



FRIEDRICH

ZONEAIRE® SELECT PTAC

Packaged Terminal

Exceptional value, with reliable performance backed by an outstanding warranty.

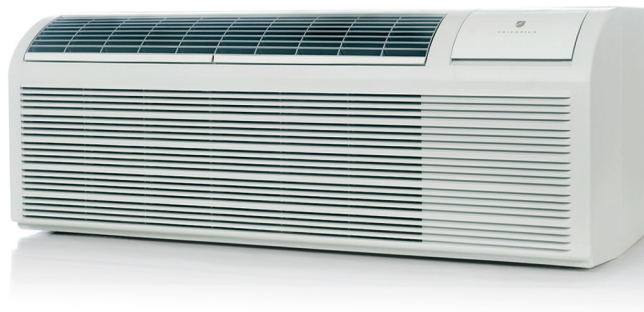


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PRODUCT FEATURES AND BENEFITS

Tangential blower wheel for fast, powerful and even air distribution

EERs up to 12.0; COPs up to 3.5

2-speed fan cooling or heating

Adjustable high/low temperature range limits for reduced energy usage

Internal diagnostic program

Wireless or wired remote thermostat operation

Central desk control ready

Compatible with energy management systems

FreshAire® IAQ Ready

Two permanently lubricated fan motors for quiet operation

EERs up to 12.0; COPs up to 3.5

A full complement of Indoor Air Quality Products has been certified through installation and testing to ensure exceptional air quality is achieved when FreshAire® IAQ accessories are added.

Reversible indoor air louvers

Condensate removal system uses slinger ring technology to cool the coil and increase efficiency

Condensate removal system uses slinger ring technology to cool the coil and increase efficiency

Washable air filters

Modular design ensures easy access to key components

Fits standard PTAC sleeve without added cost of a baffle kit

2 yr. parts and labor warranty; 5 yr. limited warranty. See warranty document for full details

DIGITAL TEMPERATURE READOUT

By digitally monitoring the desired room temperature, the room is controlled more precisely than conventional systems. The large, easy-to-read LED display can show either the setpoint or actual room temperature as selected by owner.

INDIVIDUAL MODE & FAN CONTROL BUTTONS

By having separate control buttons and indicators for both fan and mode settings, the Friedrich digital control eliminates the confusion of previous digital PTACs. The accurate temperature setting provides greater guest comfort than other systems.

QUIET START/STOP FAN DELAY

The fan start and stop delays prevent abrupt changes in room acoustics due to the compressor energizing or stopping immediately. Upon call for cooling or heating, the unit fan will run for five seconds prior to energizing the compressor. Also, the fan-off delay allows for "free cooling" by utilizing the already cool indoor coil to its maximum capacity by running for 60 seconds after the compressor.

REMOTE THERMOSTAT OPERATION

Some applications require the use of a wall-mounted thermostat. Friedrich PTACs may be switched from unit control to remote thermostat control easily without the need to order a special model or accessory kit.

INTERNAL DIAGNOSTIC PROGRAM

The Friedrich digital PTAC features a self-diagnostic program that can alert maintenance to component failures or operating problems. The internal diagnostic program saves properties valuable time when diagnosing running problems.

FACTORY RUN-TEST

Factory run-tested units reduce problems in the field.

PRODUCT FEATURES AND BENEFITS	
ELECTRONIC TEMPERATURE LIMITING	By limiting the operating range, the property can save energy by eliminating “max cool” or “max heat” situations common with older uncontrolled systems. The new electronic control allows owners to set operating ranges for both heating and cooling independently of one another.
ROOM FREEZE PROTECTION	When the PTAC senses that the indoor room temperature has fallen to 50°F, the unit will cycle on the fan (high) and the electric strip heat to raise the room temperature to 55°F, and then cycle off again. This feature works regardless of the mode selected and can be turned off.
RANDOM COMPRESSOR RESTART	Multiple compressors starting at once can often cause electrical overloads and premature unit failure. The random restart delay eliminates multiple units from starting at once following a power outage or initial power up. The compressor delay will range from 120 to 240 seconds.
CONDENSATE REMOVAL SYSTEM	Condenser fan utilizes slinger ring technology to pick up condensate from the base pan and disperse it on to the condenser coil where it evaporates. This helps to cool the coil and increase the energy efficiency of the unit.
DIGITAL DEFROST THERMOSTAT	The PZ-Series uses a digital thermostat to accurately monitor the outdoor coil conditions to allow the heat pump to run whenever conditions are correct. Running the PTAC in heat pump mode saves energy and reduces operating costs. The digital thermostat allows maximization of heat pump run time.
INSTANT HEAT HEAT PUMP MODE	Heat pump models will automatically run the electric heater to quickly bring the room up to temperature when initially energized, then return to heat pump mode. This ensures that the room is brought up to temperature quickly without the usual delay associated with heat pump units.
SEPARATE HEAT/COOL FAN CYCLE CONTROL	The owner may choose between fan cycling or fan continuous mode based on property preference. Fan continuous mode is used to keep constant air ow circulation in the room during all times the unit is 'ON'. Fan cycle will conserve energy by only operating the fan while the compressor or electric heater is operating. The ability to set the fan cycling condition independently between heating and cooling mode will increase user comfort by allowing the choice of only constantly circulating air in the summer or winter time (unlike other PTAC brands that only allow one selection).
EMERGENCY HEAT OVERRIDE	In the event of a compressor failure in heat pump mode, the compressor may be locked out to provide heat through the resistance heater. This feature ensures that even in the unlikely event of a compressor failure, the room temperature can be maintained until the compressor can be serviced.
CENTRAL DESK CONTROL READY	All Friedrich digital PTACs have low voltage terminals ready to connect a central desk control energy management system. Controlling the unit from a remote location like the front desk can reduce energy usage and requires no additional accessories on the PTAC unit.
INDOOR COIL FROST SENSOR	The frost sensor protects the compressor from damage in the event that airflow is reduced or low outdoor temperatures cause the indoor coil to freeze. When the indoor coil reaches 33°F, the compressor is disabled and the fan continues to operate based on demand. Once the coil temperature returns to 59°F, the compressor returns to operation.
ULTRAQUIET AIR SYSTEM	The PZ-Series units feature an indoor fan system design that reduces sound levels without lowering airflow or preventing proper air circulation
HIGH EFFICIENCY	The Friedrich PTAC has been engineered so that all functional systems are optimized so that they work together to deliver the highest possible performance
DUAL MOTOR	The dual-motor design means that the indoor motor can run at slower speeds which reduces sound levels indoors
ROTARY COMPRESSOR	High efficiency rotary compressors are used on all Friedrich PTACs to maximize durability and efficiency.
TOP-MOUNTED AIR FILTERS	All Friedrich PTAC return air filters and PXFTB replacement filter kits are washable, reusable and easily accessed from the top of the unit without the removal of the front cover.
FILTERED FRESH AIR INTAKE	Friedrich PTAC units are capable of introducing up to 75 CFM of outside air into the conditioned space. The outdoor air passes through a washable mesh screen to prevent debris from entering the airstream.
R-32 REFRIGERANT	Friedrich PTAC units use environmentally-friendly refrigerant
DIAMONGOLD™ TECHNOLOGY	Diamongold™ technology protects the outdoor coil from harsh environments.
BREAK-PROOF CONTROL DOOR	Break-proof control door design maintains the integrity of the unit.
GALVANIZED ZINC WALL SLEEVE AND BASE PAN	Galvanized zinc coated steel wall sleeve and steel base pan undergo an 11-step preparation process, are powder coated with a polyester finish and cured in an oven for exceptional durability.

Model Number Identification

PZ	H	12	K	3	S	D
12	3	45	6	7	8	9

1-2 Series

ZoneAir® Select PTAC

3 System

E = Cooling with Electric Heat

H - Heat Pump with Auxillary Heat

4-5 Nominal Capacity (Btu/h)

07 = 7,000

09 = 9,000

12 = 12,000

15 = 15,000

6 Voltage (Single Phase)

K = 230/208 V 1Ph - 60 Hz.

R = 265 V 1Ph - 60 Hz.

