



EnerSaver™ Packaged Terminal Air Conditioner and Heat Pump with R-410A Refrigerant

Catalog 1303

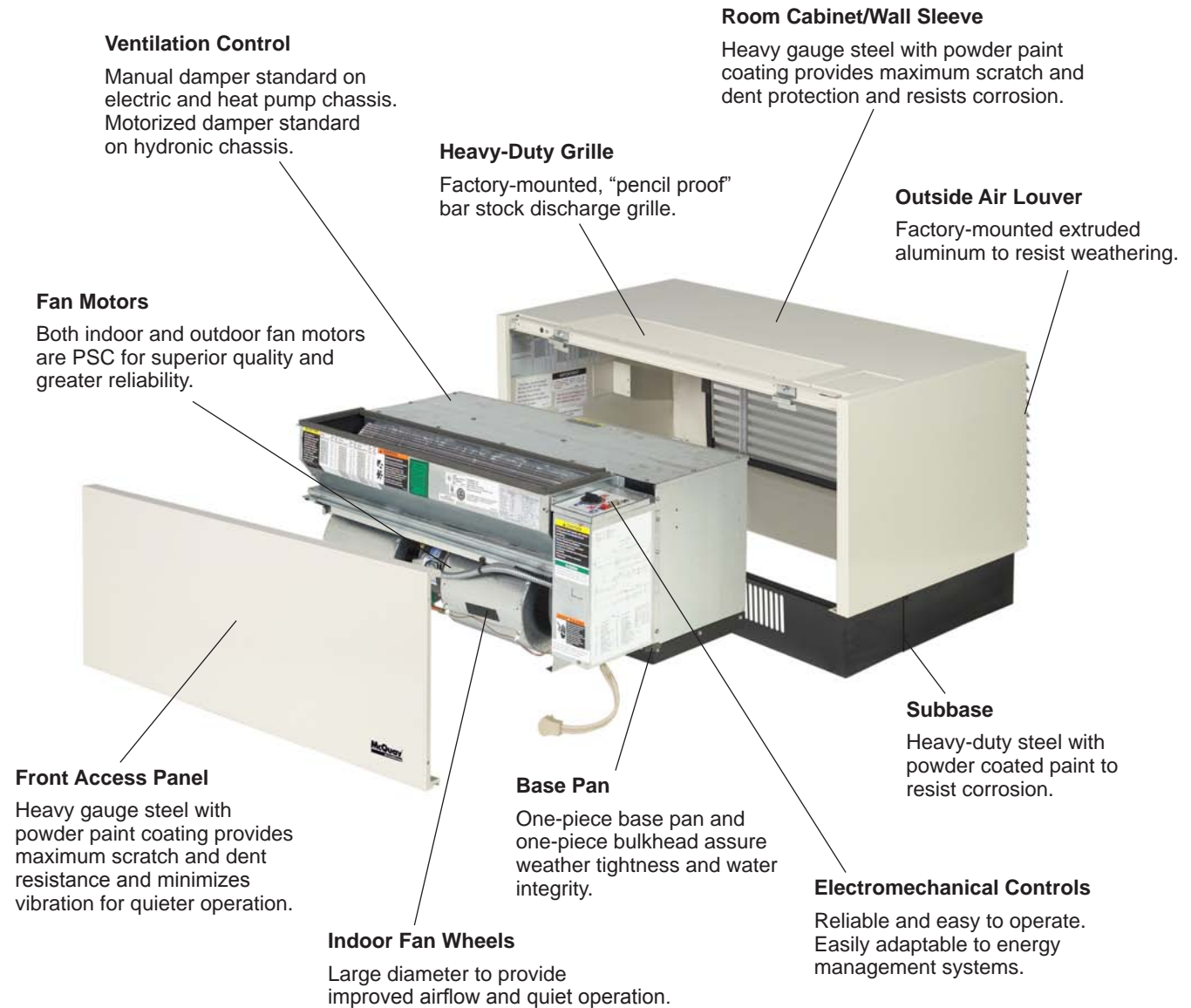
Model PNES – Air Conditioner with Electric or Hydronic Heat
Model PNHS – Heat Pump with Electric Heat

Design Series 3 & 4



Engineered for flexibility and performance™

Heavy Construction for Durability and Quiet Operation



Agency Approval

EnerSaver Packaged Terminal Air Conditioners and Heat Pumps are tested and rated in accordance with ARI Standards 310 and 380. They and are listed by Underwriters Laboratories Inc. and the Canadian Standards Association as complying with nationally recognized safety standards for packaged terminal air conditioners and heat pumps.



