TRANE

MITSUBISHI ELECTRIC

P-SERIES CATALOG

RESIDENTIAL & LIGHT COMMERCIAL APPLICATIONS

TAKE A CLOSER LOOK AT THE **P-SERIES** LIGHT COMMERCIAL SYSTEMS

INVEST IN THE ULTIMATE LIGHT COMMERCIAL HVAC TECHNOLOGY

We are a leader in the United States in providing the most energy-efficient, environmentally friendly HVAC products.

Our advanced technologies include INVERTER-driven compressor systems which use only the exact amount of energy needed to cool or heat an area. This feature provides users with energy and costs savings while experiencing precise control over their personal comfort year-round.

ZONE CONTROL PLUS PERSONAL CONTROL

Split ductless, low-profile ducted and multi-position ducted systems use refrigerant lines to connect outdoor units to indoor air handlers. The result: the capacity within any space with an indoor unit installed can be controlled to provide the perfect temperature. Along with this capability to provide precise temperature control for any space, Our systems also offer the unique ability to condition only those spaces in use at any given time.

Our systems employ user-friendly wireless hand-held, wireless wall-mounted, or wired wall-mounted controllers. These options deliver precision control to efficiently provide personalized comfort. Zone control coupled with personal control equals all-around energy savings.

STATE-OF-THE-ART DESIGN AND SMARTER FUNCTIONALITY

When you choose our P-Series products for light commercial and large-scale residential applications, you're making an excellent choice that your users will appreciate for its intelligent function and the personalized comfort control it delivers.

EXPLORE **Performance**

We deliver a complete range of compact and powerful cooling and heating products that are intelligent, energy-efficient and whisper quiet.

EXPLORE **Training**

Comprehensive product and application instruction is provided through regional training centers across the U.S.

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Commercial-grade HVAC Applications?

Rely on our rugged, efficient P-Series systems to deliver maximum comfort control plus energy savings for any light commercial application.

P-Series systems are backed with reliable technical and application support. Our innovative technologies, advanced designs, and super-efficient systems are the right solution for your light commercial, institutional, and large residential installations.

P-Series air conditioners and heat pumps are the perfect choice for an array of demanding light commercial or large residential applications:

- Small or large Offices
- Conference rooms
- Server/equipment rooms
- Large open residential floor plans
- Retail shops
- Restaurant kitchens
- Fitness centers
- Daycares
- Classrooms
- Critical service, high reliability locations
- Areas where low ambient cooling to -20° F is needed (when wind baffles are installed)


PCA
Ceiling-suspended Indoor Unit
PKA
Wall-mounted Indoor Unit
PLA
Ceiling-cassette Indoor Unit
PEAD
Horizontal-ducted Indoor Unit
PUY/Z
Cooling only / Heat Pump
Outdoor Units
PLA
Ceiling-cassette Indoor Unit

DISCOVER HOW STATE-OF-THE-ART TECHNOLOGY DRIVES DEPENDABLE HIGH PERFORMANCE IN THE P-SERIES

Meet your customers' needs with cooling-only (PUY) or heat pump (PUZ) models. Each is compatible with a wide range of P-Series indoor units. Users benefit from a wide range of installation possibilities.

Every rugged outdoor unit is completely assembled, piped, wired, and test-run at the factory prior to shipment resulting in industry leading reliability. The heavy-duty, commercial-grade cabinet is constructed of galvanized steel plate, finished with electrostatically applied, thermally fused acrylic or polyester powder coating for superb corrosion protection. The front fan grille is tough, high-impact ABS plastic designed for years of reliability.

Highly efficient INVERTER-driven compressors for models PUY/Z-A12/18/24/30/36 are DC twin-rotor type. The compressor for model PUY/Z (A42) is a Frame Compliant Scroll compressor. All compressors offer high performance due to advanced variable-speed INVERTER-drive technology, which varies the compressor speed dynamically to continuously adapt to the conditioning requirements of the room. Excellent efficiency and significant energy savings are the result.

Quality construction in every P-Series unit sets the standard for all HVAC brands in North America

Feature	Benefit
INVERTER Technology	Maximum energy-efficiency, precise temperature control, personalized comfort in every space
Indoor unit powered by outdoor unit	Separate power supply not required
Rugged housing, tough cabinet finish, strong welds at numerous stress points	Durability leading to years of reliable service
Durable, aerodynamic fan design	Super-quiet operation at all speeds
Low ambient cooling down to -20˚ F*	High performance within all U.S. climates
L-shape condenser coil features copper tubing and aluminum fins	Provides greater coil surface area for more efficient operation
Cabinet mounting and construction are designed to withstand 155 MPH winds	Peace of mind for customers in high wind/ hurricane-prone areas
Easy interior access to every P-Series indoor and outdoor unit	More efficient and less costly routine maintenance and servicing

* With wind baffles installed

Electronic linear expansion valves are employed to meter precisely and adapt the refrigerant flow continuously, ensuring exact capacity delivery. P-Series outdoor units also utilize advanced Pulse Amplitude Modulation (PAM) circuitry. PAM adjusts the form of the current output wave to emulate the form of the supply voltage wave. These technological features allow 98 percent input power utilization.

PUY/PUZ-NHA/KA7
Cooling-only and Heat Pump

12,000 to 18,000 Btu/h

24,000 to 30,000 Btu/h

36,000 to 42,000 Btu/h

PUZ-HA**N (H2i®)
Hyper-Heating INVERTER

30,000 to 42,000 Btu/h

SYSTEM TECHNOLOGIES

Housed in the outdoor unit, the INVERTER-driven compressor integrates advanced sensor technology to detect subtle changes in temperature. Like a car's cruise control, the sensors automatically adjust the compressor speed to match system output requirements perfectly. INVERTER-driven compressors dramatically reduce the system's energy use, unlike conventional compressors that run only at one speed, resulting in an endless wasteful cycle of starting and stopping.

INVERTER Compressor

Shown inside insulated compartment

FLEXIBLE CONTROL

User-friendly and efficient zone control provides the ability to condition occupied spaces only. The controller may be remotely located. The controls allow you to implement many energy saving features: weekly scheduling, temperature range limiting, auto-off, fault code notification, and service-call number display.

Remote control via the Internet from your smart device is available using kumo cloud®.

EASY-CARE FILTERS

PKA, PCA, and PLA indoor units are provided with washable filters saving time and money on filter changes and cleaning. Optional FB filter boxes are offered for the PEAD models. PVA models feature access panels for easy access and industry standard replaceable filters.

AUTO COOLING/HEATING CHANGEOVER

When set to auto mode, P-Series Heat Pump systems continuously monitor indoor air temperatures, sensing when a space requires cooling or heating. The units automatically switch operation as needed to maintain a consistent level of comfort.

BRING IN OUTSIDE AIR

Outside air may be ducted to select indoor units; PCA, PLA, PVA, and PEAD indoor units, resulting in a healthy, comfortable indoor environment. Lossnay® Energy Recovery Ventilators (ERVs) with integrated controls are also available. Outside air ventilation systems, ducting, and controls are provided separately.

LOW AMBIENT COOLING

The P-Series provides exceptional low ambient performance. For those applications requiring cooling during low ambient conditions, the P-Series, cooling-only and heat pump versions provide full cooling capacity down to 23° F and down to 0° F with the addition of front wind baffles.

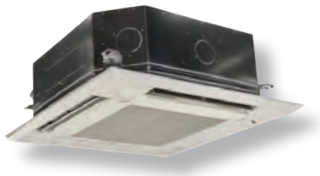
PUY Cooling only units can provide full capacity performance down to -20° F with additional advanced side wind baffles.

The P-Series has Five Types of High-Performance Indoor Units That Let You Match With A Versatile Lineup of Efficient, INVERTER-driven Outdoor Units to Provide A Fully Customizable Solution

PKA Wall-mounted Air Conditioners and Heat Pumps

12,000-36,000 Btu/h

- Sleek, slim-line design
- Ductless installation
- Controller Options: wall-mounted wireless, hand-held wireless or wired
- A receiver for PAR-FL32MA remote controller is built in as a standard feature on all PKA indoor units
- Easy-clean, washable filter
- Ideal for churches, classrooms, daycare centers, retail stores, small offices, server rooms and more



PLA Ceiling-cassette Air Conditioners and Heat Pumps

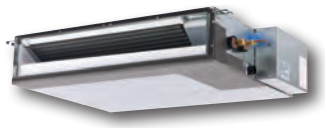
12,000-42,000 Btu/h

- Equipped with 3D i-see Sensor™ technology to detect human heat signatures or the absence of them
- Low profile square design makes it more aesthetically pleasing
- 3D turbo fan resulting in energy savings and reduced sound pressure levels
- Airflow setting for high and low ceiling applications
- Individual vane settings for direct/indirect airflow control or variable airflow patterns
- Knockouts for outside-air intake and branch-duct run
- Filter indicator signal
- Easy-to-clean, washable filter (optional high-efficiency filter available - requires multi-function casement)
- Built-in condensate lift mechanism
- Ideal for retail shops, classrooms, offices spaces, conference centers, building lobbies, and more

PCA Ceiling-suspended Air Conditioners and Heat Pumps

24,000-42,000 Btu/h

- Slim, powerful indoor unit design
- Airflow settings for high and low ceiling applications
- Knockout for outside-air intake
- Optional i-see Sensor™ for precise temperature control
- Controller Options: wall-mounted wireless, hand-held wireless or wired
- Easy-to-clean, washable filter
- Suspends from ceiling for quick and easy installation
- Ideal for larger retail stores, classrooms, restaurants, office spaces, building entrances, energy-efficient additions, renovations, and more



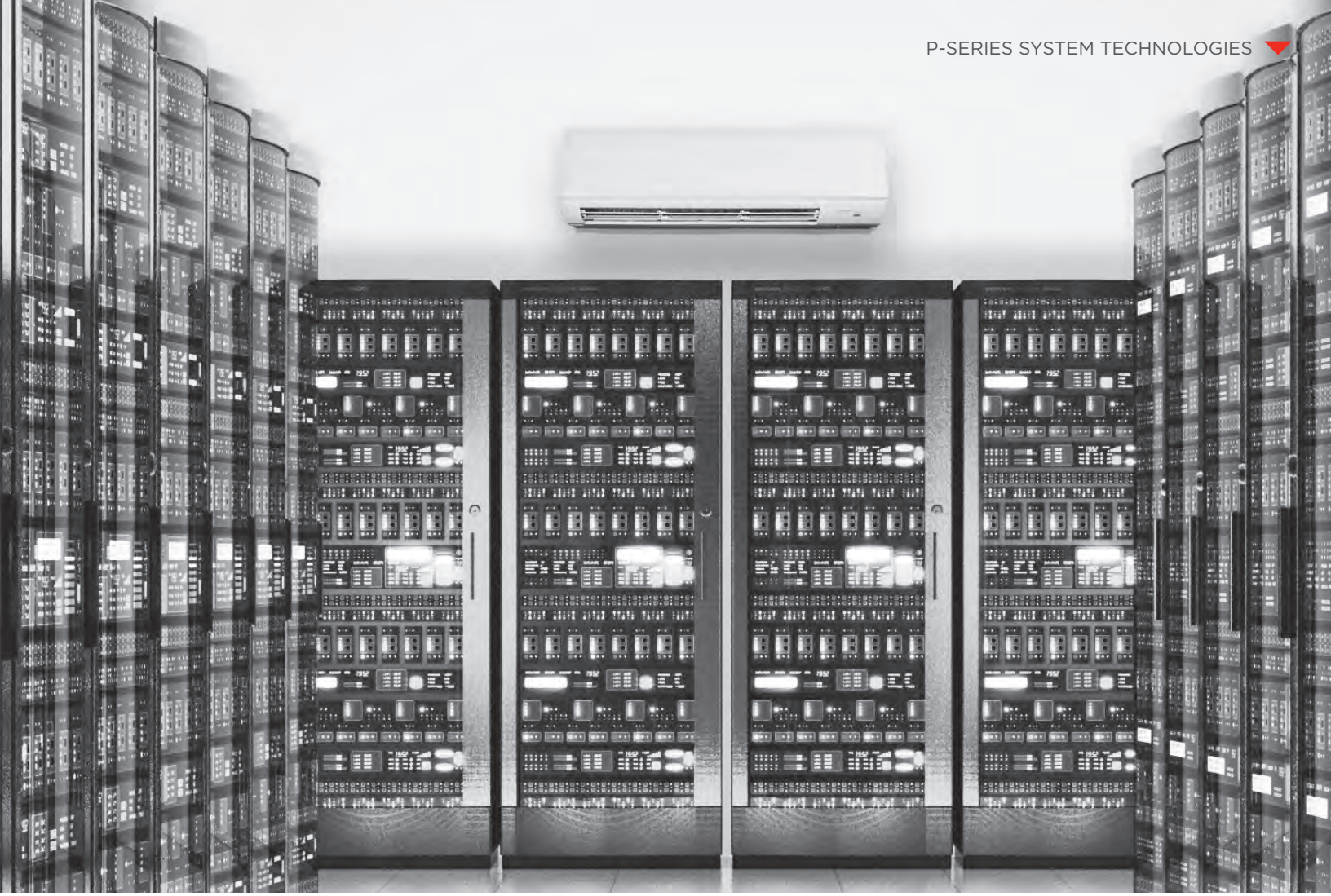
PEAD Horizontal-ducted Air Conditioners and Heat Pumps

9,000-42,000 Btu/h

- Unobtrusive concealed design for use with short-run ductwork
- Wide ranging external static pressure
- Higher static pressure than the competition making it a good fit for net zero/high performance homes
- Built-in condensate lift mechanism
- Automatic fan speed control
- Controller Options: wall-mounted wireless hand-held, wireless or wired controller
- Optional FB Series filter boxes for easy access and service
- Ideal for retail shopping centers, larger classrooms, auditoriums, office complexes, conference ballrooms, fitness centers, and more

PVA Multi-position Air Handler *12,000- 42,000 Btu/h*

- Available in 6 capacities from 12-42kBtu/h
- Ducted air handler provides a solution to cool and heat large zones
- Multi-position installation: horizontal (left or right), vertical (up or down). For downflow configurations, the CMA-1 is recommended for proper management of condensate to prevent water blow-off in certain conditions
- Optional electric heat kit for additional heat capacity
- Positive pressure cabinet with air leakage of less than 1.0% at 1.0 In. WG
- Selectable external static pressure: 0.30, 0.50 and 0.80 In. WG with 3 fan speeds at each static setting



ULTIMATE COMFORT MEETS ULTIMATE CONVENIENCE

Select from a wired wall-mounted, wireless wall-mounted, or hand-held wireless controller for ultimate temperature control. Enjoy a large, easy-to-read set-temperature display with the hand-held wireless remote controller. Using the 24-hour timer, you can set the unit operation to start and stop at specified times. The convenient remote controller provides easy control of the fan speed as well as the Cool, Heat, Auto, and Dry modes from anywhere in the room. Web-enabled smart device connection is available through kumo cloud® or Gateway connections.

