

PURCHASER	P.O. #	DATE
PROJECT	LOCATION	
ENGINEER	ARCHITECT	
SUBMITTED BY	FOR APPROVAL	FOR REFERENCE

ITEM	PLAN DESIGNATION	QUANTITY	COOLING Btu	VOLTAGE	FRIEDRICH MODEL

ACCESSORIES

PDXWSA	Wall Sleeve	Qty	
PDXWSEZ	Wall Sleeve	Qty	
PDXWSEXT18	Deep Wall Sleeve- For walls up to 17 1/2" deep	Qty	
PDXWSEXT24	Deep Wall Sleeve- For walls up to 23 1/2" deep	Qty	
PDXWSEXT	Custom Deep Wall Sleeve, For walls from 13 1/4" to 25 1/2" deep	Qty	
PXGA	Standard Outdoor Louver	Qty	
PXAA	Architectural Louver, clear	Qty	
PXBG	Architectural Louver, beige	Qty	
PXSC	Architectural Louver, color matched	Qty	
PDXRTB	Remote Thermostat Escutcheon Kit	Qty	
PXDR10	Condensate Drain Kit (pkg/10)	Qty	
PXSBA	Sub Base	Qty	
PXCJA	Conduit Kit w/ Junction Box	Qty	
PDXDAA	Lateral Duct Adapter	Qty	
PDXDEA	Lateral Duct Extension	Qty	
PXFTA	Replacement Filters (Set of 10)	Qty	
UVT1	Friedrich® UV Single Bulb Germicidal UV Kit	Qty	
APWM1	FreshAire® Purification iWaves Series M	Qty	

PXSB23020	Electrical Subbase - 230V 15A and 20A	Qty	
PXSB23030	Electrical Subbase - 230V 30A	Qty	
PXSB26515	Electrical Subbase - 265V 15A	Qty	
PXSB26520	Electrical Subbase - 265V 20A	Qty	
PXSB26530	Electrical Subbase - 265V 30A	Qty	
RT7	Wired Digital Thermostat	Qty	
RT7P	Wired Programmable Digital Thermostat	Qty	
EMRT2	Wired Thermostat with Occupancy Sensor	Qty	
EMWRT2	Wireless Thermostat with Occupancy Sensor	Qty	
VRPXEMRT2	Wired 12v Intelligent Controller for FreshAire PTAC	Qty	
VRPXEMWRT2	Wireless 12v Intelligent Controller for FreshAire PTAC	Qty	
WRT2	Wireless Digital Thermostat	Qty	
EMOCT	Online Connection Kit	Qty	
EMRAF	Remote Access Fee	Qty	
EMRHCF	Energy Management Remote Humidity Control Fee	Qty	

FEATURES

Constant room comfort monitoring

"Instant Heat" heat pump mode quickly heats a room to the desired temperature for increased comfort

Even heat monitoring checks room temperature and automatically adds heat boost if necessary

Room freeze protection- heat initiated if temperature falls to 40°F in an unoccupied room, raising temperature to 46°F

Dual motors for quiet operation

Durable, powder coat paint finish

Indoor coil frost sensor protects the compressor to lengthen the life of the unit

Random compressor restart protects electrical systems from overload when power is restored

Separate heat and cool range limits

Central desk control ready allowing hotel owners to control units from a central location

Condensate removal systems uses slinger ring technology

Electronic defrost control ensures more run time in the efficient heat pump mode

Fresh air damper control to bring in fresh outside air when desired

Washable, easy access air filters

Service error code memory storage

Emergency heat override



PTHP Heat Pumps Models

Model	PZH07K3SB	PZH09K3SB	PZH09R3SB	PZH12K3SB	PZH12R3SB	PZH15K5SB
PERFORMANCE DATA						
Cooling Btu	7200/6800	9600/9400	9200	12000/11800	12000	14500/14300
Cooling Watts	600/565	815/800	800	1050/1035	1130	1420/1400
Energy Efficient Ratio, EER	12.0/12.0	11.8/11.8	11.5	11.4/11.4	10.6	10.2/10.2
Heater Size (kW)	3.6	3.6	3.6	3.6	3.6	5.0
Reverse Heating Btu	6400/6300	8500/8200	8500	11000/10800	11400	13600/13200
Heating Watts	530/520	710/685	710	930/920	1000	1180/1150
COP	3.55/3.54	3.51/3.51	3.51	3.47/3.44	3.34	3.38/3.36
Moisture Removal (pints/hr.)	0.7	1.2	1.6	2.1	3.2	3.0
Sensible Heat Ratio	87%	82%	82%	77%	72%	72%
ELECTRICAL DATA						
Voltage(1 PHASE, 60 Hz)	230/208	230/208	265	230/208	265	230/208
Volt Range	253-187	253-187	292-239	253-187	291-239	253-187
Current (Amps)	2.6/2.7	5.0	4.2	7.6	5.9	9.6
Reverse Heat. Amps	2.3/2.5	--	--	--	--	--
Power Factor	0.99	0.99	0.82	0.96	0.72	0.99
Compressor LRA	13	20	18.5	28.5	25.85	34.5
Compressor RLA	2.5/2.1	3.05/2.25	3.1	4.09/5.3	4.3	5.75/6.35
Outdoor Fan Motor, HP	0.07	0.07	0.07	0.07	0.07	0.09
AIRFLOW DATA						
Indoor CFM, HIGH	335	400	400	470	470	470
Indoor CFM, LOW	290	290	290	360	360	420
Vent CFM	75	75	75	75	75	75
PHYSICAL DATA						
Sleeve Dimensions (H x W x D)	16" x 42" x 13 3/4" (ALL MODELS)					
Dimensions with Front (H x W x D)	16" x 42" x 21 1/2" (ALL MODELS)					
Cut Out Dimensions (H x W x D)	16 1/4" x 42 1/4" (ALL MODELS)					
Net Weight (lbs.)	106	108	130	115	130	117
Shipping Weight (lbs.)	128	130	136	137	137	139
R-410 Charge (oz.)	29.98	32.1	31.4	30.7	30.0	34.2
Dimensions with Packaging (inches)	19" 3/4 x 43 1/2" x 23" (ALL MODELS)					

