MITSUBISHI ELECTRIC
COOLING & HEATING

P-Series Full-line Catalog

Commercial-grade Applications

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

www.mitsubishipro.com

Take a Closer Look at the P-Series Commercial Systems from Mitsubishi Electric Cooling and Heating Solutions.

Explore the Ultimate Value in Today's Commercial HVAC Market.

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

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 means your customers will save energy—and major costs—while experiencing precise control over their comfort year-round.

Zone Control plus Personal Control

Split ductless and ducted systems use refrigerant lines to connect outdoor units to one or more indoor air handlers. The result of this benefit is that the temperature within any space with an indoor unit installed can be controlled to provide the perfect temperature. Along with this capability to provide precise temperature control for any space, our systems also offer the unique ability to condition only those spaces in current use at any given time.

Mitsubishi Electric's systems employ user-friendly wireless, wall-mounted, or hand-held controllers which deliver pinpoint comfort very efficiently. 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 your commercial grade applications, you're making an excellent choice that your customers will appreciate for its intelligent function and the true, year-round eco-comfort it delivers.

MITSUBISHI ELECTRIC 30 YEARS

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 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. Local and state government plus utility companies provide tax credits and rebate opportunities for energy-efficient systems. Check to see what is available in your area by visiting www.dsireusa.org.

How many P-Series systems are ENERGY STAR rated and qualify for the federal tax credit?

9 systems are ENERGY STAR rated

PKA-A30KA, PKA-A36KA, PLA-A30BA, PLA-A36BA, PCA-A30KA, PCA-A36KA –, PEA-A18AA (x2), PEAD-A30AA, PEAD-A30AA

2 systems qualify for the federal tax credit

PLA-A36BA, PEA-A18°AA

For details on qualifying for the tax credit, visit www.mitsubishicomfort.com/taxcredit, and for information on available local rebate opportunities from state or utility companies, visit www.dsireusa.org, which is a U.S. Department of Energy Information service.

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Commerical-grade HVAC Applications?

Rely on Mitsubishi Electric's rugged, efficient P-Series systems to deliver maximum environmental comfort control plus energy savings for all of your needs.

Whatever P-Series system your client selects, you'll be backed start to finish with reliable technical and application support straight from Mitsubishi Electric Cooling and Heating Solutions. Our innovative technologies, environmentally advanced designs, and super-efficient systems are the right solution for your commercial, institutional, and large residential installations.

P-Series air conditioners and heat pumps are the perfect choice for an array of demanding commercial settings:

- Small or Large Office
- Server/Equipment Room
- Retail Shop
- Restaurant Kitchen
- Fitness Center
- Day Care
- Classroom


PCA Indoor Unit
PKA 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 combination heat pump (PUZ) models. Each is compatible with any of the P-Series indoor units. You and your clients 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. 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.

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, more consistent comfort in every space
Indoor unit powered by outdoor unit	Separate power supply not needed
Rugged housing, tough cabinet finish, strong welds at numerous stress points	Durability for years of reliable service
Durable, aerodynamic fan design	Super-quiet operation at all speeds
Quiet cooling operation down to 0˚ F*	High performance for all climates, south to north, east to west
L-shape condenser coil features copper tubing and aluminum fins	Greatly reduced debris accumulation that allows maximum airflow
Cabinet mounting and construction are designed to withstand 155 MPH	Peace of mind for customers in tornado/ hurricane-prone areas
Easy interior access to every P-Series indoor and outdoor unit	More efficient and less costly routine maintenance and servicing

* With optional wind baffle added

Highly efficient Mitsubishi Electric INVERTER-driven compressors for models PUY/Z (A18/24/30/36) are DC twin-rotor type. The compressor for model PUY/Z (A42) is a Framed Compliant Scroll compressor. All compressors offer high performance due to advanced variable-speed INVERTER-drive technology, which varies the compressor speed dynamically to adapt continuously to the room load. Excellent efficiency and significant energy savings are the result.

Electronic linear expansion valves are employed to meter precisely and provide fine controls to adapt continuosly, the refrigerant flow, ensuring exact capacity delivery. Mitsubishi P-Series outdoor models 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 offer the advantage that 98 percent of input power is utilized.

PUY/PUZ-NHA4
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**NHA2 (H2i®)
Hyper-Heating INVERTER

30,000 to
36,000 Btu/h

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

Flexible Control

User-friendly and efficient zone control gives your customers the option to cool or heat only those spaces which are occupied. The controller does not even have to be in the space shared with the indoor unit. Among the energy-saving features of the controller are a weekly timer, temperature range limiting, auto-off, fault code notification, and service-call number display.

Easy-Care Filters

Convenient tabs make it easy for anyone to remove the washable filters quickly for faster cleaning in the PKA, PCA, and PLA indoor units. Your customers will also save time and money because they won't need to replace the filters. PEA/PEAD models offer optional filter boxes for easy access and service.

Auto Cooling/Heating Changeover

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

Bring in Outside Air

You will be able to install ducting with minimal on-site work to bring in outside air for PCA, PLA, and PEA/PEAD indoor units. A healthy, comfortable indoor environment is the result. Energy Recovery Ventilators (ERVs) with integrated controls are also available. Outside air ventilation systems, ducting, and controls are provided separately.

INVERTER Compressor
Shown inside insulated compartment

In Mitsubishi's P-Series, Four Types of High-Performance Indoor Models Let You Match with a Versatile Lineup of Efficient, INVERTER-driven Outdoor Units to Provide a Truly Custom Solution.

P-SERIES INDOOR UNITS:

PKA Wall-mounted Air Conditioners and Heat Pumps

12,000-34,200 Btu/h

- Sleek, slim-line design
- Ductless installation
- RedLINK™ enabled for wall-mounted wireless, hand-held wireless or wired controller
- Easy-clean, washable filter
- Ideal for spaces such as churches, classrooms, daycare centers, out buildings, small offices, 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 – requires multifunction casement)*
- RedLINK enabled for wall-mounted wireless hand-held wireless or wired controller easy-clean, washable filter
- 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
- RedLINK enabled for wall-mounted wireless hand-held, wireless or wired controller
- Easy-clean, washable filter
- Ideal for larger retail stores, classrooms, restaurants, office spaces, building entrances, plus energy-efficient additions, renovations, and more
- Suspends from ceiling for quick easy install

PEA/PEAD Horizontal-ducted Air Conditioners and Heat Pumps

12,000-42,000 Btu/h

- Unobtrusive concealed ceiling design for short-run ductwork
- Built-in condensate lift mechanism
- Automatic fan speed control
- RedLINK enabled for wall-mounted wireless hand-held, wireless or wired controller
- Optional filter boxes for easy access and service
- Ideal in retail shopping centers, larger classrooms, auditoriums, office complexes, conference ballrooms, fitness centers, and more

See page 26 for information on the MHK1 Remote Controller Kit

Ultimate Comfort Meets Ultimate Convenience

Select from a wall-mounted, wireless wall-mounted, or hand-held wireless controller for ultimate comfort control. (PKA-HA/KA) for ultimate comfort control or a handheld wireless controller. The set-temperature display is large and easy to read. Using the 24-hour timer, you can get the unit operation to start and stop at specified times. The convenient remote provides easy control of the fan speed as well as the Cool, Heat, Auto, and Dry modes from anywhere in the room. The hand-held wireless remote controller is easier to use than most TV remotes for P-Series systems.

Lightweight, Easy-to-install Indoor Unit

The smallest PKA unit measures about 36" wide, 11-1/2" tall, and 9-3/4" deep. It weighs just 29 lbs., is easily installed above windows or doorways, and can typically be installed by just two licensed installers in about a half day. The wall-mounted models don't require duct work, only a small three-inch opening in the wall or ceiling so they can be installed in some of the toughest spaces even on brick and masonry walls.

Auto Vane Control

During operation the vane 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.