LIGHTWEIGHT, EASY-TO-INSTALL INDOOR UNITS

The smallest PKA indoor unit measures about 35-3/8" wide, 11-5/8" tall, and 9-13/16" deep. Weighing just 29 lbs., the PKA easily installs above windows or doorways, and can typically be installed by just two licensed installers in about a half day. The wall-mounted models require no duct work, only a three-inch opening in the wall or ceiling. This leads to installation possibilities in some of the toughest spaces, even on brick and masonry walls.

CONTROL AIRFLOW ANGLE FOR BETTER COVERAGE

During operation the vanes can be adjusted with the remote controller to the perfect position to direct the airflow horizontally in cooling mode or towards the floor in heating mode, keeping room temperature even and comfortable. A simple press of the OFF button results in the vane closing the air outlet for a clean presentation when not in use.

AUTO VANE CONTROL

Four different airflow positions can be set through the use of the wired remote controller. The AUTO vane feature, when in use during cooling, permits the angle to self-adjust into a horizontal position and circulate cold air more effectively. During heating, the vane directs the hot air downward toward the floor where it will rise and circulate, keeping your room comfortable from top to bottom. The vane closes completely when not in use.

I-SEE SENSOR™ TECHNOLOGY (OPTIONAL)

In addition to the return air temperature sensor, the PCA-A7 Ceiling-suspended with the field-installed i-see Sensor™ measures the floor temperature in real time, observing the room vertically for better management of sensible temperature (temperature felt by the occupant). The i-see Sensor™ measures the infrared rays generated from the surrounding wall and floor surface at an angle of 360°. The infrared ray energy is converted into a temperature value. The i-see Sensor™ slowly rotates 90° in five-second intervals for correct measurement of temperature to cover the full floor space. When combined with the auto fan speed mode, air can be directed to the farthest corners of the room for enhanced temperature coverage.

i-see Sensor

TWO-IN-ONE TWINNING

Definition/Overview of Twinning

If you have a large space, such as a long room or hallway which would be considered one zone, two indoor units can be connected to one outdoor unit to cool or heat the space, providing the maximum amount of comfort. The process in which two indoor units act as one to spread the outdoor unit's capacity over a large area is called twinning.

Twinning Requirements and Limitations

Twinning applies to the PUY/Z-A24, A36, and HA36 outdoor units **ONLY**. The two indoor units must be the same capacity. Twinning also requires the use of one PAR-33MAA controller — it will control both indoor units and must be located in the conditioned space.

*Refer to submittals and installation manuals for piping limitations

BUILT-IN DRAIN LIFT MECHANISM

Select indoor units feature a built-in drain lift mechanism for removal of condensate (see specifications for model numbers and pump performance). The unit's fail-safe mechanism recognizes when there is a high liquid level in the condensate pan and turns off the indoor fan and the outdoor unit compressor to prevent overflow.

PEAD BENEFITS

PEAD indoor units utilize short duct runs, allowing for the conditioning of adjacent spaces or extending the range of distributed capacities within a single zone with very little visual impact to the conditioned area.

PEAD

With features like a built-in condensate lift mechanism, adjustable static pressure, multiple fan speeds, DRY Mode, and an operating sound as low as 28 dB(A), PEAD systems expand the number of application possibilities.

The ducted air handlers come set up for rear return. The PEAD is convertible from rear to bottom return by relocating a cover plate.

H2i® LIGHT COMMERCIAL SOLUTIONS

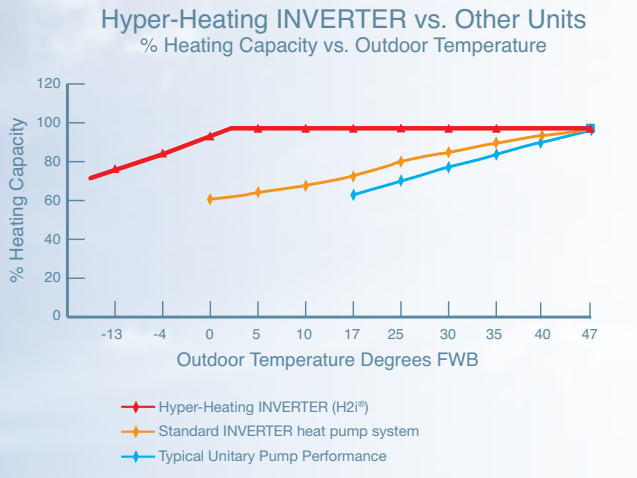
It's below freezing outside? No sweat. The P-Series Hyper-Heating INVERTER systems work to provide the perfect temperature inside. It's all possible thanks to our responsive INVERTER compressor and patented flash injection technology. Even at -13° F, heating is possible. These light commercial solutions are perfect for any business, place of worship or school in any region of the country.

P-SERIES (PUZ-HA) FEATURES

- Auto cooling/heating changeover
- Twinning of two indoor units (36,000 Btu/h only)
- Automatic restart provides peace of mind and ease of use in the event of power outage
- Line lengths up to 245 Ft
- Hot start process means warm airflow from the start

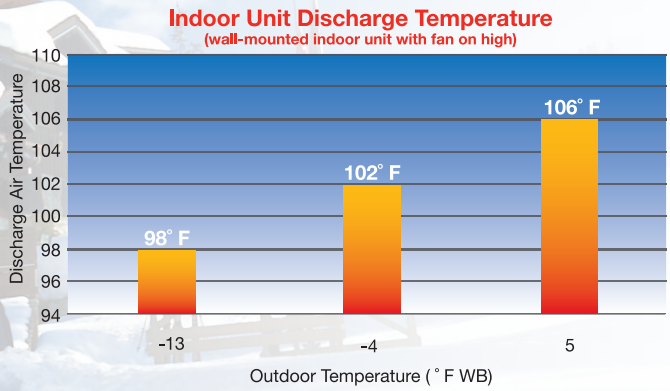
(PUZ-HA)

(Figure 1)



Does not include correction factor for defrost.

(Figure 2)



HEATING PERFORMANCE AT LOW TEMPERATURES

Our exclusive H2i P-Series units recover heat energy that is normally wasted in the flash process within the outdoor coil. H2i flash technology helps the system overcome issues associated with conventional heat pumps, such as decreases in low-side pressure, refrigerant mass flow rate, and operational capacity. What you'll see is that the H2i P-Series units deliver 100% of rated heating capacity at 5° F and 80% at -13° F outdoor ambient temperatures without the use of energy-consuming electric-resistance heaters.

Heating Performance at Low Temperatures.

PUZ-HA30NHA5

COP if	PKA	PLA	PCA	PEAD	PVA
47° F	3.20	2.70	3.14	3.40	3.06
17° F	2.10	2.00	1.90	2.14	2.40
5° F	1.63	1.45	1.61	1.73	1.76

PUZ-HA36NHA5

COP if	PKA	PLA	PCA	PEAD	PVA
47° F	3.20	3.40	3.40	3.52	3.48
17° F	2.20	2.20	2.20	2.42	2.62
5° F	1.65	1.92	1.70	1.82	1.82

PUZ-HA42NKA

COP if	PVA	PLA	PCA	PEAD
47° F	3.14	3.02	3.38	3.70
17° F	2.48	2.12	2.34	2.60
5° F	1.91	1.81	1.85	2.00

*Heating performance at low temperatures for -7 indoor models

(PKA-A30KA7 MODEL SHOWN)

PKA COOLING-ONLY

BS = Seacoast Protection

Model Name	Indoor Unit		PKA-A12HA7	PKA-A18HA7	PKA-A24KA7	PKA-A30KA7	PKA-A36KA7
	Outdoor Unit		PUY-A12NKA7 (-BS)	PUY-A18NKA7 (-BS)	PUY-A24NHA7 (-BS)	PUY-A30NHA7 (-BS)	PUY-A36NKA7 (-BS)
Cooling *1	Rated Capacity	Btu/h	12,000	18,000	24,000	30,000	36,000
	Minimum Capacity	Btu/h	5,800	8,000	10,000	9,000	16,000
	Rated Power Input	W	1,000	1,820	1,960	3,150	3,330
	Moisture Removal	Pints/h	2.0	5.2	5.0	8.1	9.7
	Sensible Heat Factor		0.81	0.68	0.77	0.70	
Efficiency	SEER		20.8	18.5	21.4	19.8	18.8
	EER *1		12.0	9.9	12.2	9.5	10.8
Electrical	Voltage, Phase, Frequency		208 / 230V, 1-phase, 60 Hz *2				
	Guaranteed Voltage Range	V AC	187 - 253				
	RecommendedFuse/BreakerSize	A	15		25		30
Indoor Unit	MCA	A	1				
	Airflow Rate	DRY (CFM)	320-370-425		635-705-775		705-810-920
		WET (CFM)	290-335-380		570-635-700		635-730-830
	Sound Pressure Level	dB(A)	36-40-43		39-42-45		43-46-49
	Drain Pipe Size	In.	5/8				
	External Finish Color		Munsell No. 1.0Y 9.2 / 0.2				
	Dimension Unit	W: In.	35-3/8		46-1/16		
		D: In.	9-13/16		11-5/8		
		H: In.	11-5/8		14-3/8		
	Weight Unit	Lbs.	29		46		
Outdoor Unit	MCA	A	11		19		25
	MOCP	A	28		26		31
	Refrigerant Control		Linear Expansion Valve				
	Airflow	CFM	1,590		1,940		3,880
	SoundPressureLevelatCooling*1	dB(A)	44		47		52
	External Finish Color		Munsell No. 3Y 7.8 / 1.1				
	Dimensions	W: In.	31-13/16 + 7/16		37-13/32		41-5/16
		D: In.	11-3/16		13 + 1-3/16		
		H: In.	24-13/16		37-1/8		52-11/16
	Weight	Lbs.	92	99	151		211
OutdoorUnitOperating Temperature Range	Cooling Intake Air Temperature (Maximum / Minimum)	° F	115 DB / -20* DB				
Refrigerant	Type		R410A				
Refrigerant Pipe	Gas Side O.D.	In.	1/2		5/8		
	Liquid Side O.D.	In.	1/4		3/8		
RefrigerantPipeLength	Maximum Height Difference	Ft.	100				
	Maximum Piping Length	Ft.	165		225		
Connection Method	Indoor/Outdoor		Flared/Flared				

NOTES: Test conditions are based on AHRI 210/240.
*1. Rating conditions (cooling)-Indoor: D.B. 80º F (27º C), W.B. 67º F (19º C); Outdoor: D.B. 95º F (35º C), W.B. 75º F (24º C).

*2. Indoor units receive power from outdoor units through field-supplied interconnected wiring.
*Wind baffles required to operate below 23° F DB in cooling mode. PUY with wind baffle: -20° F - 115° F. Refer to wind baffle documentation for further information.

Specifications are subject to change without notice.

(PKA-A30KA7 MODEL SHOWN)

PKA HEAT PUMP

BS = Seacoast Protection

Model Name	Indoor Unit		PKA-A12HA7	PKA-A18HA7	PKA-A24KA7	PKA-A30KA7	PKA-A36KA7
	Outdoor Unit		PUZ-A12NKA7 (-BS)	PUZ-A18NKA7 (-BS)	PUZ-A24NHA7 (-BS)	PUZ-A30NHA7 (-BS)	PUZ-A36NKA7 (-BS)
Cooling *1	Rated Capacity	Btu/h	12,000	18,000	24,000	30,000	36,000
	Minimum Capacity	Btu/h	5,800	8,000	10,000	9,000	16,000
	Rated Total Input	W	1,000	1,820	1,960	3,150	3,330
	Moisture Removal	Pints/h	2.00	5.20	5.00	8.10	9.70
	Sensible Heat Factor		0.81	0.68	0.77	0.70	0.70
Heating at 47° F *2	Rated Capacity	Btu/h	14,000	19,000	26,000	32,000	38,000
	Minimum Capacity	Btu/h	5,500	7,700	9,000	8,900	18,200
	Rated Power Input	W	950	1,300	1,750	2,460	2,460
Heating at 17° F *3	Rated Capacity	Btu/h	9,200	11,300	15,700	18,300	22,400
	Rated Power Input	W	1,020	1,340	1,750	1,960	2,610
Efficiency	SEER		20.80	18.50	21.40	19.80	18.80
	EER *1		12.00	9.90	12.20	9.50	10.80
	HSPF (IV)		10.20	10.20	11.00	9.90	9.20
Electrical	Voltage, Phase, Frequency		1-phase, 60Hz, 208 / 230V *4				
	Guaranteed Voltage Range	V AC	187 - 253				
	Recommended Fuse/Breaker Size	A	15		25		30
Indoor Unit	MCA	A	1				
	Airflow Rate	DRY (CFM)	320-370-425		635-705-775		705-810-920
		WET (CFM)	290-335-380		570-635-700		635-730-830
	Sound Pressure Level	dB(A)	36-40-43		39-42-45		43-46-49
	Drain Pipe Size	In.	5/8				
	External Finish Color		Munsell No. 1.0Y 9.2 / 0.2				
	Dimension Unit	W: In.	35-3/8		46-1/16		
		D: In.	9-13/16		11-5/8		
		H: In.	11-5/8		14-3/8		
	Weight Unit	Lbs.	29		46		
Outdoor Unit	MCA	A	11	11	19	19	25
	MOCP	A	28	28	26	26	31
	Airflow Rate	CFM	1,590	1,590	1,940	1,940	3,880
	Refrigerant Control		Linear Expansion Valve				
	Defrost Method		Reverse Cycle				
	Sound Pressure Level at Cooling *1	dB(A)	44	44	47	47	52
	Sound Pressure Level at Heating *2	dB(A)	46	46	48	48	53
	External Finish Color		Munsell No. 3Y 7.8 / 1.1				
	Dimensions	W: In.	31-13/16 + 7/16		37-13/32		41-5/16
		D: In.	11-3/16		13 + 1-3/16		
		H: In.	24-13/16		37-1/8		52-11/16
	Weight	Lbs.	93	100	153		214
Outdoor Unit Operating Temperature Range	Cooling Intake Air Temperature (Maximum / Minimum)	° F	115 DB / 0* DB				
	Heating Intake Air Temperature (Maximum / Minimum)		70 DB, 59 WB / 12 DB, 10 WB		70 DB, 59 WB / -4 DB, -4 WB		
Refrigerant	Type		R410A				
Refrigerant Pipe	Gas Side O.D.	In.	1/2		5/8		
	Liquid Side O.D.	In.	1/4		3/8		
Refrigerant Pipe Length	Maximum Height Difference	Ft.	100				
	Maximum Piping Length	Ft.	100		165		
Connection Method	Indoor/Outdoor		Flared/Flared				

NOTES: Test conditions are based on AHRI 210/240.
*1. Rating conditions (cooling)-Indoor: D.B. 80° F (27° C), W.B. 67° F (19° C); Outdoor: D.B. 95° F (35° C), W.B. 75° F (24° C).
*2. Rating conditions at 47° F (heating)-Indoor: D.B. 70° F (21° C), W.B. 60° F (16° C); Outdoor: D.B. 47° F (8° C), W.B. 43° F (6° C).
*3. Rating conditions at 17° F (heating)-Indoor: D.B. 70° F (21° C), W.B. 60° F (16° C); Outdoor: D.B. 17° F (-8.3° C), W.B. 15° F (-9° C).