7 Heater Watts

2 = 2.5 kW

3 = 3.6 kW

5 = 5.0 KW

8 Chassis

S= Standard

9 Engineering Rev

D = Current Model

Serial Number Identification

26	06	G	00001
1-2	3-4	5	6-10

1-2 Year of Manufacture

26=2026

3-4 Month of Manufacture

01 = January

02 = February

03 = March

04 = April

05 = May

06 = June

07 = July

08 = August

09 = September

10 = October

11 = November

12 = December

5 Manufacturing Location

G = PTAC Zoneair Select

6-10 Numeric Sequence

Numeric Sequence

First Unit Of Each Month = 00001

FIELD-INSTALLED ACCESSORIES

Accessory	Description	
WALL CONTROLLERS AND ENERGY MANAGEMENT ACCESSORIES		
EMWRTA4 (White) / EMWRTB4 (Black)	Wireless thermostat with occupancy sensor. Built in Relative Humidity control. Used with EMOCT4 for HVAC energy management.	
EMRTA4 (White) / EMRTB4 (Black)	Wired thermostat with occupancy sensor. Built in Relative Humidity control. Used with EMOCT4 for HVAC energy management.	
EMOCT4	Energy management online connection kit	- For Online management/Networking - One per building
EMRAF4	Energy management online remote access fee	- For Online management/Networking - One per thermosat
EMROS4	Energy management wired remote occupancy sensor	Optional Accessories
EMRTS4	Energy management remote temperature sensor	
EMRDS4	Energy management door switch	
EMCWPA4	Energy management J-box wall-plate (White)	
EMCWPB4	Energy management J-box wall-plate (Black)	
EMRWOS4	Energy management wireless remote occupancy sensor	
EMZBU	Zigbee/ BLE Door Lock Integration chip	Optional accessory, factory installed on the energy management thermostat. Must be ordered with the thermostat.
NOTE: EMOCT/EMRAF will not be compatible with R32 PTACs. EMOCT4/EMRAF4 will be required for Networking.		
THERMOSTATS		
RT7P	24v, Wired (7 Std), single stage, wall-mounted, 7-day programmable thermostat, three fan speeds (auto/low/high), and an easy-to-read large backlight display.	
RT7	24v, Wired (7 Std), non-programmable, wall-mounted thermostat (unit powered capable), three fan speeds (auto/low/high), and an easy-to-read backlight display.	
WRT2	Wireless wall-mounted thermostat (battery powered). Wireless transmitter (24v), 7-day programmable, three fan speeds (auto/low/high), and an easy to read large backlight display.	
LOUVERS		
PXGA	STANDARD GRILLE	Standard, stamped, anodized aluminum to resist chalking and oxidation.
PXAA	ARCHITECTURAL GRILLES Architectural grilles consist of heavy gauge 6063-T5 aluminum alloy.	Clear extruded aluminum.
PXBG		Beige acrylic enamel.
PXSC		Available in custom colors
PXAAHD	HURRICANE LOUVERS	Miami Dade Architectural Anodized Aluminum Louver
PXSCHD	Miami Dade rated PTAC louver to help secure projects along the coast in TAS 201 high velocity hurricane zones	Miami Dade available in custom colors

FIELD-INSTALLED ACCESSORIES (CONTINUED)

Accessory	Description	
WALL SLEEVE		
PDXWSEZ	Easy snap-together design. Galvanized, zinc-coated steel with a polyester finish. The wall sleeve is insulated for thermal efficiency and noise reduction.	
PDXWSA	Galvanized steel is prepared in a multi-step process for stronger paint adhesion, then powder coated with a polyester finish and cured in an oven for exceptional durability. The wall sleeve is already assembled and insulated for thermal efficiency and noise reduction.	SLEEVE DIMENSIONS: 16" H x 42" W x 13 3/4" D CUT OUT DIMENSIONS: 16 1/4" H x 42 1/4" W FRONT COVER DIMENSIONS: 16" H x 42" W x 7 3/4" D
PDXWSEXT18	Deep Wall Sleeves	For walls up to 17 1/2" deep.
PDXWSEXT20		For walls up to 19 1/2" deep
PDXWSEXT24		For walls up to 23 1/2" deep
PDXWSEXT	Custom depth wall sleeve	One-piece, extended wall sleeve with built-in baffle for walls from 13 1/4" to 25 1/2" deep are available by special order.
MISCALLANEOUS		
PDXRTB	REMOTE THERMOSTAT ESCUTCHEON KIT	Kit contains escutcheons that can be placed over the factory control buttons (recommended when a remote wall mounted thermostat is used as controls become inoperable). The escutcheon directs the user to the wall thermostat for operation and retains the LED window to display error codes and diagnostic information. 10 pack.
PXCJA	CONDUIT KIT /JUNCTION BOX	Hard wire conduit kit with junction box for 208/230V and 265V units (subbase not required). Kit includes a means of quick disconnect for easy removal of the chassis.
PDXDAA	LATERAL DUCT ADAPTER	Attaches to the Friedrich PTAC/PTHP unit to direct up to 35% of the total airflow to a second room. The unit-mounted duct plenum features a front-mounted aluminum grille that has two positions to provide the most optimal air direction. The air may be directed to either the left or the right of the unit through the supplied 3 1/2" H x 7" W x 47" L plenum. Plenum may be cut to length by the installer. Kit includes duct plenum, front grille, 47" duct extension, duct discharge grille, duct end cap and all necessary mounting hardware.
PDXDEA	LATERAL DUCT EXTENSION	Additional 3 1/2" H x 7" W x 47" L plenum used with the LATERAL DUCT ADAPTER. A maximum of three duct extensions may be used together. Note: Ducted airflow is reduced as duct length is increased.
PXDR10	CONDENSATE DRAIN KIT	Attaches to the bottom of the wall sleeve for internal draining of condensate, or to the rear wall sleeve flange for external draining. Recommended for all units to remove excess condensate. 10 pack.

FIELD-INSTALLED ACCESSORIES (CONTINUED)

Accessory	Description	
SUB BASE		
PXSBA	DECORATIVE SUBBASE (black)	Provides unit support for walls less than six inches thick. Includes leveling legs, side filler panels and mounting brackets for electrical accessories. Accepts circuit breaker, power disconnect switch and conduit kit.
PXSB23020	ELECTRICAL SUBBASE Provides unit support for walls less than six inches thick. Includes leveling legs, side filler panels, mounting brackets, a plug-in receptacle and field-wiring access. The subbase also includes electrical knockouts for power disconnect switch or circuit breaker.	Electrical Subbase - 230V 15 & 20A
PXSB23030		Electrical Subbase - 230V 30A
PXSB26515		Electrical Subbase - 265V 15A
PXSB26520		Electrical Subbase - 265V 20A
PXSB26530		Electrical Subbase - 265V 30A
PXDS	SUBBASE DISCONNECT SWITCH PXDS	
FRESHAIRE® IAQ		
APWM1	FreshAire® Purifier	FreshAire® Purifier by iWaves features needlepoint bi-polar ionization to address any mold, bacteria, virus, allergens, and VOC's that may be in your air stream to ensure delivery of healthy, clean, purified air.
PXFTB	Air Filter	Front-end air filter. 10. pack. Each PTAC requires 2 filters.

