MITSUBISHI ELECTRIC

Cooling and Heating Solutions

[Updated 12/09]

www.mitsubishicomfort.com

"Comfort" is a concept many of us notice most when we're uncomfortable. And comfort is our #1 priority at Mitsubishi Cooling and Heating Solutions.

Our innovative split zoned cooling and heating systems are designed to improve the quality of life for you and your family with personalized comfort control. Their cutting edge, environmentally sensitive technologies also make them some of the most efficient HVAC systems in the world.

Perhaps your home has a room that's always too hot or too cold. Or, perhaps you're looking for a way to precisely control the climate in several rooms in your home, or in a new addition. No matter what your cooling and heating needs may be, Mitsubishi systems are the perfect way to transform your home into a comfortable oasis.

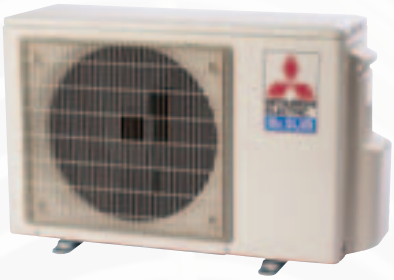
Mitsubishi Electric Cooling and Heating Solutions

Split zoning technology is a primary source of year-round comfort control world wide. Mitsubishi has been available in the U.S. for almost 30 years, but is increasing in popularity because it provides comfort and is efficient.

Mitsubishi Electric's split zoning systems use refrigerant lines to connect an outdoor unit to one or multiple indoor air handlers, increasing the energy efficiency within a home or building. Advanced technologies are used to help you precisely control the temperature of each room that has an indoor unit and allows you to condition only the rooms in use.

Using a wireless remote or wall-mounted controller for each space, your Mitsubishi Electric system allows a truly personal level of comfort control. Environmentally friendly refrigerants, advanced filtration systems and high SEER ratings come standard on the full product line.

This synergy of application, technique and advanced technology delivers true eco-comfort for your home or work space.



ENERGY STAR PARTNER

How environmentally friendly are Mitsubishi Electric systems?

15 systems ENERGY STAR rated

9 systems qualify for the Federal Tax Credit offered through the American Reinvestment and Recovery Act. The tax credit is for 30 percent of total system and installation costs, up to $1,500, and can be used for a qualified cooling-only, heat pump, H2i® heat pump or 2-to-1 multi-room heat pump system.

For details on qualifying for the Tax Credit, visit www.mitsubishicomfort.com/taxcredit or ask your contractor.

For information on available local rebate opportunities from state or utility companies, visit www.dsireusa.org.

Bedrooms, living rooms, dining rooms, basements, sunrooms, new additions and renovations are applications that can take full advantage of the single and multi-room Mitsubishi systems.

Mitsubishi System Technologies:

