FRIEDRICH

ZoneAire® Premier Series PTACS

Cooling with Electric Heat, Heat Pumps

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	
PDXWSEXT20	Deep Wall Sleeve- For walls up to 19 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	
PXAAHD	Miami Dade Architectural Anodized Aluminum Louver	Qty	
PXSCHD	Miami Dade available in custom colors	Qty	
PDXRTA	Remote Thermostat Escutcheon Kit	Qty	
PXDR10	Condensate Drain Kit (pkg/10)	Qty	
PXSBA	Sub Base	Qty	
PXDS	Subbase Disconnect Switch	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	
APWM1	FreshAire® Purification iWaves Series M	Qty	
PXSB23020	Electrical Subbase - 230V 15A and 20A	Qty	
PXSB23030	Electrical Subbase - 230V 30A	Qty	

PXSB26515	Electrical Subase - 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	
EMRTA4	Wired Thermostat with Occupancy Sensor (white)	Qty	
EMRTB4	Wired Thermostat with Occupancy Sensor (black)	Qty	
EMWRTA4	Wireless Thermostat with Occupancy Sensor (white)	Qty	
EMWRTB4	Wireless Thermostat with Occupancy Sensor (black)	Qty	
WRT2	Wireless Digital Thermostat	Qty	
EMOCT	Online Connection Kit	Qty	
EMRAF	Remote Access Fee	Qty	
EMZBU	Zigbee/ BLE Door lock integration chip	Qty	
PXPC23015A, PXPCFA23015, or PC23015	LCDI 230V 15A Cord - 2.5 kW	Qty	
PXPC23020A, PXPCFA23020, or PC23020	LCDI 230V 205A Cord - 3.5 kW	Qty	
PXPC23030A, PXPCFA23030, or PC23030	LCDI 230V 30A Cord - 5.0 kW	Qty	
PXPC26515A, PXPCFA26515, or PC26515	Non-LCDI 265V 15A Cord - 2.5 kW	Qty	
PXPC26520A, PXPCFA26520, PC26520	Non-LCDI 265V 20A Cord - 3.5 kW	Qty	
PXPC26530, PXPCFA26530, or PC26530	Non-LCDI 265V 30A Cord - 5.0 kW	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.

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

Washable, easy access air filters

Service error code memory storage

Emergency heat override

ZoneAire® Premier PTAC

SPECIFICATIONS

ELECTRIC HEAT MODELS, R-32 REFRIGERANT

Models ending in 'K' are 230/208V, models ending in 'R' are 265V

Model	PDE07K3SGR3	PDE07R3SGR3	PDE09K3SGR3	PDE09R3SGR3	PDE12K3SGR3	PDE12R3SGR3	PDE15K5SGR3	PDE15R5SGR3
PERFORMANCE DATA								
*Cooling Btu/h	7,400/7,200	7,500	10,200/9,900	10,000	12,300/12,100	12,300	14,700/14,400	14,800
Cooling Watts	560/540	560	810/790	800	1,060/1,020	1,060	1,420/1,380	1,400
Energy Efficiency Ratio, EER	13.0/13.0	13.3	12.5/12.5	12.5	11.6/11.8	11.6	10.4/10.6	10.6
Heater Size (kW)	3.5	3.5	3.5	3.5	3.5	3.5	5	5
Moisture Removal (pints/h)	1.69	1.69	2.11	2.11	2.74	2.74	3.17	3.17
Sensible Heat Ratio	86%	86%	85%	85%	75%	75%	67%	67%
ELECTRICAL DATA								
Voltage (1 Phase, 60 Hz)	230/208	265	230/208	265	230/208	265	230/208	265
Volt Range	253 – 187	292 – 239	253 – 187	292 – 239	253 – 187	292 – 239	253 – 187	292 – 239
Current (Amps)	2.4/2.6	2.1	3.6/3.9	3.2	4.7/5.0	4.0	6.0/6.5	5.3
Electric Heater (Amps)	15.0	13.1	15.0	13.1	15.0	13.1	21.8	18.9
Power Factor	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Compressor LRA	13.0	12.0	17.0	15.0	30.0	21.0	35.2	26.0
Compressor RLA	2.16	2.2	3.1	3.4	4.0	3.3	5.0	6.4
Outdoor Fan Motor (HP)	0.080	0.080	0.080	0.080	0.086	0.086	0.086	0.086
AIRFLOW DATA								
Indoor CFM, HIGH	311.9	311.9	330	330	341.33	341.33	341	341.33
Indoor CFM, LOW	282.48	282.48	282	282	306.02	306.02	306	306.02
Vent CFM	75	75	75	75	75	75	75	75
PHYSICAL DATA								
Sleeve Dimensions (H x W x D)	16" x 42" x 13 3/4"							
Dimensions with Front (H x W x D)	16" x 42" x 21 1/2"							
Cut Out Dimensions (H x W x D)	16 1/4" x 42 1/4"							
Net Weight (lbs.)	110.25	110.25	110.3	110.3	114.66	114.66	114.7	114.7
Shipping Weight (lbs.)	132.3	132.3	132.3	132.3	136.71	136.71	136.7	136.7
R-32 Charge (oz.)	17.64	17.64	17.28	17.28	21.16	21.16	19.75	19.79
Dimensions with Packaging (inches)	17 7/8" x 45" x 25 1/4" (all models)							