*4. Indoor units receive power from outdoor units through field-supplied interconnected wiring.
*Wind baffles required to operate below 23° F DB in cooling mode. PUZ with wind baffle: 0° F - 115° F.

Specifications are subject to change without notice.

(PCA-A36KA7 MODEL SHOWN)

PCA COOLING-ONLY

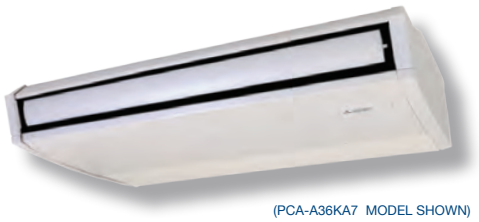
BS = Seacoast Protection

Model Name	Indoor Unit		PCA-A24KA7	PCA-A30KA7	PCA-A36KA7	PCA-A42KA7
	Outdoor Unit		PUY-A24NHA7 (-BS)	PUY-A30NHA7 (-BS)	PUY-A36NKA7 (-BS)	PUY-A42NKA7 (-BS)
Cooling *1	Rated Capacity	Btu/h	24,000	30,000	36,000	42,000
	Minimum Capacity	Btu/h	10,000	9,000	16,000	16,000
	Rated Power Input	W	1,960	3,190	3,270	4,110
	Moisture Removal	Pints/h	5.80	8.30	8.70	11.70
	Sensible Heat Factor		0.73	0.69	0.73	0.69
Efficiency	SEER		21.20	19.60	19.10	17.60
	EER *1		12.20	9.40	11.00	10.20
Electrical	Voltage, Phase, Frequency		208 / 230V, 1-phase, 60 Hz *2			
	Guaranteed Voltage Range	V AC	187 - 253			
	RecommendedFuse/BreakerSize	A	25		30	
Indoor Unit	MCA	A	1		2	
	Airflow Rate	DRY (CFM)	530-565-600-670	565-600-635-705	775-850-920-990	810-885-955-1,025
		WET (CFM)	495-530-565-635	530-565-600-670	705-775-850-920	740-810-885-955
	Sound Pressure Level	dB(A)	33-35-37-40	35-37-39-41	37-39-41-43	39-41-43-45
	Drain Pipe Size	In.	1-1/32			
	External Finish Color		White Munsell 6.4Y 8.9/0.4			
	Dimension Unit	W: In.	50-3/8		63	
		D: In.	26-3/4			
		H: In.	9-1/16			
	Weight Unit	Lbs.	71		79	86
Outdoor Unit	MCA	A	19		25	
	MOCP	A	26		31	
	Refrigerant Control		Linear Expansion Valve			
	Airflow	CFM	1,940		3,880	
	SoundPressureLevelatCooling*1	dB(A)	47		52	
	External Finish Color		Munsell No. 3Y 7.8 / 1.1			
	Dimensions	W: In.	37-13/32		41-5/16	
		D: In.	13 + 1-3/16			
		H: In.	37-1/8		52-11/16	
	Weight	Lbs.	151		211	
OutdoorUnitOperating Temperature Range	Cooling Intake Air Temperature (Maximum / Minimum)	° F	115 DB / -20* DB			
Refrigerant	Type		R410A			
Refrigerant Pipe	Gas Side O.D.	In.	5/8			
	Liquid Side O.D.	In.	3/8			
RefrigerantPipeLength	Maximum Height Difference	Ft.	100			
	Maximum Piping Length	Ft.	225			
ConnectionMethod	Indoor/Outdoor		Flared/Flared			

NOTES: Test conditions are based on AHRI 210/240.
*1. Rating conditions (cooling)-Indoor: D.B. 80º F (27º C), W.B. 67º F (19º C); Outdoor: D.B. 95º F (35º C), W.B. 75º F (24º C).

*2. Indoor units receive power from outdoor units through field-supplied interconnected wiring.
*Wind baffles required to operate below 23° F DB in cooling mode. PUY with wind baffle: -20° F - 115° F. Refer to wind baffle documentation for further information.

Specifications are subject to change without notice.



(PCA-A36KA7 MODEL SHOWN)

PCA HEAT PUMP

BS = Seacoast Protection

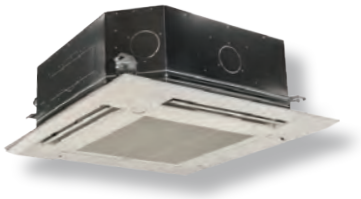
Model Name	Indoor Unit		PCA-A24KA7	PCA-A30KA7	PCA-A36KA7	PCA-A42KA7
	Outdoor Unit		PUZ-A24NHA7 (-BS)	PUZ-A30NHA7 (-BS)	PUZ-A36NKA7 (-BS)	PUZ-A42NKA7 (-BS)
Cooling *1	Rated Capacity	Btu/h	24,000	30,000	36,000	42,000
	Minimum Capacity	Btu/h	10,000	9,000	16,000	16,000
	Rated Total Input	W	1,960	3,190	3,270	4,110
	Moisture Removal	Pints/h	5.80	8.30	8.70	11.70
	Sensible Heat Factor		0.73	0.69	0.73	0.69
Heating at 47° F *2	Rated Capacity	Btu/h	26,000	32,000	38,000	45,000
	Minimum Capacity	Btu/h	8,800	8,600	17,900	18,100
	Rated Power Input	W	1,800	2,520	2,410	3,480
Heating at 17° F *3	Rated Capacity	Btu/h	15,400	18,800	21,000	31,800
	Rated Power Input	W	1,700	2,050	2,430	3,160
Efficiency	SEER		21.20	19.60	19.10	17.60
	EER *1		12.20	9.40	11.00	10.20
	HSPF (IV)		10.80	10.00	10.20	10.20
Electrical	Voltage, Phase, Frequency		1-phase, 60Hz, 208 / 230V *4			
	Guaranteed Voltage Range	V AC	187 - 253			
	Recommended Fuse/Breaker Size	A	25		30	
Indoor Unit	MCA	A	1		2	
	Airflow Rate	DRY (CFM)	530-565-600-670	565-600-635-705	775-850-920-990	810-885-955-1,025
		WET (CFM)	495-530-565-635	530-565-600-670	705-775-850-920	740-810-885-955
	Sound Pressure Level	dB(A)	33-35-37-40	35-37-39-41	37-39-41-43	39-41-43-45
	Drain Pipe Size	In.	1-1/32			
	External Finish Color		White Munsell 6.4Y 8.9/0.4			
	Dimension Unit	W: In.	50-3/8		63	
		D: In.	26-3/4			
		H: In.	9-1/16			
	Weight Unit	Lbs.	71		79	
Outdoor Unit	MCA	A	19		25	
	MOCP	A	26		31	
	Airflow Rate	CFM	1,940		3,880	
	Refrigerant Control		Linear Expansion Valve			
	Defrost Method		Reverse Cycle			
	Sound Pressure Level at Cooling *1	dB(A)	47		52	
	Sound Pressure Level at Heating *2	dB(A)	48		53	
	External Finish Color		Munsell No. 3Y 7.8 / 1.1			
	Dimensions	W: In.	37-13/32		41-5/16	
		D: In.	13 + 1-3/16			
		H: In.	37-1/8		52-11/16	
	Weight	Lbs.	153		214	
Outdoor Unit Operating Temperature Range	Cooling Intake Air Temperature (Maximum / Minimum)	° F	115 DB / 0* DB			
	Heating Intake Air Temperature (Maximum / Minimum)		70 DB, 59 WB / -4 DB, -4 WB			
Refrigerant	Type		R410A			
Refrigerant Pipe	Gas Side O.D.	In.	1/2		5/8	
	Liquid Side O.D.	In.	1/4		3/8	
Refrigerant Pipe Length	Maximum Height Difference	Ft.	100			
	Maximum Piping Length	Ft.	165			
Connection Method	Indoor/Outdoor		Flared/Flared			

NOTES: Test conditions are based on AHRI 210/240.
*1. Rating conditions (cooling)-Indoor: D.B. 80° F (27° C), W.B. 67° F (19° C); Outdoor: D.B. 95° F (35° C), W.B. 75° F (24° C).
*2. Rating conditions at 47° F (heating)-Indoor: D.B. 70° F (21° C), W.B. 60° F (16° C); Outdoor: D.B. 47° F (8° C), W.B. 43° F (6° C).
*3. Rating conditions at 17° F (heating)-Indoor: D.B. 70° F (21° C), W.B. 60° F (16° C); Outdoor: D.B. 17° F (-8.3° C), W.B. 15° F (-9° C).

*4. Indoor units receive power from outdoor units through field-supplied interconnected wiring.
*Wind baffles required to operate below 23° F DB in cooling mode. PUZ with wind baffle: 0° F - 115° F.

Specifications are subject to change without notice.

(PLA-A36EA7 MODEL SHOWN



PLA COOLING-ONLY

BS = Seacoast Protection

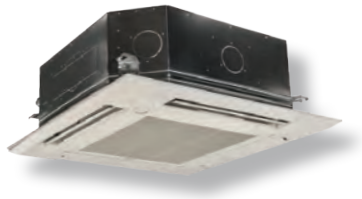
Model Name	Indoor Unit		PLA-A12EA7	PLA-A18EA7	PLA-A24EA7	PLA-A30EA7	PLA-A36EA7	PLA-A42EA7
	Outdoor Unit		PUY-A12NKA7 (-BS)	PUY-A18NKA7 (-BS)	PUY-A24NHA7 (-BS)	PUY-A30NHA7 (-BS)	PUY-A36NKA7 (-BS)	PUY-A42NKA7 (-BS)
Cooling *1	Rated Capacity	Btu/h	12,000	18,000	24,000	30,000	36,000	42,000
	Minimum Capacity	Btu/h	5,800	8,000	10,000	9,000	16,000	16,000
	Rated Power Input	W	730	1,250	1,670	2,540	2,780	3,590
	Moisture Removal	Pints/h	1.2	2.4	3.0	5.4	4.5	7.9
	Sensible Heat Factor		0.89	0.85	0.86	0.80	0.86	0.79
Efficiency	SEER		27.0	24.6	24.2	22.8	21.8	21.0
	EER *1		16.4	14.4	14.3	11.8	12.9	11.6
Electrical	Voltage, Phase, Frequency		208 / 230V, 1-phase, 60 Hz *2					
	Guaranteed Voltage Range	V AC	187 - 253					
	RecommendedFuse/BreakerSize	A	15		25		30	
Indoor Unit	MCA	A	1				2	
	Airflow Rate	DRY (CFM)	420-460-490-530	420-460-570-600	530-640-710-810	570-670-780-880	670-850-1,020-1,200	740-920-1,060-1,200
		WET(CFM)	380-420-450-490	380-420-530-560	490-600-670-770	530-630-740-840	630-810-980-1160	700-880-1,020-1,160
	Sound Pressure Level	dB(A)	730	1,250	1,670	2,540	2,780	3,590
	Drain Pipe Size	In.	1-1/4					
	Condensate Lift Mechanism, Maximum Distance	In.	33-7/16					
	External Finish Color		White Munsell 6.4Y 8.9/0.4					
	UnitDimensions//GrilleDimensions	W: In.	33-1/16 // 37-13/32					
		D: In.	33-1/16 // 37-13/32					
		H: In.	10-5/32 // 1-9/16					
	Weight Unit	Lbs.	46 // 11		56 // 11			
Outdoor Unit	MCA	A	11		19		25	
	MOCP	A	28		26		31	
	Refrigerant Control		Linear Expansion Valve					
	Airflow	CFM	1,590		1,940		3,880	
	SoundPressureLevelatCooling*1	dB(A)	44		47		52	
	External Finish Color		Munsell No. 3Y 7.8 / 1.1					
	Dimensions	W: In.	31-13/16 + 7/16		37-13/32		41-5/16	
		D: In.	11-3/16		13 + 1-3/16			
		H: In.	24-13/16		37-1/8		52-11/16	
	Weight	Lbs.	92	99	151		211	
Outdoor Unit Operating TemperatureRange	Cooling Intake Air Temperature (Maximum / Minimum)	° F	115 DB / -20* DB					
Refrigerant	Type		R410A					
Refrigerant Pipe	Gas Side O.D.	In.	1/2		5/8			
	Liquid Side O.D.	In.	1/4		3/8			
Refrigerant Pipe Length	Maximum Height Difference	Ft.	100					
	Maximum Piping Length	Ft.	165		225			
ConnectionMethod	Indoor/Outdoor		Flared/Flared					

NOTES: Test conditions are based on AHRI 210/240.
*1. Rating conditions (cooling)-Indoor: D.B. 80º F (27º C), W.B. 67º F (19º C); Outdoor: D.B. 95º F (35º C), W.B. 75º F (24º C).

