



MAGIC- PAK®

THRU THE WALL PACKAGED HEAT PUMPS

5.3 to 7.0 kW (18 000 to 23 800 Btuh) Net Cooling Capacity

5.4 to 6.8 kW (18 400 to 23 200 Btuh) Net Heating Capacity

4.8 to 14.4 kW (16 400 to 49 200 Btuh) Supplemental Electric Heat

FEATURES

Applications

- Completely self-contained.
- Ideal for apartments, condominiums and hotels for individual control of units.
- No outside heat pump unit, no external refrigerant lines no separate indoor coil.
- Slide out cooling chassis.
- Pre-wired and pre-charged.

Completely Tested

- Each unit is factory run tested to ensure proper operation.

Unit Cabinet

- Baked-on powder paint finish provides rust and corrosion protection.
- Mounts flush with any wall.

Compressor

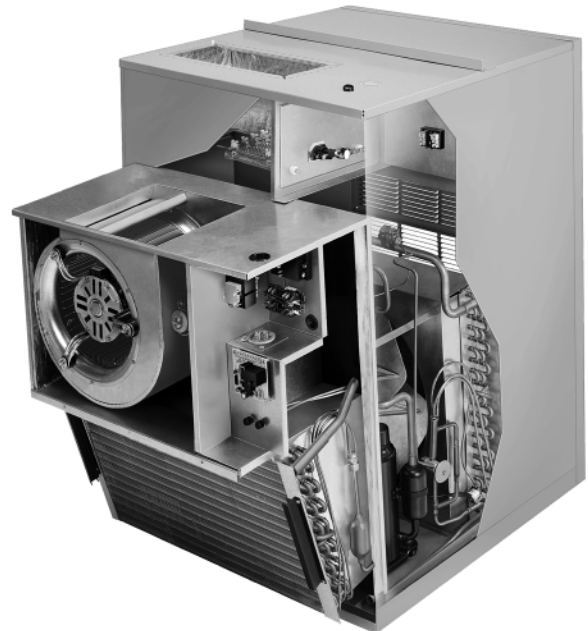
- High efficiency scroll or rotary compressor.
- Designed for dependable efficiency with minimum operating cost.
- Suction cooled and overload protected with internal pressure relief.
- Hermetically sealed with built-in protection from excessive current and temperatures.

Direct Drive Blower

- Units are equipped with quiet multi-speed direct drive blower.
- Each blower assembly is statically and dynamically balanced.
- Multiple-speed motor is resiliently mounted.
- See blower performance table.

Supplemental Electric Heat

- Factory installed internal to unit cabinet with controls installed and wired.
- Available in 5, 7, 10 and 15 kW sizes.
- Helix wound nichrome heating elements exposed directly in air stream resulting in instant heat transfer, low element temperatures and long service life.
- Each element equipped with limit control with fixed temperature off setting and automatic reset.



Unit Showing Slide-Out Heat Pump/Blower Section

Controls

- Standard trade available components.
- Color coded wiring for easy service.

Copper Tube/Enhanced Fin Coil

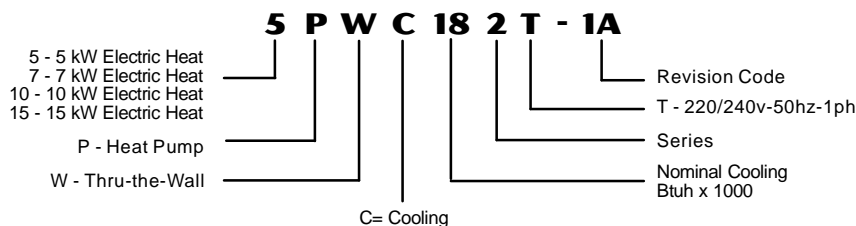
- Ripple-edged aluminum fins.
- Copper tube construction.
- Coil is factory tested under high pressure to insure leakproof construction.

OPTIONAL ACCESSORIES

Wall Sleeve

- Use for roughing in opening for units.
- Unit cabinet mounts in the wall sleeve for ease of installation.

