MITSUBISHI ELECTRIC
COOLING & HEATING

P-SERIES FULL LINE CATALOG

COMMERCIAL-GRADE APPLICATIONS

*Smart, Efficient **INVERTER-driven***
Ductless and Ducted Comfort Systems

TAKE A CLOSER LOOK AT THE **P-SERIES** LIGHT COMMERCIAL SYSTEMS FROM **MITSUBISHI ELECTRIC** COOLING AND HEATING

INVEST IN THE ULTIMATE LIGHT COMMERCIAL HVAC TECHNOLOGY.

For more than 30 years, Mitsubishi Electric has been a leader in the United States in providing the most energy-efficient, environmentally friendly HVAC products.

Mitsubishi Electric's 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 is 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, Mitsubishi Electric systems also offer the unique ability to condition only those spaces in use at any given time.

Mitsubishi Electric's 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 Mitsubishi Electric 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.

QUALITY

Mitsubishi Electric is consistently recognized by HVAC contractors as the #1 preferred ductless brand with the highest quality rating among manufacturers. Our products provide extraordinary service life extending years beyond the norm.

EXPLORE **Performance**

Mitsubishi Electric delivers 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 Mitsubishi Electric regional training centers across the US.

AMERICA'S #1 SELLING BRAND OF DUCTLESS TECHNOLOGY

Are Mitsubishi Electric P-Series Systems Truly Environmentally Friendly for Commercial Duty?

Count on Mitsubishi Electric to set the standard for making ecologically responsible systems that minimize the impact both on the environment and on your customer's carbon footprint.

The fact that up to 83% of our components are recyclable is just the beginning of our commitment. Mitsubishi Electric has more systems today that are ENERGY STAR® certified than ever before. Federal and state government plus utility companies may provide tax credits and rebate opportunities for energy-efficient systems. Check to see what is available in your area by visiting www.dsireusa.org.

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Commercial-grade HVAC Applications?

Rely on Mitsubishi Electric's rugged, efficient P-Series systems to deliver maximum personalized comfort control plus energy savings for any light commercial application.

P-Series systems are backed with reliable technical and application support from Mitsubishi Electric Cooling and Heating. 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 commercial applications:

- Small or Large Office
- Conference Rooms
- Server/Equipment Room
- Retail Shop
- Restaurant Kitchen
- Fitness Center
- Day Care
- Classroom
- Critical service, high reliability locations
- Low ambient cooling to -20° F


PCA Indoor Unit
PKA Indoor Unit
PLA Indoor unit
PEAD Indoor Unit
PUY/Z Outdoor Units
PLA 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.

Quality construction in every Mitsubishi Electric 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 US 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

* Select units with optional accessories added

Highly efficient Mitsubishi Electric INVERTER-driven compressors for models PUY/Z (A18/24/30/36) and PUY (A12) are DC twin-rotor type. The compressor for model PUY/Z (A42) is a Mitsubishi Electric 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.

Electronic linear expansion valves are employed to meter precisely and adapt the refrigerant flow continuously, ensuring exact capacity delivery. Mitsubishi Electric 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-NHA6
Cooling-only and Heat Pump

12,000 to
18,000 Btu/h

24,000 to
36,000 Btu/h

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 Mitsubishi Electric 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 maybe 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™ and RedLINK™ Technology.

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 PEA/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 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 PEA/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.

Select PUY Cooling only units (excluding PUY-A42NHA6) can provide full capacity performance down to -20° F with additional advanced wind baffles.

P-SERIES PRODUCT FAMILY

In Mitsubishi Electric's P-Series, Five Types of High-Performance Indoor Units 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

12,000-34,200 Btu/h

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

PLA Ceiling-recessed Air Conditioners and Heat Pumps

12,000-42,000 Btu/h

- Space-efficient ductless installation.
- Built-in condensate lift mechanism.
- Knockouts for ventilation air and branch duct run.
- Optional i-see Sensor™ for precise temperature control.
- Easy-clean, washable filter (optional high-efficiency filter available.)
- Controller Options: wall-mounted or hand-held wireless and wired.
- Ideal for intermediate retail shops, classrooms, office 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.
- Ductless installation.
- Knockout for ventilation air.
- Optional i-see Sensor™ for precise temperature control.
- Controller Options: wall-mounted wireless, hand-held wireless or wired.
- Easy-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.

PEA/PEAD Horizontal-ducted Air Conditioners and Heat Pumps

12,000-42,000 Btu/h

- Unobtrusive concealed design for use with short-run ductwork.
- 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 *30,000- 42,000 Btu/h*

- Multi-position ducted air handler provides a solution to cool and heat a large zone.
- Flexible design requires no additional kits for downflow configuration.
- Durable, powder coated cabinet.
- Compatible with PUZ H2i® outdoor units only.
- Controller options: Wall-mounted wireless hand-held, wireless, or wired.
- Ideal for installation in tight spaces, including larger classrooms, offices, hotel rooms, and more.

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 handheld 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

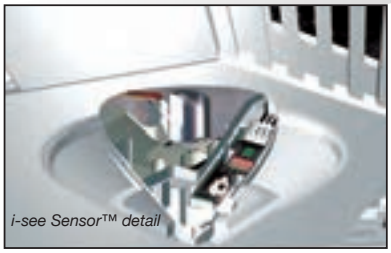
Four different airflow positions can be set through the use of the wired remote controller. The AUTO vane feature, when in use during cooling, permits the angle to self-adjust into a horizontal position and circulate cold air more effectively. During heating, the vane directs the hot air downward toward 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™ OPTIONAL ACCESSORY

In addition to the return air temperature sensor, the PLA-A**BA four-way ceiling cassette 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.

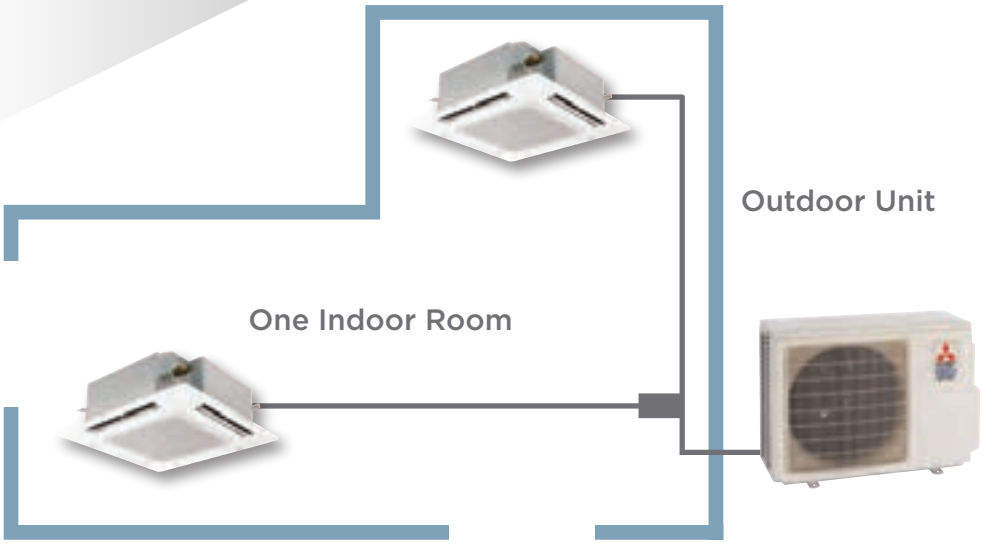
i-see Sensor

Multi-function Casement with optional filter and additional outdoor air supply



i-see Sensor™ detail

i-see Sensor Accessory also available for PCA indoor units.



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 but do not need to be the same type as long as the capacities are the same. Twinning also requires the use of one PAR-32MAA controller -- it will control both indoor units and must be located in the conditioned space.

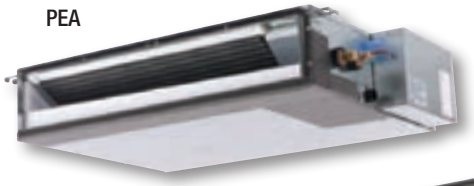
Piping Limitations are:

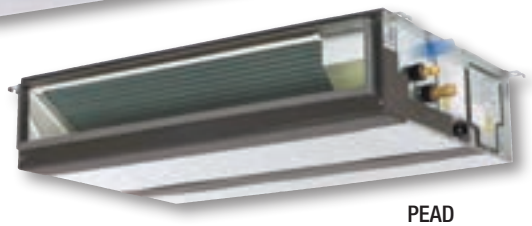
- PUY/Z-A24 & A36: Max combined total of 165 ft.
- PUZ-HA36: Max combined limit of 245 ft.
- The vertical difference between the indoor units must not exceed 3 ft.

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.

PEA





PEAD

PEA and 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.

With features like a built-in condensate lift mechanism, adjustable static pressure, multiple fan speeds, DRY Mode, and an operating sound as low as 23 dB(A), the PEA and PEAD systems expand the number of application possibilities.

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

H2i® LIGHT COMMERCIAL SOLUTIONS

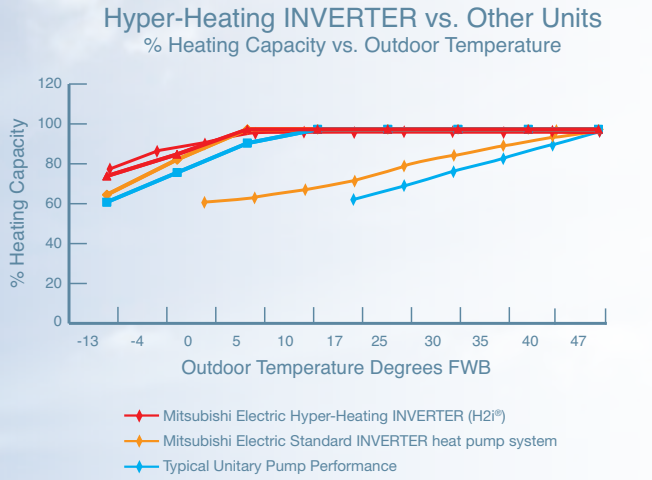
It's below freezing outside? No sweat. The P-Series Hyper-Heating INVERTER systems work to provide the perfect temperature inside. It's all possible thanks to our responsive INVERTER compressor and patented flash injection technology. Even at -13° F, heating is possible. These light commercial solutions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

(PUZ-HA)

P-SERIES (PUZ-HA) FEATURES

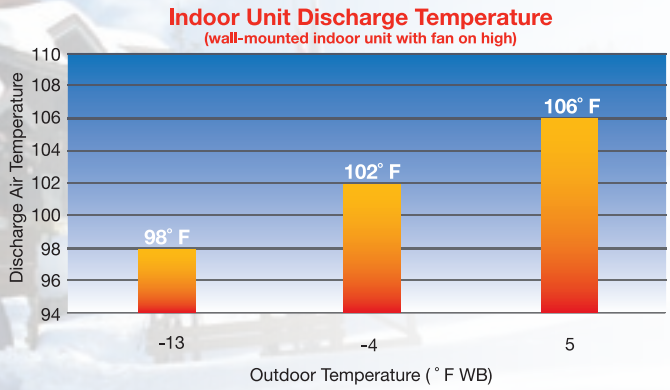
- Auto Cooling/Heating Changeover.
- Twinning of Two Indoor Units (36,000 Btu/h only).
- Automatic restart provides peace of mind and ease of use in the event of power outage.
- Line lengths up to 245 ft.
- Hot start process means warm airflow from the start.

(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-HA30NHA4

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	1.41	1.61	1.73	1.71

PUZ-HA36NHA4

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	1.90	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	1.79	1.85	1.70

(PKA-A30KA6 MODEL SHOWN)

PKA COOLING-ONLY

BS = Seacoast Protection

Model Name	Indoor Unit		PKA-A12HA6	PKA-A18HA6	PKA-A24KA6	PKA-A30KA6	PKA-A36KA6
	Outdoor Unit		PUY-A12NHA6 (-BS)	PUY-A18NHA6 (-BS)	PUY-A24NHA6 (-BS)	PUY-A30NHA6 (-BS)	PUY-A36NHA6 (-BS)
Cooling *1	Rated Capacity	Btu/h	12,000	18,000	24,000	30,000	34,200
	Capacity Range	Btu/h	6,000-12,000	8,000-18,000	12,000-24,000	12,000-30,000	12,000-34,200
	Rated Total Input	W	1,190	2,240	2,270	4,130	5,030
	Energy Efficiency	SEER	15.2	15.3	17.0	15.5	14.0
	Moisture Removal	Pints/h	2.0	5.2	5.0	8.1	9.2
	Sensible Heat Factor		0.81	0.68	0.77	0.70	0.70
Power Supply	Phase, Cycle, Voltage		1-phase, 60Hz, 208 / 230V *2				
Voltage	Indoor - Outdoor S1 - S2		AC 208 / 230V				
	Indoor - Outdoor S2 - S3		DC ± 24V				
Indoor Unit	MCA	A	1				
	Blower Motor (ECM)	F.L.A.	0.33		0.36		0.57
	Blower Motor Output	W	30		56		
	Airflow (Lo-Mid-Hi)	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 (Lo-Mid-Hi)	dB(A)	36-40-43		39-42-45		43-46-49
	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		
	Field Drainpipe Size I.D.	In.	5/8				
Outdoor Unit	MCA	A	13		18	25	
	Recommended Fuse/Breaker Size	A	15		25	30	
	MOCP	A	15	20	30	40	
	Fan Motor (ECM)	F.L.A.	0.35		0.75		
	Fan Motor Output	W	40		75		
	Compressor	Model (Type)	DC INVERTER-driven Twin Rotary				
		R.L.A.	12				
		L.R.A.	14		17.5		
	Airflow	CFM	1,200		1,940		
	Refrigerant Control		Linear Expansion Valve				
	Sound Pressure Level at Cooling *1	dB(A)	46	48			
	External Finish Color		Munsell No. 3Y 7.8 / 1.1				
	Dimensions	W: In.	31-1/2		37-3/8		
		D: In.	11-13/16 + 7/8		13 + 1-3/16		
		H: In.	23-5/8		37-1/8		
	Weight	Lbs.	82	89	163		
Refrigerant	Type		R410A				
	Charge	Lbs., oz.	2, 14	3, 12	6, 10		
	Oil	Type (fl. oz.)	FV50S (20)		FV50S (28)		
Refrigerant Pipe	Gas Side O.D.	In.	1/2		5/8		
	Liquid Side O.D.	In.	1/4		3/8		
Refrigerant Pipe Length	Height Difference (Max.)	Ft.	100				
	Length (Max.)	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.

Specifications are subject to change without notice.

LIMITED WARRANTY | Seven-year warranty on compressor. Five-year warranty on parts.