*2. Indoor units receive power from outdoor units through field-supplied interconnected wiring.
*Wind baffles required to operate below 23° F DB in cooling mode. PUY with wind baffle: -20° F - 115° F. Refer to wind baffle documentation for further information.

Specifications are subject to change without notice.

(PLA-A36EA7 MODEL SHOWN



PLA HEAT PUMP

BS = Seacoast Protection

Model Name	Indoor Unit		PLA-A12EA7	PLA-A18EA7	PLA-A24EA7	PLA-A30EA7	PLA-A36EA7	PLA-A42EA7
	Outdoor Unit		PUZ-A12NKA7 (-BS)	PUZ-A18NKA7 (-BS)	PUZ-A24NHA7 (-BS)	PUZ-A30NHA7 (-BS)	PUZ-A36NKA7 (-BS)	PUZ-A42NKA7 (-BS)
Cooling *1	Rated Capacity	Btu/h	12,000	18,000	24,000	30,000	36,000	42,000
	Minimum Capacity	Btu/h	5,800	8,000	10,000	9,000	16,000	16,000
	Rated Total Input	W	730	1,250	1,670	2,540	2,780	3,590
	Moisture Removal	Pints/h	1.2	2.4	3.0	5.4	4.5	7.9
	Sensible Heat Factor		0.89	0.85	0.86	0.80	0.86	0.79
Heating at 47° F *2	Rated Capacity	Btu/h	14,000	19,000	26,000	32,000	38,000	45,000
	Minimum Capacity	Btu/h	5,500	7,900	9,000	9,000	18,000	18,000
	Rated Power Input	W	830	1,300	1,750	2,400	2,540	3,290
Heating at 17° F *3	Rated Capacity	Btu/h	10,100	11,000	14,900	18,100	22,000	28,000
	Rated Power Input	W	1,170	1,300	1,600	1,880	2,490	3,070
Efficiency	SEER		27.0	24.6	24.2	22.8	21.8	21.0
	EER *1		16.4	14.4	14.3	11.8	12.9	11.6
	HSPF (IV)		12.8	11.0	11.2	11.6	10.4	9.3
Electrical	Voltage, Phase, Frequency		1-phase, 60Hz, 208 / 230V *4					
	Guaranteed Voltage Range	V AC	187 - 253					
	RecommendedFuse/BreakerSize	A	15		25		30	
Indoor Unit	MCA	A	1				2	
	Airflow Rate	DRY(CFM)	420-460-490-530	420-460-570-600	530-640-710-810	570-670-780-880	670-850-1,020-1,200	740-920-1,060-1,200
		WET (CFM)	380-420-450-490	380-420-530-560	490-600-670-770	530-630-740-840	630-810-980-1,160	700-880-1,020-1,160
	Sound Pressure Level	dB(A)	27-28-29-30	28-29-31-32	28-30-33-36	28-32-35-38	32-37-41-44	34-38-42-45
	Drain Pipe Size	In.	1-1/4					
	Condensate Lift Mechanism, Maximum Distance	In.	33-7/16					
	External Finish Color		White Munsell 6.4Y 8.9/0.4					
	Dimension Unit	W: In.	33-1/16 // 37-13/32					
		D: In.	33-1/16 // 37-13/32					
		H: In.	10-5/32 // 1-9/16					
	Weight Unit	Lbs.	46 // 11		56 // 11			
Outdoor Unit	MCA	A	11		19		25	
	MOCP	A	28		26		31	
	Airflow Rate	CFM	1,590		1,940		3,880	
	Refrigerant Control		Linear Expansion Valve					
	Defrost Method		Reverse Cycle					
	SoundPressureLevelatCooling*1	dB(A)	44		47		52	
	SoundPressureLevelatHeating*2	dB(A)	46		48		53	
	External Finish Color		Munsell No. 3Y 7.8 / 1.1					
	Dimensions	W: In.	31-13/16 + 7/16		37-13/32		41-5/16	
		D: In.	11-3/16		13 + 1-3/16			
		H: In.	24-13/16		37-1/8		52-11/16	
	Weight	Lbs.	93	100	153		214	
Outdoor Unit Operating TemperatureRange	Cooling Intake Air Temperature (Maximum / Minimum)	° F	115 DB / 0* DB					
	Heating Intake Air Temperature (Maximum / Minimum)		70 DB, 59 WB / 12 DB, 10 WB		70 DB, 59 WB / -4 DB, -4 WB			
Refrigerant	Type		R410A					
Refrigerant Pipe	Gas Side O.D.	In.	1/2		5/8			
	Liquid Side O.D.	In.	1/4		3/8			
Refrigerant Pipe Length	Maximum Height Difference	Ft.	100					
	Maximum Piping Length	Ft.	100		165			
ConnectionMethod	Indoor/Outdoor		Flared/Flared					

NOTES: Test conditions are based on AHRI 210/240.
*1. Rating conditions (cooling)-Indoor: D.B. 80° F (27° C), W.B. 67° F (19° C); Outdoor: D.B. 95° F (35° C), W.B. 75° F (24° C).
*2. Rating conditions at 47° F (heating)-Indoor: D.B. 70° F (21° C), W.B. 60° F (16° C); Outdoor: D.B. 47° F (8° C), W.B. 43° F (6° C).
*3. Rating conditions at 17° F (heating)-Indoor: D.B. 70° F (21° C), W.B. 60° F (16° C); Outdoor: D.B. 17° F (-8.3° C), W.B. 15° F (-9° C).

*4. Indoor units receive power from outdoor units through field-supplied interconnected wiring.
*Wind baffles required to operate below 23° F DB in cooling mode. PUZ with wind baffle: 0° F - 115° F.

Specifications are subject to change without notice.

PEAD COOLING-ONLY

(PEAD-A18AA7 MODEL SHOWN)

BS = Seacoast Protection

Model Name	Indoor Unit		PEAD-A12AA7	PEAD-A18AA7	PEAD-A24AA7	PEAD-A30AA7	PEAD-A36AA7	PEAD-A42AA7
	Outdoor Unit		PUY-A12NKA7 (-BS)	PUY-A18NKA7 (-BS)	PUY-A24NHA7 (-BS)	PUY-A30NHA7 (-BS)	PUY-A36NKA7 (-BS)	PUY-A42NKA7 (-BS)
Cooling *1	Rated Capacity	Btu/h	12,000	18,000	24,000	30,000	36,000	42,000
	Minimum Capacity	Btu/h	5,000	8,000	10,000	9,000	16,000	16,000
	Rated Power Input	W	920	1,660	2,050	3,000	3,000	3,920
	Moisture Removal	Pints/h	1.80	3.70	6.90	8.60	8.10	9.00
	Sensible Heat Factor		0.83	0.77	0.68	0.68	0.75	0.76
Efficiency	SEER		21.1	19.9	19.6	19.1	19.1	16.1
	EER *1		13.0	10.8	11.7	10.0	12.0	10.7
Electrical	Voltage, Phase, Frequency		208 / 230V, 1-phase, 60 Hz *2					
	Guaranteed Voltage Range	V AC	187 - 253					
	RecommendedFuse/BreakerSize	A	15		25		30	
Indoor Unit	MCA	A	1.45	1.69	2.63	2.73	3.30	3.50
	Airflow Rate	DRY (CFM)	353-424-494	424-512-600	512-635-741	618-742-883	847-1,024-1,201	1,042-1,254-1,483
		WET(CFM)	313-384-454	384-472-560	472-595-701	578-702-843	807-984-1,161	1,002-1,214-1,443
	External Static Pressure	In. WG	0.14-0.20-0.28-0.40-0.60					
	Sound Pressure Level	dB(A)	28-30-34	30-33-37	30-33-37	30-34-39	33-38-42	36-40-44
	Drain Pipe Size	In.	1-1/4					
	Condensate Lift Mechanism, Maximum Distance	In.	27-9/16					
	External Finish Color		Galvanized					
	Unit Dimensions	W: In.	35-7/16		43-5/16		55-1/8	
		D: In.	28-7/8					
		H: In.	9-7/8					
	Weight Unit	Lbs.	58	62	69		86	91
Outdoor Unit	MCA	A	11		19		25	
	MOCP	A	28		26		31	
	Refrigerant Control		Linear Expansion Valve					
	Airflow	CFM	1,590		1,940		3,880	
	SoundPressureLevelatCooling*1	dB(A)	44		47		52	
	External Finish Color		Munsell No. 3Y 7.8 / 1.1					
	Dimensions	W: In.	31-13/16 + 7/16		37-13/32		41-5/16	
		D: In.	11-3/16		13 + 1-3/16			
		H: In.	24-13/16		37-1/8		52-11/16	
	Weight	Lbs.	92	99	151		211	
OutdoorUnitOperating Temperature Range	Cooling Intake Air Temperature (Maximum / Minimum)	° F	115 DB / -20* DB					
Refrigerant	Type		R410A					
Refrigerant Pipe	Gas Side O.D.	In.	1/2		5/8			
	Liquid Side O.D.	In.	1/4		3/8			
RefrigerantPipeLength	Maximum Height Difference	Ft.	100					
	Maximum Piping Length	Ft.	165		225			
ConnectionMethod	Indoor/Outdoor		Flared/Flared					

NOTES: Test conditions are based on AHRI 210/240.
*1. Rating conditions (cooling)-Indoor: D.B. 80° F (27° C), W.B. 67° F (19° C); Outdoor: D.B. 95° F (35° C), W.B. 75° F (24° C).

*2. Indoor units receive power from outdoor units through field-supplied interconnected wiring.
*Wind baffles required to operate below 23° F DB in cooling mode. PUY with wind baffle: -20° F - 115° F. Refer to wind baffle documentation for further information.

Specifications are subject to change without notice.

PEAD HEAT PUMP

(PEAD-A18AA7 MODEL SHOWN)

BS = Seacoast Protection

Model Name	Indoor Unit		PEAD-A12AA7	PEAD-A18AA7	PEAD-A24AA7	PEAD-A30AA7	PEAD-A36AA7	PEAD-A42AA7
	Outdoor Unit		PUZ-A12NKA7 (-BS)	PUZ-A18NKA7 (-BS)	PUZ-A24NHA7 (-BS)	PUZ-A30NHA7 (-BS)	PUZ-A36NKA7 (-BS)	PUZ-A42NKA7 (-BS)
Cooling *1	Rated Capacity	Btu/h	12,000	18,000	24,000	30,000	36,000	42,000
	Minimum Capacity	Btu/h	5,000	8,000	10,000	9,000	16,000	16,000
	Rated Total Input	W	920	1,660	2,050	3,000	3,000	3,920
	Moisture Removal	Pints/h	1.80	3.70	6.90	8.60	8.10	9.00
	Sensible Heat Factor		0.83	0.77	0.68	0.68	0.75	0.76
Heating at 47° F *2	Rated Capacity	Btu/h	14,000	19,000	26,000	32,000	38,000	45,000
	Minimum Capacity	Btu/h	5,800	7,900	9,000	8,800	18,200	18,100
	Rated Power Input	W	1,030	1,400	1,750	2,490	2,410	3,290
Heating at 17° F *3	Rated Capacity	Btu/h	8,700	11,000	14,800	18,500	20,800	30,600
	Rated Power Input	W	1,100	1,350	1,630	1,980	2,350	3,040
Efficiency	SEER		21.1	19.9	19.6	19.1	19.1	16.1
	EER *1		13.0	10.8	11.7	10.0	12.0	10.7
	HSPF (IV)		10.2	10.2	10.8	10.8	9.9	10.0
Electrical	Voltage, Phase, Frequency		1-phase, 60Hz, 208 / 230V *4					
	Guaranteed Voltage Range	V AC	187 - 253					
	RecommendedFuse/BreakerSize	A	15		25		30	
Indoor Unit	MCA	A	1.45	1.69	2.63	2.73	3.30	3.50
	Airflow Rate	DRY(CFM)	353-424-494	424-512-600	512-635-741	618-742-883	847-1,024-1,201	1,042-1,254-1,483
		WET(CFM)	313-384-454	384-472-560	472-595-701	578-702-843	807-984-1,161	1,002-1,214-1,443
	External Static Pressure	In. WG	0.14-0.20-0.28-0.40-0.60					
	Sound Pressure Level	dB(A)	28-30-34	30-33-37	30-33-37	30-34-39	33-38-42	36-40-44
	Drain Pipe Size	In.	1-1/4					
	Condensate Lift Mechanism, Maximum Distance	In.	27-9/16					
	External Finish Color		Galvanized					
	Dimension Unit	W: In.	35-7/16		43-5/16		55-1/8	
		D: In.	28-7/8					
		H: In.	9-7/8					
	Weight Unit	Lbs.	58	62	69		86	91
Outdoor Unit	MCA	A	11		19		25	
	MOCP	A	28		26		31	
	Airflow Rate	CFM	1,590		1,940		3,880	
	Refrigerant Control		Linear Expansion Valve					
	Defrost Method		Reverse Cycle					
	SoundPressureLevelatCooling*1	dB(A)	44		47		52	
	SoundPressureLevelatHeating*2	dB(A)	46		48		53	
	External Finish Color		Munsell No. 3Y 7.8 / 1.1					
	Dimensions	W: In.	31-13/16 + 7/16		37-13/32		41-5/16	
		D: In.	11-3/16		13 + 1-3/16			
		H: In.	24-13/16		37-1/8		52-11/16	
	Weight	Lbs.	93	100	153		214	
OutdoorUnitOperating Temperature Range	Cooling Intake Air Temperature (Maximum / Minimum)	° F	115 DB / 0* DB					
	Heating Intake Air Temperature (Maximum / Minimum)		70 DB, 59 WB / 12 DB, 10 WB		70 DB, 59 WB / -4 DB, -4 WB			
Refrigerant	Type		R410A					
Refrigerant Pipe	Gas Side O.D.	In.	1/2		5/8			
	Liquid Side O.D.	In.	1/4		3/8			
RefrigerantPipeLength	Maximum Height Difference	Ft.	100					
	Maximum Piping Length	Ft.	100		165			
ConnectionMethod	Indoor/Outdoor		Flared/Flared					

NOTES: Test conditions are based on AHRI 210/240.
*1. Rating conditions (cooling)-Indoor: D.B. 80° F (27° C), W.B. 67° F (19° C); Outdoor: D.B. 95° F (35° C), W.B. 75° F (24° C).
*2. Rating conditions at 47° F (heating)-Indoor: D.B. 70° F (21° C), W.B. 60° F (16° C); Outdoor: D.B. 47° F (8° C), W.B. 43° F (6° C).
*3. Rating conditions at 17° F (heating)-Indoor: D.B. 70° F (21° C), W.B. 60° F (16° C); Outdoor: D.B. 17° F (-8.3° C), W.B. 15° F (-9° C).