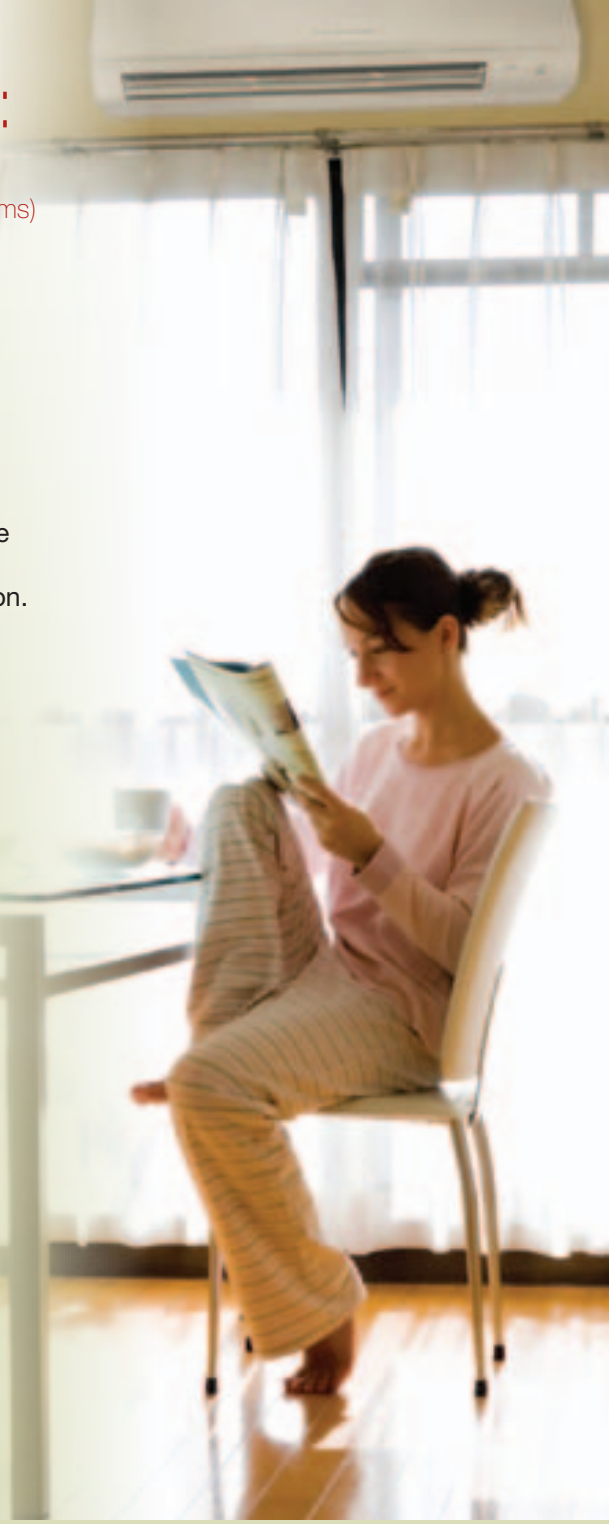
a user-friendly zoned residential and light commercial personalized comfort solution (M-Series wall-mounted and ducted systems)

Comfort is a home that's cool and dry in the summer and cozy and warm in the winter. This environment is what you get with the Mitsubishi Electric system: perfect year-round comfort.

Mitsubishi Electric indoor units are easy to install practically anywhere:
– High on the wall, to blend into a room without taking up window space
– In the ceiling or below the floor and totally out of sight (on ducted systems)

Heat pump systems feature auto mode cooling/heating changeover, which automatically switches the system between cooling and heating to compensate for fluctuating temperatures. They're nearly silent – their fans deliver air quietly and continuously with only a gentle whoosh for constant circulation and filtration. For this reason, Mitsubishi ductless systems have long been the choice of thousands of homes, churches, schools and libraries across the U.S.

Our systems are the perfect way to cool or heat any single room or multiple rooms in your home or office to attain personal comfort.



Technology Benefits of Mitsubishi Systems

Features	Benefits
INVERTER TECHNOLOGY IN THE COMPRESSOR	Maximizes energy savings by making sure only the energy needed to cool or heat an area is used.
EASY INSTALLATION FOR YOUR CONTRACTOR	Installs quickly and easily, having no need for major construction and remodeling.
COMPLETE ZONE CONTROL	Realizes maximum control and energy efficiency by cooling and heating only those spaces in use.
ADVANCED MICROPROCESSOR TECHNOLOGY	Creates a comfortable environment no matter what conditions are outside with our advanced self-monitoring controls.
PERSONAL COMFORT CONTROL	Convenient comfort control of temperature, fan speed and air direction in the specific zone with our remote or wired controller.
WASHABLE LONG-LIFE ANTI-ALLERGEN FILTERS	Improves air quality and saves money by being washable rather than having to replace the filter.
AUTO COOL/HEAT CHANGEOVER	Heat pump switches automatically from cooling to heating (MUZ Systems).
ENVIRONMENTALLY FRIENDLY REFRIGERANT	Uses R410A, an environmentally friendly refrigerant and a high percentage is recycleable.

Cutting-edge Technology

In every aspect of a Mitsubishi Electric system, advanced technology is used to increase energy efficiency and eco-friendliness while providing innovative comfort control.