GENERAL SPECIFICATIONS

			COOLING ONLY 7K BTU	COOLING ONLY 9K BTU			COOLING ONLY 12K BTU		COOLING ONLY 15K BTU
Model			PZE07K3SD	PZE09K3SD	PZE09R3SD	PZE12K3SD	PZE12R3SD	PZE15K5SD	
Power supply		V-Ph-Hz	230/208V /60Hz	230/208V/60Hz	265V/60Hz	230/208V /60Hz	265V/60Hz	230/208V/60Hz	
Power supply type			Single-phase power (1Ph)	Single-phase power (1Ph)	Single-phase power (1Ph)	Single-phase power (1Ph)	Single-phase power (1Ph)	Single-phase power (1Ph)	
Cooling	Capacity	Btu/h	7000/6800	9300/9100	9000	12400/12200	12300	15000/14800	
	Input	W	590/570	800/785	780	1145/1110	1150	1500/1450	
	EER	Btu/h.W	12/12	11.6/11.6	11.5	10.8/11.0	10.7	10.0/10.2	
	Amps	A	2.7/2.8	3.5/3.8	3.1	5.0/5.5	5.1	6.8/7.3	
Electric heating	Capacity (230/208V)	Btu/h	12000/10000	12000/10000	12000	12000/10000	12000	17000/13900	
	Power input (230/208V)	W	3650/2990	3650/2990	3650	3650/2990	3650	5050/4135	
	Rated current (230/208V)	A	15.9/14.3	15.9/14.3	13.8	15.9/14.3	13.8	21.9/19.8	
Sensible Heat Ratio			89%	86%	84.80%	77%	75.70%	70%	
Moisture Removal		pints/hr	0.69	1.39	1.1	2.68	2.81	4.01	
MCA		A	20	20	20	20	20	30	
MOP		A	20	20	20	20	20	30	
Power factor			0.98/0.98	0.98/0.98	0.98	0.95/0.94	0.98	0.93/0.91	
Max. input consumption		W	850	1050	1040	1600	1400	2085	
Max. current		A	3.9	5.3	4.4	8.5	5.9	11	
Compressor	Compressor		KSN54N11UAZB3	KSN71N11VDZ1	KSN71U11VDZ	KSM100N11VEZ	KSM103U11UFZ	KSM135N1UDZ	
	Type		Rotary	Rotary	rotary	Rotary	rotary	Rotary	
	Brand		GMCC	GMCC	GMCC	GMCC	GMCC	GMCC	
	Capacity	Btu/h	5493 ± 5 %	8734± 5 %	8751± 5 %	12351±5%	10370±5%	13886±5%	
	Input	W	575 ± 5 %	630 ± 5 %	645± 5 %	875 ±5%	1125 ±5%	1395 ±5%	
	Rated current(RLA)	A	2.45	2.72	2.45	3.85	4.3	7.1	
	Locked rotor Amp(LRA)	A	14±10%	17.0±10%	16± 10%	28.5±10%	21+ 10 %	32±10%	
	Thermal protector	°F	284±9(Built-in)	275±9(Built-in)	293±9(Built-in)	284±9(Built-in)	293±9(Built-in)	320±9(Built-in)	
	Capacitor	uF	15	20	15	35	25	50	
	Refrigerant oil	ml	POE VG68-190±10 ·ml	POE VG68-190 ml	190± 10	FW68DA 240ml	300± 15	FW68DA 320ml	
Indoor fan motor	Model		YDK-25-4-1	YDK-25-4-1	YDK-25-4-1	YDK-25-4-1	YDK-25-4-1	YDK-25-4-1	
	Brand		Li Feng	Li Feng	Li Feng	Li Feng	Li Feng	Li Feng	
	Insulation class		B	B	B	B	B	B	
	Input	W	60	60	60	70	70	70	
	Output	W	25	25	25	25	25	25	
	Rated current	A	0.34	0.34	0.34	0.35	0.35	0.35	
	Capacitor	uF	2	2	2	2	2	2	
	Speed(hi/mi/lo)	r/min	900/850	1000/850	1000/850	1150/900	1150/900	1150/900	
Indoor air flow (Hi/Lo)		cfm	350/330	390/330	390/330	450/340	450/340	450/340	
Indoor Fan Noise Level(230V)		dBA	49/45	50/45	49/45(265v)	53/47	52/46(265v)	53/47	
Indoor Fan Noise Level(208V)		dBA	49/45	50/45	/	52/47	/	52/47	
Indoor Fan Noise Level((230V)) cooling mode		dBA	52/51	52/50	52/50(265v)	54/52	55/52(265v)	55/52	
Indoor Fan Noise Level(208V)cooling mode		dBA	51/50	52/50	/	53/51	/	53/51	
Indoor sound level (sound pressure level) (Fan mode)		dB(A)±2	49/45	50/45	49/45	53/47	52/46	52/45	

GENERAL SPECIFICATIONS

			COOLING ONLY 7K BTU	COOLING ONLY 9K BTU		COOLING ONLY 12K BTU		COOLING ONLY 15K BTU
Model			PZE07K3SD	PZE09K3SD	PZE09R3SD	PZE12K3SD	PZE12R3SD	PZE15K5SD
Outdoor fan motor	Model		YDK-63-4-AL	YDK-63-4-AL	YDK-45-4P2	YDK-63-4-AL	YDK-45-4P2	YDK-63-4-AL
	Brand		Jiangmen LT	Jiangmen LT	KB	Jiangmen LT	KB	Jiangmen LT
	Insulation class		B	B	A	B	A	B
	Safe class		IPX4	IPX4	IPX4	IPX4	IPX4	IPX4
	Input	W	100	100	90	100	90	100
	Output	W	63	63	45	63	45	63
	Rated current	A	0.44	0.44	0.33	0.44	0.33	0.44
	Capacitor	uF	3	3	2	3	2	3
	Speed	r/min	1600	1600	1600	1600	1680	1600
Outdoor air flow		m3/h	1200	1200	1200	1200	1200	1200
		cfm	706	706	706	706	706	706
Outndoor sound level(sound pressure level)(Heating mode)		dB(A)±2	67	67	66	67	66	66
Unit	Unit Dimension (H*W*D)	in	1066*535*408	16-1/8*42*21-1/8	16-1/8*42*21-1/8	16-1/8*42*21-1/8	16-1/8*42*21-1/8	16-1/8*42*21-1/8
	Package Dimension (H*W*D)	in	1150*630*480	19-3/4* 43-1/2*23"	19-3/4* 43-1/2*23"	19-3/4* 43-1/2*23"	19-3/4* 43-1/2*23"	19-3/4* 43-1/2*23"
	Net/Gross weight	lbs	96.5/107	99.3/112	93/104	107/120	101/112	112.5/125
Refrigerant Type			R-32	R-32	R-32	R-32	R-32	R-32
Refrigerant Charge		oz	17.6	19.4	19	21.5	22.2	26.4
Throttle type			capillary	capillary	capillary	capillary	capillary	capillary
Design pressure		MPa	3.4/1.6	3.4/1.6	3.4/1.6	3.4/1.6	3.4/1.6	3.4/1.6
Controller			Control panel; (Optional:24V thermostat)	Control panel; (Optional:24V thermostat)	Control panel; (Optional:24V thermostat)	Control panel; (Optional:24V thermostat)	Control panel; (Optional:24V thermostat)	Control panel; (Optional:24V thermostat)
Operation temp		°F	60-90	60-90	60-90	60-90	60-90	60-90
Ambient temp		°F	Cooling:53-115 Heating:35-75	Cooling:53-115 Heating:35-75	Cooling:53-115 Heating:35-75	Cooling:53-115 Heating:35-75	Cooling:53-115 Heating:35-75	Cooling:53-115 Heating:35-75