*4. Indoor units receive power from outdoor units through field-supplied interconnected wiring.
*Wind baffles required to operate below 23° F DB in cooling mode. PUZ with wind baffle: 0° F - 115° F.

Specifications are subject to change without notice.

PVA MULTI-POSITION AIR HANDLER COOLING-ONLY

(PVA-A42AA7 MODEL SHOWN)

BS = Seacoast Protection

Model Name	Indoor Unit		PVA-A12AA7	PVA-A18AA7	PVA-A24AA7	PVA-A30AA7	PVA-A36AA7	PVA-A42AA7
	Outdoor Unit		PUY-A12NKA7 (-BS)	PUY-A18NKA7 (-BS)	PUY-A24NHA7 (-BS)	PUY-A30NHA7 (-BS)	PUY-A36NKA7 (-BS)	PUY-A42NKA7 (-BS)
Cooling *1	Rated Capacity	Btu/h	12,000	18,000	24,000	30,000	36,000	42,000
	Minimum Capacity	Btu/h	4,800	7,000	10,000	10,000	14,600	15,000
	Rated Power Input	W	890	1,570	1,960	3,000	3,250	4,150
	Moisture Removal	Pints/h	2.5	3.9	3.7	7.0	7.4	7.2
	Sensible Heat Factor		0.77	0.76	0.83	0.74	0.77	0.81
Efficiency	SEER		21.40	20.20	20.50	19.00	19.30	18.00
	EER *1		13.40	11.40	12.20	10.00	9.80	10.10
Electrical	Voltage, Phase, Frequency		208 / 230V, 1-phase, 60 Hz *2					
	Guaranteed Voltage Range	V AC	187 - 253					
	RecommendedFuse/BreakerSize	A	15		25		30	
Indoor Unit	MCA	A	3.00	3.00	4.13		5.50	5.63
	Airflow Rate	DRY (CFM)	280-340-400	515-625-735	613-744-875		788-956-1,125	1,040-1,262-1,485
		WET (CFM)	n/a	n/a	n/a	n/a	n/a	n/a
	External Static Pressure	In. WG	0.30-0.50-0.80					
	Sound Pressure Level	dB(A)	24-28-32	28-33-36	30-34-38			34-38-42
	Drain Pipe Size	In.	3/4					
	External Finish Color		Galvanized steel cabinet, Powder-coated Slate Gray					
	Unit Dimensions	W: In.	17		21		25	
		D: In.	21-5/8					
		H: In.	50-1/4		54-1/4		59-1/2	
	Weight Unit	Lbs.	113		141		172	
Outdoor Unit	MCA	A	11		19		25	
	MOCP	A	28		26		31	
	Refrigerant Control		Linear Expansion Valve					
	Airflow	CFM	1,590		1,940		3,880	
	SoundPressureLevelatCooling*1	dB(A)	44		47		52	
	External Finish Color		Munsell No. 3Y 7.8 / 1.1					
	Dimensions	W: In.	31-13/16 + 7/16		37-13/32		41-5/16	
		D: In.	11-3/16		13 + 1-3/16			
		H: In.	24-13/16		37-1/8		52-11/16	
	Weight	Lbs.	92	99	151		211	
OutdoorUnitOperating Temperature Range	Cooling Intake Air Temperature (Maximum / Minimum)	° F	115 DB / -20* DB					
Refrigerant	Type		R410A					
Refrigerant Pipe	Gas Side O.D.	In.	1/2		5/8			
	Liquid Side O.D.	In.	1/4		3/8			
RefrigerantPipeLength	Maximum Height Difference	Ft.	100					
	Maximum Piping Length	Ft.	165		225			
ConnectionMethod	Indoor/Outdoor		Flared/Flared					

NOTES: Test conditions are based on AHRI 210/240.
*1. Rating conditions (cooling)-Indoor: D.B. 80º F (27º C), W.B. 67º F (19º C); Outdoor: D.B. 95º F (35º C), W.B. 75º F (24º C).

*2. Indoor units receive power from outdoor units through field-supplied interconnected wiring.
*Wind baffles required to operate below 23° F DB in cooling mode. PUY with wind baffle: -20° F - 115° F. Refer to wind baffle documentation for further information.

Specifications are subject to change without notice.

PVA MULTI-POSITION AIR HANDLER HEAT PUMP

(PVA-A42AA7 MODEL SHOWN)

BS = Seacoast Protection

Model Name	Indoor Unit		PVA-A12AA7	PVA-A18AA7	PVA-A24AA7	PVA-A30AA7	PVA-A36AA7	PVA-A42AA7
	Outdoor Unit		PUZ-A12NKA7 (-BS)	PUZ-A18NKA7 (-BS)	PUZ-A24NHA7 (-BS)	PUZ-A30NHA7 (-BS)	PUZ-A36NKA7 (-BS)	PUZ-A42NKA7 (-BS)
Cooling *1	Rated Capacity	Btu/h	12,000	18,000	24,000	30,000	36,000	42,000
	Minimum Capacity	Btu/h	4,800	7,000	10,000	10,000	14,600	15,000
	Rated Total Input	W	890	1,570	1,960	3,000	3,250	4,150
	Moisture Removal	Pints/h	2.5	3.9	3.7	7.0	7.4	7.2
	Sensible Heat Factor		0.77	0.76	0.83	0.74	0.77	0.81
Heating at 47° F *2	Rated Capacity	Btu/h	14,000	19,000	26,000	32,000	38,000	46,000
	Minimum Capacity	Btu/h	5,700	7,700	12,000	12,000	17,700	18,100
	Rated Power Input	W	1,070	1,470	1,920	2,640	3,030	3,900
Heating at 17° F *3	Rated Capacity	Btu/h	9,900	12,000	15,000	18,000	24,000	28,400
	Rated Power Input	W	1,400	1,520	1,760	2,110	2,990	3,440
Efficiency	SEER		21.40	20.20	20.50	19.00	19.30	18.00
	EER *1		13.40	11.40	12.20	10.00	9.80	10.10
	HSPF (IV)		10.30	10.40	9.30	10.00	9.50	9.30
Electrical	Voltage, Phase, Frequency		1-phase, 60Hz, 208 / 230V *4					
	Guaranteed Voltage Range	V AC	187 - 253					
	RecommendedFuse/BreakerSize	A	15		25		30	
Indoor Unit	MCA	A	3.00	3.00	4.13		5.50	5.63
	Airflow Rate	DRY (CFM)	280-340-400	515-625-735	613-744-875		788-956-1,125	1,040-1,262-1,485
		WET (CFM)	n/a	n/a	n/a	n/a	n/a	n/a
	External Static Pressure	In. WG	0.30-0.50-0.80					
	Sound Pressure Level	dB(A)	24-28-32	28-33-36	30-34-38			34-38-42
	Drain Pipe Size	In.	3/4					
	External Finish Color		Galvanized steel cabinet, Powder-coated Slate Gray					
	Dimension Unit	W: In.	17		21		25	
		D: In.	21-5/8					
		H: In.	50-1/4		54-1/4		59-1/2	
	Weight Unit	Lbs.	113		141		172	
Outdoor Unit	MCA	A	11		19		25	
	MOCP	A	28		26		31	
	Airflow Rate	CFM	1,590		1,940		3,880	
	Refrigerant Control		Linear Expansion Valve					
	Defrost Method		Reverse Cycle					
	SoundPressureLevelatCooling*1	dB(A)	44		47		52	
	SoundPressureLevelatHeating*2	dB(A)	46		48		53	
	External Finish Color		Munsell No. 3Y 7.8 / 1.1					
	Dimensions	W: In.	31-13/16 + 7/16		37-13/32		41-5/16	
		D: In.	11-3/16		13 + 1-3/16			
		H: In.	24-13/16		37-1/8		52-11/16	
	Weight	Lbs.	93	100	153		214	
OutdoorUnitOperating Temperature Range	Cooling Intake Air Temperature (Maximum / Minimum)	° F	115 DB / 0* DB					
	Heating Intake Air Temperature (Maximum / Minimum)		70 DB, 59 WB / 12 DB, 10 WB		70 DB, 59 WB / -4 DB, -4 WB			
Refrigerant	Type		R410A					
Refrigerant Pipe	Gas Side O.D.	In.	1/2		5/8			
	Liquid Side O.D.	In.	1/4		3/8			
RefrigerantPipeLength	Maximum Height Difference	Ft.	100					
	Maximum Piping Length	Ft.	100		165			
ConnectionMethod	Indoor/Outdoor		Flared/Flared					

NOTES: Test conditions are based on AHRI 210/240.
*1. Rating conditions (cooling)-Indoor: D.B. 80º F (27º C), W.B. 67º F (19º C); Outdoor: D.B. 95º F (35º C), W.B. 75º F (24º C).
*2. Rating conditions at 47º F (heating)-Indoor: D.B. 70º F (21º C), W.B. 60º F (16º C); Outdoor: D.B. 47º F (8º C), W.B. 43º F (6º C).
*3. Rating conditions at 17º F (heating)-Indoor: D.B. 70º F (21º C), W.B. 60º F (16º C); Outdoor: D.B. 17º F (-8.3º C), W.B. 15º F (-9º C).

*4. Indoor units receive power from outdoor units through field-supplied interconnected wiring.
*Wind baffles required to operate below 23° F DB in cooling mode. PUZ with wind baffle: 0° F - 115° F.

Specifications are subject to change without notice.

H2i® P-SERIES HEAT PUMP

			Wall-mounted models		Horizontal-ducted models		
Model Name	**Indoor Unit**		**PKA-A30KA7**	**PKA-A36KA7**	**PEAD-A30AA7**	**PEAD-A36AA7**	**PEAD-A42AA7**
	Outdoor Unit		**PUZ-HA30NHA5**	**PUZ-HA36NHA5**	**PUZ-HA30NHA5**	**PUZ-HA36NHA5**	**PUZ-HA42NKA**
Cooling *1	Rated Capacity	Btu/h	30,000	33,500	27,000	33,000	42,000
	Minimum Capacity	Btu/h	18,000	18,000	18,000	18,000	19,000
	Rated Total Input	W	2,500	2,790	2,160	2,640	4,200
	Moisture Removal	Pints/h	8.1	8.7	8.9	7.3	9.0
	Sensible Heat Factor		0.70	0.71	0.67	0.76	0.76
Heating at 47° F *2	Rated Capacity	Btu/h	32,000	38,000	32,000	38,000	48,000
	Minimum Capacity	Btu/h	18,000	18,000	18,000	18,000	21,000
	Rated Power Input	W	2,930	3,410	2,750	3,150	3,800
Heating at 17° F *3	Rated Capacity	Btu/h	19,000	25,000	19,000	27,000	43,000
	Rated Power Input	W	2,560	3,330	2,580	3,250	4,840
Heating at 5° F *4	Maximum Capacity	Btu/h	32,000	38,000	32,000	38,000	48,000
	Maximum Power Input	W	5,770	6,760	5,420	6,100	7,030
Efficiency	SEER		16.5	16.2	16.5	16.8	14.3
	EER *1		12.0	12.0	12.5	12.5	10.0
	HSPF (IV)		9.5	10.0	9.5	10.4	10.8
Electrical	Voltage, Phase, Frequency		1-phase, 60Hz, 208 / 230V *5				
	Guaranteed Voltage Range	V AC	187 - 253				
	Recommended Fuse/Breaker Size	A	30				40
Indoor Unit	MCA	A	1		2.73	3.30	3.50
	Airflow Rate	DRY (CFM)	635-705-775	705-810-920	618-742-883	847-1,024-1,201	1,042-1,254-1,483
		WET (CFM)	570-635-700	635-730-830	578-702-843	807-984-1,161	1,002-1,214-1,443
	External Static Pressure	In. WG	n/a	n/a	0.14-0.20-0.28-0.40-0.60		
	Sound Pressure Level	dB(A)	39-42-45	43-46-49	30-34-39	33-38-42	36-40-44
	Drain Pipe Size	In.	5/8		1-1/4		
	Condensate Lift Mechanism, Maximum Distance	Ft.	n/a		27-9/16		
	External Finish Color		White Munsell 1.0Y 9.2/0.2		Galvanized		
	Dimension Unit	W: In.	46-1/16		43-5/16 (1100)	55-1/8	
		D: In.	11-5/8		28-7/8		
		H: In.	14-3/8		9-7/8		
	Weight Unit	Lbs.	46		69	86	91
Outdoor Unit	MCA	A	28				37
	MOCP	A	40				44
	Airflow Rate	CFM	3,530				3,320
	Refrigerant Control		Linear Expansion Valve				
	Defrost Method		Reverse Cycle				
	Sound Pressure Level at Cooling *1	dB(A)	52		52		49
	Sound Pressure Level at Heating *2	dB(A)	53		53		51
	External Finish Color		Munsell No. 3Y 7.8 / 1.1				
	Dimensions	W: In.	37-3/8		37-3/8		41-3/8
		D: In.	13 + 1-3/16		13 + 1-3/16		
		H: In.	53-1/8		53-1/8		52-11/16
	Weight	Lbs.	265		265		287
Outdoor Unit Operating Temperature Range	Cooling Intake Air Temperature (Maximum / Minimum)	° F	115 DB / 0* DB				
	Heating Intake Air Temperature (Maximum / Minimum)		70 DB, 59 WB / -13 DB, -13 WB				
Refrigerant	Type		R410A				
Refrigerant Pipe	Gas Side O.D.	In.	5/8				
	Liquid Side O.D.	In.	3/8				
Refrigerant Pipe Length	Maximum Height Difference	Ft.	100				
	Maximum Piping Length	Ft.	245				
Connection Method	Indoor/Outdoor		Flared/Flared				

NOTES: Test conditions are based on AHRI 210/240.
*1. Rating conditions (cooling)-Indoor: D.B. 80º F (27º C), W.B. 67º F (19º C); Outdoor: D.B. 95º F (35º C), W.B. 75º F (24º C).
*2. Rating conditions at 47º F (heating)-Indoor: D.B. 70º F (21º C), W.B. 60º F (16º C); Outdoor: D.B. 47º F (8º C), W.B. 43º F (6º C).
*3. Rating conditions at 17º F (heating)-Indoor: D.B. 70º F (21º C), W.B. 60º F (16º C); Outdoor: D.B. 17º F (-8.3º C), W.B. 15º F (-9º C).