MODEL NUMBER IDENTIFICATION



SPECIFICATIONS											
Model Number			5PWC-182	7PWC-182	10PWC-182	5PWC-242	7PWC-242	10PWC-242	15PWC-242		
Cooling Data	kW (Btuh)		4.74 (16 200)				6.27 (21 400)				
	EER		8.85				9.25				
	Sensible/Total		0.72				0.74				
Heating Data	at 8°C (47°F)	kW (Btuh)	4.86 (16 600)				6.12 (20 900)				
		C.O.P. (Performance of coefficient)	3.00				3.10				
	at -8°C (17°F)	kW (Btuh)	3.16 (10 800)				3.81 (13 000)				
		C.O.P. (Performance of coefficient)	3.10				2.10				
Outdoor Coil Fan	Diameter - mm (in.)		457 (18)								
	Motor output - W (hp)		186 (1/4)								
	Rev/Min		1075								
Indoor Blower	Blower wheel nominal diameter x width - mm (in.)		254 x 203 (10 x 8)								
	Nominal motor output - W (hp)		186 (1/4)								
	Voltage & phase		220/240v-1ph								
Refrigerant charge furnished — kg (oz.) HCFC-22			2.10 (4.63)				1.99 (4.38)				
Shipping weight — kg (lbs.) 1 package			159 (350)				163 (360)				
Electrical Data	Line voltage and Phase - 50 hz		220/240 - 1								
	Voltage range (minimum — maximum)		198 — 264V								
	Compressor	Rated load amps		8.3				11.6			
		Locked rotor amps		47				62.5			
	Outdoor Coil Fan Motor - Rated load amps			1.8							
	Electric Heater Nominal kW			5	7	10	5	7	10	15	
	Minimum Circuit Ampacity	Circuit 1	220v	33	43	14	37	47	18	37	
			240v	35	45	14	39	49	18	39	
		Circuit 2	220v	---	---	48	---	---	48	48	
			240v	---	---	52	---	---	52	52	
	Maximum Fuse/HACR Breaker	Circuit 1	220v	40	50	20	40	50	20	40	
			240v	40	50	20	40	50	20	40	
Circuit 2		220v	---	---	50	---	---	50	50		
		240v	---	---	60	---	---	60	60		
OPTIONAL ACCESSORIES - Must Be Ordered Extra											
Wall Sleeve			CA-239 (40L33)								

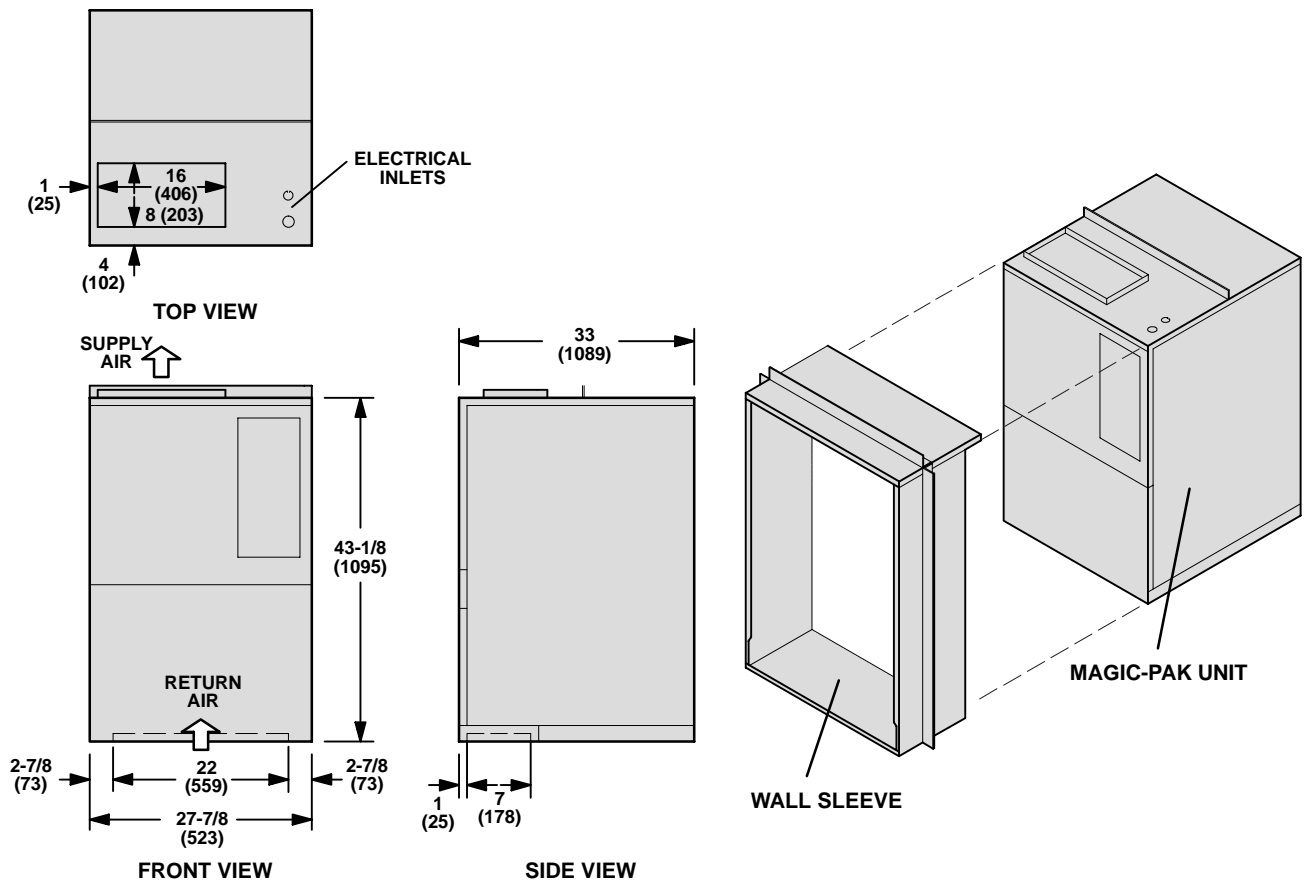
NOTE — Refer to local electrical codes to determine wire, fuse and disconnect size requirements.