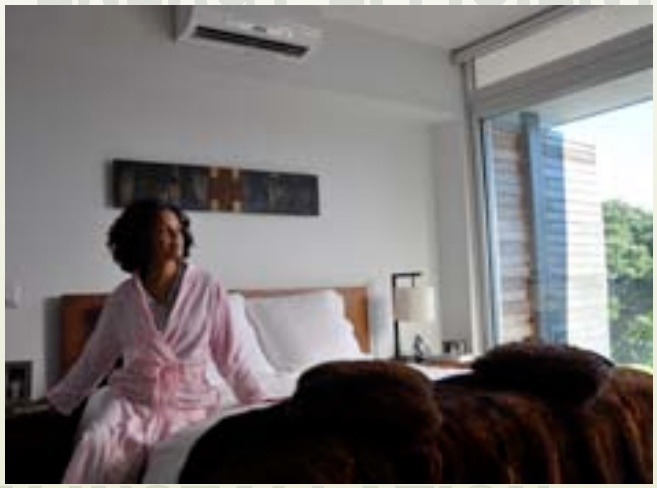
Our technology includes:
- INVERTER-driven compressors
- tremendous heating performance in Hyper-Heating INVERTER (H2i®) systems
- expanded filter systems
- i-see™ sensor accessory (select models)

Innovative Compressor Technology

INVERTER-driven compressor systems in the outdoor unit detect subtle changes in temperature and, like a car's cruise control, automatically adjust compressor speed – unlike conventional units, which start and stop repetitively. Special components within the compressor increase the magnetic flux and reduce its weight, allowing the compressor to generate higher energy efficiencies with better performance than ever before – at low levels of sound during start-up and running.

INVERTER

COMFORT CONTROL ENERGY EFFICIENT



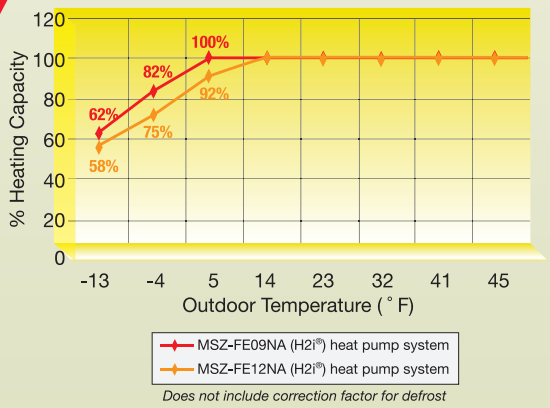
ZONING EASY INSTALLATION

Heat, and Lots of It

With the advanced technology added to the already innovative INVERTER compressor the MSZ-FE high-efficiency systems are not only ENERGY STAR® rated and Tax Credit qualified, providing up 26 SEER, they can provide exceptional heating performance.

These systems provide heating to -13˚ F and produce up to 100% heating capacity at 5˚ F (MSZ-FE09; 92% capacity at 5˚ F for MSZ-FE12). That is year-round comfort in extreme climates while being extremely energy-efficient.

MSZ-FE Hyper-Heating INVERTER
% Heating Capacity vs. Outdoor Temperature



Does not include correction factor for defrost

Energy Efficiency Recognized

Mitsubishi Electric ductless cooling-only and heat pump systems are so energy efficient that **nine systems** – 45 percent of our residential INVERTER-driven systems – are ENERGY STAR rated.

Extra Energy Savings

Eight (8) Mitsubishi Electric residential M-Series systems qualify for the Economic Stimulus Tax Credit. By investing in your home's energy efficiency, you could qualify for up to $1,500 in federal tax credits.

For details on how to qualify, visit www.mitsubishicomfort.com/taxcredit or ask your contractor.