Control Airflow Angle for Better Coverage

With the wired remote controller four different airflow positions can be set. 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.

i-see™ Sensor Optional Accessory

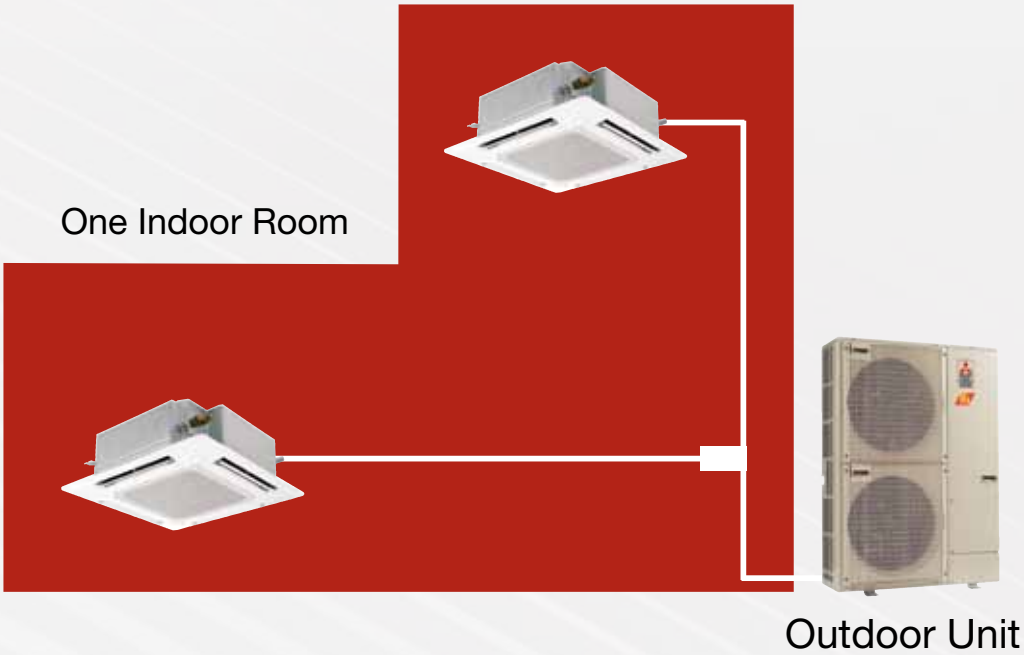
The field-installed i-see sensor accessory improves the operation in the room by sensing and controlling the temperature felt by the room's occupants to help prevent cooling and heating extremes (optional for PL/PC models). Taking floor temperature samples five times every 40 seconds over a 160˚ angle of the surface area, sensors alter the AUTO FAN setting and VANE control setting to account for ambient room temperature fluctuations from the set point.

i-see™ Sensor Optional Accessory

i-see Sensor

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 rotates 90° slowly 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 detail

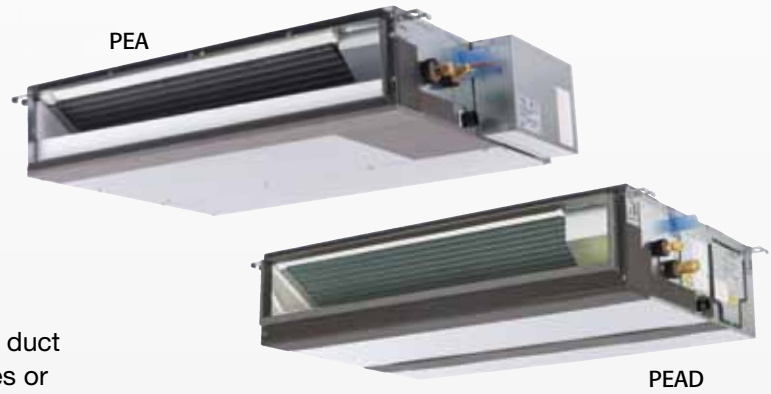


Two-in-one Twinning

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.

Built-in Drain Lift Mechanism

The PEA indoor unit features a built-in drain pump that lifts condensation up to 21-11/16 inches above the drain pan and up to 27-9/16 inches for the PEAD indoor unit. The unit's fail-safe mechanism recognizes when there is a high level in the condensate pan and shuts off the indoor fan and the outdoor unit compressor to prevent overflow.



When installed, the PEA/PEAD indoor unit utilizes short duct runs, allowing for the air 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/PEAD systems expand the number of application possibilities.

P-Series Hyper-Heating INVERTER

BRINGING YEAR-ROUND COMFORT
SOLUTIONS TO EXTREME CLIMATES.

Heat Pump System:
30,000 to 34,000 Btu/h Capacity

Unequaled Year-round Comfort

The dual cooling and heating performance of Mitsubishi Electric's INVERTER-driven heat pump systems is appreciated by commercial businesses all across the country. You'll find our Hyper-Heating INVERTER (H2i) P-Series technology advances the benefits a step further with the ultimate in year-round comfort in a single system. The efficient performance and comfort extend to even the coldest days of the year in most areas.

The 2.5 and 3-ton wall-mounted, ceiling-suspended, ceiling-recessed, and ducted units connect to the H2i P-Series outdoor units. This capability gives you customized performance flexible enough to excel in any light commercial application, institutional renovation, or new construction project. Rugged construction ensures cold-weather reliability.

The Next Generation in Heat Pump Technology

H2i P-Series outdoor units optimize a new level of performance to Mitsubishi Electric P-Series models, furnishing the extra heat-generating power needed to deliver comfort and consistency in extreme climates. H2i units use Mitsubishi's INVERTER-driven scroll compressor technology to achieve the desired room temperature quickly, maintaining it consistently while simultaneously conserving energy. Best of all, the integration of our exclusive H2i flash technology means these H2i P-Series units recover heat energy that is normally wasted in the flash process at 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 the H2i P-Series units deliver 100 percent of rated heating capacity at 5˚ F and 80 percent at minus 13˚ F outdoor ambient temperatures (without the use of energy-consuming electric-resistance heaters). Plus H2i systems use R410A a more efficient and environmentally safe refrigerant.

H2i P-Series heat pumps also offer a variety of features designed to take the worry out of temperature control. Two important features are automatic restart after a power outage plus automatic cool/heat changeover. Finally, H2i heat pumps offer long line-length capabilities of up to 245ft., expanding your application options.

Some spaces such as computer or mechanical rooms, or hot kitchens require a distribution of cool air even when the temperature outside is below freezing. Air conditioning down to 0˚ F is achievable with the addition of wind baffles. Whether cooling or heating, the H2i P-Series helps you offer your clients the flexibility to temper extreme outdoor temperatures.

Warm Air Quickly

At startup a special circuit in H2i P-Series quickly delivers refrigerant to the air-conditioning cycle, which rapidly increases the mass flow rate in the system. As a result, air at comfortable temperatures begins flowing from indoor units right away. Even at an outdoor temperature of -13˚ F, the H2i P-Series system can discharge 100˚ F temperature air from the indoor units. At 5˚ F outdoor temperature and above, the discharge temperature reaches an impressive 110˚ F with a 40˚ F temperature rise (see Figure 2). This feature translates into a comfortable climate in all zones whether cooling or heating, no matter the temperature outside.

Heating Performance at Low Temperatures

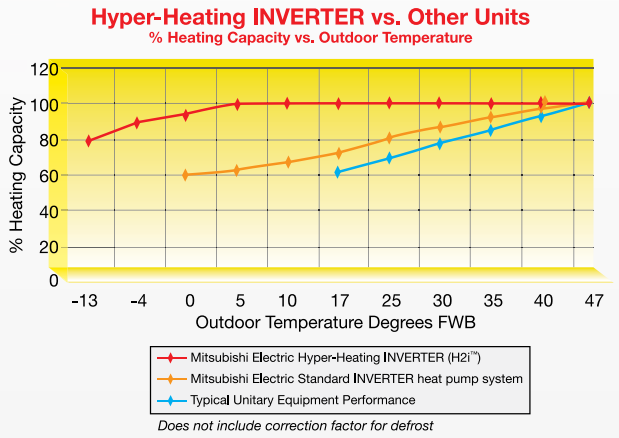
PUZ-HA30NHA

COP if	PKA	PLA	PCA	PEAD
47˚ F	3.20	2.72	3.13	3.41
17˚ F	1.84	1.63	1.81	1.90
5˚ F	1.62	1.41	1.60	1.73

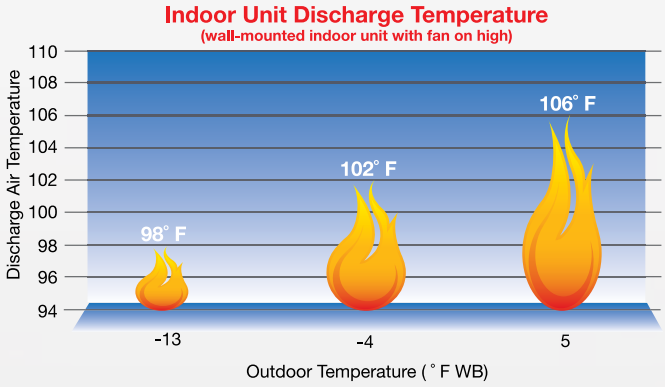
PUZ-HA36NHA

COP if	PKA	PLA	PCA	PEAD
47˚ F	3.26	3.44	3.40	3.53
17˚ F	1.85	2.10	1.94	2.06
5˚ F	1.64	1.90	1.70	1.82

(Figure 1)



(Figure 2)



ENERGY STAR® and Tax Credit Systems

Nine (9) H2i P-Series systems are ENERGY STAR rated, and two (2) systems qualify for the federal tax credit.

ENERGY STAR	Tax Credit
PKA-A30KA4	PLA-A36BA4
PKA-A36KA4	PEA-A18AA4(x2)
PLA-A30BA4	
PLA-A36BA4	
PCA-A30KA4	
PCA-A36KA4	
PEA-A18AA4(x2)	
PEAD-A30AA4	
PEAD-A36AA4	

Heating Performance at Low Temperatures

Our Hyper-Heating INVERTER system provides outstanding heating performance at extremely low temperatures while keeping effective energy usage at the forefront. See the impressive COP (Coefficient of Performance) values in the table to the left. The Mitsubishi H2i P-Series systems are able to maximize efficiency at low temperatures while providing tremendous heating output.