(PKA-A30KA6 MODEL SHOWN)

PKA HEAT PUMP

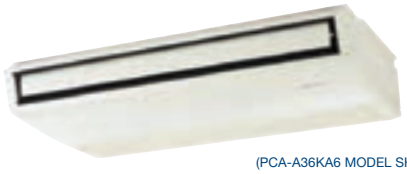
BS = Seacoast Protection

Model Name	Indoor Unit / Outdoor Unit		PKA-A18HA6 / PUZ-A18NHA6 (-BS)	PKA-A24KA6 / PUZ-A24NHA6 (-BS)	PKA-A30KA6 / PUZ-A30NHA6 (-BS)	PKA-A36KA6 / PUZ-A36NHA6 (-BS)
Cooling *1	Rated Capacity	Btu/h	18,000	24,000	30,000	34,200
	Capacity Range	Btu/h	8,000-18,000	12,000-24,000	12,000-30,000	12,000-34,200
	Rated Total Input	W	2,240	2,270	4,130	5,030
	Energy Efficiency	SEER	15.3	17.0	15.5	14.0
	Moisture Removal	Pints/h	5.2	5.0	8.1	9.2
	Sensible Heat Factor		0.68	0.77	0.70	0.70
Heating at 47° F *2	Rated Capacity	Btu/h	19,000	26,000	32,000	37,000
	Capacity Range	Btu/h	8,000-20,000	12,000-28,000	12,000-34,000	12,000-38,000
	Rated Total Input	W	1,970	2,330	3,150	3,610
	HSPF (IV)	Btu/h/W	9.5	10.8	8.9	9.3
Heating at 17° F *3	Rated Capacity	Btu/h	13,000	18,000	23,000	25,000
	Rated Total Input	W	1,670	2,200	2,850	3,030
Power Supply	Phase, Cycle, Voltage		1-phase, 60Hz, 208 / 230V *4			
Voltage	Indoor - Outdoor S1 - S2		AC 208 / 230V			
	Indoor - Outdoor S2 - S3		DC ± 24V			
Indoor Unit	MCA	A	1			
	Blower Motor (ECM)	F.L.A.	0.33	0.36		0.57
	Blower Motor Output	W	30	56		
	Airflow (Lo-Mid-Hi)	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 (Lo-Mid-Hi)	dB(A)	36-40-43	39-42-45		43-46-49
	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		
	Field Drainpipe Size I.D.	In.	5/8			
Outdoor Unit	MCA	A	13	18	25	
	Recommended Fuse/Breaker Size	A	15	25	30	
	MOCP	A	20	30	40	
	Fan Motor (ECM)	F.L.A.	0.35	0.75		
	Fan Motor Output	W	40	75		
	Compressor	Model (Type)	DC INVERTER-driven Twin Rotary			
		R.L.A.	12			
		L.R.A.	14		17.5	
	Airflow	CFM	1,200	1,940		
	Refrigerant Control		Linear Expansion Valve			
	Defrost Method		Reverse Cycle			
	Sound Pressure Level at Cooling *1	dB(A)	48			
	Sound Pressure Level at Heating *2	dB(A)	47	50		
	External Finish Color		Munsell No. 3Y 7.8 / 1.1			
	Dimensions	W: In.	31-1/2	37-3/8		
		D: In.	11-13/16 +7/8	13 + 1-3/16		
		H: In.	23-5/8	37-1/8		
	Weight	Lbs.	91	165		
Refrigerant	Type		R410A			
	Charge	Lbs., oz.	3, 12	6, 10		
	Oil	Type (fl. oz.)	FV50S (20)	FV50S (28)		
Refrigerant Pipe	Gas Side O.D.	In.	1/2	5/8		
	Liquid Side O.D.	In.	1/4	3/8		
Refrigerant Pipe Length	Height Difference (Max.)	Ft.	100			
	Length (Max.)	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. 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 (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 (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.

Specifications are subject to change without notice.

LIMITED WARRANTY | Seven-year warranty on compressor. Five-year warranty on parts.



(PCA-A36KA6 MODEL SHOWN)

PCA COOLING-ONLY

BS = Seacoast Protection

Model Name	Indoor Unit		PCA-A24KA6	PCA-A30KA6	PCA-A36KA6	PCA-A42KA6
	Outdoor Unit		PUY-A24NHA6 (-BS)	PUY-A30NHA6 (-BS)	PUY-A36NHA6 (-BS)	PUY-A42NHA6 (-BS)
Cooling *1	Rated Capacity	Btu/h	24,000	30,000	35,000	42,000
	Capacity Range	Btu/h	12,000-24,000	12,000-30,000	12,000-35,000	18,000-42,000
	Rated Total Input	W	2,340	3,760	4,630	4,110
	Energy Efficiency	SEER	16.8	14.5	14.4	15.8
	Moisture Removal	Pints/h	5.8	8.3	8.5	11.7
	Sensible Heat Factor		0.73	0.69	0.73	0.69
Power Supply	Phase, Cycle, Voltage		1-phase, 60Hz, 208 / 230V *2			
Voltage	Indoor - Outdoor S1 - S2		AC 208 / 230V			
	Indoor - Outdoor S2 - S3		DC ± 24V			
Indoor Unit	MCA	A	1		2	
	Blower Motor (ECM)	F.L.A.	0.54		0.97	
	Blower Motor Output	W	95		160	
	Airflow (Lo-M1-M2-Hi)	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 (Lo-M1-M2-Hi)	dB(A)	33-35-37-40	35-37-39-41	37-39-41-43	39-41-43-45
	External Finish Color		Munsell No. 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
	Field Drainpipe Size I.D.	In.	1-1/32			
Outdoor Unit	MCA	A	18	25		26
	Recommended Fuse/Breaker Size	A	25	30		
	MOCP	A	30	40		
	Fan Motor (ECM)	F.L.A.	0.75			0.4+0.4
	Fan Motor Output	W	75			86+86
	Compressor	Model (Type)	DC INVERTER-driven Twin Rotary			
		R.L.A.	12			20
		L.R.A.	14	17.5		27.5
	Airflow	CFM	1,940			3,530
	Refrigerant Control		Linear Expansion Valve			
	Sound Pressure Level at Cooling *1	dB(A)	48			51
	External Finish Color		Munsell No. 3Y 7.8 / 1.1			
	Dimensions	W: In.	37-3/8			
		D: In.	13 + 1-3/16			
		H: In.	37-1/8			53-1/8
	Weight	Lbs.	163			247
Refrigerant	Type		R410A			
	Charge	Lbs., oz.	6,10			10
	Oil	Type (fl. oz.)	FV50S (28)			FV50S (45)
Refrigerant Pipe	Gas Side O.D.	In.	5/8			
	Liquid Side O.D.	In.	3/8			
Refrigerant Pipe Length	Height Difference (Max.)	Ft.	100			
	Length (Max.)	Ft.	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.

Specifications are subject to change without notice.

LIMITED WARRANTY | Seven-year warranty on compressor. Five-year warranty on parts.

(PCA-A36KA6 MODEL SHOWN)

INVERTER

R410A

PCA HEAT PUMP

BS = Seacoast Protection

Model Name	Indoor Unit		PCA-A24KA6	PCA-A30KA6	PCA-A36KA6	PCA-A42KA6
	Outdoor Unit		PUZ-A24NHA6 (-BS)	PUZ-A30NHA6 (-BS)	PUZ-A36NHA6 (-BS)	PUZ-A42NHA6 (-BS)
Cooling *1	Rated Capacity	Btu/h	24,000	30,000	35,000	42,000
	Capacity Range	Btu/h	12,000-24,000	12,000-30,000	12,000-35,000	18,000-42,000
	Rated Total Input	W	2,340	3,760	4,630	4,110
	Energy Efficiency	SEER	16.8	14.5	14.4	15.8
	Moisture Removal	Pints/h	5.8	8.3	8.5	11.7
	Sensible Heat Factor		0.73	0.69	0.73	0.69
Heating at 47° F *2	Rated Capacity	Btu/h	26,000	32,000	37,000	45,000
	Capacity Range	Btu/h	12,000-28,000	12,000-34,000	12,000-38,000	18,000-48,000
	Rated Total Input	W	2,310	3,210	3,190	3,830
	HSPF (IV)	Btu/h/W	10.9	9.2	10.2	10.2
Heating at 17° F *3	Rated Capacity	Btu/h	18,000	23,000	25,000	30,000
	Rated Total Input	W	2,200	2,940	2,800	3,820
Power Supply	Phase, Cycle, Voltage		1-phase, 60Hz, 208 / 230V *4			
Voltage	Indoor - Outdoor S1 - S2		AC 208 / 230V			
	Indoor - Outdoor S2 - S3		DC ± 24V			
Indoor Unit	MCA	A	1		2	
	Recommended Fuse/Breaker Size	A	25	30		
	Blower Motor (ECM)	F.L.A.	0.54		0.97	
	Blow Motor Output	W	95		160	
	Airflow (Lo-M1-M2-Hi)	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 (Lo-M1-M2-Hi)	dB(A)	33-35-37-40	35-37-39-41	37-39-41-43	39-41-43-45
	External Finish Color		Munsell No. 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
	Field Drainpipe Size I.D.	In.	1-1/32			
Outdoor Unit	MCA	A	18	25		26
	MOCP	A	30	40		
	Fan Motor (ECM)	F.L.A.	0.75			0.4 + 0.4
	Fan Motor Output	W	75			86 + 86
	Compressor	Model (Type)	DC INVERTER-driven Twin Rotary			INVERTER-driven Scroll
		R.L.A.	12			20
		L.R.A.	14	17.5		27.5
	Airflow	CFM	1,940			3,530
	Refrigerant Control		Linear Expansion Valve			
	Defrost Method		Reverse Cycle			
	Sound Pressure Level at Cooling *1	dB(A)	48			51
	Sound Pressure Level at Heating *2	dB(A)	50			55
	External Finish Color		Munsell N o. 3Y 7.8 / 1.1			
	Dimensions	W: In.	37-3/8			
		D: In.	13 + 1-3/16			
		H: In.	37-1/8			53-1/8
	Weight	Lbs.	165			251
Refrigerant	Type		R410A			
	Charge	Lbs., oz.	6, 10			10
	Oil	Type (fl. oz.)	FV50S (28)			FV50S (45)
Refrigerant Pipe	Gas Side O.D.	In.	5/8			
	Liquid Side O.D.	In.	3/8			
Refrigerant Pipe Length	Height Difference (Max.)	Ft.	100			
	Length (Max.)	Ft.	165			
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 (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 (heating)-Indoor: D.B. 70º F (21º C), W.B. 60º F (16º C); Outdoor: D.B. 17º F (-8º C), W.B. 15º F (-9º C).
*4. Indoor units receive power from outdoor units through field-supplied interconnected wiring.

Specifications are subject to change without notice.

LIMITED WARRANTY | Seven-year warranty on compressor. Five-year warranty on parts.

(PLA-A36BA6 MODEL SHOWN
WITH OPTIONAL i-see SENSOR™)

PLA COOLING-ONLY

BS = Seacoast Protection

Model Name	Indoor Unit		PLA-A12BA6	PLA-A18BA6	PLA-A24BA6	PLA-A30BA6	PLA-A36BA6	PLA-A42BA6
	Outdoor Unit		PUY-A12NHA6 (-BS)	PUY-A18NHA6 (-BS)	PUY-A24NHA6 (-BS)	PUY-A30NHA6 (-BS)	PUY-A36NHA6 (-BS)	PUY-A42NHA6 (-BS)
Cooling *1	Rated Capacity	Btu/h	12,000	18,000	24,000	30,000	35,000	42,000
	Capacity Range	Btu/h	6,000-12,000	8,000-18,000	12,000-24,000	12,000-30,000	12,000-35,000	18,000-42,000
	Rated Total Input	W	1,260	1,940	2,500	4,100	4,500	4,600
	Energy Efficiency	SEER	14.0	14.2	14.0		14.2	14.4
	Moisture Removal	Pints/h	1.7	3.0	5.1	7.2	8.1	10.9
	Sensible Heat Factor		0.84	0.81	0.76	0.73	0.74	0.71
Power Supply	Phase, Cycle, Voltage		1-phase, 60Hz, 208 / 230V *2					
Voltage	Indoor - Outdoor S1 - S2		AC 208 / 230V					
	Indoor - Outdoor S2 - S3		DC ± 24V					
Indoor Unit	MCA	A	1				2	
	Fan Motor (ECM)	F.L.A.	0.51				1.00	
	Fan Motor Output	W	50				120	
	Airflow (Lo-M1-M2-Hi)	DRY (CFM)	390-420-460-530	420-490-570-640		490-570-640-740	710-810-920-1,060	780-880-990-1,090
		WET (CFM)	350-390-420-490	390-460-530-600		460-530-600-710	670-770-880-1,030	740-850-950-1,060
	Sound Pressure Level (Lo-M1-M2-Hi)	dB(A)	27-28-29-31	28-29-31-32		28-30-32-34	32-34-37-40	34-36-39-41
	External Finish Color (Panel)		Munsell No. 6.4Y 8.9 / 0.4					
	Dimension Unit (Panel)	W: In.	33-1/16 (37-3/8)					
		D: In.	33-1/16 (37-3/8)					
		H: In.	10-3/16 (1-3/8)				11-3/4 (1-3/8)	
	Weight Unit (Panel)	Lbs.	49 (13)		51 (13)		55 (13)	
	Drain Lift Mechanism (Included)	H: In.	33-7/16					
	Field Drainpipe Size O.D.	In.	O.D. 1-1/4					
Outdoor Unit	MCA	A	13		18	25		26
	Recommended Fuse/ Breaker Size	A	15		25	30		
	MOCP	A	15	20	30	40		
	Fan Motor (ECM)	F.L.A.	0.35		0.75			0.4+0.4
	Fan Motor Output	W	40		75			86+86
	Compressor	Model (Type)	DC INVERTER-driven Twin Rotary					
		R.L.A.	12					20
		L.R.A.	14			17.5		27.5
	Airflow	CFM	1,200		1,940			3,530
	Refrigerant Control		Linear Expansion Valve					
	Sound Pressure Level at Cooling *1	dB(A)	46	48				51
	External Finish Color		Munsell No. 3Y 7.8 / 1.1					
	Dimensions	W: In.	31-1/2		37-3/8			
		D: In.	11-13/16+ 7/8		13 + 1-3/16			
		H: In.	23-5/8		37-1/8			53-1/8
	Weight	Lbs.	82	89	163			247
Refrigerant	Type		R410A					
	Charge	Lbs., oz.	2,14	3, 12	6, 10			10
	Oil	Type (fl. oz.)	FV50S (20)		FV50S (28)			FV50S (45)
Refrigerant Pipe	Gas Side O.D.	In.	1/2		5/8			
	Liquid Side O.D.	In.	1/4		3/8			
Refrigerant Pipe Length	Height Difference (Max.)	Ft.	100					
	Length (Max.)	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.