R-32 Refrigerant Heat Pumps (Preliminary)

Model	PZH07K3SC	PZH07K2SC	PZH09K3SC	PZH09R3SC	PZH12K3SC	PZH12K5SC	PZH12R3SC	PZH15K3SC	PZH15K5SC
PERFORMANCE DATA									
Cooling Btu	7200/6800	7200/6800	9200/9000	9000	12000/11800	12000/11800	12000	14500/14300	14500/14300
Cooling Watts	605/570	605/570	805/790	780	1130/1110	1130/1110	1040	1450/1430	1450/1430
Energy Efficient Ratio, EER	11.9/11.9	11.9/11.9	11.4/11.4	11.5	10.6/10.6	10.6/10.6	11.5	10.0/10.0	10.0/10.0
Heater Size (kW)	3.6	2.5	3.6	3.6	3.6	5.0	3.6	3.6	5.0
Reverse Heating Btu	6000/5800	6000/5800	8000/7800	8200	10400/10200	10400/10200	11700	13600/13200	13600/13200
Heating Watts	500/485	500/485	690/670	685	895/880	895/880	940	1245/1210	1245/1210
COP	3.5/3.5	3.5/3.5	3.4/3.4	TBD	3.4/3.4	3.4/3.4	3.65	3.2/3.2	3.2/3.2
Moisture Removal (pints/hr.)	0.3/0.36	TBD	1.37/1.69	1.1	2.32/2.56	TBD	2.81	TBD	4.29/4.4
Sensible Heat Ratio	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
ELECTRICAL DATA									
Voltage(1 PHASE, 60 Hz)	230/208	230/208	230/208	265	230/208	230/208	265	230/208	230/208
Volt Range	253-187	253-187	253-187	TBD	253-187	253-187	TBD	253-187	253-187
Current (Amps)	2.63/2.74	2.63/2.74	3.5/3.8	3.5	4.9/5.3	4.9/5.3	3.9	6.3/6.9	6.3/6.9
Reverse Heat. Amps	2.1/2.3	2.1/2.3	3.0/3.2	3.1	3.9/4.2	3.9/4.2	3.5	5.4/5.8	5.4/5.8
Power Factor	0.93/0.95	TBD	0.97/0.90	0.86	0.99/0.98	TBD	0.86	TBD	0.99/0.98
Compressor LRA	13.4	13.4	17.5	16.0	23.9	23.9	21.0	34.7	34.7
Compressor RLA	2.4	2.4	3.43	2.45	4.51	4.51	4.3	6.4	6.4
Outdoor Fan Motor, HP	0.07	0.07	0.07	TBD	0.07	TBD	TBD	TBD	0.09
AIRFLOW DATA									
Indoor CFM, HIGH	424	TBD	412	412	471	TBD	471	TBD	471
Indoor CFM, LOW	365	TBD	365	365	412	TBD	412	TBD	412
Vent CFM	75	75	75	75	75	75	75	75	75
PHYSICAL DATA									
Sleeve Dimensions (H x W x D)	16" x 42" x 13 3/4" (ALL MODELS)								
Dimensions with Front (H x W x D)	16" x 42" x 21 1/2" (ALL MODELS)								
Cut Out Dimensions (H x W x D)	16 1/4" x 42 1/4" (ALL MODELS)								
Net Weight (lbs.)	95.6	92.6	95	94	107	107	94	108	108
Shipping Weight (lbs.)	104	104	106	105	118	118	105	190	190
R-32 Charge (oz.)	17.6	17.6	18.7	19.0	21.5	21.5	22.2	27.5	27.5
Dimensions with Packaging (inches)	19" 3/4 x 43 1/2" x 23" (ALL MODELS)								

Operating range 0°-115°F.
Due to continuing research in new energy-saving technology, specifications are subject to change without notice. Warranty limited to installations in the United States, Puerto Rico, Mexico and Canada only. See warranty documentation for full details.