(PKA-A30K4 MODEL SHOWN)

PKA COOLING-ONLY

INVERTER

R410A

BS = Seacoast Protection

Model Name	Indoor Unit		PKA-A12HA4	PKA-A18HA4	PKA-A24KA4	PKA-A30KA4	PKA-A36KA4
	Outdoor Unit		PUY-A12NHA4 (-BS)	PUY-A18NHA4 (-BS)	PUY-A24NHA4 (-BS)	PUY-A30NHA4 (-BS)	PUY-A36NHA4 (-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
	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		DC24				
Indoor Unit	MCA	A	1				
	Fan Motor	F.L.A.	0.33		0.36		0.57
	Fan Motor Output	W	30		56		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 O.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	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.	100		165		
Connection Method	Indoor/Outdoor		Flared/Flared				

NOTES: Test conditions are based on AHRI 210/240.

*1. Rating conditions (cooling)-Indoor: D.B. 80° F (27° C), W.B. 67° F (19° C); Outdoor: D.B. 95° F (35° C), W.B. 75° F (24° C).

*2. 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-A30KA4 MODEL SHOWN)

PKA HEAT PUMP

INVERTER

R410A

BS = Seacoast Protection

Model Name	Indoor Unit		PKA-A18HA4	PKA-A24KA4	PKA-A30KA4	PKA-A36KA4
	Outdoor Unit		PUZ-A18NHA4 (-BS)	PUZ-A24NHA4 (-BS)	PUZ-A30NHA4 (-BS)	PUZ-A36NHA4 (-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
	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
	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	Capacity	Btu/h	13,000	18,000	23,000	25,000
	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		DC24			
Indoor Unit	MCA	A	1			
	Fan Motor	F.L.A.	0.33	0.36		0.57
	Fan Motor Output	W	30	56		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 O.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	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-A36KA4 MODEL SHOWN)

PCA COOLING-ONLY

INVERTER

R410A

BS = Seacoast Protection

Model Name	Indoor Unit / Outdoor Unit		PCA-A24KA4 / PUY-A24NHA4 (-BS)	PCA-A30KA4 / PUY-A30NHA4 (-BS)	PCA-A36KA4 / PUY-A36NHA4 (-BS)	PCA-A42KA4 / PUY-A42NHA4 (-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
	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		DC24V			
Indoor Unit	MCA	A	1		2	
	Fan Motor	F.L.A.	0.54		0.97	
	Fan 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	84
	Field Drainpipe Size O.D.	In.	1-1/16			
Outdoor Unit	MCA	A	18	25		26
	Recommended Fuse/Breaker Size	A	25	30		
	MOCP	A	30	40		
	Fan Motor	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			
	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			258
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. 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-A36KA4 MODEL SHOWN)

PCA HEAT PUMP

INVERTER

R410A

BS = Seacoast Protection

Model Name	Indoor Unit		PCA-A24KA4	PCA-A30KA4	PCA-A36KA4	PCA-A42KA4
	Outdoor Unit		PUZ-A24NHA4 (-BS)	PUZ-A30NHA4 (-BS)	PUZ-A36NHA4 (-BS)	PUZ-A42NHA4 (-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
	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
	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	Capacity	Btu/h	18,000	23,000	25,000	30,000
	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		DC24V			
Indoor Unit	MCA	A	1		2	
	Fan Motor	F.L.A.	0.54		0.97	
	Fan 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	84
	Field Drainpipe Size O.D.	In.	1-1/16			
Outdoor Unit	MCA	A	18	25		26
	Recommended Fuse/Breaker Size	A	25	30		
	MOCP	A	30	40		
	Fan Motor	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 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.	165			260
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-A36BA4 MODEL SHOWN WITH OPTIONAL i-see™ SENSOR)

PLA COOLING-ONLY

INVERTER

R410A

BS = Seacoast Protection

Model Name	Indoor Unit		PLA-A12BA4	PLA-A18BA4	PLA-A24BA4	PLA-A30BA4	PLA-A36BA4	PLA-A42BA4
	Outdoor Unit		PUY-A12NHA4 (-BS)	PUY-A18NHA4 (-BS)	PUY-A24NHA4 (-BS)	PUY-A30NHA4 (-BS)	PUY-A36NHA4 (-BS)	PUY-A42NHA4 (-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
	Total Input	W	1,260	1,940	2,500	4,100	4,500	4,600
	Energy Efficiency	SEER	13.5	14.2	13.6		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		DC24V					
Indoor Unit	MCA	A	1				2	
	Fan Motor	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.	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	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					INVERTER-driven Scroll
		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			258
Refrigerant	Type		R410A					
	Charge	Lbs., oz.	2, 4	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. 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-A36BA4 MODEL SHOWN WITH OPTIONAL i-see™ SENSOR)

PLA HEAT PUMP

INVERTER

R410A

BS = Seacoast Protection

Model Name	Indoor Unit		PLA-A18BA4	PLA-A24BA4	PLA-A30BA4	PLA-A36BA4	PLA-A42BA4
	Outdoor Unit		PUZ-A18NHA4 (-BS)	PUZ-A24NHA4 (-BS)	PUZ-A30NHA4 (-BS)	PUZ-A36NHA4 (-BS)	PUZ-A42NHA4 (-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
	Total Input	W	1,940	2,500	4,100	4,500	4,600
	Energy Efficiency	SEER	14.2	13.6		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
	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	Capacity	Btu/h	13,000	16,000	23,000	25,000	30,000
	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		DC24V				
Indoor Unit	MCA	A	1			2	
	Fan Motor	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.	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	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				INVERTER-driven Scroll
		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			260
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-A18AA4 MODEL SHOWN)

INVERTER R410A

PEA/PEAD COOLING-ONLY

BS = Seacoast Protection

Model Name	Indoor Unit		PEA-A12AA4	PEA-A18AA4	PEAD-A24AA4	PEAD-A30AA4	PEAD-A36AA4	PEAD-A42AA4
	Outdoor Unit		PUY-A12NHA4 (-BS)	PUY-A18NHA4 (-BS)	PUY-A24NHA4 (-BS)	PUY-A30NHA4 (-BS)	PUY-A36NHA4 (-BS)	PUY-A42NHA4 (-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
	Total Input	W	1,240	2,150	2,400	3,850	4,850	5,350
	Energy Efficiency	SEER	13.8	14.3	16.0	15.5	15.0	13.8
	Moisture Removal	Pints/h	2.47	3.26	6.9	8.6	7.9	9.0
	Sensible Heat Factor		0.77	0.80	0.68		0.75	0.76
Power Supply	Phase, Cycle, Voltage		1-phase, 60Hz, 208 / 230V *2					
Voltage	Indoor - Outdoor S1 - S2		AC208/230V					
	Indoor - Outdoor S2 - S3		DC24V					
Indoor Unit	MCA	A	1	2	2.63	2.73	3.30	3.50
	Fan Motor	F.L.A.	0.57	0.74	2.10	2.18	2.64	2.80
	Fan Motor Output	W	96		121		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 - 0.20 - 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.	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	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					INVERTER-driven Scroll
		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			258
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.	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-A18AA4 MODEL SHOWN)

PEA/PEAD HEAT PUMP

INVERTER

R410A

BS = Seacoast Protection

Model Name	Indoor Unit		PEA-A18AA4	PEAD-A24AA4	PEAD-A30AA4	PEAD-A36AA4	PEAD-A42AA4
	Outdoor Unit		PUZ-A18NHA4 (-BS)	PUZ-A24NHA4 (-BS)	PUZ-A30NHA4 (-BS)	PUZ-A36NHA4 (-BS)	PUZ-A42NHA4 (-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
	Total Input	W	2,150	2,400	3,850	4,850	5,350
	Energy Efficiency	SEER	14.3	16.0	15.5	15.0	13.8
	Moisture Removal	Pints/h	3.26	6.9	8.6	7.9	9.0
	Sensible Heat Factor		0.80	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
	Total Input	W	1,540	2,250	2,990	3,290	3,820
	HSPF (IV)	Btu/h/W	10	10.2	9.4	9.8	10.0
Heating at 17° F *3	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		AC208/230V				
	Indoor - Outdoor S2 - S3		DC24V				
Indoor Unit	MCA	A	2	2.63	2.73	3.30	3.50
	Fan Motor	F.L.A.	0.74	2.10	2.18	2.64	2.80
	Fan 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 - 0.20 - 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.	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	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				INVERTER-driven Scroll
		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			260
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.

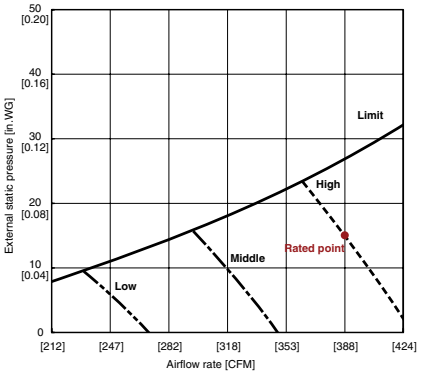
LIMITED WARRANTY | Seven-year warranty on compressor. Five-year warranty on parts.