Specifications are subject to change without notice.

LIMITED WARRANTY | Seven-year warranty on compressor. Five-year warranty on parts.

(PLA-A36BA6 MODEL SHOWN WITH OPTIONAL i-see SENSOR™)

PLA HEAT PUMP

BS = Seacoast Protection

Model Name	Indoor Unit		PLA-A18BA6	PLA-A24BA6	PLA-A30BA6	PLA-A36BA6	PLA-A42BA6
	Outdoor Unit		PUZ-A18NHA6 (-BS)	PUZ-A24NHA6 (-BS)	PUZ-A30NHA6 (-BS)	PUZ-A36NHA6 (-BS)	PUZ-A42NHA6 (-BS)
Cooling *1	Rated Capacity	Btu/h	18,000	24,000	30,000	35,000	42,000
	Capacity Range	Btu/h	8,000-18,000	12,000-24,000	12,000-30,000	12,000-35,000	18,000-42,000
	Rated Total Input	W	1,940	2,500	4,100	4,500	4,600
	Energy Efficiency	SEER	14.2	14.0		14.2	14.4
	Moisture Removal	Pints/h	3.0	5.1	7.2	8.1	10.9
	Sensible Heat Factor		0.81	0.76	0.73	0.74	0.71
Heating at 47° F *2	Rated Capacity	Btu/h	19,000	26,000	32,000	37,000	45,000
	Capacity Range	Btu/h	8,000-20,000	12,000-28,000	12,000-34,000	12,000-38,000	18,000-48,000
	Rated Total Input	W	1,900	2,570	3,370	3,300	4,450
	HSPF (IV)	Btu/h/W	9.8	8.5	8.7	9.3	
Heating at 17° F *3	Rated Capacity	Btu/h	13,000	16,000	23,000	25,000	30,000
	Rated Total Input	W	1,590	2,200	3,050	3,070	4,300
Power Supply	Phase, Cycle, Voltage		1-phase, 60Hz, 208 / 230V *4				
Voltage	Indoor - Outdoor S1 - S2		AC 208 / 230V				
	Indoor - Outdoor S2 - S3		DC ± 24V				
Indoor Unit	MCA	A	1			2	
	Fan Motor (ECM)	F.L.A.	0.51			1.00	
	Fan Motor Output	W	50			120	
	Airflow (Lo-M1-M2-Hi)	DRY (CFM)	420-490-570-640		490-570-640-740	710-810-920-1,060	780-880-990-1,090
		WET (CFM)	390-460-530-600		460-530-600-710	670-770-880-1,030	740-850-950-1,060
	Sound Pressure Level (Lo-M1-M2-Hi)	dB(A)	28-29-31-32		28-30-32-34	32-34-37-40	34-36-39-41
	External Finish Color (Panel)		Munsell No. 6.4Y 8.9 / 0.4				
	Dimension Unit (Panel)	W: In.	33-1/16 (37-3/8)				
		D: In.	33-1/16 (37-3/8)				
		H: In.	10-3/16 (1-3/8)			11-3/4 (1-3/8)	
	Weight Unit (Panel)	Lbs.	49 (13)	51 (13)		55 (13)	
	Drain Lift Mechanism (Included)	H: In.	33-7/16				
	Field Drainpipe Size O.D.	In.	O.D. 1-1/4				
Outdoor Unit	MCA	A	13	18	25		26
	Recommended Fuse/Breaker Size	A	15	25	30		
	MOCP	A	20	30	40		
	Fan Motor (ECM)	F.L.A.	0.35	0.75			0.4 + 0.4
	Fan Motor Output	W	40	75			86 + 86
	Compressor	Model (Type)	DC INVERTER-driven Twin Rotary				
		R.L.A.	12				20
		L.R.A.	14		17.5		27.5
	Airflow	CFM	1,200	1,940			3,530
	Refrigerant Control		Linear Expansion Valve				
	Defrost Method		Reverse Cycle				
	Sound Pressure Level at Cooling *1	dB(A)	48				51
	Sound Pressure Level at Heating *2	dB(A)	47	50			55
	External Finish Color		Munsell No. 3Y 7.8 / 1.1				
	Dimensions	W: In.	31-1/2	37-3/8			
		D: In.	11-13/16 + 7/8	13 + 1-3/16			
		H: In.	23-5/8	37-1/8			53-1/8
	Weight	Lbs.	91	165			251
Refrigerant	Type		R410A				
	Charge	Lbs., oz.	3, 12	6, 10			10
	Oil	Type (fl. oz.)	FV50S (20)	FV50S (28)			FV50S (45)
Refrigerant Pipe	Gas Side O.D.	In.	1/2	5/8			
	Liquid Side O.D.	In.	1/4	3/8			
Refrigerant Pipe Length	Height Difference (Max.)	Ft.	100				
	Length (Max.)	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. 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 (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 (6.1º C).

*3. Rating conditions (heating)-Indoor: D.B. 70º F (21º C), W.B. 60º F (16º C); Outdoor: D.B. 17º F (-8º C), W.B. 15º F (-9º C).

*4.Indoor units receive power from outdoor units through field-supplied interconnected wiring.

Specifications are subject to change without notice.

LIMITED WARRANTY | Seven-year warranty on compressor. Five-year warranty on parts.

(PEA-A18AA6 MODEL SHOWN)

INVERTER R410A

PEA(D) COOLING-ONLY

BS = Seacoast Protection

Model Name	Indoor Unit		PEA-A12AA6	PEA-A18AA6	PEAD-A24AA5	PEAD-A30AA5	PEAD-A36AA5	PEAD-A42AA5
	Outdoor Unit		PUY-A12NHA6 (-BS)	PUY-A18NHA6 (-BS)	PUY-A24NHA6 (-BS)	PUY-A30NHA6 (-BS)	PUY-A36NHA6 (-BS)	PUY-A42NHA6 (-BS)
Cooling *1	Rated Capacity	Btu/h	12,000	18,000	24,000	30,000	35,000	42,000
	Rated Capacity Range	Btu/h	6,000-12,000	8,000-18,000	12,000-24,000	12,000-30,000	12,000-35,000	18,000-42,000
	Rated Total Input	W	1,240	2,150	2,400	3,850	4,850	5,350
	Energy Efficiency	SEER	14.0	14.3	16.0	15.5	15.0	14.0
	Moisture Removal	Pints/h	2.47	3.26	6.9	8.6	7.9	9.0
	Sensible Heat Factor		0.77	0.8	0.68	0.68	0.75	0.76
Power Supply	Phase, Cycle, Voltage		1-PHASE, 60Hz, 208 / 230V *2					
Voltage	Indoor - Outdoor S1 - S2		AC 208 / 230V					
	Indoor - Outdoor S2 - S3		DC ± 24V					
Indoor Unit	MCA	A	1	2	2.63	2.73	3.3	3.5
	Blower Motor (ECM)	F.L.A.	0.57	0.74	2.1	2.18	2.64	2.8
	Blower Motor Output	W	96	96	121	121	244	244
	Airflow (Lo-Mid-Hi)	DRY (CFM)	247-317-388	423-529-635	512-636-742	618-742-883	847-1,024-1,201	1,042-1,254-1,483
		WET (CFM)	222-285-349	381-476-572	494-600-671	565-671-812	777-953-1,130	953-1,165-1,412
	External Static Pressure	In. WG	0.02 - 0.06 - 0.14 - 0.20		0.14 - 0.00 - 0.28 - 0.40 - 0.60			
	Sound Pressure Level (Lo-Mid-Hi)	dB(A)	23-28-33	30-34-38	30-33-37	30-34-39	33-38-42	36-40-44
	External Finish Color		Galvanized-steel Sheet					
	Dimension Unit	W: In.	39	46 7/8	43-5/16		55-1/8	
		D: In.	27 9/16		28-7/8			
		H: In.	7 7/8		9-7/8			
	Weight Unit	Lbs.	48	62	73		91	95
	Drain Lift Mechanism (Included)	H: In.	21-11/16		27-9/16			
	Field Drainpipe Size O.D.	In.	O.D. 1-1/4		O.D. 1-1/4			
Outdoor Unit	MCA	A	13		18	25		26
	Recommended Fuse/Breaker Size	A	15		25	30		
	MOCP	A	15	20	30	40		
	Fan Motor (ECM)	F.L.A.	0.35		0.75			0.4+0.4
	Fan Motor Output	W	40		75			86+86
	Compressor	Model (Type)	DC INVERTER-driven Single Rotary		DC INVERTER - driven Twin Rotary			
		R.L.A.	12					20
		L.R.A.	14			17.5		27.5
	Airflow	CFM	1,200		1,940			3,530
	Refrigerant Control		Linear Expansion Valve					
	Sound Pressure Level at Cooling *1	dB(A)	46	48				51
	External Finish Color				Munsell No. 3Y 7.8 / 1.1			
	Dimensions	W: In.	31 1/2		37-3/8			
		D: In.	11 13/16+7/8		13 + 1-3/16			
		H: In.	23 5/8		37-1/8			53-1/8
	Weight	Lbs.	82	89	163			247
Refrigerant	Type				R410A			
	Charge	Lbs., Oz.	2,14		6, 10			10
	Oil	Type(fl. oz.)	FV50S (20)		FV50S (28)			FV50S (45)
Refrigerant Pipe	Gas Side O.D.	In.	1/2		5/8			
	Liquid Side O.D.	In.	1/4		3/8			
Refrigerant Pipe Length	Height Difference (Max.)	Ft.	100					
	Length (Max.)	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.

Specifications are subject to change without notice.

PEA(D) HEAT PUMP

(PEA-A18AA6 MODEL SHOWN)

INVERTER

R410A

BS = Seacoast Protection

Model Name	Indoor Unit / Outdoor Unit		PEA-A18AA6 / PUZ-A18NHA6 (-BS)	PEAD-A24AA5 / PUZ-A24NHA6 (-BS)	PEAD-A30AA5 / PUZ-A30NHA6 (-BS)	PEAD-A36AA5 / PUZ-A36NHA6 (-BS)	PEAD-A42AA5 / PUZ-A42NHA6 (-BS)
Cooling *1	Rated Capacity	Btu/h	18,000	24,000	30,000	35,000	42,000
	Capacity Range	Btu/h	8,000-18,000	12,000-24,000	12,000-30,000	12,000-35,000	18,000-42,000
	Rated Total Input	W	2,150	2,400	3,850	4,850	5,350
	Energy Efficiency	SEER	14.3	16.0	15.5	15.0	14.0
	Moisture Removal	Pints/h	3.26	6.9	8.6	7.9	9.0
	Sensible Heat Factor		0.8	0.68		0.75	0.76
Heating at 47° F *2	Rated Capacity	Btu/h	19,000	26,000	32,000	37,000	45,000
	Capacity Range	Btu/h	8,000-20,000	12,000-28,000	12,000-34,000	12,000-38,000	18,000-48,000
	Rated Total Input	W	1,540	2,250	2,990	3,290	3,820
	HSPF (IV)	Btu/h/W	10.0	10.2	9.4	9.8	10.0
Heating at 17° F *3	Rated Capacity	Btu/h	13,000	18,000	23,000	25,000	30,000
	Total Input	W	1,520	2,130	2,750	2,810	3,820
Power Supply	Phase, Cycle, Voltage		1-phase, 60Hz, 208 / 230V *4				
Voltage	Indoor - Outdoor S1 - S2		AC 208 / 230V				
	Indoor - Outdoor S2 - S3		DC ± 24V				
Indoor Unit	MCA	A	2	2.63	2.73	3.3	3.5
	Blower Motor (ECM)	F.L.A.	0.74	2.1	2.18	2.64	2.8
	Blower Motor Output	W	96	121		244	
	Airflow (Lo-Mid-Hi)	DRY (CFM)	423-529-635	512-636-742	618-742-883	847-1,024-1,201	1,042-1,254-1,483
		WET (CFM)	381-476-572	494-600-671	565-671-812	777-953-1,130	953-1,165-1,412
	External Static Pressure	In. WG	0.02 - 0.06 - 0.14 - 0.20	0.14 - 0.00 - 0.28 - 0.40 - 0.60			
	Sound Pressure Level (Lo-Mid-Hi)	dB(A)	30-34-38	30-33-37	30-34-39	33-38-42	36-40-44
	External Finish Color		Galvanized-steel Sheet				
	Dimension Unit	W: In.	46 7/8	43-5/16		55-1/8	
		D: In.	27 9/16	28-7/8			
		H: In.	7 7/8	9-7/8			
	Weight Unit	Lbs.	62	73		91	95
	Drain Lift Mechanism (Included)	H: In.	21-11/16	27-9/16			
	Field Drainpipe Size O.D.	In.	O.D. 1-1/4	O.D. 1-1/4			
Outdoor Unit	MCA	A	13	18	25		26
	Recommended Fuse/Breaker Size	A	15	25	30		
	MOCP	A	20	30	40		
	Fan Motor (ECM)	F.L.A.	0.35	0.75			0.4 + 0.4
	Fan Motor Output	W	40	75			86 + 86
	Compressor	Model Type)	DC INVERTER-driven Single Rotary	DC INVERTER - driven Twin Rotary			INVERTER-driven Scroll
		R.L.A.	12	12			20
		L.R.A.	14	14	17.5		27.5
	Airflow	CFM	1,200	1,940			3,530
	Refrigerant Control			Linear Expansion Valve			
	Defrost Method			Reverse Cycle			
	Sound Pressure Level at Cooling *1	dB(A)	48				51
	Sound Pressure Level at Heating *2	dB(A)	47	50			55
	External Finish Color		Munsell No. 3Y 7.8 / 1.1				
	Dimensions	W: In.	31 1/2	37-3/8			
		D: In.	11 13/16 + 7/8	13 + 1-3/16			
		H: In.	23 5/8	37-1/8			53-1/8
	Weight	Lbs.	91	165			251
Refrigerant	Type		R410A				
	Charge	Lbs., Oz.	2,14	6, 10			10
	Oil	Type (fl. oz.)	FV50S (20)	FV50S (28)			FV50S (45)
Refrigerant Pipe	Gas Side O.D.	In.	1/2	5/8			
	Liquid Side O.D.	In.	1/4	3/8			
Refrigerant Pipe Length	Height Difference (Max.)	Ft.	100				
	Length (Max.)	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. 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 (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 (6.1º C).

*3. Rating conditions (heating)-Indoor: D.B. 70º F (21º C), W.B. 60º F (16º C); Outdoor: D.B. 17º F (-8º C), W.B. 15º F (-9º C).