GENERAL SPECIFICATIONS

			HEAT PUMP 7K		HEAT PUMP 9K	
Model			PZH07K2SD	PZH07K3SD	PZH09K3SD	PZH09R3SD
Power supply		V-Ph-Hz	230/208V /60Hz	230/208V /60Hz	230/208V/60Hz	265V/60Hz
Power supply type			Single-phase power (1Ph)	Single-phase power (1Ph)	Single-phase power (1Ph)	Single-phase power (1Ph)
Cooling	Capacity	Btu/h	7000/6800	7000/6800	9200/9000	9000
	Input	W	590/570	590/570	800/775	780
	EER	Btu/h.W	11.9/11.9	11.9/11.9	11.5/11.6	11.5
	Amps	A	2.7/2.8	2.7/2.8	3.5/3.8	3.1
Heating	Capacity	Btu/h	6200/6000	6200/6000	8000/7800	8200
	Input	W	520/500	520/500	680/660	685
	COP	W/W	3.5/3.5	3.5/3.5	3.4/3.5	3.5
	Amps	A	2.3/2.4	2.3/2.4	3.0/3.2	3.1
Electric heating	Capacity (230/208V)	Btu/h	8500/6900	12000/10000	12000/10000	12000
	Power input (230/208V)	W	2550/2090	3650/2990	3650/2990	3650
	Rated current (230/208V)	A	11.1/10	15.9/14.3	15.9/14.3	13.8
Sensible Heat Ratio			89%	89%	86%	86%
Moisture Removal		pints/hr	0.69	0.69	1.39	1.1
MCA		A	15	20	20	20
MOP		A	15	20	20	20
Power factor			0.98/0.98	0.98/0.98	0.98/0.98	0.98
Max. input consumption		W	850	850	1050	1040
Max. current		A	3.9	3.9	5.3	4.4
Compressor	Compressor		KSN54N11UAZB3	KSN54N11UAZB3	KSN71N11VDZ1	KSN71U11VDZ
	Type		Rotary	Rotary	Rotary	rotary
	Brand		GMCC	GMCC	GMCC	GMCC
	Capacity	Btu/h	5493 ± 5 %	5493 ± 5 %	8734± 5 %	8751± 5 %
	Input	W	575 ± 5 %	575 ± 5 %	630 ± 5 %	645± 5 %
	Rated current(RLA)	A	2.45	2.45	2.72	2.45
	Locked rotor Amp(LRA)	A	14±10%	14±10%	17.0±10%	16± 10%
	Thermal protector	°F	284±9(Built-in)	284±9(Built-in)	275±9(Built-in)	293±9(Built-in)
	Capacitor	uF	15	15	20	15
	Refrigerant oil	ml	POE VG68-190±10 ·ml	POE VG68-190±10 ·ml	POE VG68-190 ml	190± 10
Indoor fan motor	Model		YDK-25-4-1	YDK-25-4-1	YDK-25-4-1	YDK-25-4-1
	Brand		Li Feng	Li Feng	Li Feng	Li Feng
	Insulation class		B	B	B	B
	Input	W	60	60	60	60
	Output	W	25	25	25	25
	Rated current	A	0.34	0.34	0.34	0.34
	Capacitor	uF	2	2	2	2
	Speed(hi/mi/lo)	r/min	900/850	900/850	1000/850	1000/850
Indoor air flow (Hi/Lo)		cfm	350/330	350/330	390/330	390/330
Indoor Fan Noise Level(230V)		dBA	49/45	49/45	50/45	49/45(265v)
Indoor Fan Noise Level(208V)		dBA	49/45	49/45	50/45	/
Indoor Fan Noise Level((230V))cooling mode		dBA	52/51	52/51	52/50	51/49(265v)
Indoor Fan Noise Level(208V)cooling mode		dBA	51/50	51/50	52/50	/
Indoor Fan Noise Level(230V)heating mode		dBA	52/51	52/51	52/50	51/50(265v)

GENERAL SPECIFICATIONS

			HEAT PUMP 7K		HEAT PUMP 9K	
Model			PZH07K2SD	PZH07K3SD	PZH09K3SD	PZH09R3SD
Indoor Fan Noise Level(208V)heating mode		dBA	51/50	51/50	52/50	/
Indoor sound level (sound pressure level) (Fan mode)		dB(A)±2	49/45	49/45	50/45	49/45
Outdoor fan motor	Model		YDK-63-4-AL	YDK-63-4-AL	YDK-63-4-AL	YDK-45-4P2
	Brand		Jiangmen LT	Jiangmen LT	Jiangmen LT	KB
	Insulation class		B	B	B	A
	Safe class		IPX4	IPX4	IPX4	IPX4
	Input	W	100	100	100	90
	Output	W	63	63	63	45
	Rated current	A	0.44	0.44	0.44	0.33
	Capacitor	uF	3	3	3	2
	Speed	r/min	1600	1600	1600	1600
Outdoor air flow		m3/h	1200	1200	1200	1200
		cfm	706	706	706	706
Outndoor sound level(sound pressure level) (Heating mode)		dB(A)±2	67	67	67	66
Unit	Unit Dimension (H*W*D)	in	16-1/8*42*21-1/8	16-1/8*42*21-1/8	16-1/8*42*21-1/8	16-1/8*42*21-1/8
	Package Dimension (H*W*D)	in	19-3/4* 43-1/2*23"	19-3/4* 43-1/2*23"	19-3/4* 43-1/2*23"	19-3/4* 43-1/2*23"
	Net/Gross weight	lbs	97.6/110	97.6/110	100.7/113	94/105
Refrigerant Type			R-32	R-32	R-32	R-32
Refrigerant Charge		oz	17.6	17.6	19.4	19
Throttle type			capillary	capillary	capillary	capillary
Design pressure		MPa	3.4/1.6	3.4/1.6	3.4/1.6	3.4/1.6
Controller			Control panel; (Optional:24V thermostat)	Control panel; (Optional:24V thermostat)	Control panel; (Optional:24V thermostat)	Control panel; (Optional:24V thermostat)
Operation temp		°F	60-90	60-90	60-90	60-90
Ambient temp		°F	Cooling:53-115 Heating:35-75	Cooling:53-115 Heating:35-75	Cooling:53-115 Heating:35-75	Cooling:53-115 Heating:35-75

GENERAL SPECIFICATIONS

			HEAT PUMP 12K			HEAT PUMP 15K	
Model			PZH12K3SD	PZH12K5SD	PZH12R3SD	PZH15K5SD	PZH15K3SD
Power supply		V-Ph-Hz	230/208V /60Hz	230/208V /60Hz	265V/60Hz	230/208V /60Hz	230/208V /60Hz
Power supply type			Single-phase power (1Ph)	Single-phase power (1Ph)	Single-phase power (1Ph)	Single-phase power (1Ph)	Single-phase power (1Ph)
Cooling	Capacity	Btu/h	12400/12200	12400/12200	12300	15000/14800	15000/14800
	Input	W	1145/1120	1145/1120	1150	1500/1450	1500/1450
	EER	Btu/h.W	10.8/10.9	10.8/10.9	10.7	10.0/10.2	10.0/10.2
	Amps	A	5.0/5.5	5.0/5.5	5.1	6.8/7.3	6.8/7.3
Heating	Capacity	Btu/h	10400/10200	10400/10200	10800	13600/13200	13600/13200
	Input	W	895/880	895/880	1005	1245/1210	1245/1210
	COP	W/W	3.4/3.4	3.4/3.4	3.2	3.2/3.2	3.2/3.2
	Amps	A	4.0/4.4	4.0/4.4	4.5	5.8/6.3	5.8/6.3
Electric heating	Capacity (230/208V)	Btu/h	12000/10000	17000/13900	12000	17000/13900	12000/10000
	Power input (230/208V)	W	3650/2990	5050/4135	3650	5050/4135	3650/2990
	Rated current (230/208V)	A	15.9/14.3	21.9/19.8	13.8	21.9/19.8	15.9/14.3
Sensible Heat Ratio			77%	77%	75.30%	70%	70%
Moisture Removal		pints/hr	2.68	2.68	2.81	4.01	4.01
MCA		A	20	30	20	30	20
MOP		A	20	30	20	30	20
Power factor			0.95/0.94	0.95/0.94	0.98	0.93/0.91	0.93/0.91
Max. input consumption		W	1600	1600	1400	2085	2085
Max. current		A	8.5	8.5	5.9	11	11
Compressor	Compressor		KSM100N11VEZ	KSM100N11VEZ	KSM103U11UFZ	KSM135N1UDZ	KSM135N1UDZ
	Type		Rotary	Rotary	rotary	Rotary	Rotary
	Brand		GMCC	GMCC	GMCC	GMCC	GMCC
	Capacity	Btu/h	12351±5%	12351±5%	10370±5%	13886±5%	13886±5%
	Input	W	875 ±5%	875 ±5%	1125 ±5%	1395 ±5%	1395 ±5%
	Rated current(RLA)	A	3.85	3.85	4.3	7.1	7.1
	Locked rotor Amp(LRA)	A	28.5±10%	28.5±10%	21+ 10 %	32±10%	32±10%
	Thermal protector	F	284±9(Built-in)	284±9(Built-in)	293±9(Built-in)	320±9(Built-in)	320±9(Built-in)
	Capacitor	uF	35	35	25	50	50
	Refrigerant oil	ml	FW68DA 240ml	FW68DA 240ml	300± 15	FW68DA 320ml	FW68DA 320ml
Indoor fan motor	Model		YDK-25-4-1	YDK-25-4-1	YDK-25-4-1	YDK-25-4-1	YDK-25-4-1
	Brand		Li Feng	Li Feng	Li Feng	Li Feng	Li Feng
	Insulation class		B	B	B	B	B
	Input	W	70	70	70	70	70
	Output	W	25	25	25	25	25
	Rated current	A	0.35	0.35	0.35	0.35	0.35
	Capacitor	uF	2	2	2	2	2
	Speed(hi/mi/lo)	r/min	1150/900	1150/900	1150/900	1150/900	1150/900
Indoor air flow (Hi/Lo)		cfm	450/340	450/340	450/340	450/340	450/340
Indoor Fan Noise Level(230V)		dBA	53/47	53/47	52/46(265v)	53/47	53/47
Indoor Fan Noise Level(208V)		dBA	52/47	52/47	/	52/47	52/47
Indoor Fan Noise Level((230V))cooling mode		dBA	54/52	54/52	55/52(265v)	55/52	55/52
Indoor Fan Noise Level(208V)cooling mode		dBA	53/51	53/51	/	53/51	53/51
Indoor Fan Noise Level(230V)heating mode		dBA	55/52	55/52	54/51(265v)	55/51	55/51