(PEA-A18AA4 MODEL SHOWN)

PEA/PEAD STATIC PERFORMANCE CURVES

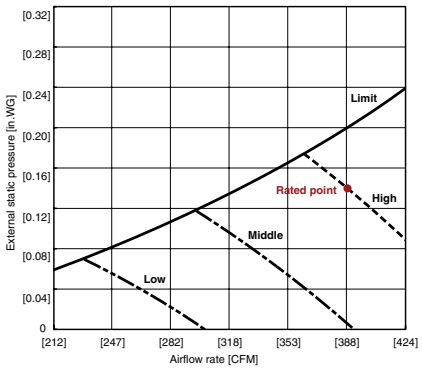
PEA-A12AA4

(External static pressure 0.06 [in.WG]) 208/230V 60Hz



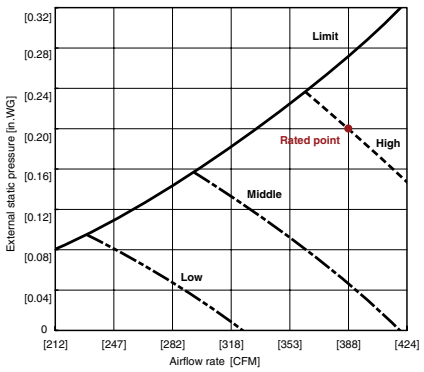
PEA-A12AA4

(External static pressure 0.14 [in.WG]) 208/230V 60Hz



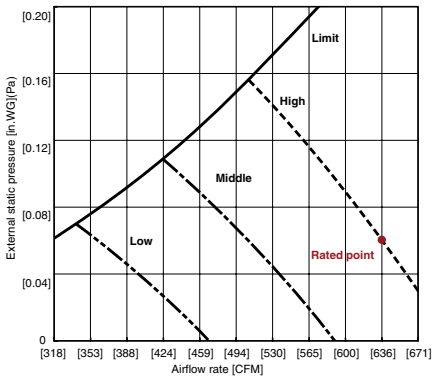
PEA-A12AA4

(External static pressure 0.20 [in.WG]) 208/230V 60Hz



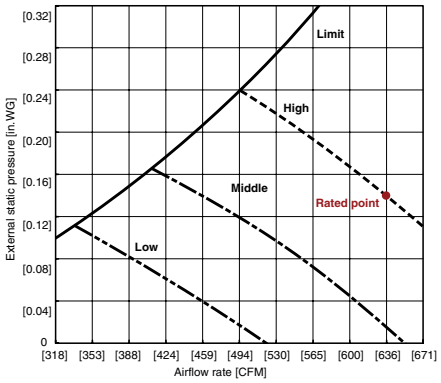
PEA-A18AA4

(External static pressure 0.06 [in.WG]) 208/230V 60Hz



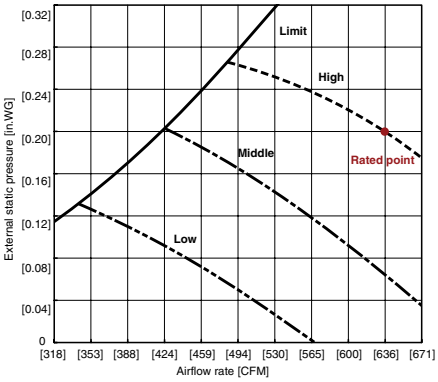
PEA-A18AA4

(External static pressure 0.14 [in.WG]) 208/230V 60Hz



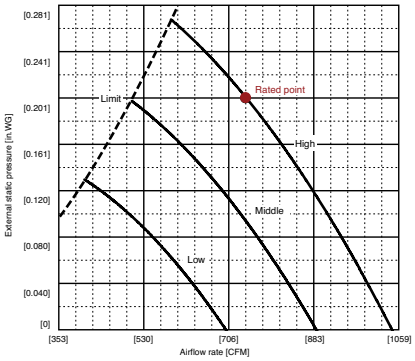
PEA-A18AA4

(External static pressure 0.20 [in.WG]) 208/230V 60Hz



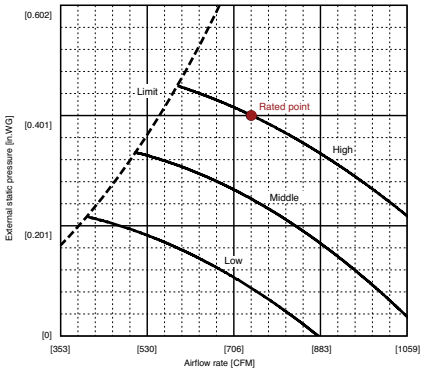
PEAD-A24AA4

(External static pressure 0.20 [in W.G.]) 208-230V 60Hz



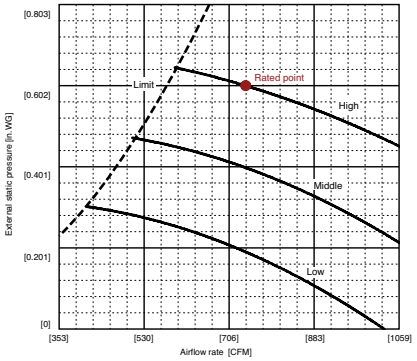
PEAD-A24AA4

(External static pressure 0.40 [in W.G.]) 208-230V 60Hz



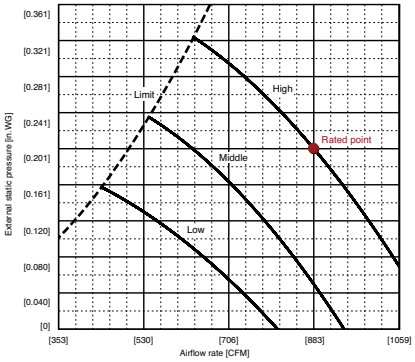
PEAD-A24AA4

(External static pressure 0.60 [in W.G.]) 208-230V 60Hz



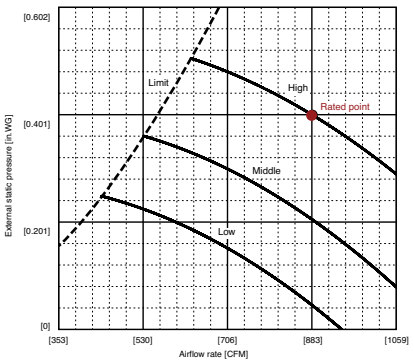
PEAD-A30AA4

(External static pressure 0.20 [in W.G.] 208-230V 60Hz



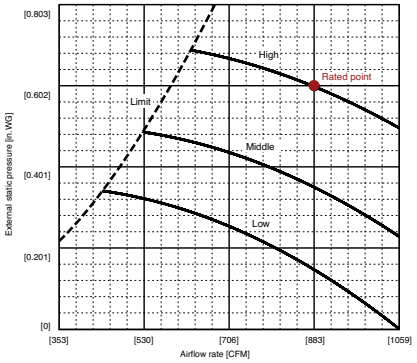
PEAD-A30AA4

(External static pressure 0.40 [in W.G.] 208-230V 60Hz

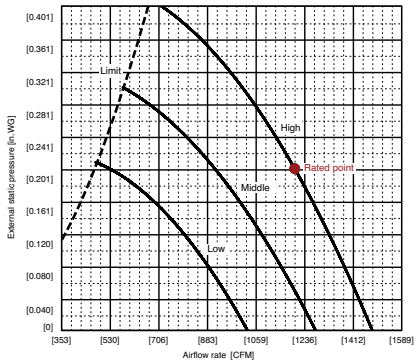


PEAD-A30AA4

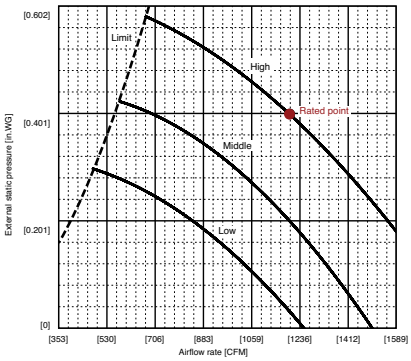
(External static pressure 0.60 [in W.G.] 208-230V 60Hz



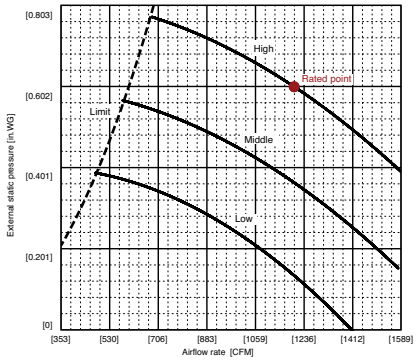
PEAD-A36AA4
(External static pressure 0.20 [in W.G.]) 208-230V 60Hz



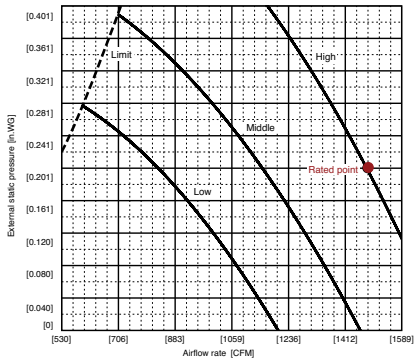
PEAD-A36AA4
(External static pressure 0.40 [in W.G.]) 208-230V 60Hz