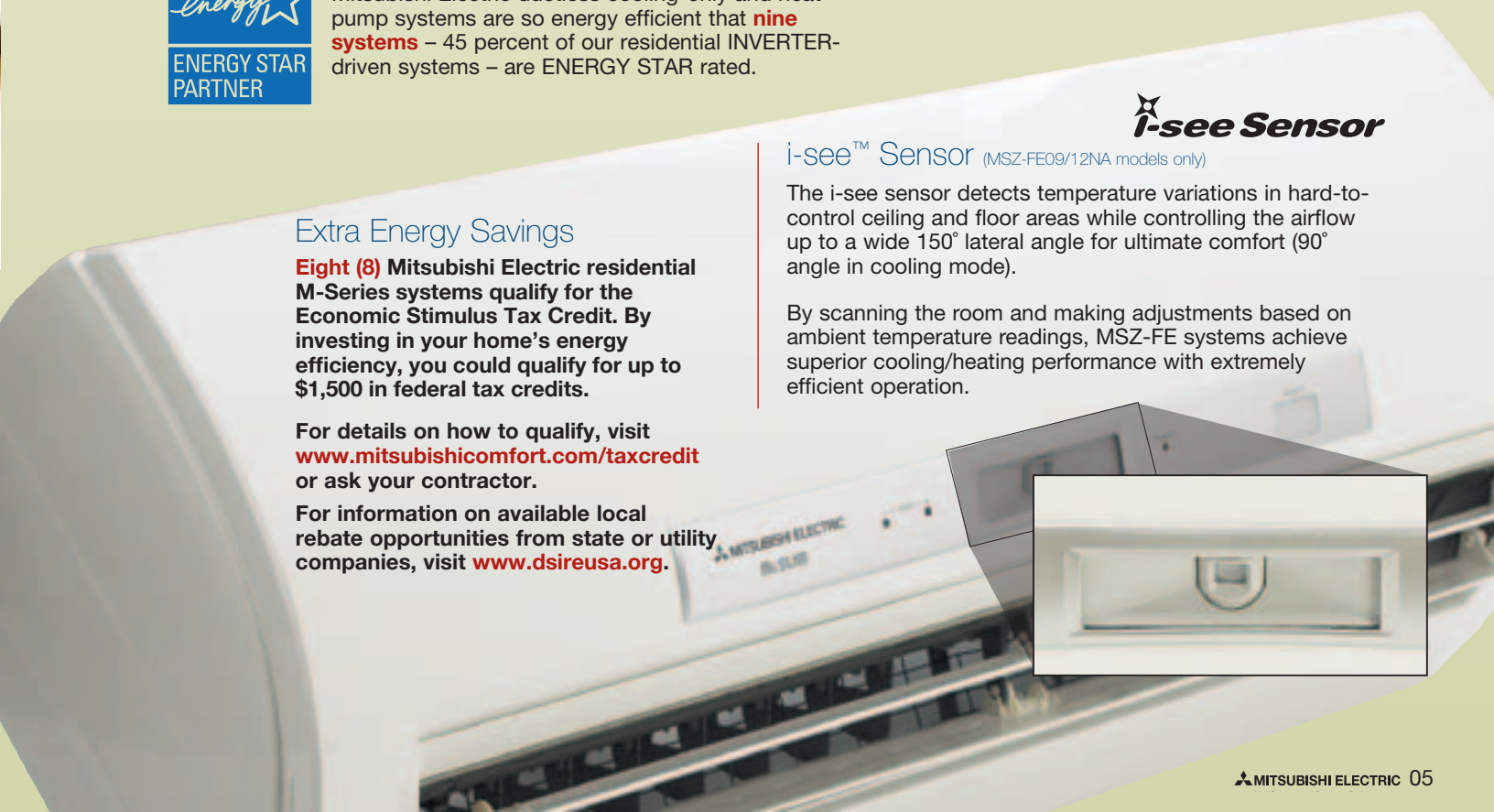
For information on available local rebate opportunities from state or utility companies, visit www.dsireusa.org.

i-see Sensor

i-see™ Sensor (MSZ-FE09/12NA models only)

The i-see sensor detects temperature variations in hard-to-control ceiling and floor areas while controlling the airflow up to a wide 150˚ lateral angle for ultimate comfort (90˚ angle in cooling mode).

By scanning the room and making adjustments based on ambient temperature readings, MSZ-FE systems achieve superior cooling/heating performance with extremely efficient operation.



