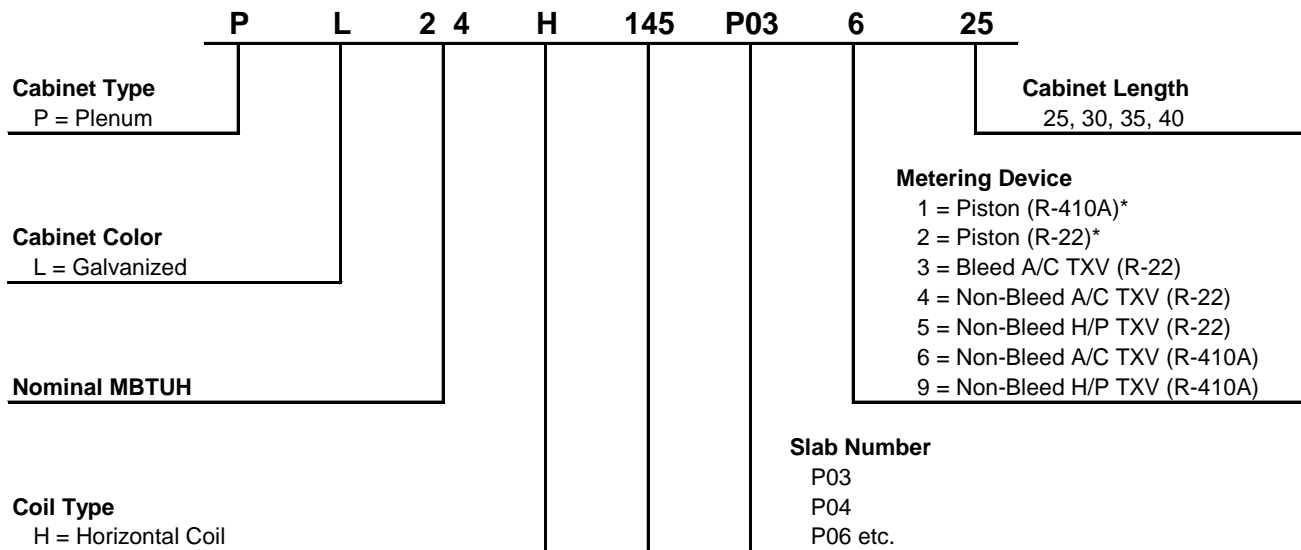
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Product Features

- 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 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.
- Patent pending 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.



Nomenclature



Coil Height

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

Note: Secondary drain pan included standard on all models

* 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
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
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
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				0.14	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
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		
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
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					0.19	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.