*4. Conditions at 5º F (heating)-Indoor: D.B. 70º F (21º C), W.B. 60º F (16º C); Outdoor: D.B. -4º F (-8.3º C), W.B. -5º F (-9º C).

*5. Indoor units receive power from outdoor units through field-supplied interconnected wiring.
*Wind baffles required to operate below 23° F DB in cooling mode. PUZ with wind baffle: 0° F - 115° F.

Specifications are subject to change without notice.

H2i® P-SERIES HEAT PUMP

			Ceiling-suspended models			Ceiling-cassette models		
Model Name	**Indoor Unit**		**PCA-A30KA7**	**PCA-A36KA7**	**PCA-A42KA7**	**PLA-A30EA7**	**PLA-A36EA7**	**PLA-A42EA7**
	Outdoor Unit		**PUZ-HA30NHA5**	**PUZ-HA36NHA5**	**PUZ-HA42NKA**	**PUZ-HA30NHA5**	**PUZ-HA36NHA5**	**PUZ-HA42NKA**
Cooling *1	Rated Capacity	Btu/h	30,000	34,000	42,000	30,000	36,000	36,000
	Minimum Capacity	Btu/h	18,000	18,000	19,000	18,000	18,000	19,000
	Rated Total Input	W	2,480	2,810	4,200	2,400	2,850	4,160
	Moisture Removal	Pints/h	8.3	8.2	11.7	7.2	7.1	10.9
	Sensible Heat Factor		0.69	0.73	0.69	0.73	0.71	0.71
Heating at 47° F *2	Rated Capacity	Btu/h	32,000	38,000	48,000	32,000	38,000	48,000
	Minimum Capacity	Btu/h	18,000	18,000	21,000	18,000	18,000	21,000
	Rated Power Input	W	2,990	3,270	4,150	3,330	3,130	4,560
Heating at 17° F *3	Rated Capacity	Btu/h	19,000	27,000	44,000	19,000	28,000	44,000
	Rated Power Input	W	2,820	3,480	5,480	2,710	3,590	6,050
Heating at 5° F *4	Maximum Capacity	Btu/h	32,000	38,000	48,000	32,000	38,000	48,000
	Maximum Power Input	W	5,830	6,550	7,580	6,460	5,790	7,770
Efficiency	SEER		16.1	16.6	14.5	15.6	17.0	14.8
	EER *1		12.1	12.1	10.0	12.5	12.6	10.1
	HSPF (IV)		9.3	10.3	10.4	9.6	10.2	10.1
Electrical	Voltage, Phase, Frequency		1-phase, 60Hz, 208 / 230V *4					
	Guaranteed Voltage Range	V AC	187 - 253					
	RecommendedFuse/BreakerSize	A	30	30	40	30	30	40
Indoor Unit	MCA	A	1.00	2.00	2.00	1.00	2.00	2.00
	Airflow Rate	DRY (CFM)	565-600-635-705	775-850-920-990	810-885-955-1,025	570-670-780-880	670-850-1020-1200	740-920-1060-1200
		WET (CFM)	530-565-600-670	705-775-850-920	740-810-885-955	530-630-740-840	630-810-980-1160	700-880-1020-1160
	Sound Pressure Level	dB(A)	35-37-39-41	37-39-41-43	39-41-43-45	28-32-35-38	32-37-41-44	34-38-42-45
	Drain Pipe Size	In.	1-1/32			1-1/4		
	Condensate Lift Mechanism, Maximum Distance	Ft.	n/a			33-7/16		
	External Finish Color		White Munsell 6.4Y 8.9/0.4					
	Unit Dimensions // Grille	W: In.	50-3/8	63		33-1/16 // 37-13/32		
		D: In.	26-3/4			33-1/16 // 37-13/32		
		H: In.	9-1/16			11-3/4 // 1-9/16		
	Unit Weight // Grille	Lbs.	71	79	86	56 // 11		
Outdoor Unit	MCA	A	28		37	28		37
	MOCP	A	40		44	40		44
	Airflow Rate	CFM	3,530		3,320	3,530		3,320
	Refrigerant Control		Electronic Expansion Valve					
	Defrost Method		Reverse Cycle					
	SoundPressureLevelatCooling*1	dB(A)	52		49	52		49
	SoundPressureLevelatHeating*2	dB(A)	53		51	53		51
	External Finish Color		Ivory Munsell 3Y 7.8/1.1					
	Dimensions	W: In.	37-3/8		41-3/8	37-3/8		41-3/8
		D: In.	13 + 1-3/16			13 + 1-3/16		
		H: In.	53-1/8		52-11/16	53-1/8		52-11/16
	Weight	Lbs.	265		287	265		287
OutdoorUnitOperating Temperature Range	Cooling Intake Air Temperature (Maximum / Minimum)	° F	115 DB / 0* DB					
	Heating Intake Air Temperature (Maximum / Minimum)		70 DB, 59 WB / -13 DB, -13 WB					
Refrigerant	Type		R410A					
Refrigerant Pipe	Gas Side O.D.	In.	5/8					
	Liquid Side O.D.	In.	3/8					
RefrigerantPipeLength	Maximum Height Difference	Ft.	100					
	Maximum Piping Length	Ft.	245					
ConnectionMethod	Indoor/Outdoor		Flared/Flared					

NOTES: Test conditions are based on AHRI 210/240.
*1. Rating conditions (cooling)-Indoor: D.B. 80° F (27° C), W.B. 67° F (19° C); Outdoor: D.B. 95° F (35° C), W.B. 75° F (24° C).
*2. Rating conditions at 47° F (heating)-Indoor: D.B. 70° F (21° C), W.B. 60° F (16° C); Outdoor: D.B. 47° F (8° C), W.B. 43° F (6° C).
*3. Rating conditions at 17° F (heating)-Indoor: D.B. 70° F (21° C), W.B. 60° F (16° C); Outdoor: D.B. 17° F (-8.3° C), W.B. 15° F (-9° C).

*4. Conditions at 5° F (heating)-Indoor: D.B. 70° F (21° C), W.B. 60° F (16° C); Outdoor: D.B. -4° F (-8.3° C), W.B. -5° F (-9° C).

*5. Indoor units receive power from outdoor units through field-supplied interconnected wiring.
*Wind baffles required to operate below 23° F DB in cooling mode. PUZ with wind baffle: 0° F - 115° F.

Specifications are subject to change without notice.

H2i® P-SERIES HEAT PUMP

Air Handler models

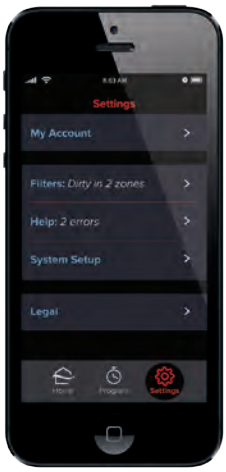
Model Name	Indoor Unit / Outdoor Unit		PVA-A30AA7 / PUZ-HA30NHA5	PVA-A36AA7 / PUZ-HA36NHA5	PVA-A42AA7 / PUZ-HA42NKA
Cooling *1	Rated Capacity	Btu/h	28,500	33,000	42,000
	Minimum Capacity	Btu/h	18,000	18,000	19,000
	Rated Total Input	W	2,280	2,640	4,270
	Moisture Removal	Pints/h	7.0	7.4	7.2
	Sensible Heat Factor		0.70	0.74	0.76
Heating at 47° F *2	Rated Capacity	Btu/h	32,000	38,000	48,000
	Minimum Capacity	Btu/h	18,000	18,000	18,000
	Rated Power Input	W	2,590	3,040	4,010
Heating at 17° F *3	Rated Capacity	Btu/h	22,600	29,000	42,400
	Rated Power Input	W	2,740	3,230	4,990
Heating at 5° F *4	Maximum Capacity	Btu/h	32,000	38,000	48,000
	Maximum Power Input	W	5,320	6,100	7,360
Efficiency	SEER		17.0	17.8	15.3
	EER *1		12.5	12.5	9.8
	HSPF (IV)		9.7	11.0	11.0
Electrical	Voltage, Phase, Frequency		1-phase, 60Hz, 208 / 230V *5		
	Guaranteed Voltage Range	V AC	187 - 253		
	Recommended Fuse/Breaker Size	A	30		40
Indoor Unit	MCA	A	4.13	5.50	5.63
	Airflow Rate	DRY (CFM)	613-744-875	788-956-1125	1040-1262-1485
		WET (CFM)	n/a	n/a	n/a
	External Static Pressure	In. WG	0.30-0.50-0.80		
	Sound Pressure Level	dB(A)	30-34-38		34-38-42
	Drain Pipe Size	In.	3/4 FPT		
	External Finish Color		Galvanized steel cabinet, Powder-coated Slate Gray		
	Dimension Unit	W: In.	21	25	
		D: In.	21-5/8		
		H: In.	54-1/4	59-1/2	
	Weight Unit	Lbs.	141	172	
Outdoor Unit	MCA	A	28		37
	MOCP	A	40		44
	Airflow Rate	CFM	3,530		3,320
	Refrigerant Control		Linear Expansion Valve		
	Defrost Method		Reverse Cycle		
	Sound Pressure Level at Cooling *1	dB(A)	52		49
	Sound Pressure Level at Heating *2	dB(A)	53		51
	External Finish Color		Munsell No. 3Y 7.8 / 1.1		
	Dimensions	W: In.	37-3/8		41-3/8
		D: In.	13 + 1-3/16		
		H: In.	53-1/8		52-11/16
	Weight	Lbs.	265		287
Outdoor Unit Operating Temperature Range	Cooling Intake Air Temperature (Maximum / Minimum)	° F	115 DB / 0* DB		
	Heating Intake Air Temperature (Maximum / Minimum)		70 DB, 59 WB / -13 DB, -13 WB		
Refrigerant	Type		R410A		
Refrigerant Pipe	Gas Side O.D.	In.	5/8		
	Liquid Side O.D.	In.	3/8		
Refrigerant Pipe Length	Maximum Height Difference	Ft.	100		
	Maximum Piping Length	Ft.	245		
Connection Method	Indoor/Outdoor		Flared/Flared		

NOTES: Test conditions are based on AHRI 210/240.
*1. Rating conditions (cooling)-Indoor: D.B. 80º F (27º C), W.B. 67º F (19º C); Outdoor: D.B. 95º F (35º C), W.B. 75º F (24º C).
*2. Rating conditions at 47º F (heating)-Indoor: D.B. 70º F (21º C), W.B. 60º F (16º C); Outdoor: D.B. 47º F (8º C), W.B. 43º F (6º C).
*3. Rating conditions at 17º F (heating)-Indoor: D.B. 70º F (21º C), W.B. 60º F (16º C); Outdoor: D.B. 17º F (-8.3º C), W.B. 15º F (-9º C).

*4. Conditions at 5º F (heating)-Indoor: D.B. 70º F (21º C), W.B. 60º F (16º C); Outdoor: D.B. -4º F (-8.3º C), W.B. -5º F (-9º C).

*5. Indoor units receive power from outdoor units through field-supplied interconnected wiring.
*Wind baffles required to operate below 23° F DB in cooling mode. PUZ with wind baffle: 0° F - 115° F.

Specifications are subject to change without notice.



PAC-USWHS002-WF-1

kumo cloud®

Available at amazon

GET IT ON Google play

Download on the App Store

MANAGE YOUR COMFORT FROM ANYWHERE WITH kumo cloud®

Did you forget to turn off your unit before leaving for vacation? You don't have a worry in the world when you have the kumo cloud app. You can change temperatures, set and store a schedule, and much more from anywhere. It really is comfort made personal.

Anytime, Anywhere Control

kumo cloud gives you the ability to effortlessly control your home's comfort. Whether you're out for the day or the month, looking to cool down or warm up, kumo cloud gives you control from any smart phone, tablet or web browser.

Program and Schedules

kumo cloud walks you through a five-step process to easily schedule the mode, set temperature and fan speed, for an individual zone or for several zones at once.

Easily Zoned

Once your Wireless Interface is installed on your indoor unit by a trained HVAC professional, the indoor unit will discover the app. Name your indoor units, create groups, and organize multiple properties from one user-friendly app. A trained HVAC professional installs a Wireless Interface for each indoor unit.

Check Filter Status

You never have to manually check a filter again. kumo cloud can tell you the status of any filter in your system at any time.

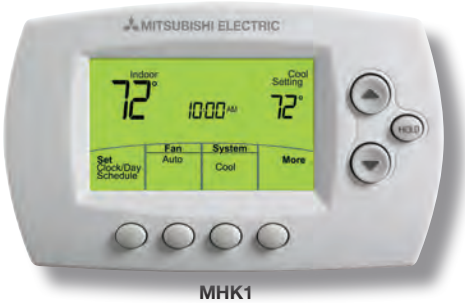
SPECIFICATIONS AND REQUIREMENTS

- Now compatible with M-Series, P-Series and CITY MULTI® systems
- kumo cloud allows for a indoor unit to be controlled remotely or locally with the app and web service
- Web access at **kumocloud.com**
- Ability to group units together and organize groups into sites
- Batch command units
- Ability to program events and scheduling into the unit itself
- Available in Fahrenheit or Celsius
- Smaller size unit
- Easy to connect the device to your router using the kumo cloud app
- Each indoor unit must be equipped with a Wireless Interface (PAC-USWHS002-WF-1) installed by a licensed contractor
- Secure boot to prevent unauthorized reprogramming of Wireless Interface
- Intuitive initial settings feature for M- & P-Series equipment

We offer a wide variety of options when it comes to controlling your comfort.