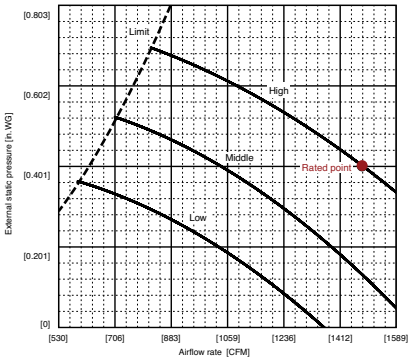
PEAD-A36AA4
(External static pressure 0.60 [in W.G.]) 208-230V 60Hz



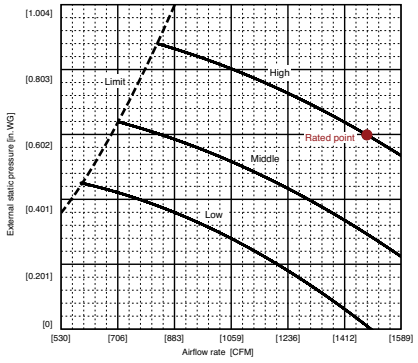
PEAD-A42AA4
(External static pressure 0.20 [in W.G.]) 208-230V 60Hz



PEAD-A42AA4
(External static pressure 0.40 [in W.G.]) 208-230V 60Hz



PEAD-A42AA4
(External static pressure 0.60 [in W.G.]) 208-230V 60Hz



Ducting considerations for the PEA/PEAD Horizontal Ducted Indoor Unit

With the introduction of ducted indoor unit products, some information on duct selection and design seems appropriate. Considering the performance and design of these indoor units, selection, and proper duct sizing and installation are critical elements to consider when designing these indoor units for satisfactory performance and installation.

The maximum available static pressure from the PEA indoor unit is 0.2 in. W.G. and for the PEADs 0.6 in. W.G. Therefore ductless design is an important element to consider for delivery of proper airflow to a conditioned space. The emphasis should still be on moving refrigerant and not air; not only will this dynamic help to work within the static pressure available, but it is also more efficient. Here are some good 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.
- 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 percent 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, for this prerequisite will help 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 percent 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

H2i® P-SERIES HEAT PUMP

INVERTER

Wall-mounted models | Ceiling-cassette models | Ceiling-suspended models

TAX CREDIT

Model Name	Indoor Unit		PKA-A30KA4	PKA-A36KA4	PLA-A30BA4	PLA-A36BA4	PCA-A30KA4	PCA-A36KA4
	Outdoor Unit		PUZ-HA30NHA2	PUZ-HA36NHA2	PUZ-HA30NHA2	PUZ-HA36NHA2	PUZ-HA30NHA2	PUZ-HA36NHA2
Cooling *1	Rated Capacity	Btu/h	30,000	33,500	30,000	34,000	30,000	34,000
	Capacity Range	Btu/h	18,000-30,000	18,000-34,200	18,000-30,000	18,000-36,000	18,000-30,000	18,000-36,000
	Total Input	W	2,500	2,790	2,450	2,690	2,480	2,810
	Energy Efficiency	SEER	16.5	16.2	15.6	17	16.1	16.6
	Moisture Removal	Pints/h	8.1	8.7	7.2	7.1	8.3	8.2
	Sensible Heat Factor		0.70	0.71	0.73	0.71	0.69	0.73
Heating at 47° F *2	Rated Capacity	Btu/h	32,000	38,000	32,000	38,000	32,000	38,000
	Capacity Range	Btu/h	18,000-34,000	18,000-40,000	18,000-34,000	18,000-40,000	18,000-34,000	18,000-40,000
	Total Input	W	2,930	3,410	3,440	3,230	2,990	3,270
	HSPF (IV)	Btu/h/W	9.5	10	9.4	10	9.3	10.3
Heating at 17° F *3	Rated Capacity	Btu/h	19,000	25,000	19,000	28,000	19,000	27,000
	Rated Total Input	W	2,570	3,330	2,710	3,590	2,830	3,490
	Maximum Capacity	Btu/h	32,000	38,000	32,000	38,000	32,000	38,000
	Maximum Total Input	W	5,080	6,010	5,720	5,300	5,170	5,720
Heating at 5° F *4	Maximum Capacity	Btu/h	32,000	38,000	32,000	38,000	32,000	38,000
	Maximum Total Input	W	5,770	6,760	6,630	5,860	5,830	6,550
Power Supply	Phase, Cycle, Voltage		1-phase, 60Hz, 208/230V *5					
Voltage	Indoor - Outdoor S1 - S2		AC208 / 230V					
	Indoor - Outdoor S2 - S3		DC24V					
Indoor Unit	MCA	A	1			2	1	2
	Fan Motor	F.L.A.	0.36	0.57	0.51	1.00	0.54	0.97
	Fan Motor Output	W	56		50	120	95	160
	Airflow (Lo-Mid-Hi or Lo-Mid1-Mid2-Hi)	DRY (CFM)	635-705-775	705-810-920	490-570-640-740	710-810-920-1,060	565-600-635-705	775-850-920-990
		WET (CFM)	570-635-700	635-730-830	460-530-600-710	670-770-880-1,030	530-565-600-670	705-775-850-920
	Sound Pressure Level (Lo-Mid-Hi or Lo-Mid1-Mid2-Hi)	dB(A)	39-42-45	43-46-49	28-30-32-34	32-34-37-40	35-37-39-41	37-39-41-43
	External Finish Color		Munsell No. 1.0Y 9.2 / 0.2		Munsell No. 6.4Y 8.9 / 0.4 (Grille)		Munsell No. 6.4Y 8.9 / 0.4	
	Dimension Unit	W: In.	46-1/16		33-1/16 (Grille: 37-3/8)		50-3/8	63
		D: In.	11-5/8		33-1/16 (Grille: 37-3/8)		26-3/4	
		H: In.	14-3/8		10-3/16 (Grille: 1-3/8)	11-3/4 (Grille 1-3/8)	9-1/16	
	Weight Unit	Lbs.	46		51 (Grille: 13)	55 (Grille: 13)	71	79
	Drain Lift Mechanism (Included)	H: In.	N/A		33-7/16		N/A	
	Field Drainpipe Size	In.	5/8 I.D.		1-1/4 O.D.		1-1/16 O.D.	
Outdoor Unit	MCA	A	28					
	Recommended Fuse/Breaker	A	30					
	MOCP	A	40					
	Fan Motor	F.L.A.	0.4 + 0.4					
	Fan Motor Output	W	60 + 60					
	Compressor	Model (Type)	INVERTER					
		R.L.A.	18					
		L.R.A.	27.5					
	Airflow	CFM	3,530					
	Refrigerant Control		Electronic Expansion Valve					
	Defrost Method		Reverse Cycle					
	Sound Pressure Level at Cooling *1	dB(A)	52					
	Sound Pressure Level at Heating *2	dB(A)	53					
	External Finish Color		Munsell No. 3Y 7.8 / 1.1					
	Dimensions	W: In.	37-3/8					
		D: In.	13 + 1-3/16					
		H: In.	53-1/8					
	Weight	Lbs.	265					
Refrigerant	Type		R410A					
	Charge	Lbs.	12					
	Oil	Type (fl. oz.)	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.	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 +59° F W.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.