GENERAL SPECIFICATIONS

			HEAT PUMP 12K			HEAT PUMP 15K	
Model			PZH12K3SD	PZH12K5SD	PZH12R3SD	PZH15K5SD	PZH15K3SD
Indoor Fan Noise Level(208V)heating mode		dBA	53/51	53/51	/	54/51	54/51
Indoor sound level (sound pressure level) (Fan mode)		dB(A)±2	53/47	53/47	52/46	52/46	52/46
Outdoor fan motor	Model		YDK-63-4-AL	YDK-63-4-AL	YDK-45-4P2	YDK-63-4-AL	YDK-63-4-AL
	Brand		Jiangmen LT	Jiangmen LT	KB	Jiangmen LT	Jiangmen LT
	Insulation class		B	B	A	B	B
	Safe class		IPX4	IPX4	IPX4	IPX4	IPX4
	Input	W	100	100	90	100	100
	Output	W	63	63	45	63	63
	Rated current	A	0.44	0.44	0.33	0.44	0.44
	Capacitor	uF	3	3	2	3	3
	Speed	r/min	1600	1600	1600	1600	1600
Outdoor air flow		m3/h	1200	1200	1200	1200	1200
		cfm	706	706	706	706	706
Outdoor sound level(sound pressure level) (Heating mode)		dB(A)±2	67	67	66	66	66
Unit	Unit Dimension(H*W*D)	in	16-1/8*42*21-1/8	16-1/8*42*21-1/8	16-1/8*42*21-1/8	16-1/8*42*21-1/8	16-1/8*42*21-1/8
	Package Dimension(H*W*D)	in	19-3/4* 43-1/2*23"	19-3/4* 43-1/2*23"	19-3/4* 43-1/2*23"	19-3/4* 43-1/2*23"	19-3/4* 43-1/2*23"
	Net/Gross weight	lbs	108/121	108/121	102/113	114/126.6	114/126.6
Refrigerant Type			R-32	R-32	R-32	R-32	R-32
Refrigerant Charge		oz	21.5	21.5	22.2	26.4	26.4
Throttle type			capillary	capillary	capillary	capillary	capillary
Design pressure		MPa	3.4/1.6	3.4/1.6	3.4/1.6	3.4/1.6	3.4/1.6
Controller			Control panel; (Optional:24V thermostat)	Control panel; (Optional:24V thermostat)	Control panel; (Optional:24V thermostat)	Control panel; (Optional:24V thermostat)	Control panel; (Optional:24V thermostat)
Operation temp		°F	60-90	60-90	60-90	60-90	60-90
Ambient temp		°F	Cooling:53-115 Heating:35-75	Cooling:53-115 Heating:35-75	Cooling:53-115 Heating:35-75	Cooling:53-115 Heating:35-75	Cooling:53-115 Heating:35-75

Receptacles and Fuses

Voltage	230V			265V
Amps	15	20	30	20
Heater Size	2.5 kW	3.5 kW	5.0 kW	3.5 kW
Receptacles				
NEMA# Receptacle	6-15R	6-20R	6-30R	7-20R
NEMA# Plug	6-15P	6-20P	6-30P	7-20P

EXTENDED COOLING PERFORMANCE DATA

		OUTDOOR DRY BULB TEMP. (DEGREES F AT 40% R.H.)																	
		75F			85F			95F			105F			110F			115F		
		INDOOR WET BULB TEMP. (DEGREES F AT 80° F D.B.)																	
		72F	67F	62F	72F	67F	62F	72F	67F	62F	72F	67F	62F	72F	67F	62F	72F	67F	62F
PZX07K	Btu	8791	8015	6944	8241	7647	6687	7849	7353	6430	7064	6691	6089	6216	5821	5123	5239	5082	4726
	Watts	484	489	498	514	521	546	582	584	584	599	608	623	675	689	702	740	747	772
	Amps	2.15	2.17	2.21	2.28	2.31	2.42	2.58	2.59	2.59	2.66	2.70	2.76	2.99	3.06	3.11	3.28	3.31	3.43
	SHR	0.63	0.78	0.92	0.7	0.81	0.94	0.78	0.88	0.97	0.84	0.91	0.97	0.9	0.95	0.98	0.91	0.96	0.98
PZX09K	Btu	11336	10335	8955	10627	9861	8623	10121	9482	8291	9109	8629	7852	8016	7507	6606	6756	6554	6095
	Watts	652	663.2	677.9	692.4	706.6	743.3	784	792	795	806.9	824.5	848.1	909.3	934.4	955.6	996.8	1013	1051
	Amps	2.89	2.94	3.01	3.07	3.13	3.30	3.48	3.51	3.53	3.58	3.66	3.76	4.03	4.15	4.24	4.42	4.49	4.66
	SHR	0.56	0.7	0.79	0.62	0.727	0.80	0.69	0.79	0.83	0.74	0.85	0.86	0.80	0.88	0.87	0.81	0.9	0.92
PZX12K	Btu	15134	13798	11955	14188	13165	11512	13513	12659	11070	12161	11520	10483	10702	10022	8819	9020	8749	8137
	Watts	925.6	937.8	961.9	983	999.2	1055	1113	1120	1128	1146	1166	1203	1291	1321	1356	1415	1433	1491
	Amps	4.11	4.16	4.27	4.36	4.43	4.68	4.94	4.97	5.00	5.08	5.17	5.34	5.73	5.86	6.02	6.28	6.36	6.62
	SHR	0.51	0.56	0.62	0.54	0.69	0.84	0.57	0.73	0.88	0.65	0.79	0.91	0.72	0.82	0.93	0.75	0.85	0.93
PZX15K	Btu	18919	17249	14945	17737	16458	14392	16892	15825	13838	15203	14401	13105	13379	12529	11025	11276	10938	10172
	Watts	1192	1218	1253	1266	1298	1373	1433	1455	1469	1475	1515	1567	1662	1717	1766	1822	1861	1942
	Amps	5.29	5.41	5.56	5.61	5.76	6.09	6.36	6.46	6.52	6.54	6.72	6.95	7.37	7.62	7.83	8.08	8.26	8.62
	SHR	0.48	0.53	0.59	0.5	0.58	0.66	0.52	0.65	0.77	0.58	0.71	0.82	0.63	0.75	0.87	0.69	0.82	0.89
PZX09R	Btu	11515	10499	9096	10796	10017	8760	10282	9632	8423	9253	8765	7976	8143	7626	6711	6863	6657	6191
	Watts	633.7	640.6	654.9	673	682.5	718	762	765	768	784.3	796.4	819.3	883.8	902.5	923.2	968.9	978.5	1015
	Amps	2.81	2.84	2.91	2.99	3.03	3.19	3.38	3.39	3.41	3.48	3.53	3.63	3.92	4.00	4.10	4.30	4.34	4.50
	SHR	0.57	0.72	0.79	0.62	0.73	0.81	0.72	0.82	0.89	0.77	0.86	0.88	0.8	0.88	0.9	0.82	0.9	0.93
PZX12R	Btu	16317	14876	12889	15297	14194	12412	14568	13648	11934	13112	12420	11302	11538	10805	9509	9725	9433	8773
	Watts	979.6	993.9	1017	1040	1059	1115	1178	1187	1193	1212	1236	1273	1366	1400	1434	1498	1518	1577
	Amps	4.35	4.41	4.51	4.62	4.70	4.95	5.23	5.27	5.29	5.38	5.48	5.65	6.06	6.21	6.36	6.65	6.74	7.00
	SHR	0.51	0.57	0.62	0.53	0.68	0.84	0.63	0.74	0.87	0.66	0.78	0.89	0.72	0.81	0.92	0.75	0.84	0.92