MHK1 WIRELESS REMOTE CONTROLLER KIT

With the MHK1 Wireless Remote Controller Kit, comfort control has never been easier. It installs anywhere with a simple wall-mounted design, and its large, back-lit screen makes it very easy to read. Operation modes include cool, drying, auto, heat, and fan. And optimal start eliminates the guesswork when setting a schedule. This function allows the remote controller to “learn” how long your your desired comfort level takes to reach the programmed temperature setting, so the temperature is reached at the time you set.



MHK1


MIFH1

The basic MHK1 Wireless Remote Controller Kit includes a Wireless Wall-mounted Remote Controller and a Wireless Receiver located with the indoor wall or ceiling-mounted unit. You may choose to enhance your control convenience and flexibility with an optional Portable Central Controller and Outside Air Sensor.


MCCH1

PORTABLE CENTRAL CONTROLLER

- Up to 16 RedLINK™ devices
- Requires MHK1 per indoor unit
- Monitor and control On/Off, Mode, and Set Temp
- Schedule override capability
- Does not interfere with other wireless devices
- Displays outside air temperature and humidity when used with MOS1


MOS1

OUTSIDE AIR SENSOR

- Monitors outside air temperature and humidity
- Displays on MHK1 Wireless Wall-mount Remote Controller and MCCH1 Portable Central Controller

MHK1 FEATURES

FUNCTION	DESCRIPTION
ON/OFF	On/Off operation for a single indoor unit
Operation Mode	Cool / Drying / Auto / Heat / Fan operation modes dependent on connected system
Temperature Setting	Set temperature from 67° F - 86° F for P-Series
System Changeover Deadband Value	2° F - 8° F
Schedule Operation	5-2, 5-1-1
Optimal Start	Eliminates the guesswork when setting a schedule. Allows the remote controller to "learn" how long your split-zoning system takes to reach the programmed temperature setting, so the temperature is reached at the time you set.
Fan Speed Setting	Hi/Mid-2/Mid-1/Low/Auto Available fan speed settings dependent on connected system
Airflow Direction Setting	Airflow angles: 100°-80°-60°-40° and oscillate available airflow direction settings dependent on connected system
Permit/Prohibit Function	Individual prohibit operations for each remote controller function (ON/OFF, Set Temperature and Operation Mode)
Space Temperature	Displays the measured space temperature
Error Indication	Displays error code
Display Outside Temperature and Humidity	Requires optional MOS1 Outside Air Sensor
Dimensions (W x D x H)	Remote Controller: 5-3/16" x 1-1/2" x 3-9/16" Receiver: 3-1/4" x 1-5/16" x 6-7/16"
Operating Ambient Temperature	Remote Controller: 32° F – 120° F Receiver: -40° F-165° F
Operating Ambient Humidity	Remote Controller: 5%-90% RH (non-condensing) Receiver: 5%-90% RH (non-condensing)
Power Supply	2 AA batteries (included)

Note: MHK1 Compatible with current INVERTER-driven P-Series as noted in data charts.

PAR-33MAA BACK-LIT MA REMOTE CONTROLLER

- Room Temperature: displays room temperature sensed either at the indoor unit (default) or at the remote controller
- Set temperature range limit: from the Back-lit MA Controller, the set temperature range can be reduced for cool and heat modes
- Dimensions: 4-3/4" (w) x 3/4" (d) x 4-3/4" (h) (120 x 19 x 120mm)
- Setting screen for i-see Sensor™ 3D, draft reduction mode

PAC-YT53CRAU SIMPLE MA CONTROLLER

- Controls group operation for up to 16 indoor units in a single group.
- Set temperature range limit: simple MA-allowable set temperature range can be reduced for cool and heat modes
- Room temperature can be sensed either at the indoor unit (default) or at the remote controller
- Dimensions: 2-3/4" (w) x 9/16" (d) x 4-3/4" (h) (70 x 14.5 x 120mm)

PAC-US444CN-1 THERMOSTAT INTERFACE

- Control your system using a third-party thermostat
- Allows for remote temperature monitoring within the indoor unit's zone
- Wires back to indoor unit and replaces the return air temperature sensor
- Maximum wiring length: 39" (12 m)
- Power supplied through the indoor unit (separate power not required)
- Dimensions: 2-3/4" (w) x 5/8" (d) x 4-3/4" (h) (70 x 120 x 15mm)
- Exterior shell made of ABS resin
- Environment Conditions — operating temperature range: -4° to +149° F (-20° to +65° C)

PAC-UKPRC001-CN-1 BACNET® & MODBUS INTERFACE

- Allows for a third-party Building Energy Management System (BEMS) to control a CITY MULTI®, M-Series or P-Series indoor unit
- Monitor and control one indoor unit with one BACnet & Modbus Interface
- Small, compact design
- Works with centralized and remote controllers
- Does not work with MHK1, Thermostat Interface or Wireless Interface
- Home/Commercial automation systems

PAR-FL32MA HAND-HELD WIRELESS CONTROLLER

The PAR-FL32MA provides complete control for all P-Series indoor units. Use requires the PAR-FA32MA receiver installed in the indoor unit. All PKA wall-mounted units have the receiver built-in as standard and do not require the PAR-FA32MA.

Specifications and Requirements:

- On/Off operation for group of up to 16 indoor units
- Cool / Drying / Auto / Heat / Fan Only operating modes (Vary depending on connected system)
- Set temperature from 67° F – 86° F depending on operation mode and connected system
- On/Off timer
- Hi/Mid-2/Mid-1/Low/Auto Fan Speed Setting (vary depending on the connected system)
- Air Flow angles: 100º - 80º - 60º - 40º and oscillate (vary depending on connected system)
- Individual prohibit operations for each remote controller function (ON/OFF, Set Temperature, Operation Mode and Filter reset)
- Displays setpoint temperature only
- Dimensions - (W x D x H) 5-1/8” x 3/4” x 4-3/4”
- Requires 2 AAA batteries

M-NET ADAPTOR

- PAC-SJ19MA-E for PUZ/PUY-A12/18NKA7
- PAC-SF83MA-E for PUZ/PUY-A24/30NHA7, PUZ/PUY-A36/42NKA7, PUZ-HA30/36NHA5, and PUZ-HA42NKA
- Connects P-Series System to the M-NET Control network
- Provides connection and control from Central Control Systems
- Identifies P-Series System with address settings

REMOTE TEMPERATURE SENSOR (PAC-SE41TS-E)

- Allows for remote temperature monitoring within the indoor unit’s zone
- Wires back to indoor unit and replaces the return air temperature sensor
- Maximum wiring length: 39’ (12 m)
- Power supplied through the indoor unit (separate power not required)
- Dimensions: 2-3/4” W x 4-3/4” H x 5/8” D (70 x 120 x 15mm)
- Exterior shell made of ABS resin
- Environment Conditions - Operating temperature range:
  - » -4° to +149° F (-20° to +65° C)
  - » Relative humidity: 30 to 90% (no condensation)
  - » Install in a single-type switch box or directly on a wall
- If combined with environmental measurement controller:
  - » Temperature measurement range: -4° to +149° F (-20° to +65° C)
  - » Measurement resolution: 0.2° F (0.1° C) for 50° to 95° F (10° to 35° C)
  - » 0.9° F (0.5° C) for temperatures outside specified range

CORRECTION FACTORS

COOLING CAPACITY CORRECTION FACTOR (X CAPACITY)

Outdoor Unit	Refrigerant piping length (one way)							
	16 ft	33 ft	70 ft	100 ft	130 ft	165 ft	195 ft	225 ft
PUY-A12/18NKA7	1.00	0.985	0.948	0.916	0.886	0.859	–	–
PUY-A24/30NHA7	1.00	0.988	0.964	0.938	0.915	0.893	0.872	0.855
PUY-A36/42NKA7	1.00	0.985	0.948	0.916	0.886	0.859	0.838	0.818
PUZ-A12/18NKA7	1.00	0.985	0.948	0.916	–	–	–	–
PUZ-A24/30NHA7	1.00	0.988	0.964	0.938	0.915	0.893	–	–
PUZ-A36/42NKA7	1.00	0.985	0.948	0.916	0.886	0.859	–	–

HEATING CAPACITY CORRECTION FACTORS (X CAPACITY)

Outdoor Unit	Refrigerant piping length (one way)					
	16 ft	33 ft	70 ft	100 ft	130 ft	165 ft
PUZ-A12/18NKA7	1.00	0.997	0.991	0.985	–	–
PUZ-A24/30NHA7	1.00	0.997	0.991	0.985	0.979	0.973
PUZ-A36/42NKA7	1.00	0.997	0.991	0.985	0.979	0.973

HYPER-HEATING INVERTER (H2i®)
COOLING CAPACITY CORRECTION FACTORS (X CAPACITY)

Outdoor Unit	Refrigerant piping length (one way)					Refrigerant piping length (one way)				
	16 ft	33 ft	70 ft	100 ft	130 ft	165 ft	180 ft	195 ft	230 ft	245 ft
PUZ-HA30/36NHA5 PUZ-HA42NKA	1.00	0.985	0.957	0.931	0.908	0.886	0.876	0.865	0.846	0.838

HEATING CAPACITY CORRECTION FACTORS (X CAPACITY)

Outdoor Unit	Refrigerant piping length (one way)					Refrigerant piping length (one way)				
	16 ft	33 ft	70 ft	100 ft	130 ft	165 ft	180 ft	195 ft	230 ft	245 ft
PUZ-HA30/36NHA5 PUZ-HA42NKA	1.00	0.997	0.991	0.985	0.979	0.973	0.970	0.967	0.961	0.958

REFRIGERANT LINE LENGTH FLARE/FLARE

INDOOR	OUTDOOR		LENGTH IN FEET	HEIGHT IN FEET
PLA-A12EA7	PUY-A12NKA7(-BS)		165	100
PVA-A12AA7				
PKA-A12HA7				
PEAD-A12AA7				
PLA-A18EA7	PUY-A18NKA7(-BS)		165	100
PVA-A18AA7				
PKA-A18HA7				
PEAD-A18AA7				
PLA-A24EA7	PUY-A24NHA7(-BS)		225	100
PVA-A24AA7				
PKA-A24KA7				
PEAD-A24AA7				
PCA-A24KA7				
PLA-A30EA7	PUY-A30NHA7(-BS)		225	100
PVA-A30AA7				
PKA-A30KA7				
PEAD-A30AA7				
PCA-A30KA7				
PLA-A36EA7	PUY-A36NKA7(-BS)		225	100
PVA-A36AA7				
PKA-A36KA7				
PEAD-A36AA7				
PCA-A24KA7				
PLA-A42EA7	PUY-A42NKA7(-BS)		225	100
PVA-A42AA7				
PEAD-A42AA7				
PCA-A24KA7				
PLA-A12EA7	PUZ-A12NKA7(-BS)		100	100
PVA-A12AA7				
PKA-A12HA7				
PEAD-A12AA7				
PLA-A18EA7	PUZ-A18NKA7(-BS)		100	100
PVA-A18AA7				
PKA-A18HA7				
PEAD-A18AA7				
PLA-A24EA7	PUZ-A24NHA7(-BS)		165	100
PVA-A24AA7				
PKA-A24KA7				
PEAD-A24AA7				
PCA-A24KA7				
PLA-A30EA7	PUZ-A30NHA7(-BS)		165	100
PVA-A30AA7				
PKA-A30KA7				
PEAD-A30AA7				
PCA-A30KA7				
PLA-A36EA7	PUZ-A36NKA7(-BS)		165	100
PVA-A36AA7				
PKA-A36KA7				
PEAD-A36AA7				
PCA-A24KA7				
PLA-A42EA7	PUZ-A42NKA7(-BS)		165	100
PVA-A42AA7				
PEAD-A42AA7				
PCA-A24KA7				
PLA-A30EA7	PUZ-HA30NHA5	YES	245	100
PVA-A30AA7				
PKA-A30KA7				
PEAD-A30AA7				
PCA-A30KA7				
PLA-A36EA7	PUZ-HA36NKA5	YES	245	100
PVA-A36AA7				
PKA-A36KA7				
PEAD-A36AA7				
PCA-A24KA7				
PLA-A42EA7	PUZ-HA42NKA	YES	245	100
PVA-A42AA7				
PEAD-A42AA7				
PCA-A24KA7				

OUTLET AIR SPEED AND COVERAGE RANGE*

MODEL	AIRFLOW (CFM)	AIR SPEED (FT/SEC)	COVERAGE RANGE (FT)
PLA-A12EA7	530	7.8	13
PLA-A18EA7	600	8.8	14
PLA-A24EA7	810	11.9	19
PLA-A30EA7	880	12.9	21
PLA-A36EA7	1200	17.6	28
PLA-A42EA7	1200	17.6	28
PKA-A12HA7	425	20.0	35
PKA-A18HA7	425	20.0	35
PKA-A24KA7	775	19.7	47
PKA-A30KA7	775	19.7	47
PKA-A36KA7	920	22.3	53
PCA-A24KA7	670	10.2	32
PCA-A30KA7	705	10.5	33
PCA-A36KA7	990	11.8	41
PCA-A42KA7	1,025	12.1	42

*Air coverage represents the distance with 0.8 ft/sec air speed when blowing out horizontally from the unit operating at the high fan speed. This is a general guideline; actual coverage depends on size and layout of the room.