*4. Indoor units receive power from outdoor units through field-supplied interconnected wiring.

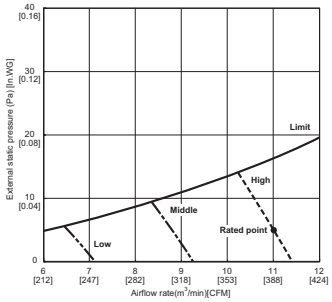
Specifications are subject to change without notice.

PEA/PEAD STATIC PERFORMANCE CURVES

(PEA-A18AA4 MODEL SHOWN)

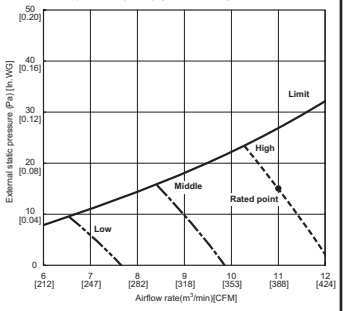
PEA-A12AA

External static pressure (5Pa) [0.020 In.WG] 208/230V 60Hz



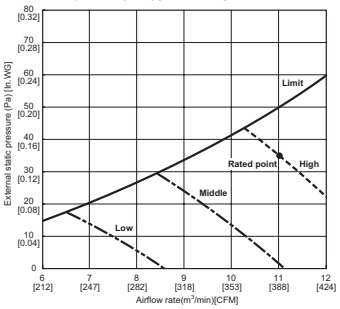
PEA-A12AA

External static pressure (15Pa) [0.060 In.WG]208/230V 60Hz



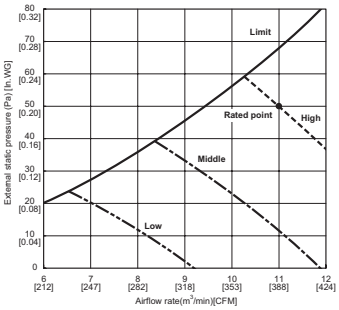
PEA-A12AA

External static pressure (35Pa) [0.140 In.WG] 208/230V 60Hz



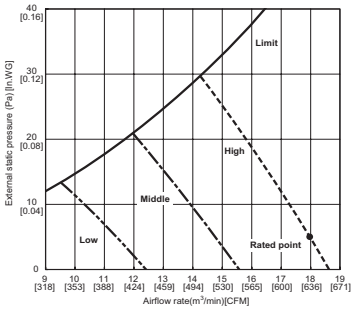
PEA-A12AA

External static pressure (50Pa) [0.200 In.WG] 208/230V 60Hz



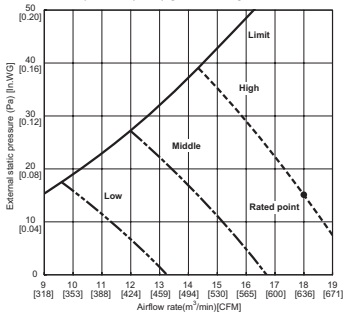
PEA-A18AA

External static pressure (5Pa) [0.020 In.WG] 208/230V 60Hz



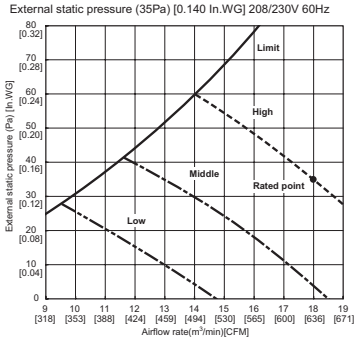
PEA-A18AA

External static pressure (15Pa) [0.060 In.WG]208/230V 60Hz



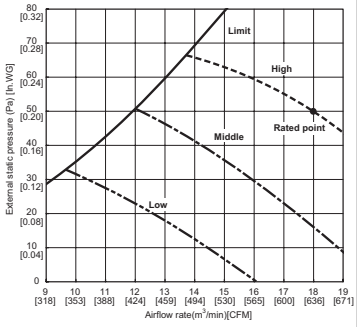
PEA-A18AA

External static pressure (35Pa) [0.140 In.WG] 208/230V 60Hz



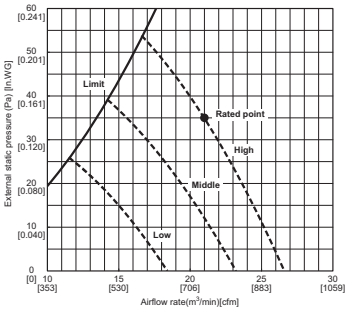
PEA-A18AA

External static pressure (50Pa) [0.200 In.WG] 208/230V 60Hz



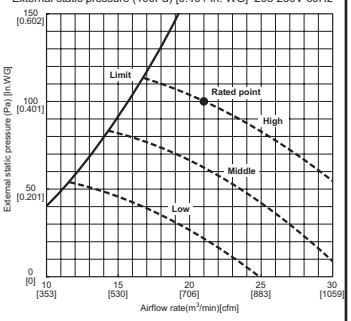
PEAD-A24AA

External static pressure (35Pa) [0.140 In. WG] 208-230V 60Hz



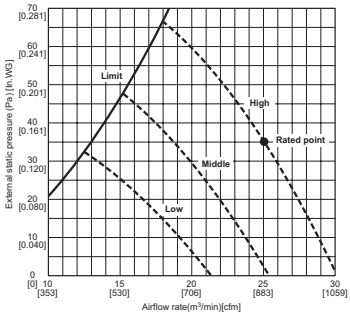
PEAD-A24AA

External static pressure (100Pa) [0.401 In. WG] 208-230V 60Hz



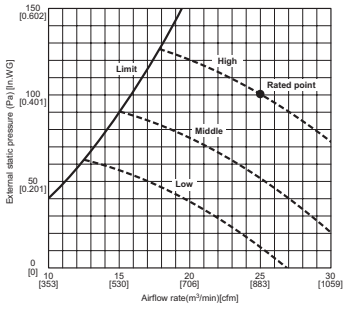
PEAD-A30AA

External static pressure (35Pa) [0.140 In. WG] 208-230V 60Hz



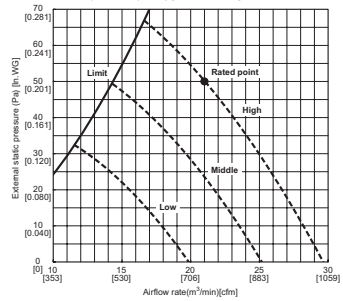
PEAD-A30AA

External static pressure (100Pa) [0.401 In. WG] 208-230V 60Hz



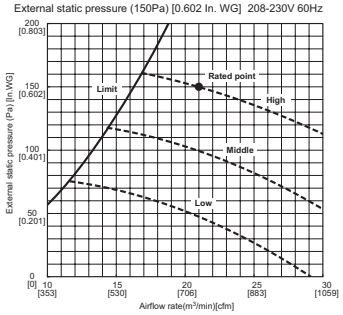
PEAD-A24AA

External static pressure (50Pa) [0.201 In. WG] 208-230V 60Hz



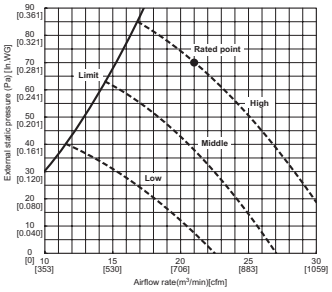
PEAD-A24AA

External static pressure (150Pa) [0.602 In. WG] 208-230V 60Hz



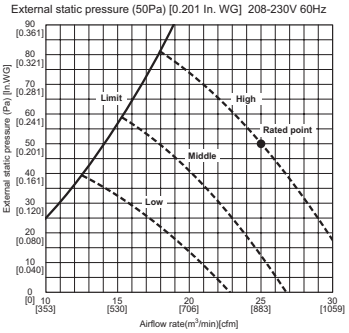
PEAD-A24AA

External static pressure (70Pa) [0.281 In. WG] 208-230V 60Hz



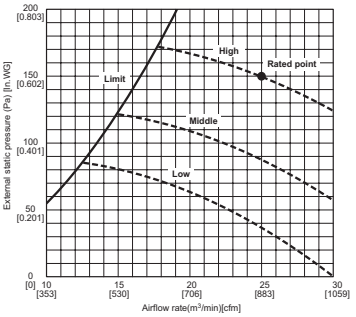
PEAD-A30AA

External static pressure (50Pa) [0.201 In. WG] 208-230V 60Hz



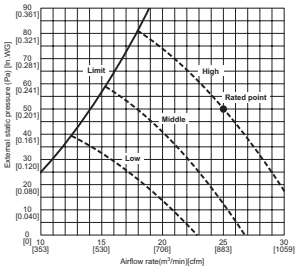
PEAD-A30AA

External static pressure (150Pa) [0.602 In. WG] 208-230V 60Hz



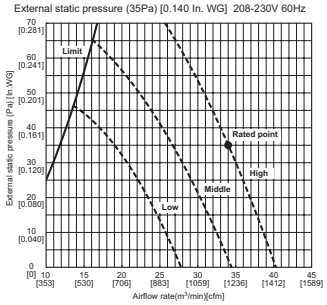
PEAD-A30AA

External static pressure (50Pa) [0.201 In. WG] 208-230V 60Hz



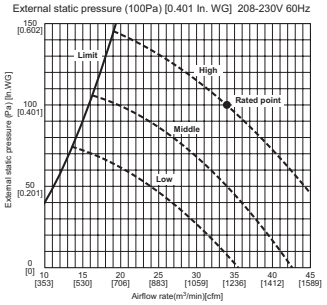
PEAD-A36AA

External static pressure (35Pa) [0.140 In. WG] 208-230V 60Hz



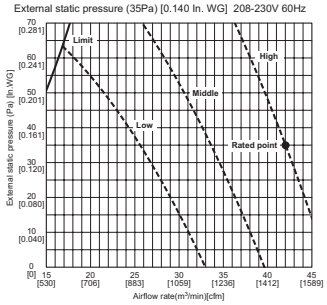
PEAD-A36AA

External static pressure (100Pa) [0.401 In. WG] 208-230V 60Hz



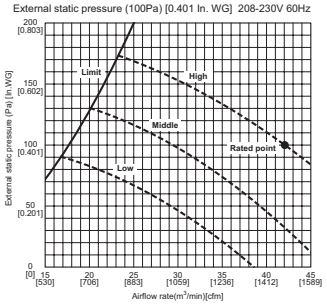
PEAD-A42AA

External static pressure (35Pa) [0.140 In. WG] 208-230V 60Hz



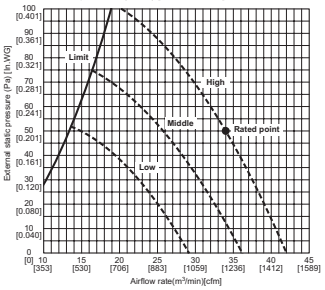
PEAD-A42AA

External static pressure (100Pa) [0.401 In. WG] 208-230V 60Hz



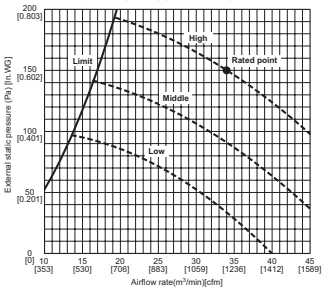
PEAD-A36AA

External static pressure (50Pa) [0.201 In. WG] 208-230V 60Hz



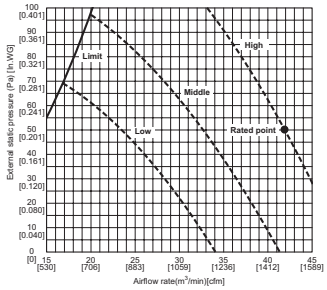
PEAD-A36AA

External static pressure (150Pa) [0.602 In. WG] 208-230V 60Hz



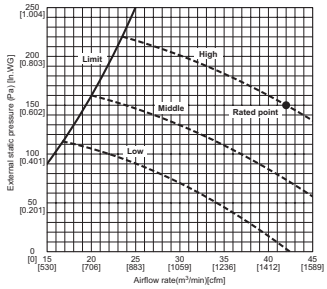
PEAD-A42AA

External static pressure (50Pa) [0.201 In. WG] 208-230V 60Hz



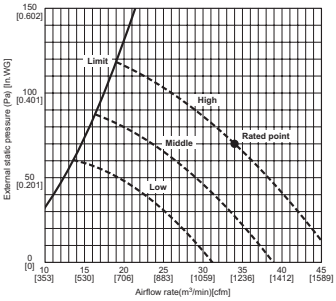
PEAD-A42AA

External static pressure (150Pa) [0.602 In. WG] 208-230V 60Hz



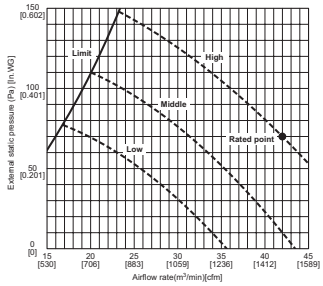
PEAD-A36AA

External static pressure (70Pa) [0.281 In. WG] 208-230V 60Hz



PEAD-A42AA

External static pressure (70Pa) [0.281 In. WG] 208-230V 60Hz



Ducting considerations

The performance of these indoor units depends on critical elements of design. These design elements include proper selection, duct designing and installation.

Below are best practices when ducting the low profile unit:

- When reviewing static pressure duct loss in a system, keep in mind the maximum static pressure the unit will see.

Unit	Max Static Pressure
PEA	0.2 in. WG
PEAD	0.6 in. WG
PVA	0.8 in WG

- Flexible duct work, while making installations simpler, can add unnecessary static pressure loss if not utilized properly. Most of the static pressure duct loss comes from allowing the duct work to sag. Allowing even a 30% sag in the duct work can increase the static pressure loss up to eight times. Flexible duct work runs should be kept to less than 15 ft. Elbows should be kept to a minimum and made as wide as possible.
- Grilles should be selected so that the air velocity is less than 500 ft. per minute to minimize static pressure loss.

The chart below shows grille sizes and corresponding flow rates to keep the static pressure loss under 0.05 in.:

Airflow (CFM)	50	100	150	200	250
Grille Size (In. x In.)	6x6	6x6	8x6	10x6, 8x8	12x6, 10x8

- The final component is to understand what the static pressure loss is in the duct work. The chart below shows approximate static pressure loss per 100 ft. for various round duct sizes and flow rates. If flexible duct work is being used and the flex remains stretched, 20% can be added to the values below to approximate the loss.