Superior Operation

Advanced Control Technology

Through Mitsubishi's advanced controls technology the indoor unit is powered by the outdoor unit. Three polarity sensitive wires plus a ground conductor run from the outdoor to the indoor unit, providing both power and communication. An advanced wireless remote control is standard on all ductless models. An optional wired on-the-wall controller is available for wall-mounted indoor units on INVERTER systems (also requires MAC-397 adapter) while standard on ducted units.

Quiet Operation

Do you hear that? No? You barely hear our systems because Mitsubishi indoor units operate with barely a whisper. For example:

Police siren	118 decibels
Circular saw	107 decibels
Vacuum cleaner	74 decibels
Library reading room	33 decibels
Whisper-tone voice	35 decibels
Our Indoor Units (at low speed)	**19 - 34 decibels**

Did you hear that? We hope you did.

Warm Air, No Drafts

Our hot-start heat pump technology provides warmth from the beginning. The fan increases in speed as the coil is warmed, reducing drafts so when you want warm air, you'll get it.

System Control in the Palm of Your Hand

Mitsubishi Electric offers a comprehensive remote controller that controls temperature, fan speed and more. Choose from four modes: COOL, HEAT, AUTO and DRY. The controller also has a 12-hour ON/OFF timer for one-button control of your personal comfort.

Auto Changeover on Heat Pump Systems (MUZ outdoor units)

Our heat pump systems sense whether a space needs cooling or heating and automatically switch modes as needed to maintain a consistent temperature within the selected range of a single zone.

Easy to Maintain

With easily accessible filters, little or no ductwork to clean, and uncomplicated wiring connection points between the indoor and outdoor units, Mitsubishi systems rely on minimal maintenance, providing another level of comfort.

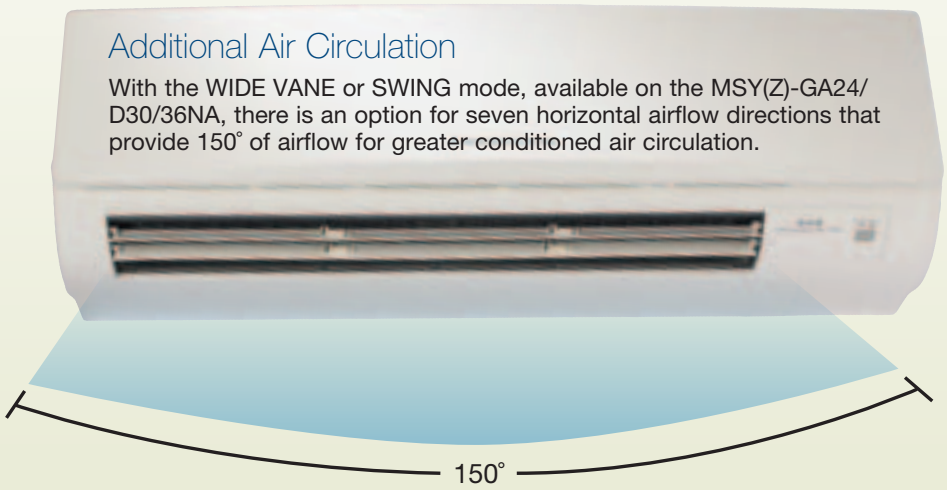
WHISPER QUIET COMFORT

HEALTHIER AIR SET IT AND FORGET IT

Total Comfort

Additional Air Circulation

With the WIDE VANE or SWING mode, available on the MSY(Z)-GA24/D30/36NA, there is an option for seven horizontal airflow directions that provide 150˚ of airflow for greater conditioned air circulation.



Programmable Comfort

Smart Set featured on MSZ-GE systems provides the option to program multiple settings into one 'quick' press feature providing an additional level of comfort control.

The POWERFUL mode (found on select systems) is available to cool or heat any desired space quickly by lowering the set temperature in cooling mode or raising the set temperature in heating mode, both by 7˚ F. In Powerful Mode, the fan speed increases for 15 minutes then resumes standard operation.