Model Name	Indoor Unit / Outdoor Unit		PEAD-A30AA4 / PUZ-HA30NHA2	PEAD-A36AA4 / PUZ-HA36NHA2
Cooling *1	Rated Capacity	Btu/h	30,000	34,000
	Capacity Range	Btu/h	18,000-30,000	18,000-36,000
	Total Input	W	2,500	2,800
	Energy Efficiency	SEER	16.5	16.8
	Moisture Removal	Pints/h	8.9	7.3
	Sensible Heat Factor		0.67	0.76
Heating at 47° F *2	Rated Capacity	Btu/h	32,000	38,000
	Capacity Range	Btu/h	18,000-34,000	18,000-40,000
	Total Input	W	2,750	3,150
	HSPF (IV)	Btu/h/W	9.5	10.4
Heating at 17° F *3	Rated Capacity	Btu/h	19,000	27,000
	Rated Total Input	W	2,590	3,250
	Maximum Capacity	Btu/h	32,000	38,000
	Maximum Total Input	W	4,930	5,400
Heating at 5° F *4	Maximum Capacity	Btu/h	32,000	38,000
	Maximum Total Input	W	5,420	6,100
Power Supply	Phase, Cycle, Voltage		1 Phase, 60Hz, 208/230V *5	
Voltage	Indoor - Outdoor S1 - S2		AC 208 - 230V	
	Indoor - Outdoor S2 - S3		DC24V	
	Indoor - Remote Controller		DC12V: For Wired Controller	
Indoor Unit	MCA	A	2.73	3.30
	Fan Motor	F.L.A.	2.18	2.64
	Fan Motor Output	W	0.121	0.244
	Airflow (Lo-Mid-Hi)	DRY (CFM)	618-742-883	847-1,024-1,201
		WET (CFM)	565-671-812	777-953-1,130
	External Static Pressure *6	In. WG	0.14 - 0.20 - 0.28 - 0.40 - 0.60	
	Sound Pressure Level (Lo-Mid-Hi)	dB(A)	30-34-39	33-38-42
	External Finish Color		Galvanized-steel Sheets	
	Dimension Unit	W: In.	43-5/16	55-1/8
		D: In.	28-7/8	
		H: In.	9-7/8	
	Weight Unit	Lbs.	73	91
	Drain Lift Mechanism (Included)	H: In.	27-9/16	
	Field Drainpipe Size	In.	1-1/4	
Outdoor Unit	MCA	A	28	
	Recommended Fuse/Breaker	A	30	
	MOCP	A	40	
	Fan Motor	F.L.A.	0.4 + 0.4	
	Fan Motor Output	W	60 + 60	
	Compressor	Model (Type)	INVERTER-driven Scroll	
		R.L.A.	18	
		L.R.A.	27.5	
	Airflow	CFM	3,530	
	Refrigerant Control		Electronic Expansion Valve	
	Defrost Method		Reverse Cycle	
	Sound Pressure Level at Cooling *1	dB(A)	52	
	Sound Pressure Level at Heating *2	dB(A)	53	
	External Finish Color		Munsell No. 3Y 7.8 / 1.1	
	Dimensions	W: In.	37-3/8	
		D: In.	13 + 1-3/16	
		H: In.	53-1/8	
	Weight	Lbs.	265	
Remote Controller	Type		Wired	
Refrigerant	Type		R410A	
	Charge	Lbs.	12	
	Oil	Type (fl. oz.)	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.	245	
Connection Method	Indoor/Outdoor		Flared/Flared	
Operating Temperature Range	Cooling		0° F D.B. to 115° F with Wind Baffle Accessory Installed	
	Heating		-13° F W.B. to +59° F W.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.

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

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

MHK1 Remote Controller Kit

Exclusive for INVERTER-driven Mr. Slim® Systems

MRCH1 WIRELESS REMOTE CONTROLLER

- Features backlit, easy–to–read display
- Is compatible with MCCH1 Portable Central Controller
- Is enabled with RedLINK™ reliability

MFH1 WIRELESS RECEIVER

- Required for MRCH1 Wireless Remote Controller
- Incorporates ual setpoint control with system changeover
- Enabled with RedLINK reliability

Wireless Remote Controller

Wireless Receiver

Function	Description
ON/OFF	ON/OFF operation for a single indoor unit
Operation Mode	Cool / Drying / Auto / Heat / Fan only Available operation modes dependent on connected system.
Temperature Setting	Set temperature from 50° F – 87° F depending on operation mode and connected system
System Changeover Deadband Value	2-8° F
Schedule Operation	5-2, 5-1-1
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 - 120° F Receiver: -40 – 165° F
Operating Ambient Humidity	Remote Controller: 5% - 90% RH (non-condensing) Receiver: 5% - 9% RH (non-condensing)
Power Supply	2 AA batteries

MHK1 Kit includes

MRCH1	Wireless Wall-Mounted Remote Controllers
MFH1	Wireless Receiver and Cable
MRC1	Cable

Install and Operation Manual

Accessories

MCCH1	Portable Central Controllers
MOS1	Outside Air Sensor

MCCH1 Portable Central Controller

Exclusive for INVERTER-driven Mr. Slim® Systems

- Has up to 16 Zones
- Works with MRCH1 Wireless Remote Controller
- Is able to monitor and control ON/OFF, Mode, Set Temperature
- Enables schedule overrides
- Can view Outside Aair temperature and humidity with optional MOS1 Outside Air Sensor
- Features backlit easy-to-read display
- Is compatible with other RedLINK™ devices
- Does not interfere with other wireless devices

RED LINK Wireless Technology

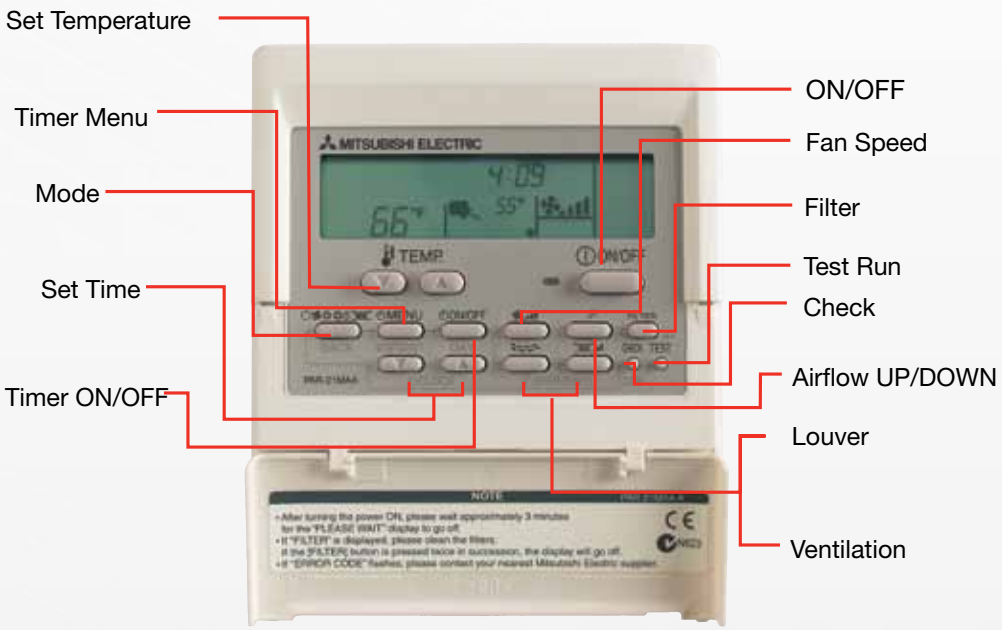
Function	Description
ON/OFF	Offers ON/OFF operation for up to 16 individual indoor units
Operation Mode	Cool / Auto / Heat Offers available operation modes dependent on connected system
Temperature Setting	Has capability to set temperature from 50° F – 87° F depending on operation mode and connected system
Space Temperature	Displays the measured space temperature individually per indoor unit
Error Indication	Displays error code
Display Outside Temperature and Humidity	Requires optional MOS1 Outside Air Sensor
Dimensions - (W x D x H)	3-1/8" x 1-5/8" x 6-1/4"
Operating Ambient Temperature	32 - 120° F
Operating Ambient Humidity	5% - 90% RH (non-condensing)
Power Supply	3 AA batteries

Requires MHK1 (Remote Controller and Receiver) per indoor unit.

Accessories

MOS1 Outside Air Sensor

PAR-21MAA Wired Controller



Wired controller for the indoor unit. (multi-lingual)

Function	Description
ON/OFF	ON/OFF operation for group of up to 16 indoor units
Operation Mode	Cool / Dry / Auto / Heat / Fan only Available operation modes dependent on connected system
Temperature Setting	Set temperature from 50° F – 87° F depending on operation mode and connected system
Timer Operation	7 day timer (ON/OFF, Set Temperature)
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, Operation Mode, and Filter reset)
Space Temperature	Measured space temperature displayed
Error Indication	Error code displayed
Dimensions - (W x D x H)	5-1/8" x 3/4" x 4-3/4"

Hand-held IR Wireless Controller

Function	Description
ON/OFF	ON/OFF operation for a single indoor unit
Operation Mode	Cool / Dry / Auto / Heat / Fan only Available operation modes dependent on connected system.
Temperature Setting	Set temperature from 50° F, – 87° 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 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, Operation Mode, and Filter reset).
Space Temperature	Displays the measured space temperature.
Dimensions - (W x D x H)	5-1/8" x 3/4" x 4-3/4"
Power Supply	2 AAA batteries

H2I P-SERIES (PUZ-HA-2) 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-4) 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 TUBING SETS

Lineset Model Number	Tube Size (In.)	Length Ft.	Insul.	Use With Mitsubishi Electric Models
MLS141212T-15	1/4 x 1/2	15	1/2"	PKA-A12,18HA4; PLA-A12,18BA4; PEA-A12, A18AA4
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"	
MLS141212-100	1/4 x 1/2	100	1/2"	
MPLS385812T-10	3/8 x 5/8	10	1/2"	PKA-A24,30,36KA4; PLA-A24,30,36,42BA4; PCA-A24,30,36,42KA4; PEAD-A24-42AA4
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"	