Inches of Static Pressure Loss per 100 ft. of Hard Duct				
	4"ø	6"ø	8"ø	10"ø
50 CFM	0.15	0.02	-	-
100 CFM	0.6	0.08	0.02	-
150 CFM	-	0.2	0.04	-
200 CFM	-	0.3	0.08	0.02
250 CFM	-	0.45	0.11	0.04
500 CFM	-	-	0.4	0.15

PVA MULTI-POSITION AIR HANDLING UNITS

(PVA-A42AA4 MODEL SHOWN)

Model Name	Indoor Unit / Outdoor Unit		PVA-A30AA4 / PUZ-HA30NHA5	PVA-A36AA4 / PUZ-HA36NHA5	PVA-A42AA4 / PUZ-HA42NKA
Cooling *1	Rated Capacity	Btu/h	30,000	34,000	42,000
	Capacity Range	Btu/h	18,000-30,000	18,000-36,000	19,000-42,000
	Rated Total Input	W	2,500	2,780	4,270
	Energy Efficiency	SEER	17.0	17.8	15.3
	Moisture Removal	Pints/h	8.0	7.9	9.0
	Sensible Heat Factor		0.70	0.74	0.76
Heating at 47° F *2	Rated Capacity	Btu/h	32,000	38,000	48,000
	Capacity Range	Btu/h	18,000-34,000	18,000-40,000	18,000-54,000
	Rated Total Input	W	2,590	3,040	4,010
	HSPF (IV)	Btu/h/W	9.7	11.0	
Heating at 17° F *3	Rated Capacity	Btu/h	22,600	29,100	42,500
	Maximum Capacity	Btu/h	32,000	38,000	48,000
	Rated Total Input	W	2,740	3,230	5,000
Heating at 5° F	Maximum Capacity	Btu/h	32,000	38,000	48,000
Power Supply	Phase, Cycle, Voltage		1-phase, 60Hz, 208 / 230V		
Voltage	Indoor - Outdoor S1 - S2		AC 208 / 230V		
	Indoor - Outdoor S2 - S3		DC ± 24V		
Indoor Unit	MCA	A	4.13	5.50	5.63
	Blower Motor (ECM)	F.L.A.	3.3	4.4	4.5
	Blower Motor Output	W	244	430	
	Airflow (Lo-Mid-Hi)	DRY (CFM)	613-744-875	788-956-1,125	1,040-1,262-1,485
		WET (CFM)	613-744-875	788-956-1,125	1,040-1,262-1,485
	External Static Pressure	In. WG	0.30 - 0.50 - 0.80		
	Sound Pressure Level (Cooling) (Lo-Mid-Hi)	dB(A)	32-36-40	32-36-40	36-40-44
	Sound Pressure Level (Heating) (Lo-Mid-Hi)	dB(A)	32-36-40	32-36-40	36-40-44
	External Finish Color		Galvanized-steel Sheet		
	Dimension Unit	W: In.	21		25
		D: In.	21-5/8		21-5/8
		H: In.	54-1/4		59-1/2
	Weight Unit	Lbs.	141		172
	Field Drainpipe Size O.D.	In.	3/4		
Outdoor Unit	MCA	A	28		37
	MOCP	A	40		44
	Fan Motor (ECM)	F.L.A.	0.4+0.4		
	Compressor	Model Type)	INVERTER		
		R.L.A.	18		19
		L.R.A.	27.5		28
	Airflow	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		41-5/16
		D: In.	13+1-3/16		
		H: In.	53-1/8		52-11/16
	Weight	Lbs.	265		287
Refrigerant	Type		R410A		
	Charge	Lbs., Oz.	12		13.4
	Oil	Type (fl. oz.)	FV50S		FVC68D
Refrigerant Pipe	Gas Side O.D.	In.	5/8		
	Liquid Side O.D.	In.	3/8		
Refrigerant Pipe Length	Height Difference (Max.)	Ft.	100		
	Length (Max.)	Ft.	245		
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 (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 (6.1° C).

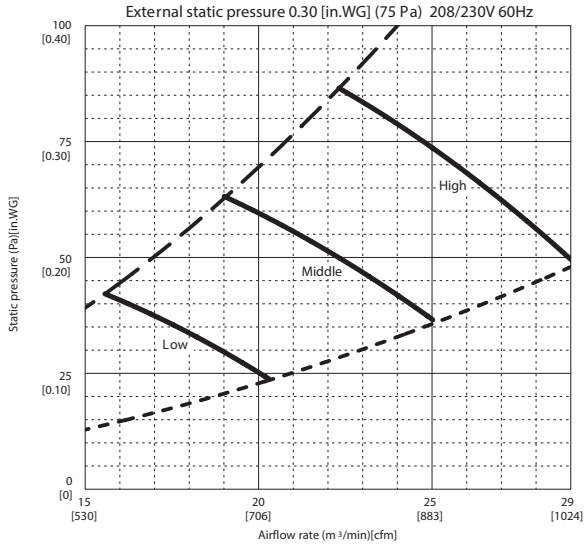
*3. Rating conditions (heating)-Indoor: D.B. 70° F (21° C), W.B. 60° F (16° C); Outdoor: D.B. 17° F (-8° C), W.B. 15° F (-9° C).

Specifications are subject to change without notice.

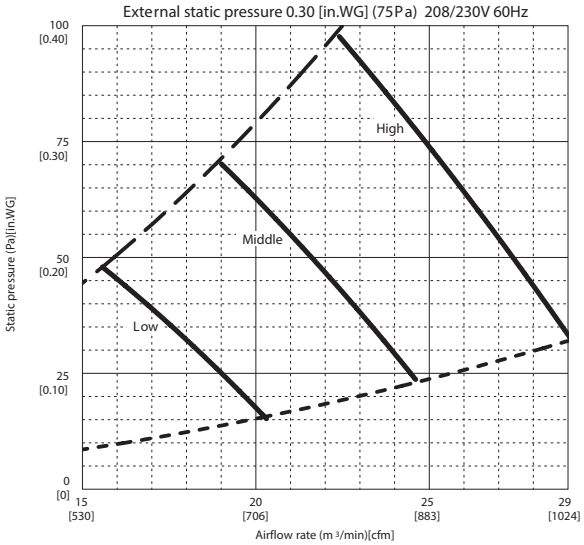
PVA STATIC PERFORMANCE CURVES

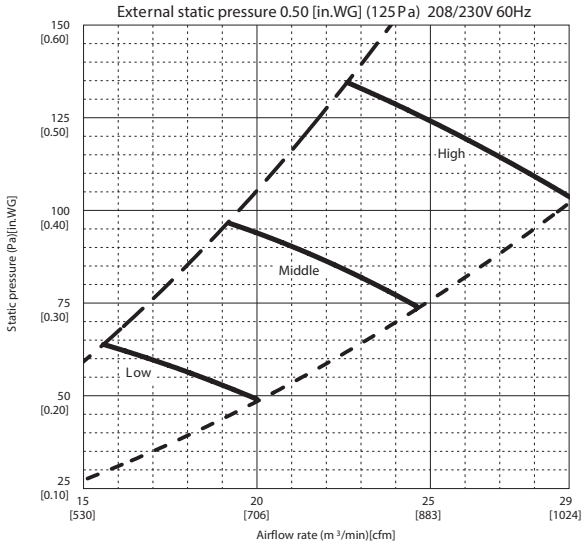
PVA-A30AA4

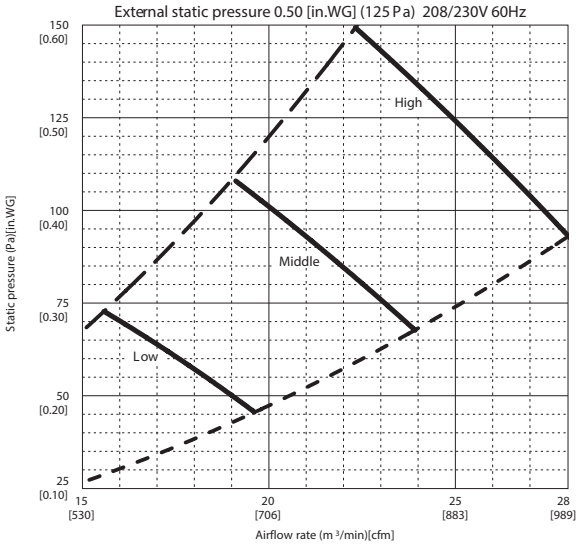
• Vertical, Horizontal Right, Horizontal Left

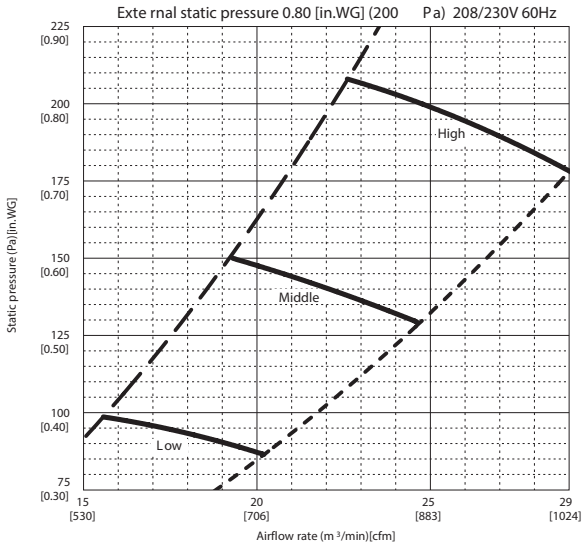


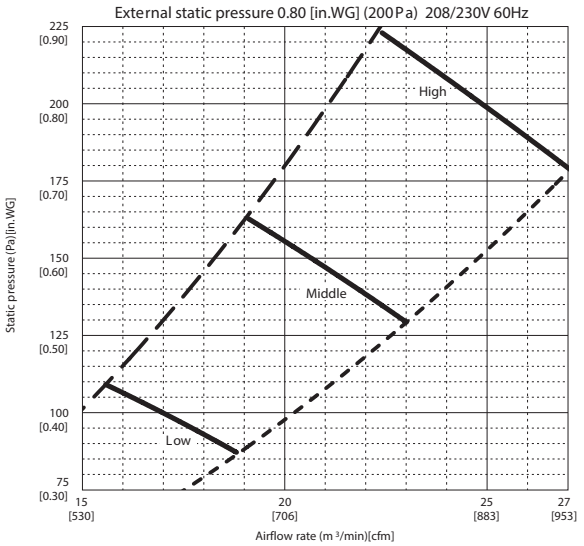
• Downflow











PVA STATIC PERFORMANCE CURVES *(cont'd.)*

PVA-A36AA4

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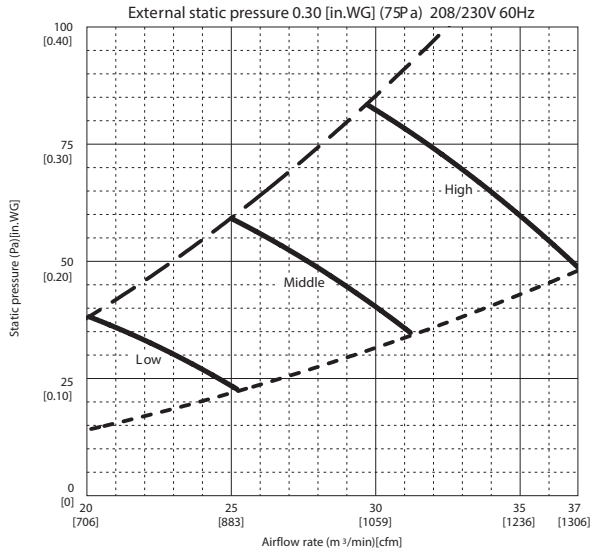
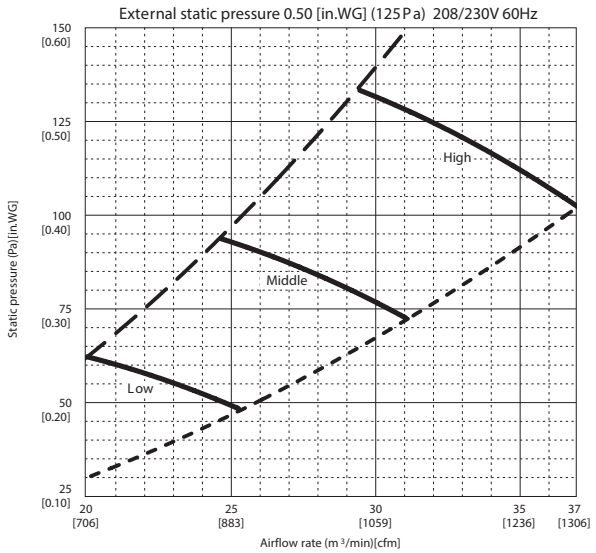
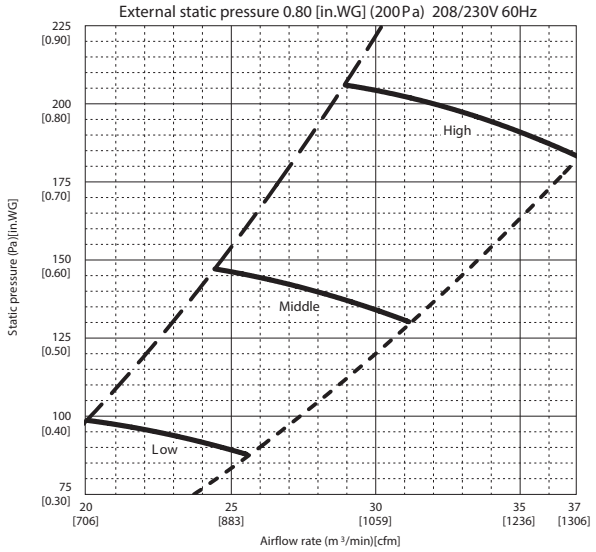
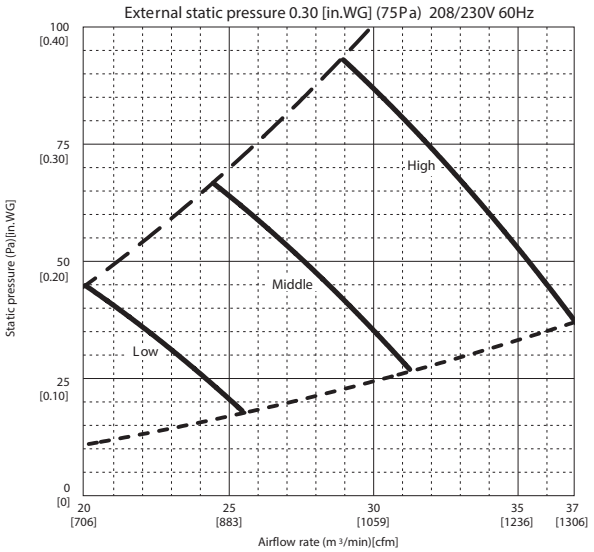
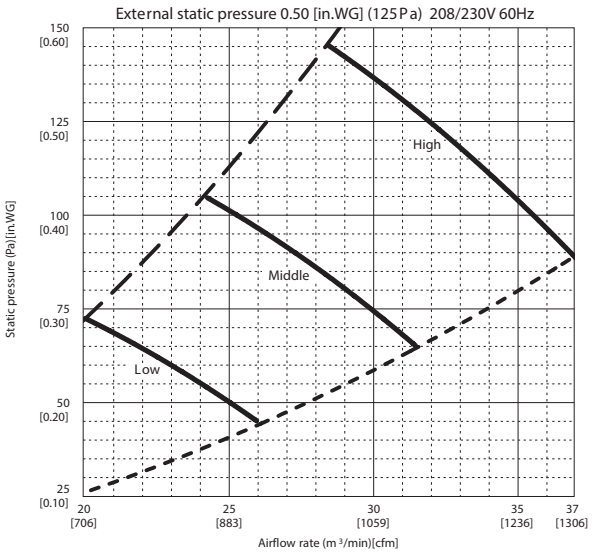