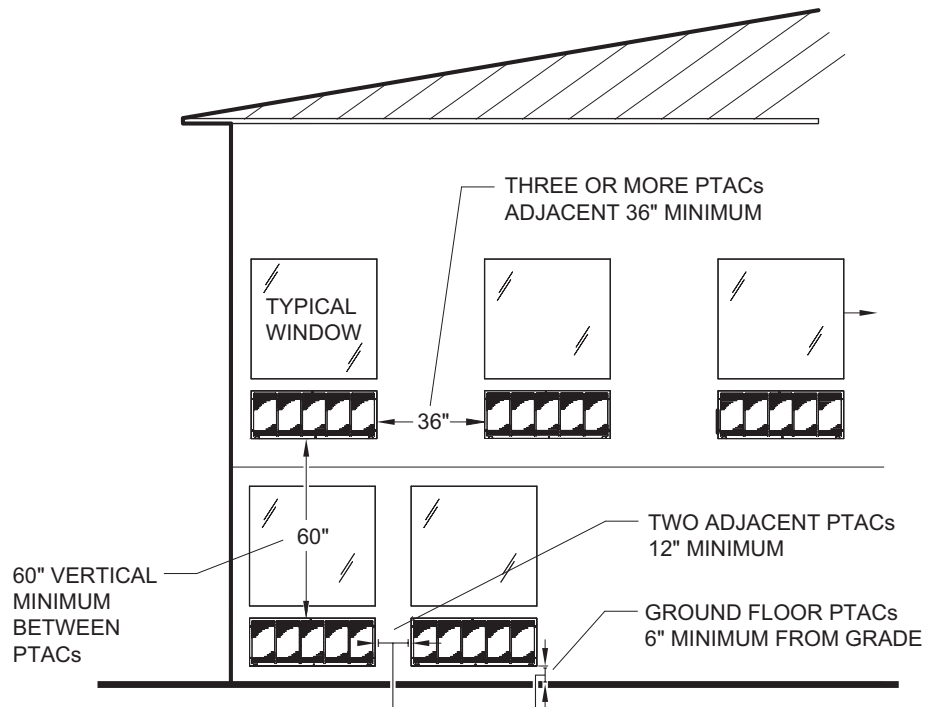
RATING POINT ARI 310/380

EXTENDED HEATING PERFORMANCE DATA

		OUTDOOR DRY BULB TEMP. (DEGREES F)				
		37F	42F	47F	52F	57F
PZH07K	Btu	5323	5673	6367	6884	7326
	Watts	470	489	502	531	548
	Amps	2.09	2.17	2.23	2.36	2.43
PZH09K	Btu	6327	6984	8537	9164	9987
	Watts	639	656	698	721	746
	Amps	2.83	2.91	3.10	3.20	3.31
PZH12K	Btu	8130	9067	10639	11232	11894
	Watts	795	828	865	884	917
	Amps	3.53	3.67	3.84	3.92	4.07
PZH15K	Btu	11803	12993	14023	14749	15642
	Watts	1108	1163	1208	1248	1310
	Amps	4.92	5.16	5.36	5.54	5.81
PZH09R	Btu	6287	6931	8465	9104	9837
	Watts	937	652	695	718	742
	Amps	4.16	2.89	3.08	3.19	3.29
PZH12R	Btu	8263	9217	10895	11429	12185
	Watts	914	953	995	1036	1084
	Amps	4.06	4.23	4.41	4.60	4.81
				RATING POINT ARI 310/380		

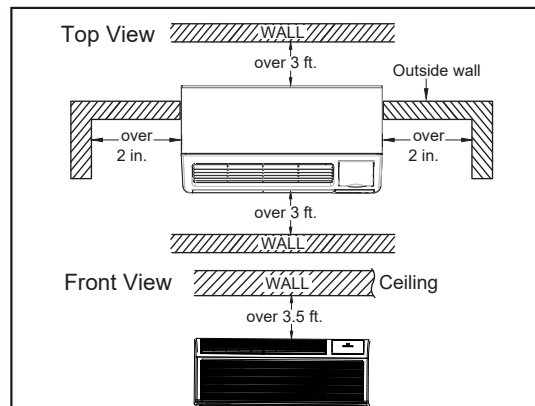
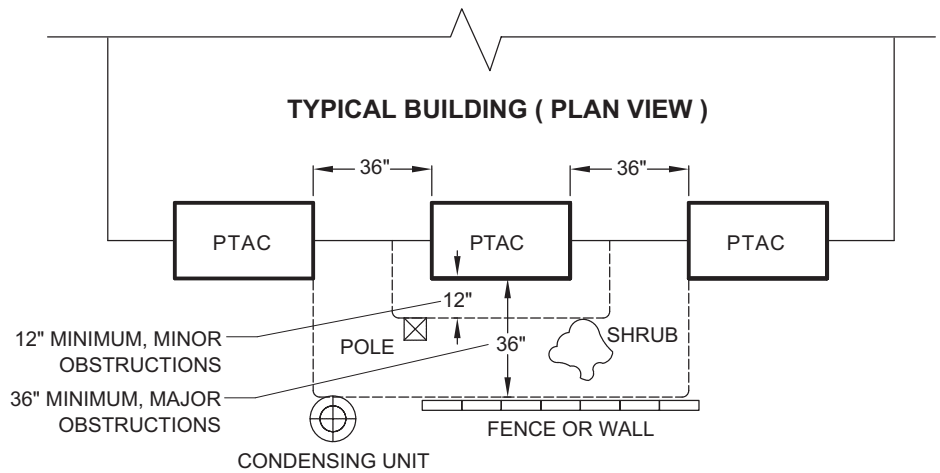
CLEARANCES

PTAC units should be installed no closer than 12" apart when two units are side by side. If three or more PTAC units are to operate next to one another allow a minimum of 36" between units. Also, a vertical clearance of 60" should be maintained between units installed. In the interior of the room the unit should be located a minimum of 1/4"