BLOWER PERFORMANCE							
Model No.	Blower Speed	L/s (cfm) at external static pressure with filter - kPa (in. wc)					
		25 (0.1)	50 (0.2)	75 (0.3)	100 (0.4)	125 (0.5)	150 (0.6)
PWC182	High	405 (855)	390 (825)	370 (785)	355 (755)	335 (715)	310 (660)
	Medium	305 (645)	300 (635)	295 (630)	285 (600)	270 (570)	255 (540)
	Low	240 (505)	240 (505)	235 (495)	225 (480)	210 (450)	195 (410)
PWC242	High	405 (855)	390 (825)	370 (785)	355 (755)	335 (715)	310 (660)
	Medium	305 (645)	300 (635)	295 (630)	285 (600)	270 (570)	255 (540)
	Low	240 (505)	240 (505)	235 (495)	225 (480)	210 (450)	195 (410)

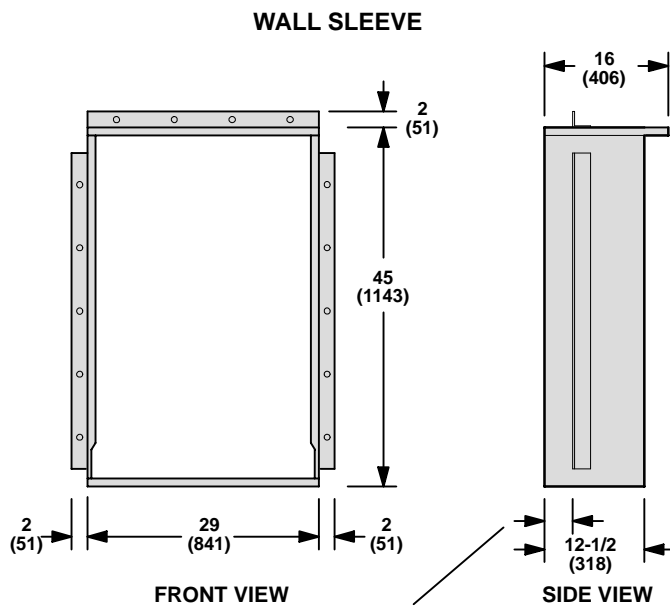
COOLING PERFORMANCE EXTENDED RATINGS																	
Model No.	Indoor Temperature °C (°F)		Outdoor Temperature - Dry Bulb/Wet Bulb °C (°F)														
			18 (65)			28 (82)			35 (95)			41 (105)			46 (115)		
	Dry Bulb	Wet Bulb	kW	Btuh	S/T	kW	Btuh	S/T	kW	Btuh	S/T	kW	Btuh	S/T	kW	Btuh	S/T
PWC182	29 (85)	22 (72)	1.6	20 600	0.61	1.8	18 900	0.66	1.9	17 500	0.69	2.1	16 500	0.67	2.3	15 400	0.63
	27 (80)	19 (67)	1.5	19 100	0.67	1.7	17 500	0.69	1.8	16 200	0.72	2.0	15 200	0.74	2.2	14 200	0.76
	24 (75)	17 (62)	1.4	17 600	0.75	1.6	16 200	0.80	1.7	15 000	0.83	1.9	14 000	0.87	2.1	13 100	0.90
PWC242	29 (85)	22 (72)	2.0	27 200	0.63	2.2	24 800	0.68	2.4	23 100	0.71	2.6	21 800	0.68	2.8	20 400	0.65
	27 (80)	19 (67)	1.9	25 200	0.69	2.1	23 000	0.71	2.3	21 400	0.74	2.5	20 200	0.75	2.7	18 900	0.78
	24 (75)	17 (62)	1.8	23 300	0.77	2.0	21 300	0.82	2.2	19 800	0.85	2.4	18 600	0.88	2.6	17 500	0.91

HEATING PERFORMANCE EXTENDED RATINGS											
Model No.	Indoor Temperature Dry Bulb °C (°F)	Outdoor Temperature - Dry Bulb/Wet Bulb °C (°F)									
		-18/-18 (0/0)		-8/-9 (17/15)		2/1 (35/33)		8/6 (47/43)		17/13 (62/56)	
		kW	Btuh	kW	Btuh	kW	Btuh	kW	Btuh	kW	Btuh
PWC182	21 (70)	1.3	7 600	1.4	10 800	1.5	13 100	1.6	16 600	1.7	19 400
PWC242		1.7	8 500	1.8	13 000	1.9	27 500	2.0	20 900	2.1	24 800

DIMENSIONS – INCHES (MM)



ACCESSORY DIMENSIONS – INCHES (MM)



Flange may be assembled 1 in. (25 mm) or 3-3/4 (95 mm) from front of sleeve.