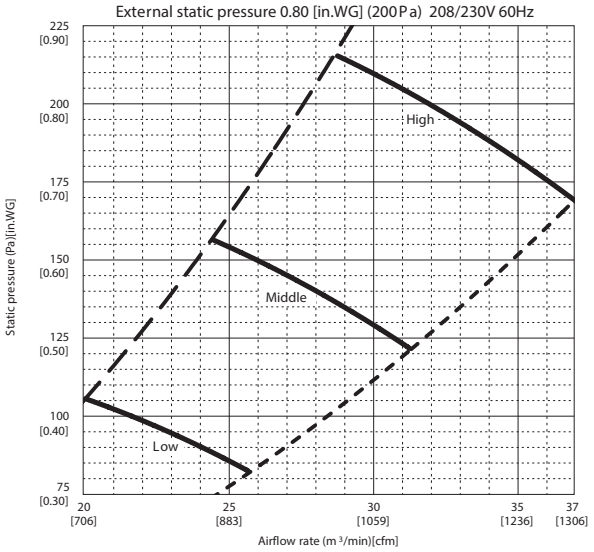




• Downflow







PVA-A42AA4

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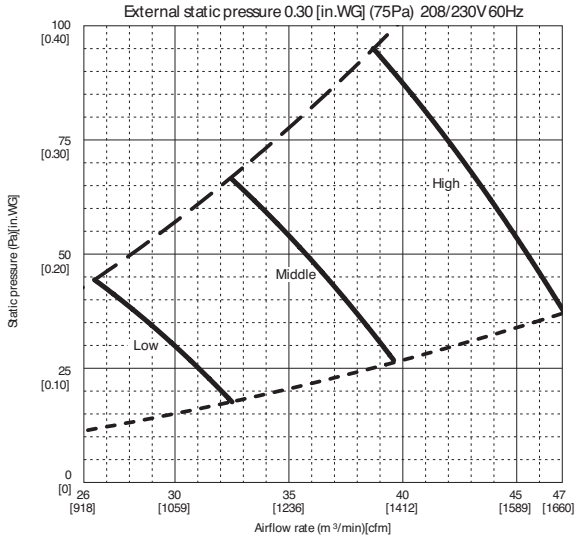
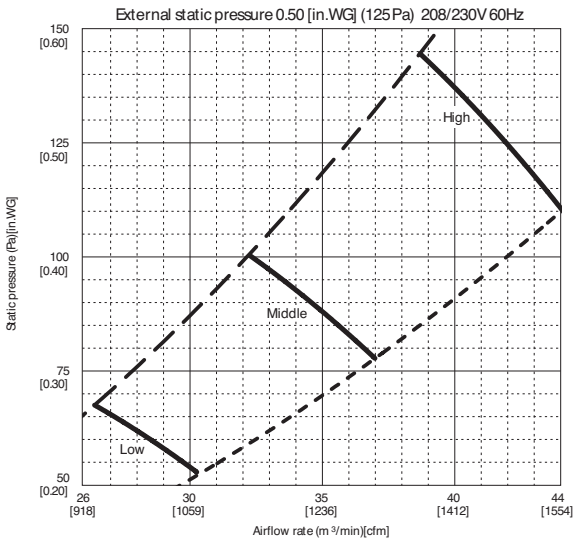
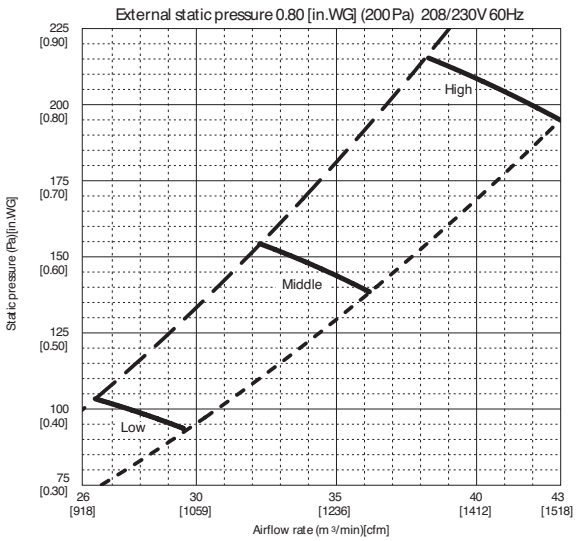
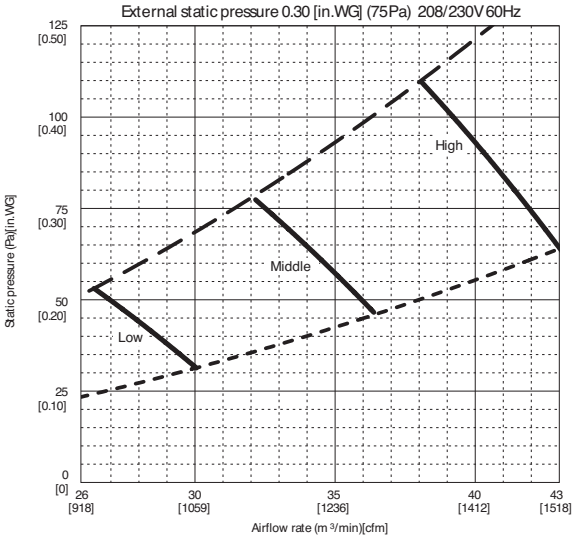
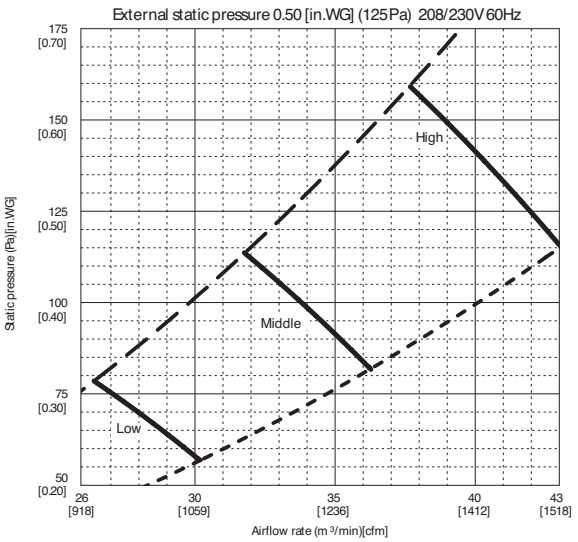


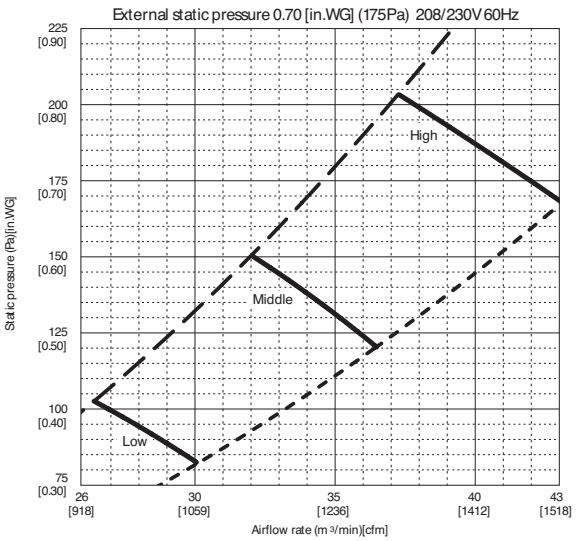




• Downflow







H2i® P-SERIES HEAT PUMP

Model Name			Wall-mounted models		Horizontal ducted models			Ceiling-suspended models
	Indoor Unit		PKA-A30KA6	PKA-A36KA6	PEAD-A30AA5	PEAD-A36AA5	PEAD-A42AA5	PCA-A36KA6
	Outdoor Unit		PUZ-HA30NHA5	PUZ-HA36NHA5	PUZ-HA30NHA5	PUZ-HA36NHA5	PUZ-HA42NKA	PUZ-HA36NHA5
Cooling *1	Rated Capacity	Btu/h	30,000	33,500	30,000	34,000	42,000	30,000
	Capacity Range	Btu/h	18,000-30,000	18,000-33,500	18,000-30,000	18,000-36,000	19,000-42,000	18,000-30,000
	Total Input	W	2,500	2,790	2,480	2,800	4,200	2,480
	Energy Efficiency	SEER	16.5	16.2	16.5	16.8	14.3	16.1
	Moisture Removal	Pints/h	8.1	8.7	8.9	7.3	9.0	8.3
	Sensible Heat Factor		0.70	0.71	0.67	0.76		0.69
Heating at 47° F *2	Rated Capacity	Btu/h	32,000	38,000	32,000	38,000	48,000	32,000
	Capacity Range	Btu/h	18,000-34,000	18,000-40,000	18,000-34,000	18,000-40,000	2,100 - 54,000	18,000-34,000
	Total Input	W	2,930	3,410	2,750	3,150	3,800	2,990
	HSPF (IV)	Btu/h/W	9.5	10	9.5	10.4	10.8	9.3
Heating at 17° F *3	Rated Capacity	Btu/h	19,000	25,000	19,000	27,000	43,000	19,000
	Maximum Capacity	Btu/h	32,000	38,000	32,000	38,000	48,000	32,000
	Total Input	W	2,930	3,410	2,750	3,150	3,800	5,170
Heating at 5° F *4	Maximum Capacity	Btu/h	32,000	38,000	32,000	38,000	48,000	32,000
	Total Input	W	5,770	6,760	5,420	6,100	7,030	5,830
Power Supply	Phase, Cycle, Voltage		1-phase, 60Hz, 208/230V *5					
Voltage	Indoor - Outdoor S1 - S2		AC 208 / 230V					
	Indoor - Outdoor S2 - S3		DC ±24V					
Indoor Unit	MCA	A	1		2.73	3.30		1
	Blower Motor (ECM)	F.L.A.	0.36	0.57	2.18	2.64		0.54
	Blower Motor Output	W	56		121	244		95
	Airflow (Lo-Mid-Hi or Lo-Mid1-Mid2-Hi)	DRY (CFM)	635-705-775	705-810-920	618-742-883	847-1,024-1,201		565-600-635-705
		WET (CFM)	570-635-700	635-730-830	565-671-812	777-953-1,130		530-565-600-670
	External Static Pressure *6	In. WG	0(direct blow)		0.14 - 0.20 - 0.28 - 0.40 - 0.60			0(direct blow)
	Sound Pressure Level (Lo-Mid-Hi or Lo-Mid1-Mid2-Hi)	dB(A)	39-42-45	43-46-49	30-34-39	33-38-42		35-37-39-41
	External Finish Color		Munsell No. 1.0Y 9.2 / 0.2		Galvanized			White Munsell 6.4Y 8.9/0.4
	Dimension Unit	W: In.	46-1/16		43-5/16		55-1/8	50-3/8
		D: In.	11-5/8		28-7/8			26-3/4
		H: In.	14-3/8		9-7/8			9-1/16
	Weight Unit	Lbs.	46		33	41	41	71
	Drain Lift Mechanism (Included)	H: In.	N/A		33-7/16		27-9/16	N/A
	Field Drainpipe Size	In.	I.D. 5/8		O.D. 1-1/4	O.D. 1-1/4		O.D. 1-1/32
Outdoor Unit	MCA	A	28		28		37	28
	Recommended Fuse/Breaker	A	30					30
	MOCP	A	40		40		44	40
	Fan Motor (ECM)	F.L.A.	0.4 + 0.4					0.4 + 0.4
	Fan Motor Output	W	60 + 60				86 + 86	60 + 60
	Compressor	Model (Type)	INVERTER					INVERTER
		R.L.A.	18				19	18
		L.R.A.	27.5				28	27.5
	Airflow	CFM	3,530				3,320	3,530
	Refrigerant Control		Electronic Expansion Valve					
	Defrost Method		Reverse Cycle					
	Sound Pressure Level at Cooling *1	dB(A)	52				49	52
	Sound Pressure Level at Heating *2	dB(A)	53				51	53
	External Finish Color		Munsell No. 3Y 7.8 / 1.1					
	Dimensions	W: In.	37-3/8				41-6/16	37-3/8
		D: In.	13 + 1-3/16					
		H: In.	53-1/8				52-11/16	53-1/8
	Weight	Lbs.	265				287	265
Refrigerant	Type		R410A					
	Charge	Lbs.	12				13.4	12
	Oil	Type (fl. oz.)	FV50S (45)				FVC68D (57)	FV50S (45)
Refrigerant Pipe	Gas Side O.D.	In.	5/8					5/8
	Liquid Side O.D.	In.	3/8					3/8
Refrigerant Pipe Length	Height Difference (Max.)	Ft.	100					100
	Length (Max.)	Ft.	245					245
Connection Method	Indoor/Outdoor		Flared/Flared					Flared/Flared
Operating Temperature Range	Cooling		0° F D.B. to 115° F D.B. with Wind Baffle Accessory Installed					
	Heating		-13° F W.B. to +70° F D.B.					

Specifications are subject to change without notice

Notes:

*1. Rating conditions (cooling)-Indoor: D.B. 26.7° C (80° F), W.B. 19.4° C (67° F); Outdoor: D.B. 35° C (95° F), W.B. 23.9° C (75° F).

*2. Rating conditions (heating)-In door: D.B. 21.1° C (70° F), W.B. 15.6° C (60° F); Outdoor: D.B. 8.3° C (47° F), W.B. 6.1° C (43° F).

*3. Rating conditions (heating)-Indoor: D.B. 21.1° C (70° F), W.B. 15.6° C (60° F); Outdoor: D.B. -8.3° C (17° F), W.B. -9.4° C (15° F).