REFRIGERANT LINE LENGTH FLARE/FLARE

INDOOR UNIT	OUTDOOR UNIT	LENGTH IN FEET	HEIGHT IN FEET
PKA-A12HA4	PUY-A12NHA4	100	100
PKA-A18HA4	PUY/Z-A18NHA4	100	100
PKA-A24KA4	PUY/Z-A24NHA4	165	100
PKA-A30KA4	PUY/Z-A30NHA4	165	100
PKA-A30KA (H2i)	PUZ-HA30NHA2	245	100
PKA-A36KA4	PUY/Z-A36NHA4	165	100
PKA-A36KA (H2i)	PUZ-HA36NHA2	245	100
PLA-A12BA4	PUY-A12NHA4	100	100
PLA-A18BA4	PUY/Z-A18NHA4	100	100
PLA-A24BA4	PUY/Z-A24NHA4	165	100
PLA-A30BA4	PUY/Z-A30NHA4	165	100
PLA-A30BA (H2i)	PUZ-HA30NHA2	245	100
PLA-A36BA4	PUY/Z-A36NHA4	165	100
PLA-A36BA (H2i)	PUZ-HA36NHA2	245	100
PLA-A42BA4	PUY/Z-A42NHA4	165	100
PCA-A24KA4	PUY/Z-A24NHA4	165	100
PCA-A30KA4	PUY/Z-A30NHA4	165	100
PCA-A30KA (H2i)	PUZ-HA30NHA2	245	100
PCA-A36KA4	PUY/Z-A36NHA4	165	100
PCA-A36KA (H2i)	PUZ-HA36NHA2	245	100
PCA-A42KA4	PUY/Z-A42NHA4	165	100
PEA-A12AA4	PUY-A12NHA4	100	100
PEA-A18AA4	PUY/Z-A18NHA4	100	100
(2)PEA-A18AA (H2i)	PUY/Z-HA36NHA2	245	100
PEAD-A24AA4	PUY/Z-A24NHA4	165	100
PEAD-A30AA4	PUY/Z-A30NHA4	165	100
PEAD-A30AA (H2i)	PUZ-HA30NHA2	245	100
PEAD-A36AA4	PUY/Z-A36NHA4	165	100
PEAD-A36AA (H2i)	PUZ-HA36NHA2	245	100
PEAD-A42AA4	PUY/Z-A42NHA4	165	100

OPTIONAL ACCESSORIES

PART NUMBER	USE WITH	DESCRIPTION
Pumps		
PAC-SH84DM-E	PCA-A**KA	Mitsubishi pump kit
SI1730-230	P-Series - 30,000 Btu/h or greater	Sauermann® mini condensation pump: 230V
SI3100-230	P-Series - Less than 30,000 Btu/h	Sauermann® mini condensation pump: 230V
Miscellaneous		
BRP-1	Bottom Return Plate for SEZ-KD09NA	Converts low profile ducted indoor unit from rear return to bottom return
BRP-2	Bottom Return Plate for PEA-A12AA	Converts low profile ducted indoor unit from rear return to bottom return
BRP-3	Bottom Return Plate for PEA-A18AA	Converts low profile ducted indoor unit from rear return to bottom return
BV12FSI	Use with any Mr. Slim multi-zone product	Refrigeration Ball Valve-Flare/Schrader®/Insulated - 1/2"
BV14FSI	Use with any Mr. Slim multi-zone product	Refrigeration Ball Valve-Flare/Schrader®/Insulated - 1/4"
BV38FSI	Use with any Mr. Slim multi-zone product	Refrigeration Ball Valve-Flare/Schrader®/Insulated - 3/8"
BV58FSI	Use with any Mr. Slim multi-zone product	Refrigeration Ball Valve-Flare/Schrader®/Insulated - 5/8"
CWMB1	PU outdoor units	Condensing unit wall mounting brackets (set of 2) - 440 lb. capacity: painted steel NOTE: Installer is responsible to select and provide suitable hardware and materials to insure proper mount of bracket to wall.
DSD-400N	P-Series	DiamondBack™ Platform Stands
PAC-SG58SG-E	P-Series	Air outlet guide (1 piece) PUY/Z-A12/A18
PAC-SG59SG-E	P-Series	Air outlet guide (1 piece) PUY/Z-A24/A30/A36/A42 (42 installation requires 2 pieces); PUZ-HA36NA (Requires 2 pieces)
PAC-SG61DS-E	PUZ(Y)-A42	Drain socket - connector
PAC-SG63DP-E	PUZ(Y)-A12/18	Drain pan
PAC-SG64DP-E	PUZ(Y)-A24/30/36/42 / PUZ-HA36	Drain pan
PAC-SH51SP-E	All PLA-ABA Models	Air outlet shutter plates (1 set = 2 pieces)
PAC-SH53TM-E	All PLA-ABA Models	Multi-function casement (High-efficiency filter element not included)
RCMKP1CB	P-Series Wireless	Lockdown bracket for remote controller
ULTRILITE1	PUZ(Y)-A12/18	Condensing unit mounting pad: 16" x 36" x 3"
ULTRILITE2	PUZ(Y)-A24/30/36/42; PUZ-HA30, 36	Condensing unit mounting pad: 24" x 42" x 3"

*49' and 66' applies to installations in which the outdoor unit is installed below indoor unit.

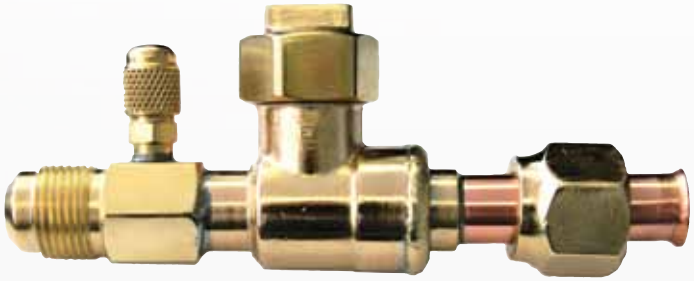
OPTIONAL ACCESSORIES (CONT.)

PART NUMBER	USE WITH	DESCRIPTION
Port Adapters and Connection Pipes		
MSDD-50SR-E	P-Series	Twinning distribution pipe
PAC-SC84PI-E	PKA-Series (A24/30/36/42)	L connector pipe (for left side piping)
Control Options and Accessories		
CN24RELAY-KIT-CM3	PLA-BA, PCA-KA, PEA-AA indoor units	External heater relay kit and adapter for CN24 connector and control
PAC-715AD	P-Series	Connector for CN32 (for remote on/off)
PAC-725AD	P-Series / PKA-HA(L)/KA(L) indoor units	Connector for CN51/multiple remote controller adapter - status/signal output and duct/supply fan controller (PLA/PCA), External Heater Control for CN152
PAC-SA1ME-E	i-see™ sensor for PLA-ABA	i-see sensor corner panel for PLA-ABA indoor units
PAC-SE41TS-E	P-Series indoor units	Remote temperature sensor for P-Series indoor units
PAC-SE55RA-E	P-Series	Remote operation adapter: CN32 Remote on/off
PAC-SE57RA-E	PLA / PKA / PCA	Remote operation adapter: CN30 LLC
PAC-SE59RA-E	P-Series	Remote operation adapter: display and ON/OFF
PAC-SF40RM-E	P-Series	Remote operation adapter: display and on/off
PAC-SF81MA-E	PUY-A, PUZ-A, and PUZ-HA	M-NET control adapter for Mr. Slim PUY-A, PUZ-A, and PUZ-HA outdoor units
PAC-SH91MK-E	i-see sensor for PCA	i-see sensor in mounting panel for PCA indoor units
PAC-SK52ST	P-Series Service Tool	Control / Service tool w/display for P-Series systems - Connects to outdoor unit
PAC-YU25HT	PEA, PEAD indoor units	External fan / Heater control relay adapter
PAR-21MAA-G	Use with P-Series	Deluxe MA remote controller (Requires MAC-397IF-E for use with M-Series - MSY/Z, MFZ)
MHK1	All P-Series and SEZ, SLZ 1:1 Systems	RedLINK™ Enabled Remote Controller Kit with MRCH1 controller, MIFH1 receiver, and MRC1 cable
MCCH1	MHK1	Portable central controller; works with MHK1
PAR-FL32MA	PLA / PEA / PEAD / SEZ	Wireless remote controller for PLA-BA, PEA-A, PEAD-AA units (Requires signal receiver PAR-SA9FA-E)
PAR-SA9CA-E	PEA, PEAD and PKA	Wireless signal receiver for PEA, PEAD, and PKA units (For PAR-SL32MA controller)
PAR-SA9FA-E	PLA-ABA	Wireless signal receiver for PLA-BA units (For PAR-SL32MA controller)
PAR-SA92MW-E	PCA wireless controller kit with i-see sensor	Wireless remote controller kit with i-see sensor for PCA
PAR-SL93B-E	PCA Wireless controller kit	Wireless remote controller kit for PCA
PZ-41SLB-E	Lossnay	Lossnay ERV remote controller for LGH ERV control
RG78G358G18	PKA (L) models	Connector for CN-22 to add wired controller - PAR-21MAA-G to PKA(L) wireless models
Low Ambient		
WB-PA1	P-Series	Wind baffle (1 piece) PUY/Z-A12/A18
WB-PA2	P-Series	Wind baffle (1 piece) PUY/Z-A24/A30/A36/A42 (42 installation requires 2 pieces); PUZ-HA30 and 36NA (Requires 2 pieces)