Units are listed by the
Canadian Standards Association

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Performance and Electrical Data

EnerSaver™ Packaged Terminal Air Conditioners – PNES

Table 1: Cooling & Heating Capacities

Unit Size	009				012			015		
	115V ^⑤	208V	230V	265V	208V	230V	265V	208V	230V	265V
Voltage ^⑤	115V ^⑤	208V	230V	265V	208V	230V	265V	208V	230V	265V
Full Load Amps - Cooling Only ^{②④}	6.4	5.8	5.2	4.5	6.9	6.3	5.8	8.9	8.0	7.4
Cooling Capacity Btuh ^①	9,200	9,200	9,200	9,200	11,200	11,200	11,200	13,000	13,000	13,000
Sensible Cooling Capacity, Btuh	6,400	6,400	6,400	6,400	7,200	7,200	7,200	8,100	8,100	8,100
Watts	939	939	939	939	1,217	1,217	1,217	1,529	1,529	1,529
EER	9.8	9.8	9.8	9.8	9.2	9.2	9.2	8.5	8.5	8.5
O.A. Ventilation %	20	20	20	20	20	20	20	20	20	20
Aux. Elec. Heat Elements (Total Amps)										
2.2 kW	–	–	9.9	8.8	–	9.9	8.8	–	9.9	8.9
2.3 kW	–	11.4	–	–	11.4	–	–	11.4	–	–
2.9 kW	–	–	12.9	11.4	–	12.9	11.4	–	12.9	11.4
3.2 kW	–	15.7	–	–	15.7	–	–	15.7	–	–
3.7 kW	–	–	–	14.4	–	–	14.4	–	–	14.4
3.9 kW	–	–	17.3	–	–	17.3	–	–	17.3	–
4.2 kW	–	20.5	–	–	20.5	–	–	20.5	–	–

Table 2: Fan Motor Data – PNES

Unit Size	CFM Hi / Lo Speed	Room Air Fan Motor				Outside Fan Motor			
		115V ^⑤	208V	230V	265V	115V	208V	230V	265V
009	320 / 290	0.88	0.34	0.30	0.47	1.40	0.76	0.70	0.66
012	320 / 290	–	0.34	0.30	0.47	–	0.76	0.70	0.66
015	360 / 290	–	0.34	0.30	0.47	–	0.76	0.70	0.66

Notes:

- ① Based on ASHRAE and AHRI standard test conditions of 95°F (35 C) DB / 75°F (24 C) WB outdoor air and 80°F (27 C) DB / 67°F (19 C) WB indoor air.
- ② The complete unit including fan motors.
- ③ Based on ASHRAE and AHRI standard test conditions of 70°F (21 C) DB return air and 47°F (8 C) DB / 43°F (6 C) WB outdoor air.
- ④ Based on high fan speed.
- ⑤ All voltages 60 Hz, single phase.
- ⑥ Air conditioning with hydronic heat only.

Table 3: Auxiliary Hydronic Heat Coil Capacities – PNES^④

Unit Size	Steam Capacity Btuh ^①		Hot Water Capacity				
	Low Speed	High Speed	GPM	Btuh ^②		P.D. ft. H2O (kPa)	
				Low Speed	High Speed	Coil	Valve
009	17,600	19,900	1	11,800	14,900	0.6 (4.1)	0.5 (3.4)
			③	–	16,300	1.8 (12.4)	1.0 (6.9)
			2	14,100	17,000	2.8 (19.3)	1.5 (10.3)
			3	15,000	18,600	5.6 (38.6)	3.0 (20.7)
			4	15,800	19,600	9.0 (62.1)	5.5 (37.9)
012	19,500	21,900	1	13,900	16,200	0.6 (4.1)	0.5 (3.4)
			③	–	17,900	1.8 (12.4)	1.0 (6.9)
			2	15,700	18,100	2.8 (19.3)	1.5 (10.3)
			3	17,000	19,500	5.6 (38.6)	3.0 (20.7)
			4	18,000	20,200	9.0 (62.1)	5.5 (37.9)
015	19,500	21,900	1	13,900	16,200	0.6 (4.1)	0.5 (3.4)
			③	–	17,900	1.8 (12.4)	1.0 (6.9)
			2	15,700	18,100	2.8 (19.3)	1.5 (10.3)
			3	17,000	19,500	5.6 (38.6)	3.0 (20.7)
			4	18,000	20,200	9.0 (62.1)	5.5 (37.9)

Notes:

- ① Based on 70°F (21 C) entering air temperature and 2 psi (3.8 kPa) steam pressure.
- ② Based on 70°F (21 C) entering air temperature and 200°F (93 C) entering water temperature.
- ③ At ASHRAE and AHRI conditions of 70°F (21 C) entering air temperature, 200°F (90 C) entering water temperature and 108°F (82 C) leaving water temperature.
- ④ Maximum hot water temperature = 250°F (121 C), maximum steam pressure = 5 psig (35 kPa), minimum steam pressure = psig (7 kPa).