*4. Rating conditions (heating)-Indoor: D.B. 21.1° C (70° F), W.B. 15.6° C (60° F); Outdoor: D.B. -15° C (5° F), W.B. -15° C (5° F).

*5. Indoor units receive power from outdoor units through field-supplied interconnected wiring.

*6. External static pressure is factory set to 0.20" WG.

LIMITED WARRANTY Seven-year warranty on compressor. Five-year warranty on parts.

H2i® P-SERIES HEAT PUMP

Model Name	Indoor Unit		Ceiling-suspended models		Ceiling-cassette models		
	Outdoor Unit		PCA-A36KA6 / PUZ-HA36NHA5	PCA-A42KA6 / PUZ-HA42NKA	PLA-A30BA6 / PUZ-HA30NHA5	PLA-A36BA6 / PUZ-HA36NHA5	PLA-A42BA6 / PUZ-HA42NKA
Cooling *1	Rated Capacity	Btu/h	34,000	42,000	30,000	34,000	42,000
	Capacity Range	Btu/h	18,000-36,000	19,000-42,000	18,000-30,000	18,000-36,000	19,000-42,000
	Total Input	W	2,810	4,200	2,450	2,690	4,340
	Energy Efficiency	SEER	16.6	14.5	15.6	17.0	14.8
	Moisture Removal	Pints/h	8.2	11.7	7.2	7.1	10.9
	Sensible Heat Factor		0.73	0.69	0.73	0.71	
Heating at 47° F *2	Rated Capacity	Btu/h	38,000	48,000	32,000	38,000	48,000
	Capacity Range	Btu/h	18,000-40,000	21,000-54,000	18,000-34,000	18,000-40,000	21,000-54,000
	Total Input	W	3,270	4,150	3,440	3,230	4,660
	HSPF (IV)	Btu/h/W	10.3	10.4	9.4	10	
Heating at 17° F *3	Rated Capacity	Btu/h	27,000	44,000	19,000	28,000	44,000
	Maximum Capacity	Btu/h	38,000	48,000	32,000	38,000	48,000
	Total Input	W	5,720	7,020	5,720	5,300	7,100
Heating at 5° F *4	Maximum Capacity	Btu/h	38,000	48,000	32,000	38,000	48,000
	Total Input	W	6,550	7,580	6,630	5,860	7,820
Power Supply	Phase, Cycle, Voltage		1-phase, 60Hz, 208/230V *5				
Voltage	Indoor - Outdoor S1 - S2		AC 208 / 230V				
Indoor Unit	MCA	A	1	2	1	2	
	Blower Motor (ECM)	F.L.A.	0.97		0.51 (Fan)	1.00 (Fan)	
	Blower Motor Output	W	160		50 (Fan)	120 (Fan)	
	Airflow (Lo-Mid-Hi or Lo-Mid1-Mid2-Hi)	DRY (CFM)	775-850-920-990	810-885-995-1,025	490-570-640-740	710-810-920-1,060	780-880-990-1,090
		WET (CFM)	705-775-850-920	740-810-880-955	460-530-600-710	670-770-880-1,030	740-850-950-1.060
	Sound Pressure Level (Lo-Mid1-Mid2-Hi)	dB(A)	37-39-41-43	39-41-43-45	28-30-32-34	32-34-37-40	34-36-39-41
	External Finish Color		White Munsell 6.4Y 8.9/0.4		Munsell No. 6.4Y 8.9 / 0.4 (Grille)		
	Dimension Unit	W: In.	63		33-1/16 (Grille: 37-3/8)		
		D: In.	26-3/4		33-1/16 (Grille: 37-3/8)		
		H: In.	9-1/16		10-3/16 (Grille: 1-3/8)	11-3/4 (Grille 1-3/8)	
	Weight Unit	Lbs.	79	86	51 (Grille: 13)	55 (Grille: 13)	
	Drain Lift Mechanism (Included)	H: In.	NA	NA	33-7/16		
	Field Drainpipe Size O.D.	In.	O.D. 1-1/32		O.D.1-1/4		
Outdoor Unit	MCA	A	28	37	28		37
	Recommended Fuse/Breaker	A	30	40	30		40
	MOCP	A	30	30	40		44
	Fan Motor (ECM)	F.L.A.	0.4 + 0.4				
	Fan Motor Output	W	60 + 60	86 + 86	60 + 60		86 + 86
	Compressor	Model (Type)	INVERTER-driven Scroll				
		R.L.A.	18	19	18		19
		L.R.A.	27.5	28	27.5		28
	Airflow	CFM	3,530	3,320	3,530		3,320
	Refrigerant Control		Electronic Expansion Valve				
	Defrost Method		Reverse Cycle				
	Sound Pressure Level at Cooling *1	dB(A)	52	49	52		49
	Sound Pressure Level at Heating *2	dB(A)	53	51	53		51
	External Finish Color		Munsell No. 3Y 7.8 / 1.1				
	Dimensions	W: In.	37-3/8	41-6/16	37-3/8		41-6/16
		D: In.	13 + 1-3/16				
		H: In.	53-1/8	52-11/16	53-1/8		52-11/16
	Weight	Lbs.	265	287	265		
Refrigerant	Type		R410A		R410A		
	Charge	Lbs.	12	13.4	12		13.4
	Oil	Type (fl. oz.)	FV50S (45)	FVC68D (57)	FV50S (45)		FVC68D (57)
Refrigerant Pipe	Gas Side O.D.	In.	5/8				
	Liquid Side O.D.	In.	3/8				
Refrigerant Pipe Length	Height Difference (Max.)	Ft.	100				
	Length (Max.)	Ft.	245				
Connection Method	Indoor/Outdoor		Flared/Flared				
Operating Temperature Range	Cooling		0° F D.B. to 115° F D.B. with Wind Baffle Accessory Installed				
	Heating		-13° F W.B. to +70° F D.B.				

Specifications are subject to change without notice

Notes:

*1. Rating conditions (cooling)-Indoor: D.B. 26.7° C (80° F), W.B. 19.4° C (67° F); Outdoor: D.B. 35° C (95° F), W.B. 23.9° C (75° F).

*2. Rating conditions (heating)-Indoor: D.B. 21.1° C (70° F), W.B. 15.6° C (60° F); Outdoor: D.B. 8.3° C (47° F), W.B. 6.1° C (43° F).

*3. Rating conditions (heating)-Indoor: D.B. 21.1° C (70° F), W.B. 15.6° C (60° F); Outdoor: D.B. -8.3° C (17° F), W.B. -9.4° C (15° F).

*4. Rating conditions (heating)-Indoor: D.B. 21.1° C (70° F), W.B. 15.6° C (60° F); Outdoor: D.B. -15° C (5° F), W.B. -15° C (5° F).

*5. Indoor units receive power from outdoor units through field-supplied interconnected wiring.

LIMITED WARRANTY | Seven-year warranty on compressor. Five-year warranty on parts.

kumo cloud™

kumo cloud™ is a cloud service hosted by Mitsubishi Electric Cooling & Heating. The Wireless Interface is developed for use with kumo cloud and provides remote and local control of the HVAC system through the mobile app or web browser. One Wireless Interface is required for each indoor unit within the system. The app works with any wireless router that has a WPS (Wireless Protected Setup) button. Internet access is required for setting up kumo cloud.

Specifications and Requirements:

- Compatible with M- & P-Series systems.
- kumo cloud allows for a Mitsubishi Electric 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 units.
- Available in Fahrenheit or Celsius.
- Must have a wireless router with WPS capability.
- Internet access is required for initial set-up and scheduling.
- Each indoor unit must be equipped with a Mitsubishi Electric Wireless Interface (PAC-WHS01WF-E) installed by a licensed contractor.

Supported Platforms:

Download on the App Store

amazon apps — Available at amazon appstore for Android

GET IT ON Google play

Apple App Store iOS® 8.0 and newer.
Google Play Android™ 4.0 and newer.
Amazon Apps 4.1 and newer.

WIRELESS INTERFACE

Enable remote access and control over your Mitsubishi Electric M- & P-Series systems with the Wireless Interface and kumo cloud app. The Wireless Interface is an integral part of the kumo cloud solution, allowing a Mitsubishi Electric indoor unit to communicate with the web-based app and web service. Through a wireless connection over the local network, the Wireless Interface establishes a remote connection with the cloud and provides remote control and management of your system.

Specifications and Requirements:

- Allows for a Mitsubishi Electric indoor unit to communicate with the kumo cloud™ app and web service.
- Also accessible with a remote connection through kumocloud.com.
- Connects to indoor unit via CN105.
- Includes a WPS button to aid in pairing with a wireless router.
- Features a reset button and three LED's that display device status.
- Dimensions (HxWxD): 3.5"×1.9"×0.8"
- Weight: 3.7oz (including cable)
- RF channel : 1ch ~ 11ch
- Radio protocol: IEEE 802.11b/g/n (20)
- Encryption: AES
- Authentication: PSK
- Requires a wireless router with WPS capability and internet access for initial set-up and scheduling.

CONTROLLERS

MRCH1

RED LINK™ Wireless Technology

MIFH1

WIRELESS WALL-MOUNTED REMOTE CONTROLLER

- Backlit, easy-to-read display
- Dual setpoint control with system changeover
- Enabled with RedLINK™ reliability
- Installs anywhere with simple wall-mounted design
- Compatible with MCCH1 Portable Central Controller and MOS1 Outside Air Sensor
- Requires wireless interface (included in kit)

MIFH1 WIRELESS RECEIVER

- Required for MRCH1 Wireless Remote Controller - included in MHK1 Kit
- Enabled with RedLINK reliability

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

Optional RedLINK Internet Gateway
(Available through select distributors)

- Connects any RedLINK Comfort System to the Internet to provide remote access from PC, smartphone or tablet
- No monthly fee, free app download
- Remotely monitor and control your cooling and heating system, at any time, from any place
- View/change system settings and access multiple systems/zones
- Provides over 90° temperature/comfort alerts through a dedicated website
- Upgrades automatically as new features become available

REDLINK™
Wireless Technology

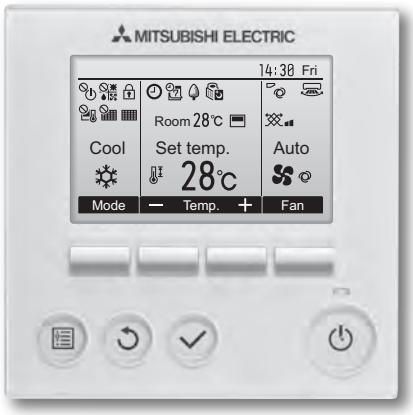
Just connect the Gateway device (far right) to your internet router, download the free app, register a serial number with the Gateway web site and pair the system with the RedLINK enabled devices of your choice. You'll be ready to control in about 15 minutes.

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-32MAA WIRED 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 Wired MA Controller, the allowable set temperature range can be reduced for cool and heat modes
- Function Lock Out: Prohibits all functions or all functions except On/Off from the Wired MA controller
- Wiring: connects using two-wire, stranded, non-polar control wire to indoor unit connection terminal or control adapter requires crossover wiring for indoor unit grouping
- Add setting screen for 3D i-see sensor, draft reduction mode
- Dimensions: 4-3/4 x 3/4 x 4-3/4" (120 x 19 x 120 mm)

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
- Grouping: Same group use only with other PAC-YT53CRAU Simple MA Controllers, PAR-32MAA Wired MA Remote Controller, and PAR-FL/A32MA Wireless MA Remote Controllers with up to two remote controllers per group
- Wiring: Uses two-wire, stranded, non-polar control wire for connecting TB15 connection terminal on the indoor unit. Requires crossover wiring for grouping across indoor units
- Dimensions: 2-3/4 x 9/16 x 4-3/4" (70 x 14.5 x 120mm)

PAC-SF83MA-E M-NET ADAPTOR

- Connects P-Series System to Mitsubishi Electric's M-NET Control network
- Provides connection and control from Central Control Systems
- Identifies P-Series System with address settings

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.

FUNCTION	DESCRIPTION
ON/OFF	On/Off operation for group of up to 16 indoor units
Operation Mode	Cool / Drying / Auto / Heat / Fan only Available operation modes vary depending on connected system
Temperature Setting	Set temperature from 67°F – 86°F depending on operation mode and connected system
Timer Operation	On/Off timer
Fan Speed Setting	Hi/Mid-2/Mid-1/Low/Auto Available fan speed settings vary depending on the connected system
Air Flow Direction Setting	Air flow angles: 100º - 80º - 60º - 40º and oscillate Available air flow direction settings vary depending on connected system
Permit/Prohibit Function	Individual prohibit operations for each remote controller function (ON/OFF, Set Temperature, Operation Mode and Filter reset)
Space Temperature	Displays setpoint temperature only
Dimensions - (W x D x H)	5-1/8" x 3/4" x 4-3/4"
Power Supply	2 AAA batteries

REMOTE TEMPERATURE SENSOR (PAR-SE41TS-E)

- Allows for remote temperature monitoring within the indoor unit's zone.
- Wires back to the indoor unit to the CN20 to replace 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.

THERMOSTAT INTERFACE (PAC-US444CN-1)

- Allows a thermostat or I/O controller to control a Mitsubishi Electric P-Series indoor unit.
- Requires one thermostat interface per indoor unit.
- Indoor unit modes available: Cool, Heat, Fan, and Off.
- Provides 3 input terminals to control fan speed control:
  High, Medium, and Low.
- No addressing required.
- Connection: CN105 – Active IT Terminal.
- Thermostats Tested:
  - » Nest®.
  - » Honeywell Lyric®.
  - » INNCOM® with High and Low fan speed control.
- Dimensions: (H x W x D) 3.96 in x 3.17 in x 0.93 in.
- Terminal Block: 20-30 VAC Rated.
- Requirements:
  - » Active CN105 on Mitsubishi Electric indoor unit control board.
  - » HVAC thermostat or I/O controller (field supplied).
  - » 24VAC transformer needed (field supplied).

H2i® P-SERIES (PUZ-HA**N MODELS)
OPERATING CONDITIONS

		INDOOR INTAKE AIR TEMPERATURE	OUTDOOR INTAKE AIR TEMPERATURE
COOLING	MAXIMUM	90º F D.B., 73º F W.B.	115º F D.B.
	MINIMUM	66º F D.B., 59º F W.B.	0º F D.B.*
HEATING	MAXIMUM	83º F D.B.	70º F D.B., 59º F W.B.
	MINIMUM	63º F D.B.	-13º F D.B., -13º F W.B.

* With wind baffle accessory installed. Without wind baffle installed, the minimum temperature will be 23º F D.B.