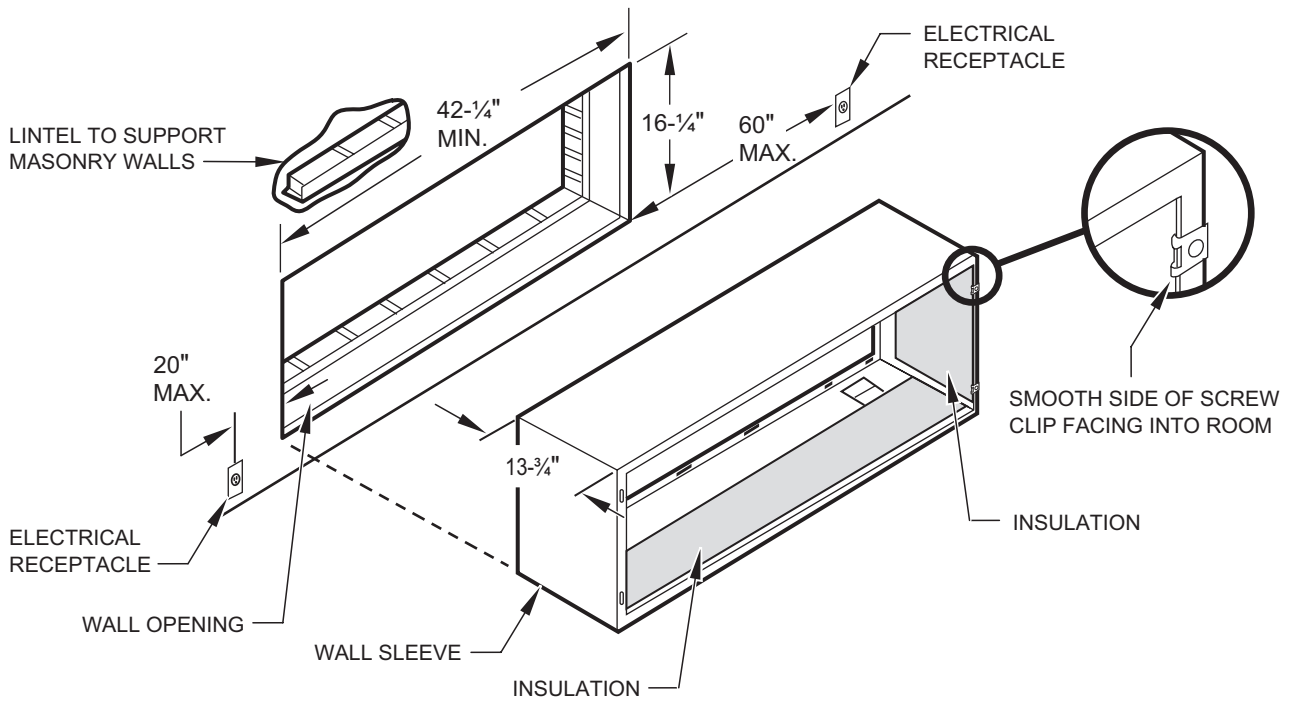


For minor obstructions such as lamp poles or small shrubbery a clearance of 12" from the outdoor louver should be maintained.

For major obstructions such as a solid fence, wall or other heat rejecting device like a condensing unit, a minimum distance of 36" should be kept.

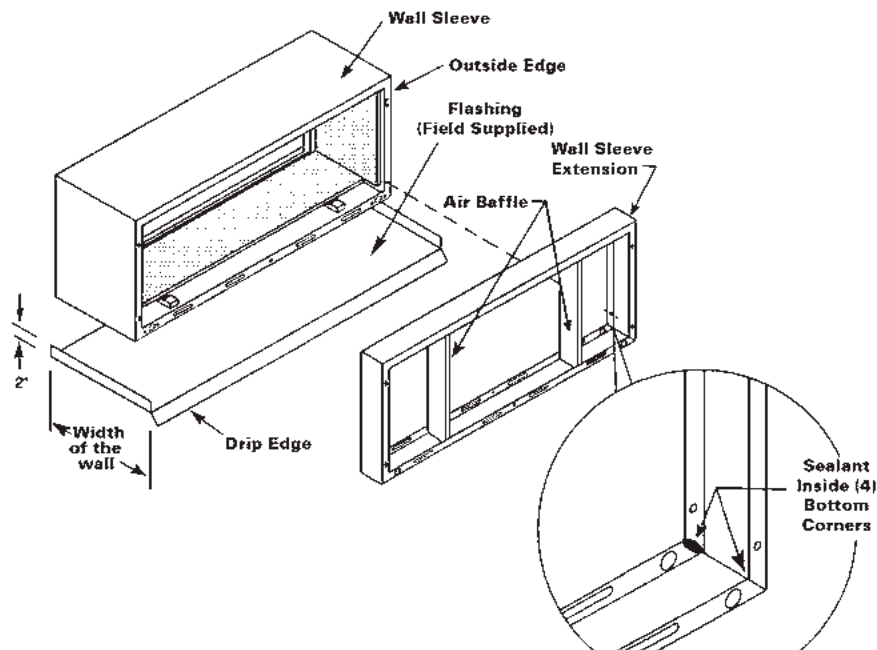


TYPICAL WALL SLEEVE INSTALLATION



NOTE: All 230/208V units are manufactured with a 67" power cord and all 265V units with a 27 1/2" power cord.

DEEP WALL SLEEVE INSTALLATION

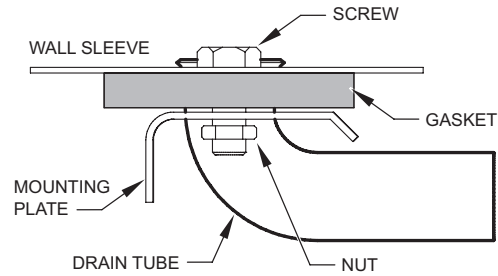
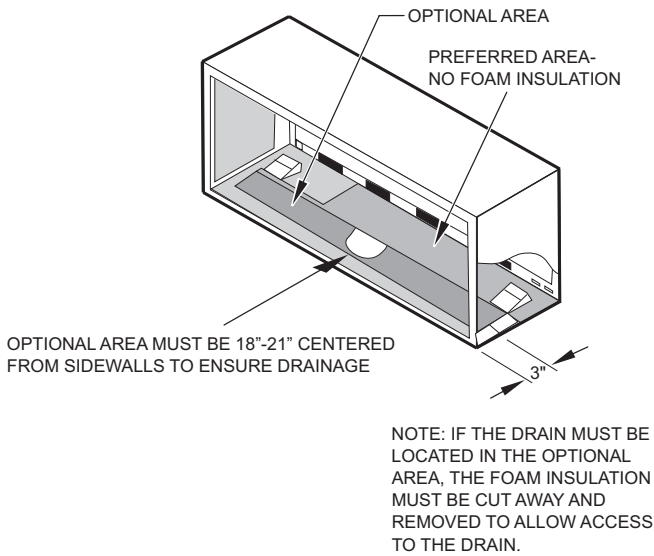


Seal condensate drip pan to wall sleeve with sealant on all (4) bottom corners.

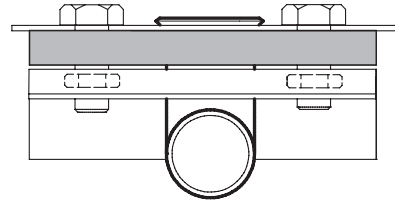
IMPORTANT NOTE:

The silicone bead **MUST** extend up the side of the two flanges to prevent condensate from leaking.

INTERNAL DRAIN KIT LOCATION AND INSTALLATION (PXDR10)