Electrical Heater Data

MODEL	HEATER kW	Power Cord Kit	Voltage	BRANCH CKT AMPS	MCA	Watts	Cord length	Receptacle	
PDH07K, PDH09K, PDH12K, PDH15K	2.5	PXPC23015A, PXPCFA23015*, or PC23015*	230/208	15	13.9	2500	67"	NEMA 6-15r	
PDH07R, PDH09R, PDH12R, PDH15R	2.5	PXPC26515A, PXPCFA26515*, or PC26515*	265	15	7.3	1500	18"	NEMA 7-15r	
PDH07K, PDH09K, PDH12K, PDH15K	3.5	PXPC23020A, PXPCFA23020*, or PC23020*	230/208	20	19.9	3600	67"	NEMA 6-20r	
PDH07R, PDH09R, PDH12R, PDH15R	3.5	PXPC26520A, PXPCFA26520*, PC26520*	265	20	16.8	3500	18"	NEMA 7-20r	
PDH09K, PDH12K, PDH15K	5.0	PXPC23030A, PXPCFA23030*, PC23030*	230/208	30	27.5	5000	67"	NEMA 6-30r	
PDH09R, PDH12R, PDH15R	5.0	PXPC26530A, PXPCFA26530*, or PC26530*	265	30	23.8	5000	18"	NEMA 7-30r	

Warranty limited to installations in the United States, Puerto Rico, Mexico and Canada only. See warranty documentation for full details.

*Units must be appropriately sized/selected based on accurate building /room load requirements and the rated capacity of the equipment.

Standard power cord installed on each unit (7-12k-3.5KW), (15K-5.0 KW). Optional 2.5Kw, 3.5Kw or 5kW through universal heater cord selection

*Requires a jumper for proper operation. See Accessory Installation and Operation Manual for details

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HEAT PUMP MODELS, R-32 REFRIGERANT

Models ending in 'K' are 230/208V, models ending in 'R' are 265V

Model	PDH07K3SGR3	PDH07R3SGR3	PDH09K3SGR3	PDH09R3SGR3	PDH12K3SGR3	PDH12R3SGR3	PDH15K5SGR3	PDH15R5SGR3
PERFORMANCE DATA								
*Cooling Btu/h	7,400/7,200	7,300	9,700/9,400	9,800	12,100/11,900	12,000	14,600/14,200	14,500
Cooling Watts	570/560	560	800/780	810	1,040/1,000	1,030	1,400/1,360	1,390
Energy Efficiency Ratio, EER	13.0/13.0	13.0	12.1/12.1	12.1	11.6/11.8	11.6	10.4/10.4	10.4
Heater Size (kW)	3.5	3.5	3.5	3.5	3.5	3.5	5	5
*Heat Pump Btu/h	6,000/5,800	6,000	8,500/8,200	8,600	10,900/10,700	10,700	13,800/13,300	13,300
Heating Watts	490/460	490	690/670	690	940/900	920	1,310/1,250	1,250
COP (W/W)	3.6/3.6	3.6	3.6/3.6	3.65	3.4/3.46	3.4	3.1/3.1	3.1
Moisture Removal (pints/h)	1.69	1.69	2.11	2.11	2.75	2.75	3.17	3.17
Sensible Heat Ratio	83/80%	83%	75%	75%	70%	70%	---	---
ELECTRICAL DATA								
Voltage (1 Phase, 60 Hz)	230/208	265	230/208	265	230/208	265	230/208	265
Volt Range	253-187	238.5-291	253-187	292-239	253-187	292-239	253-187	292-239
Current (Amps)	2.4/2.6	2.1	3.6/3.9	3.1	4.6/4.9	4	6.0/6.5	5.3
Electric Heater (Amps)	15.0	13.1	15.0	13.1	15.0	13.1	21.8	18.9
Heat Pump (Amps)	2.1/2.3	1.8	3.1/3.2	2.6	4.1/4.3	3.5	5.6/5.9	4.7
Power Factor	0.99/1.0	1.0	0.99	0.99	0.99	0.99	---	---
Compressor LRA	13	12	17	15	30	21	35.2	26
Compressor RLA	2.16	2.2	3.1	3.4	4.0	4.5	5	6.4
Outdoor Fan Motor, HP	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
AIRFLOW DATA								
Indoor CFM, HIGH	311.9	311.9	330	330	340	341	341	341
Indoor CFM, LOW	282.48	282.48	282	282	306	306	306	306
Outdoor Air	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" (all models)							
Cut Out Dimensions (H x W)	16 1/4" x 42 1/4" (all models)							
Net Weight (lbs.)	112.45	112.45	115	115	119	119	120	120
Shipping Weight (lbs.)	134.5	134.5	135	135	141	141	142	142
R-32 Charge (oz.)	27.51	27.51	24.7	24.7	20.92	28.9	29.63	28.57
Dimensions with Packaging (inches)	17 7/8" x 45" x 25 1/4" (all models)							

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PDH07K, PDH09K, PDH12K, PDH15K	3.5	PXPC23020A, PXPCFA23020*, or PC23020*	230/208	20	19.9	3600	67"	NEMA 6-20r	
PDH07R, PDH09R, PDH12R, PDH15R	3.5	PXPC26520A, PXPCFA26520*, PC26520*	265	20	16.8	3500	18"	NEMA 7-20r	
PDH09K, PDH12K, PDH15K	5.0	PXPC23030A, PXPCFA23030*, PC23030*	230/208	30	27.5	5000	67"	NEMA 6-30r	
PDH09R, PDH12R, PDH15R	5.0	PXPC26530A, PXPCFA26530*, or PC26530*	265	30	23.8	5000	18"	NEMA 7-30r	

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