DIAMONDBACK™ Ball Valves

Model numbers:
BV14FFSI
BV38FFSI
BV12FFSI
BV58FFSI

c UL us
LISTED 891N
REFRIGERANT
VALVE



- Sizes 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
- Design working pressure: 700 PSIG
- Temperature range: -40˚ F to +325˚ F (-40˚ C to +149˚ C)
- Forged brass body and seal cap
- Polytetrafluroethylene seals and gaskets (no synthetic O-rings)
- Seal cap design permits valve operation without removal of seal cap
- Uses suitable for with R-11, R-22, R-123, R-125, R-134A, R-236FA, R-4202A, R-402B, R-404A, R-407C, R-410A, R-500, R-502, and R-507
- One year limited materials and workmanship warranty on ball valves

- **Engineered for Mini-split and Multi-split HVAC Units**
- **Full Port Design**
- **700 PSIG Rated**
- **R-410A Compatible**
- **Flare Connections**

Part Number	SAE Flare	A	B	C	D	E	F
BV14FFSI	1/4"	6.19	2.60	1.80	1.22	1.42	1.10
BV38FFSI	3/8"	6.30	2.67	1.80	1.22	1.42	1.10
BV12FFSI	1/2"	6.51	2.67	1.80	1.22	1.42	1.10
BV58FFSI	5/8"	6.64	2.67	1.80	1.28	1.42	1.10

*Ball valves come with an insulation piece

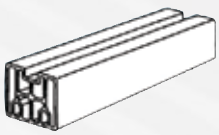
DIAMONDBACK™ Platform Stands

Lift the Mitsubishi Electric Comfort Solution outdoor unit to new heights with our Diamondback Platform Stands.

- Is easy to install
- Available for all sizes of Mr. Slim outdoor units
- Is color matched to the outdoor units

Model Number: DSD-400N

L: 15-3/4" x W: 3-1/4" x H: 3-1/4"



DIAMONDBACK™ LINESETS

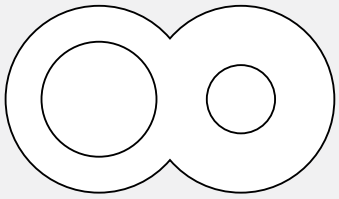
Caps on

Caps off with flared ends exposed

Lineset Model Number	Tube Size (In.)	Length Ft.	Insul.
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"
MLS145812T-15	1/4 x 5/8	15	1/2"
MLS145812T-30	1/4 x 5/8	30	1/2"
MLS145812T-50	1/4 x 5/8	50	1/2"
MLS145812T-65	1/4 x 5/8	65	1/2"
MLS145812T-100	1/4 x 5/8	100	1/2"
MPLS385812T-10	3/8 x 5/8	10	1/2"
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"

Twin-Tube Lineset Insulation Design

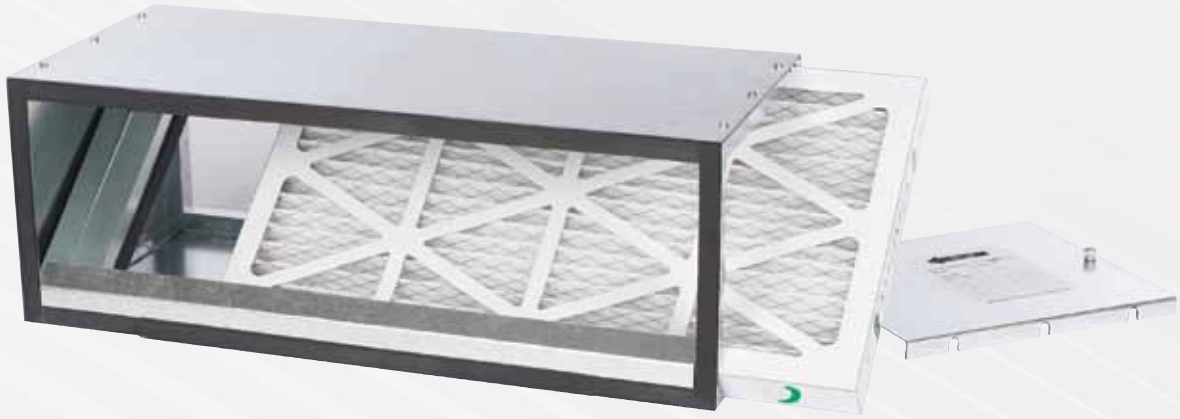
- Balanced outside diameter for uniform coil/uncoil position stability
- Minimum 1/2" insulation thickness on both tubes



Diamondback advantages include the following features:

- Quick, efficient, and economical field installation using factory-applied Twin Tube insulation and flare connections with flare nuts mounted
- Correct lengths for reducing waste and time
- Quality, consistency, and economy
- Testing of all Diamondback Lineset tubing is tested in accordance with ASTM E243

Filter Boxes



FB Series filter boxes are available in compatible sizes for all Mr. Slim horizontal ducted indoor units.

FBL1 filter boxes include 1" thick-pleated MERV 8 filter(s), and FBM2 boxes include 2" thick-pleated MERV 13 filter(s) installed. Filters are tested in accordance with ANSI/ASHRAE Standard 52.2 and rated Class 2 under U.L. Standard 900.

FBL1-1	FB Series Filter Box for SEZ-KD09N
FBL1-2	FB Series Filter Box for SEZ-KD12,KD15-NA, and PEA-A12AA
FBL1-3	FB Series Filter Box for SEZ-KD18NA and PEA-A18AA
FBM2-3	FB Series Filter Box for PEAD-A24,30AA
FBM2-4	FB Series Filter Box for PEAD-A36,42AA

The cabinet is constructed of non-insulated 20 gauge G-60 galvanized steel with foam gasket and provides an airtight connection to indoor unit and access door. Gasket material complies with UL 723 requirements.

A screw-through cabinet design for secure attachment to indoor unit and return connection in rear is easily field-converted to bottom return.

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: 2-1/4", 3", 4", and 6" tubes

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

Lossnay®

MITSUBISHI ELECTRIC

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. Lossnay models offer three ventilation modes:

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

Model	CFM	Model	CFM
LGH-F300RX3-E	300	LGH-F470RX3-E	470
LGH-F600RX3-E	600	LGH-F1200RX3-E	1,200

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INVERTER-driven

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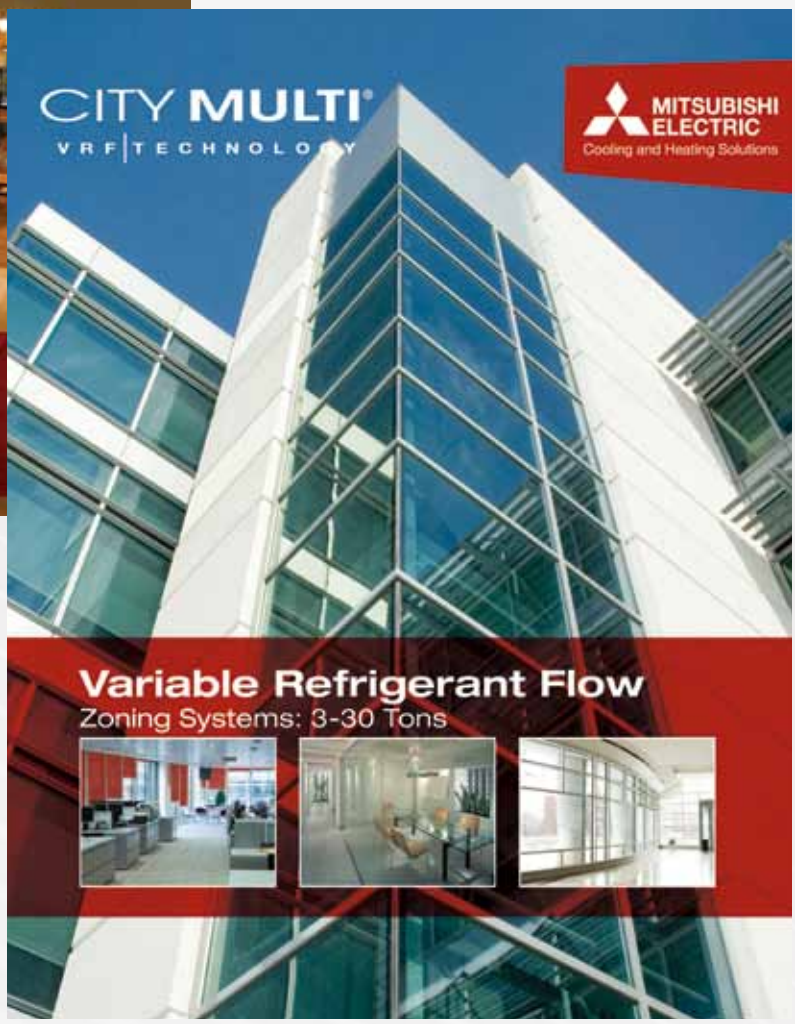

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MITSUBISHI ELECTRIC

COOLING & HEATING

Mitsubishi Electric Advanced Products Division
3400 Lawrenceville Suwanee Road, Suwanee, GA 30024
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