P-SERIES (PUY/PUZ-NHA6 MODELS) OPERATING CONDITIONS

		INDOOR INTAKE AIR TEMPERATURE	OUTDOOR INTAKE AIR TEMPERATURE
COOLING	MAXIMUM	95º F D.B., 71º F W.B.	115º F D.B.
	MINIMUM	67º F D.B., 57º F W.B.	0º F D.B.*
HEATING	MAXIMUM	80º F D.B., 67º F W.B. (PUZ-A)	70º F D.B., 59º F W.B. (PUZ-A)
	MINIMUM	70º F D.B., 60º F W.B. (PUZ-A)	12º F D.B., 10º F W.B. (PUZ-A)

* With wind baffle accessory installed. Without wind baffle installed, the minimum temperature will be 23º F D.B.

REFRIGERANT LINE LENGTH FLARE/FLARE

INDOOR UNIT	OUTDOOR UNIT	H2i	LENGTH IN FEET	HEIGHT IN FEET
PKA-A12HA6	PUY-A12NHA6	—	100	100
PKA-A18HA6	PUY/Z-A18NHA6	—	100	100
PKA-A24KA6	PUY/Z-A24NHA6	—	165	100
PKA-A30KA6	PUY/Z-A30NHA6	—	165	100
PKA-A36KA6	PUY/Z-A36NHA6	—	165	100
PKA-A30KA6	PUZ-HA30NHA4	YES	245	100
PKA-A36KA6	PUZ-HA36NHA4	YES	245	100
PLA-A12BA6	PUY-A12NHA6	—	100	100
PLA-A18BA6	PUY/Z-A18NHA6	—	100	100
PLA-A24BA6	PUY/Z-A24NHA6	—	165	100
PLA-A30BA6	PUY/Z-A30NHA6	—	165	100
PLA-A36BA6	PUY/Z-A36NHA6	—	165	100
PLA-A42BA6	PUY/Z-A36NHA6	—	165	100
PLA-A30BA6	PUZ-HA30NHA4	YES	245	100
PLA-A36BA6	PUZ-HA36NHA4	YES	245	100
PLA-A42BA6	PUZ-HA42NKA	YES	245	100
PCA-A24KA6	PUY/Z-A24NHA6	—	165	100
PCA-A30KA6	PUY/Z-A30NHA6	—	165	100
PCA-A36KA6	PUY/Z-A36NHA6	—	165	100
PCA-A42KA6	PUY/Z-A36NHA6	—	165	100
PCA-A30KA6	PUZ-HA30NHA4	YES	245	100
PCA-A36KA6	PUZ-HA36NHA4	YES	245	100
PCA-A42KA6	PUZ-HA42NKA	YES	245	100
PEA-A12AA6	PUY-A12NHA6	—	100	100
PEA-A18AA6	PUY/Z-A18NHA6	—	100	100
PEAD-A24AA5	PUY/Z-A24NHA6	—	165	100
PEAD-A30AA5	PUY/Z-A30NHA6	—	165	100
PEAD-A36AA5	PUY/Z-A36NHA6	—	165	100
PEAD-A42AA5	PUY/Z-A36NHA6	—	165	100
PEAD-A30AA5	PUZ-HA30-NHA6	YES	245	100
PEAD-A36AA5	PUZ-HA36NHA4	YES	245	100
PEAD-A42AA5	PUZ-HA42NKA	YES	245	100
PVA-A30AA4	PUZ-HA30NHA4	YES	245	100
PVA-A36AA4	PUZ-HA36NHA4	YES	245	100
PVA-A42AA4	PUZ-HA42NKA	YES	245	100

P-SERIES ACCESSORIES

Accessories Part Numbers	Used with Models	Descriptions
4-Way Cassette Accessories		
PAC-SH51SP-E	PLA-A**BA6	Air Outlet Shutter Plates (1 set = 2 pieces)
PAC-SH53TM-E	PLA-A**BA6	Multi-Function Casement (High Efficiency Filter Element not included)
PAC-SH59KF-E	PLA-A**BA6	High Efficiency (MERV 10) Filter Element (Requires PAC-SH53TM-E Multi-Function Casement)
Air Outlet Guide		
PAC-SG58SG-E	PUZ/Y-A12,18 outdoor units	Air Outlet Guide (Directs airflow upward from outdoor fan)
PAC-SG59SG-E	PUY/Z-A24,30,36 (requires 1) PUY/Z-A42, PUZ-HA30,36,42 (requires 2)	Air Outlet Guide (Directs airflow upward from outdoor fan)
Bottom Return Plates		
BRP-2	PEA-A12	Bottom Return Plate (Converts low profile ducted indoor unit from rear return to bottom return)
BRP-3	PEA-A18	Bottom Return Plate (Converts low profile ducted indoor unit from rear return to bottom return)

P-SERIES ACCESSORIES (CONT.)

Accessories Part Numbers	Used with Models	Descriptions
Controls Accessories		
PAC-715AD	All P-Series indoor units	Remote on/off for connector CN32
PAC-725AD	All P-Series indoor units	Operation status/error, booster fan control for fresh air CN51
PAC-SA1ME-E	PLA-A**BA6	i-see sensor corner panel
PAC-SE41TS-E	All P-Series indoor units	Remote temperature sensor for indoor units
PAC-SF40RM-E	PCA, PLA, PEA(D), PVA indoor units	Remote Operation Adapter with wire terminals for remote on/off and operation status/error
PAC-SF83MA-E	All P-SERIES outdoor units	M-NET control adapter for Building Management System
PAC-SH91MK-E	PCA-A**KA6	i-see sensor Kit
PAR-FA32MA	PLA-A**BA6	Wireless Signal Receiver used with PAR-FL32MA
PAR-SA92MW-E	PCA-A**KA6	Wireless remote controller kit with i-see sensor (includes T7WE13714 wireless remote controller)
PAR-SA9FA-E	PLA-A**BA6	Wireless Signal Receiver Corner Panel for PAR-FL32MA
PAR-SL93B-E	PCA-A**KA6	Wireless remote controller kit includes T7WE13714 wireless remote controller
RCMKP1CB	All P-Series indoor units	Lockdown Bracket for wireless remote controller
TAZ-MS303	All P-Series indoor units	3-Pole Disconnect Switch 30 Amps 600 volts rated for turning power supply off at indoor unit
Filters		
PAC-SH90KF-E	PCA-A36,A42 indoor units	High Efficiency (MERV 8) Filter Element
PAC-SH89KF-E	PCA-A24/30KA6	High Efficiency (MERV 8) Filter Element
Mounting Pads		
ULTRILITE1	PUY/Z-A12,18 outdoor units	Condensing Unit Mounting Pad 16" x 36" x 3"
ULTRILITE2	PUY/Z-A24,30,36,42 outdoor units and PUZ-HA30,36 outdoor units	Condensing Unit Mounting Pad 24" x 42" x 3"
Piping Accessories		
MSDD-50TR-E	P-Series IDU's supported on PUY/Z-A24,A36 and PUZ-HA36 outdoor units only	P-SERIES Twinning Distribution Pipe Kit
P-Series Service Tool		
PAC-SK52ST	All P-Series outdoor units	Service Tool with display screen for operation and diagnostic data

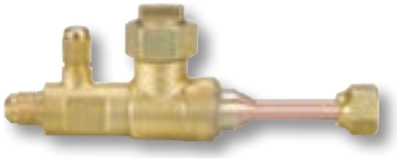
Accessories Part Numbers	Used with Models	Descriptions
Condensate Removal Accessories		
PAC-SH71DS-E	PUY/Z-A42 outdoor units	Drain Socket
PAC-SG56AG-E	PUZ/Y-A12/18 outdoor units	Outdoor Drain Pan
PAC-SH63AG-E	PUY/Z-A24,30,36,42 and PUZ-HA30,36,42 outdoor units	Outdoor Drain Pan
PAC-SH84DM-E	PCA-A**KA6	Drain Pump
SI30-115/230	All P-Series indoor units	Mini-Condensation Pump
X87-721	All P-Series indoor units	Blue Diamond "Maxi Blue" Condensate Pump 230 volts
DPLS2	All current Mitsubishi Electric Indoor Units	Drain Pan Level Sensor
X85-003	Blue Diamond Micro Blue Condensate Pump 110-240V Multi-voltage Pump	Condensate Pump
SI30-115	Sauermann Mini Condensation Pump: 115V	Condensate Pump
X87-711	Blue Diamond Maxi Blue 110V with Reservoir	Condensate Pump
X87-831	Blue Diamond Maxi Blue 110V with Reservoir	Condensate Pump
SI30-230	Sauermann Mini Condensation Pump: 230V	Condensate Pump
X87-721	Blue Diamond Maxi Blue 208/230V w/reservoir sensor	Condensate Pump
X87-835	Blue Diamond Maxi Blue 208/230V w/reservoir sensor	Condensate Pump
C21-014	For use with Blue Diamond Pumps	MultiTank Kit
C13-103	For use with Blue Diamond Pumps	Control cable extension lead
F10-011	For use with Blue Diamond Pumps	Rubber mounting installation pads (2)
Wind Baffle Accessories		
WB-PA1	PUZ/Y-A12/18	Front wind baffle (extends full capacity range down to 0° F)
WB-PA2	PUZ/Y-A24/30/36 (requires 1) PUZ/Y-A42, PUZ-HA30,36 (requires 2)	Front wind baffle (extends full capacity range down to 0° F)
WB-RE1	PUY-A12/18NHA6	Rear wind baffle (extends full capacity range down to -20° F*)
WB-SD1	PUY-A12/18NHA6	Side wind baffle (extends full capacity range down to -20° F*)
WB-RE2	PUY-A24/30/36NHA6	Rear wind baffle (extends full capacity range down to -20° F*)
WB-SD2	PUY-A24/30/36NHA6	Side wind baffle (extends full capacity range down to -20° F*)
WB-RE3	PUY-A42NHA6	Rear wind baffle, PUY-A42NHA6 units do NOT have teh etended cooling range below 0° F
WB-SD3	PUY-A42NHA6	Side wind baffle, PUY-A42NHA6 units do NOT have teh etended cooling range below 0° F
*Side AND rear wind baffles may be required, the installation location will dictate specific wind baffle requirements.		

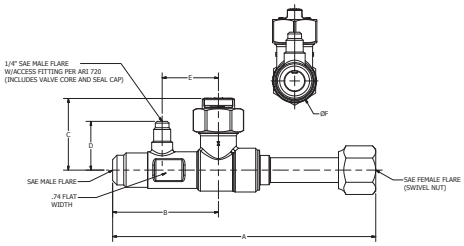
BALL VALVES

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

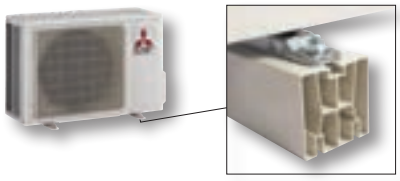
∗ Ball valves come with an insulation piece.

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



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, MiniSplit 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-A12NHA6	X		X		X	
PUY/Z-A18NHA6	X		X		X	
PUY/Z-A24NHA6	X		X		X	
PUY/Z-A30NHA6	X		X		X	
PUY/Z-A36NHA6	X		X		X	
PUY/Z-A42NHA6		X		X		X
PUZ-HA30		X		X		X
PUZ-HA36		X		X		X
PUZ-HA42		X		X		X

FILTER BOXES

FILTER BOXES

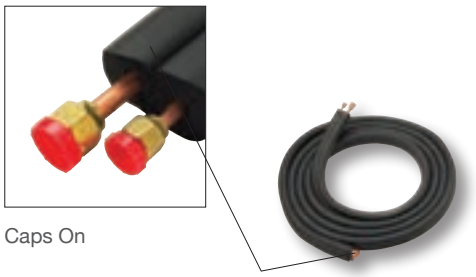
FB Series filter boxes are available in compatible sizes for all P-Series horizontal ducted indoor units. FBL1 filter boxes include 1" thick pleated MERV 8 filter(s) installed. Filters are tested in accordance with ANSI/ASHRAE Standard 52.2 and Rated Class 2 under U.L. Standard 900.

The cabinet is constructed of non-insulated 20 gauge, G-60 galvanized steel with a foam gasket and provides an air-tight connection to the indoor unit and access door. Gasket material complies with UL 723 requirements. In addition, a screw-through cabinet design for secure attachment to indoor unit and return connection in rear is easily field-converted to bottom return.

Part Number	Part Description
FBL1-2	FB Series Filter Box for PEA-A12AA6
FBL1-3	FB Series Filter Box for PEA-A18AA6
FBM2-3	FB Series Filter for PEAD-A24/30AA5
FBM2-4	FB Series Filter for PEAD-A36/42AA5

LINESETS

DIAMONDBACK™

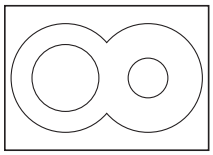


Caps On

DIAMONDBACK LINESETS

Diamondback linesets include the following features:

- Quick, efficient, and economical field installation using factory applied Twin Lube insulation and flare connections with flare nuts mounted
- Correct lengths for reducing waste and time
- Quality, consistency, and economy
- All Diamondback lineset tubing is tested in accordance with ASTM E243
- One year warranty



"TWIN-TUBE" LINESET INSULATION DESIGN

- Balanced outside diameter for uniform coil/uncoil position stability.
- Minimum 1/2" insulation thickness on both tubes
- Meets UL94 and ASTM E84 Standard

Model Number	Tube Size	Length	Insul.	Use with Mitsubishi Electric Models
MLS141212T-15	1/4" x 1/2"	15'	1/2"	P-Series Indoor Units (PKA,PLA,PEA) from 12,000 Btu/h to 18,000 Btu/h
MLS141212T-30	1/4" x 1/2"	30'	1/2"	
MLS141212T-50	1/4" x 1/2"	50'	1/2"	
MLS141212T-65	1/4" x 1/2"	65'	1/2"	
MLS141212T-100	1/4" x 1/2"	100'	1/2"	
MPLS385812T-10	3/8" x 5/8"	10'	1/2	P-Series Indoor Units (PCA, PEAD, PKA, PLA) from 24,000 Btu/h to 42,000 Btu/h
MPLS385812T-15	3/8" x 5/8"	15'	1/2"	
MPLS385812T-30	3/8" x 5/8"	30'	1/2"	
MPLS385812T-50	3/8" x 5/8"	50'	1/2"	
MPLS385812T-65	3/8" x 5/8"	65'	1/2"	
MPLS385812T-100	3/8" x 5/8"	100'	1/2"	

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
Lossnay® Controller

PZ-43SMF-E
Lossnay® Controller

M-SERIES
INVERTER-driven

For more information on our
INVERTER-driven product line visit our website at
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