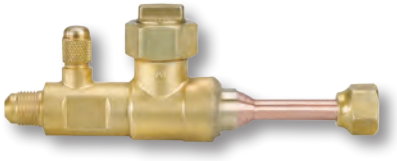
P-SERIES ACCESSORIES

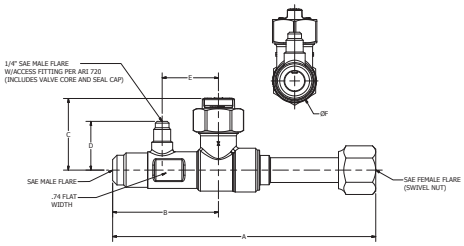
PRODUCT NUMBER	DESCRIPTION	FOR USE WITH
Piping Accessories		
MSDD-50TR-E	Twinning Distribution Pipe (50:50)	PUY/Z-A24/36 and PUZ-HA36
Air Outlet Guides		
PAC-SJ07SG-E	Air Outlet Guide	PUY/Z-A12/18
PAC-SG59SG-E		PUY/Z-A24/30 and PUZ-HA30/36
PAC-SH96SG-E		PUY/Z-A36/42 and PUZ-HA42 Needs 2 Air Outlet Guides
Wind Baffles		
WB-PA3	Front Wind Baffle	PUY/Z-A36/42andPUZ-HA42Needs2Front Wind Baffles
WB-PA4		PUY/Z-A12/18
WB-PA5		PUY/Z-A24/30 and PUZ-HA30/36
WB-RE4	Rear Advanced Wind Baffle	PUY-A12/18
WB-RE5		PUY-A24/30
WB-RE6		PUY-A36/42
WB-SD4	Side Advanced Wind Baffle	PUY-A12/18
WB-SD5		PUY-A24/30
WB-SD6		PUY-A36/42
Hail Guards		
HG-A3	Hail Guard	PUZ-HA30/36NHA5
HG-A2		PUY/Z-A36/42NKA7 and PUZ-HA42NKA
HG-A5		PUY/Z-A12/18NKA7
HG-A6		PUY/Z-A24/30NHA7
Condensate Removal Accessories		
CMA-1 Kit	Condensate Management Kit	PVA-A12/18/24/30/36/42
PAC-SJ08DS-E	Drain socket	PUY/Z-A12/18
PAC-SG61DS-E		PUY/Z-A24/30/36/42andPUZ-HA30/36/42
PAC-SG63DP-E	Centralized Drain Pan	PUY/Z-A12/18
PAC-SG64DP-E		PUY/Z-A24/30 and PUZ-HA30/36
PAC-SH97DP-E		PUY/Z-A24/30/36/42andPUZ-HA30/36/42
PAC-SH84DM-E	Drain Pump	PCA indoor units
DPLS2	Drain Pan Level Sensor	All P-Series indoor units
C21-014	MultiTank Kit	For use with Blue Diamond Pumps
F10-011	Rubber mounting installation pads (2)	For use with Blue Diamond Pumps
X87-711-110	MaxiBlueAdvancedBlueDiamondMini-Condensationpumpw/Reservoir&Sensor (110V) up to 48,000 Btu/h [recommended]	PKA-A12/18HA7 PKA-A24/30/36KA7
X87-721-208/230	MaxiBlueAdvancedBlueDiamondMini-Condensationpumpw/Reservoir&Sensor (208/230V) up to 48,000 Btu/h [recommended]	PKA-A12/18HA7 PKA-A24/30/36KA7
X85-003	MicroBlueBlueDiamondMiniCondensatePump(110/208/230V)upto18,000Btu/h	PKA-A12/18HA7

PRODUCT NUMBER	DESCRIPTION	FOR USE WITH
Condensate Removal Accessories		
T18-016	Fascia Kit for MicroBlue Pump – mounts beneath pump	PKA-A12/18HA7
X87-835	MegaBlue Blue Diamond Condensate Pump (110-230V) up to 170,000 Btu/h	PKA-A12/18HA7 PKA-A24/30/36KA7
C13-103	Extension Cord for Blue Diamond Pump Reservoir Sensor	PKA-A12/18HA7 PKA-A24/30/36KA7
SI30-115	Sauermann Mini-Condensation pump (115V)	PKA-A12/18HA7 PKA-A24/30/36KA7
SI30-230	Sauermann Mini-Condensation pump (230V)	PKA-A12/18HA7 PKA-A24/30/36KA7
4-Way Cassette Accessories		
PAC-SJ37SP-E	Air Outlet Shutter Plates (1set=2 pieces)	PLA indoor units
PAC-SJ41TM-E	Multi-function Casemenet (High-efficiency filter element not included)	PLA indoor units
PAC-SH59KF-E	High-efficiency (MERV 10) Filter Element (Requires PAC-SJ41TM-E Multi-function Casement)	PLA indoor units
Controls Accessories		
PAC-715AD	Remote on/off connector for CN32	All P-Series indoor units
PAC-725AD	Operation status/error, booster fan control for fresh air CN51	All P-Series indoor units
PAC-SE41TS-E	Remote temperature sensor for indoor units	All P-Series indoor units
PAC-SF40RM-E	Remote operation adapter with wire terminals for remote on/off and operation status/error	PCA, PLA, PEAD and PVA indoor units
PAC-SH91MK-E	i-see Sensor Kit	PCA indoor units
PAR-FA32MA	Wireless signal receiver used with PAR-FL32MA	PLA indoor units
PAR-SA92MW-E	Wireless remote controller kit with i-see sensor (includes T7WE13714 wireless remote controller)	PCA indoor units
PAR-SA9FA-E	Wireless signal receiver corner panel for PAR-FL32MA	PLA indoor units
RCMKP1CB	Lockdown bracket for handheld wireless remote controller	All P-Series indoor units
TAZ-MS303	3-pole disconnect switch 30 Amps 600 Volts rated for turning power supply off at indoor unit	All P-Series indoor units
Filters		
PAC-SH90KF-E	High-efficiency (MERV 8) filter element	PCA-A36/42 indoor units
PAC-SH89KF-E	High-efficiency (MERV 8) filter element	PCA-A24/30 indoor units
P-Series Service Tool		
PAC-SK52ST	Control/Service Tool	All P-Series Outdoor Units
Base Heater		
PAC-SJ20BH-E	Base heater	PUZ-HA42

Wall-mount Brackets		
QCWB2000M-1	Wall mounting bracket (powder-coated steel)	All P-Series Outdoor Units
QSWBSS	Wall mounting bracket (316 Series Stainless Steel)	All P-Series Outdoor Units
Controls Accessories		
PAC-SJ19MA-E	M-NET control adapter for Building Management System	PUY/Z-A12/18
PAC-SF83MA-E	M-NET control adapter for Building Management System	PUY/Z-A24/30/36/42
Mounting Pads		
ULTRILITE1	Outdoor Unit Mounting Pad 16" x 36" x 3"	PUY/Z-A12/18
ULTRILITE2	Outdoor Unit Mounting Pad 24" x 42" x 3"	PUY/Z-A24/30/36/42 and PUZ-HA30/36/42
DSD-400N	Outdoor Unit 3-1/4 inch Mounting Base - Pair (Plastic)	All P-Series Outdoor Units
Quick Sling Stands		
QSMS1201M	MiniSplit Mounting Stand-Single Fan models - 12"	PUY/Z-A12/18/24/30
QSMS1801M	MiniSplit Mounting Stand-Single Fan models - 18"	PUY/Z-A12/18/24/30
QSMS2401M	MiniSplit Mounting Stand-Single Fan models - 24"	PUY/Z-A12/18/24/30
QSMS1202M	MiniSplit Mounting Stand-Dual Fan models - 12"	PUY/Z-A36/42 and PUZ-HA30/36/42
QSMS1802M	MiniSplit Mounting Stand-Dual Fan models - 18"	PUY/Z-A36/42 and PUZ-HA30/36/42
QSMS2402M	MiniSplit Mounting Stand-Dual Fan models - 24"	PUY/Z-A36/42 and PUZ-HA30/36/42
Diamondback Linesets		
MLS141212T-15	1/4 x 1/2 x 15' / 1/2" Lineset (Twin-Tube Insulation)	PUY/Z-A12/18
MLS141212T-30	1/4 x 1/2 x 30' / 1/2" Lineset (Twin-Tube Insulation)	PUY/Z-A12/18
MLS141212T-50	1/4 x 1/2 x 50' / 1/2" Lineset (Twin-Tube Insulation)	PUY/Z-A12/18
MLS141212T-65	1/4 x 1/2 x 65' / 1/2" Lineset (Twin-Tube Insulation)	PUY/Z-A12/18
MLS141212T-100	1/4 x 1/2 x 100' / 1/2" Lineset (Twin-Tube Insulation)	PUY/Z-A12/18
MPLS385812T-10	3/8 x 5/8 x 10' / 1/2" Lineset (Twin-Tube Insulation)	PUY/Z-A24/36/42 and PUZ-HA30/36/42
MPLS385812T-15	3/8 x 5/8 x 15' / 1/2" Lineset (Twin-Tube Insulation)	PUY/Z-A24/36/42 and PUZ-HA30/36/42
MPLS385812T-30	3/8 x 5/8 x 30' / 1/2" Lineset (Twin-Tube Insulation)	PUY/Z-A24/36/42 and PUZ-HA30/36/42
MPLS385812T-50	3/8 x 5/8 x 50' / 1/2" Lineset (Twin-Tube Insulation)	PUY/Z-A24/36/42 and PUZ-HA30/36/42
MPLS385812T-65	3/8 x 5/8 x 65' / 1/2" Lineset (Twin-Tube Insulation)	PUY/Z-A24/36/42 and PUZ-HA30/36/42
MPLS385812T-100	3/8 x 5/8 x 100' / 1/2" Lineset (Twin-Tube Insulation)	PUY/Z-A24/36/42 and PUZ-HA30/36/42

BALL VALVES





DIAMONDBACK™ BV-SERIES BALL VALVES

Diamondback BV-Series ball valves include the following features:

- Engineered for mini-split and multi-split HVAC units
- Full port design
- 700 PSIG rated
- Flare connections

Other important information:

- Size available: 1/4", 3/8", 1/2", 5/8"
- Fully factory assembled
- Furnace brazed and pressure tested
- Each ball valve is equipped with Schrader® Valve for refrigerant service
- Temperature range: -40˚ F to +325˚ F (-40˚ C to +149˚ C)
- Forged brass body and seal cap
- Polytetrafluroethylene (PTFE) seals and gaskets (no synthetic O-rings)
- Seal cap design permits valve operation without removal of seal cap
- One-year limited materials and workmanship warranty on ball valves

Part Number	SAE Flare	A	B	C	D	E	F
BV14FFSI2	1/4"	6.26	2.67	1.81	1.23	1.42	1.10
BV38FFSI2	3/8"	6.30	2.67	1.81	1.23	1.42	1.10
BV12FFSI2	1/2"	6.51	2.67	1.81	1.23	1.42	1.10
BV58FFSI2	5/8"	6.64	2.67	1.81	1.23	1.42	1.10

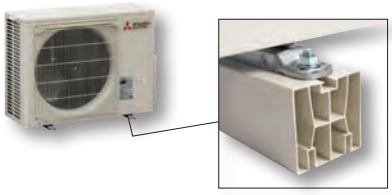
∗ Ball valves come with an insulation piece.

PLATFORM STANDS

DIAMONDBACK PLATFORM STANDS

Lift the outdoor unit to new heights.

- Easy to install
- Available for all sizes of mini-split or multi-split systems
- Color matched to the outdoor units
- One-year warranty
- Great for raising heat pumps



Model DSD-400N
L: 15 3/4"
W: 3 1/4"
H: 3 1/4"

QUICKSLING STANDS

Strong and reliable, Mini-Split Stands are the mount of choice for all P-Series Outdoor Units. Quick and easy to assemble, Mini-Split Stands are manufactured with heavy gauge, high-grade steel featuring a color-matched thermally fused polyester powder coat finish that meets ASTM D3451-06 standards. Each MiniSplit Stand is provided with galvanized mounting hardware and meets all ASCE 7 overturning safety requirements, leading to a long service life. Designed and manufactured in the United States, MiniSplit Stands set the standard for pre-engineered P-Series outdoor unit mounting systems.

P-Series Mini-Split Stands						
P-Series Outdoor Units	QSMS1201M	QSMS1202M	QSMS1801M	QSMS1802M	QSMS2401M	QSMS2402M
PUY/Z-A12NKA7	X		X		X	
PUY/Z-A18NKA7	X		X		X	
PUY/Z-A24NHA7	X		X		X	
PUY/Z-A30NHA7	X		X		X	
PUY/Z-A36NKA7	X		X		X	
PUY/Z-A42NKA7		X		X		X
PUZ-HA30NHA5		X		X		X
PUZ-HA36NHA5		X		X		X
PUZ-HA42NKA		X		X		X

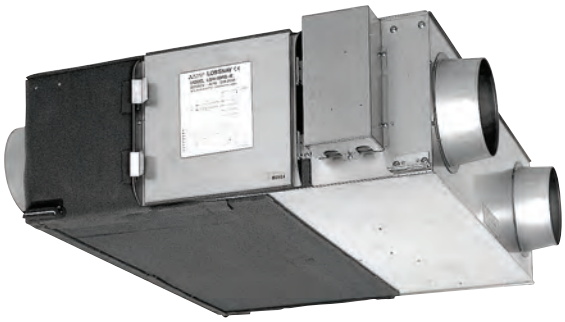
LINE-HIDE™
Lineset Cover System

Put a professional finish on air-conditioning installations with an easy-to-install modular system that beautifies exteriors and protects linesets, drainlines, and wiring.

- Can be used indoors, too! Meets UL94v-0 for interior applications
- Has snap-on covers and a full selection of couplings, elbows, T-joints, caps, and more for any application: complex or simple
- Offers high-quality PVC with UV inhibitors for outdoor service in all weather conditions
- Can be painted with most house paints to match exterior decors
- Is not just for HVAC—Hides any exterior cabling, piping, or wiring
- Is available in four sizes: 3", 4", and 6" tubes
- One-year warranty

Download a brochure at www.line-hide.com to find out more information.

Lossnay



Improved sound attenuation makes Lossnay® units quiet enough for places where silence is a must such as meeting rooms and libraries. A free-cooling function is standard to help reduce costs and boost efficiency. The integrated bypass damper design makes installation and system management quick and efficient. Utilize the Lossnay Controller to provide occupants with control over their comfort. Lossnay models offer three ventilation modes:

- Energy Recovery - Heat Exchange
- Bypass - No Exchange
- Auto - Heat Exchange/Bypass

Model	CFM	Model	CFM
LGH-F300RX5-E1	300	LGH-F470RX5-E1	470
LGH-F600RX5-E1	600	LGH-F1200RX5-E1	1,200

PZ-60DR-E
Lossnay® Controller

PZ-43SMF-E
Lossnay® Controller

Printed in the USA

For more information visit

www.trane.com/ductless

MS-SLB073-EN | 07.2018