SPECIFICATIONS

Electric Heat models

Model	PZE07K3SB	PZE09K3SB	PZE09R3SB	PZE12K3SB	PZE12R3SB	PZE15K5SB
PERFORMANCE DATA						
Cooling Btu	7200/6800	9600/9400	9200	12000/11800	12000	14500/14300
Cooling Watts	600/565	815/800	800	1050/1035	1130	1420/1400
Energy Efficient Ratio, EER	12.0	11.8/11.8	11.5	11.4/11.4	10.6	10.2/10.2
Heater Size (kW)	3.6	3.6	3.6	3.6	3.6	5.0
Moisture Removal (pints/hr.)	0.7	1.2	1.6	2.1	3.2	3.0
Sensible Heat Ratio	87%	82%	82%	77%	72%	72%
ELECTRICAL DATA						
Voltage(1 PHASE, 60 Hz)	230/208	230/208	265	230/208	265	230/208
Volt Range	253-187	253-187	292-239	253-187	292-239	253-187
Current (Amps)	2.6/2.7	3.5	4.2	4.5	5.92	6.17
Power Factor	0.99	0.99	0.99	0.96	0.99	0.99
Compressor LRA	13.0	20.0	18.15	28.5	25.9	34.5
Compressor RLA	2.5/2.1	3.05/3.25	3.1	4.09/5.3	4.3	5.75/6.35
Outdoor Fan Motor, HP	0.07	0.07	0.07	0.07	0.07	0.09
AIRFLOW DATA						
Indoor CFM, HIGH	335	400	400	470	470	470
Indoor CFM, LOW	250	250	290	360	360	360
Vent CFM	75	75	75	75	75	75
PHYSICAL DATA						
Sleeve Dimensions (H x W x D)	16" x 42" x 13 3/4" (ALL MODELS)					
Dimensions with Front (H x W x D)	16" x 42" x 21 1/2" (ALL MODELS)					
Cut Out Dimensions (H x W x D)	16 1/4" x 42 1/4" (ALL MODELS)					
Net Weight (lbs.)	122	110	128	135	115	137
Shipping Weight (lbs.)	126	128	136	137	137	137
R-410A Charge (oz.)	30.0	32.1	31.4	30.7	30.0	34.2
Dimensions with Packaging (inches)	19 3/4 x 43 1/2" x 23" (ALL MODELS)					

R-32 Refrigerant Electric Heat models




Model	PZE07K3SC	PZE09K3SC	PZE09R3SC	PZE12K3SC	PZE12R3SC	PZE15K5SC
PERFORMANCE DATA						
Cooling Btu	7200/6800	9300/9100	9200	12000/11800	12000	14500/14300
Cooling Watts	600/580	800/785	800	1110/1090	1130	1450/1430
Energy Efficient Ratio, EER	12.0	11.6/11.6	11.5	10.8/10.8	10.6	10.0/10.0
Heater Size (kW)	3.6	3.6	3.6	3.6	3.6	5.0
Moisture Removal (pints/hr.)	0.3/0.36	1.37/1.69	1.1	2.32/2.56	2.81	4.29/4.44
Sensible Heat Ratio	87%	82%	82%	77%	72%	72%
ELECTRICAL DATA						
Voltage(1 PHASE, 60 Hz)	230/208	230/208	265	230/208	265	230/208
Volt Range	253-187	250-187	292-239	253-287	292-239	253-187
Current (Amps)	2.6/2.7	3.48/3.77	4.2	4.82/5.24	5.92	6.3/6.87
Power Factor	0.93/0.95	0.97/0.98	0.86	0.99/0.98	0.86	0.99/0.98
Compressor LRA	13.4	17.5	18.2	23.9	25.9	34.7
Compressor RLA	2.4	3.43	3.0	4.51	4.3	6.4
Outdoor Fan Motor, HP	0.07	0.07	0.07	0.07	0.07	0.07
AIRFLOW DATA						
Indoor CFM, HIGH	424	412	412	471	471	471
Indoor CFM, LOW	365	365	365	412	412	412
Vent CFM	75	75	75	75	75	75
PHYSICAL DATA						
Sleeve Dimensions (H x W x D)	16" x 42" x 13 3/4" (ALL MODELS)					
Dimensions with Front (H x W x D)	16" x 42" x 21 1/2" (ALL MODELS)					
Cut Out Dimensions (H x W x D)	16 1/4" x 42 1/4" (ALL MODELS)					
Net Weight (lbs.)	90	94	94	106	94	107
Shipping Weight (lbs.)	103	105	105	117	105	118
R-32 Charge (oz.)	17.6	18.7	19.0	21.5	22.2	27.5
Dimensions with Packaging (inches)	19 3/4 x 43 1/2" x 23" (ALL MODELS)					

Operating range 0°-115°F.

Due to continuing research in new energy-saving technology, specifications are subject to change without notice.

Five-year warranty limited to installations in the United States, Puerto Rico, Mexico and Canada only.

See warranty documentation for full details.

RECEPTACLES AND FUSE TYPES			
Voltage	230V		265V
Amps	20	30	20
Heater Size	3.6 kW	5.0 kW	3.6 kW
Receptacles			
NEMA# Receptacle	6-20R	6-30R	7-20R
NEMA# Plug	6-20P	6-30P	7-20P