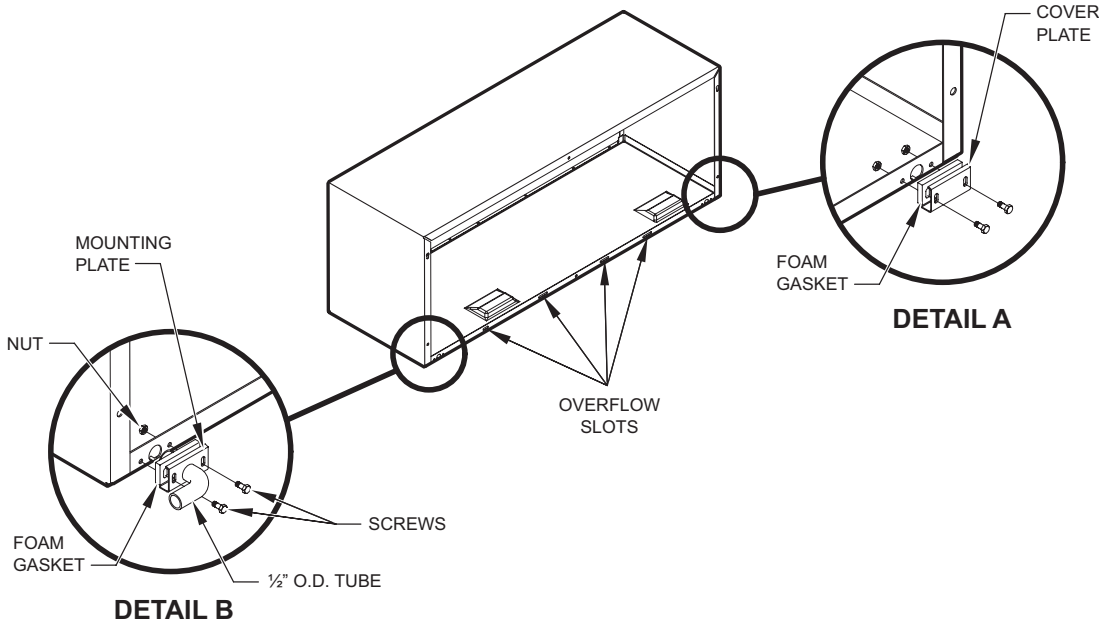
SIDE VIEW



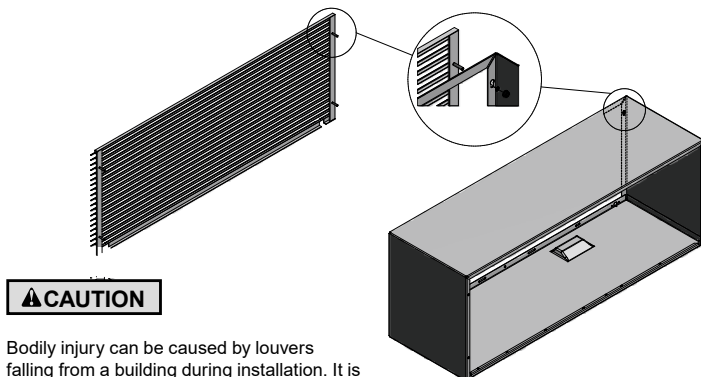
FRONT VIEW



EXTERNAL DRAIN



ARCHITECTURAL LOUVER INSTALLATION



Bodily injury can be caused by louvers falling from a building during installation. It is recommended that a safety line be attached to the louver and an anchor point inside the building during installation.

INSTALLATION

1. Screw a threaded metal stud into each of the holes at the four corners of the louver.
2. From inside the building, grasp the louver at the vertical supports and maneuver the louver through the wall sleeve. Pull towards you until the threaded studs are inserted into the four holes of the wall sleeve.
3. While holding the louver with one hand, start washers and nuts on each of the four studs. Tighten the nuts securely.

HVAC Engineering Specifications

Digital Packaged Terminal Air Conditioners & Heat Pumps

Cooling: 6800 – 15000 Btu
Heating: 6200 – 13600 Btu (Heat Pump)
6200 – 17000 Btu (Electric Heat)
Friedrich Models: PZE – Cooling with electric heat
PZH – Heat Pump with electric heat

All units shall be factory assembled, piped, wired and fully charged with R-32. All units shall be certified in accordance with AHRI Standard 310 for air conditioners and AHRI standard 380 for heat pumps. Units shall be UL listed and carry a UL label. All units shall be factory run-tested to check operation and be Friedrich or equivalent.

The basic unit shall not exceed 16" high x 42" wide. Overall depth of the unit from the rear of the Friedrich wall sleeve to the front of the decorative front cover shall not exceed 21 1/4". The unit shall be designed so that room intrusion may be as little as 7 1/4". Installations in walls deeper than 13 1/4" may be accomplished with the use of a deep wall sleeve (PDXWSEXT). Unit shall draw in ambient air through both sides of an outdoor architectural louver or grille measuring 42" wide x 16" high and shall exhaust air out middle portion of the louver. The architectural louver and wall sleeve shall be designed so that the louver may be installed from the inside of the building.

REFRIGERATION SYSTEM – The refrigeration system shall be hermetically sealed and consist of a rotary compressor that is externally mounted on vibration isolators no smaller than 1 3/8" dia. x 1 1/2" high; condenser and evaporator coils constructed of copper tubes and aluminum plate fins; and capillaries as expansion devices. Unit shall have a fan slinger ring to increase efficiency and condensate disposal and have a drain pan capable of retaining 1 1/2 gallons of condensate. A tertiary condensate removal system shall also be incorporated for back up and shall overflow through the wall sleeve and to the outside of the building as a safeguard against damage to the interior room.

INDOOR AIR HANDLING SECTION – The indoor air handling section shall consist of a tangential blower wheel direct driven by a totally enclosed motor. The air handling system shall be designed to minimize airflow noise and provide smooth and consistent airflow. The indoor fan must have three fan speeds that may be selected by the user. The indoor discharge grille shall be designed to maximize airflow throughout the room. The grille shall be reversible to allow a change in the airflow directions. The grille openings shall be sized to prevent personal injury or damage to the unit.

The front cover shall incorporate dual air filters conveniently mounted in the front of the unit. The filters must be accessible without the removal of the front cover. The filters shall be washable and reusable by cleaning with water or by vacuuming.

The chassis shall have a built-in damper capable of providing at least 75 CFM of fresh air into the conditioned area. A fine mesh screen shall filter the incoming fresh air. There must be a provision for locking the damper closed to ensure a proper seal.

OUTDOOR AIR HANDLING SECTION – The outdoor air section shall consist of a single injection molded fan shroud that incorporates the outdoor motor mount into a single piece for ease of service and assembly. The outdoor motor shall be totally enclosed, ball-bearing, permanently lubricated and directly drive the outdoor fan/slinger ring. **CONTROLS** – Covered controls shall be accessible in a compartment at least 7 1/2" wide with the controls no deeper than 1 1/4" in the opening to facilitate easy operation of the unit.

The unit controls shall feature a soft blue LED readout that can display either room temperature or setpoint temperature. The unit shall receive input from the digital control panel through push buttons labeled: 'Fan', 'Cool', 'Heat', 'Low Fan', 'Med Fan', 'High Fan', ' and 'Power'. When 'Off', the unit may be put directly into cooling or heating mode by pressing the 'Cool' or 'Heat' button.

The unit must have the following energy saving and convenience features built-in:

- Quiet start/stop fan delay
- Fan cycle control for cooling and heating independently
- Room freeze protection
- Random compressor restart
- Electronic temperature limiting

The **PTAC** must also offer the ability to be controlled by a remote wall-mounted thermostat without additional accessories. Low voltage inputs will include: C (common), R (24V power), Y (cooling), GL (fan low), GH (fan high), W (heat) and O (reversing valve on PZH heat pumps only).

PTAC models shall use a single stage cool/single stage heat thermostat. PTHP models shall use a single stage cool/two-stage heat thermostat. An accessory thermostat must be available from the manufacturer, RT7/RT7P or equivalent. The RT7/RT7P thermostat will provide temperature setpoint, mode selection from cool, heat and fan modes. The thermostat must also allow the selection of fan speed between high and low speed.

Other controls accessible without removal of the chassis shall include fan cycle switch, fresh air vent control and emergency heat override switch (heat pump only).

ELECTRICAL CONNECTION – All PTAC/PTHP units shall come from the factory with a power cord installed. All 230/208V power cords shall feature a leakage current detection device on the plug head.

GENERAL CONSTRUCTION – The wall sleeve shall be constructed of 18-gauge Galvanized zinc-coated steel. It shall be prepared by a process where it is zinc phosphate pretreated and sealed with a chromate rinse, then powder coated with a polyester finish and oven cured for durability. The sleeve shall be shipped with a protective weatherboard and a structural center support, and be insulated for sound absorption and thermal efficiency. The grille or louver shall be shipped separately and made from stamped or extruded anodized aluminum. All louvers shall be in the horizontal plane. The front panel shall attach firmly to the chassis by two hidden spring clips. As an option the cover may be attached by two screws to prevent tampering. The front panel will feature a contoured discharge with no sharp corners.

CORROSION PROTECTION – The unit shall have corrosion-resistant fans, fan shroud and drain pan for corrosion protection and to prevent rust on the side of the building below the outdoor louver. The unit shall feature corrosion resistant materials and finishes to help prevent deterioration. All outdoor coils shall have aluminum endplates to eliminate rusting of the endplates.

WARRANTY – The warranty is two years on all parts and labor and five years on the sealed system, parts and labor, including compressor, indoor and outdoor coils and refrigerant tubing.



Sustainability

At Rheem, sustainability isn't just a feature we add to our products — it's a foundation of who we are as a company. As an industry leader, we continue to innovate and reimagine air and water solutions that drive our customers' success and protect the environment we all share. Because doing good isn't enough — we're committed to A Greater Degree of Good™

Warranty Information

Current warranty information can be obtained by referring to https://www.friedrich.com/professional/support/product-resources?ac_type=&type=Warranty

ZoneAire® PTAC Models

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