Multiple Filters for Cleaner, Healthier Air

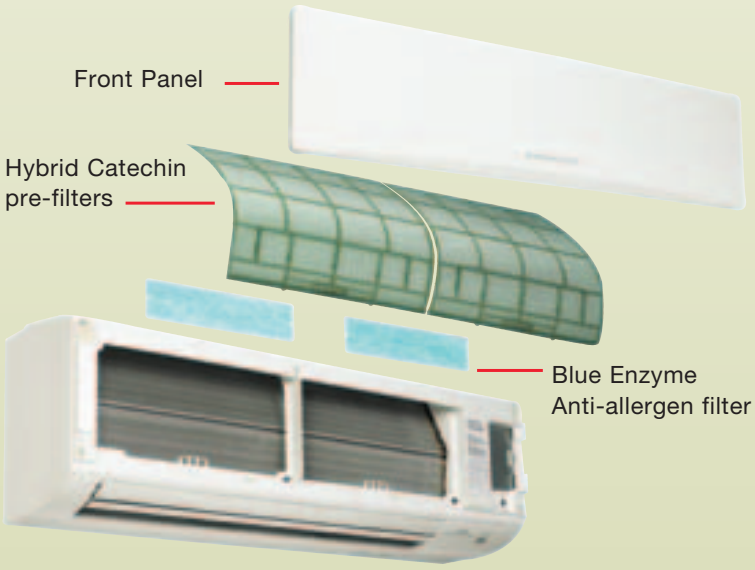
Mitsubishi indoor units use a sophisticated multi-part filter system to remove contaminants such as allergens, viruses and bacteria from the air as it circulates.

The hybrid catechin pre-filter absorbs odor-causing gases. A Blue-Enzyme anti-allergen filter reduces germs, bacteria and viruses and helps trap dust, pollens, mites and other particles; the filter uses an enzyme catalyst to help break down the sulfur atom bonds in allergen proteins, transforming them into non-allergen proteins.

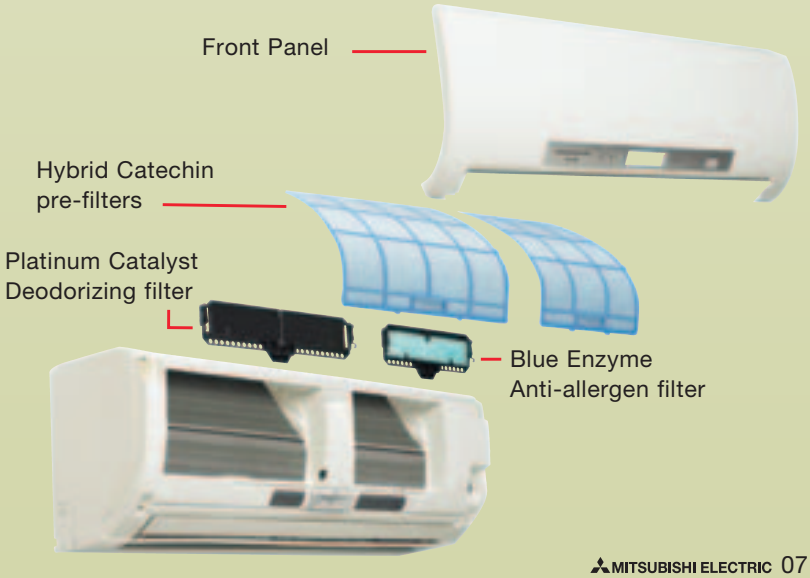
A hybrid-coating process makes the catechin filter washable and, if properly maintained with monthly cleanings, effective for more than 10 years.

The high-efficiency MSZ-FE09/12NA indoor units incorporate the standard Catechin filter plus two more filters for triple filtration. The second filter, a Blue-Enzyme filter made of a fibrous material, also render allergens harmless using enzymes. The third filter, a Platinum Catalyst Deodorizing filter, has a ceramic surface absorption element and uses nanotechnology for high power odor absorption. This combination of filter types provides a complete air purifying system along with the ultimate comfort solution.

STANDARD FILTER SYSTEM (USED IN MSY/MSZ-GE/GA/D MODELS)



ENHANCED FILTER SYSTEM (USED IN MSZ-FE09/12NA MODELS)

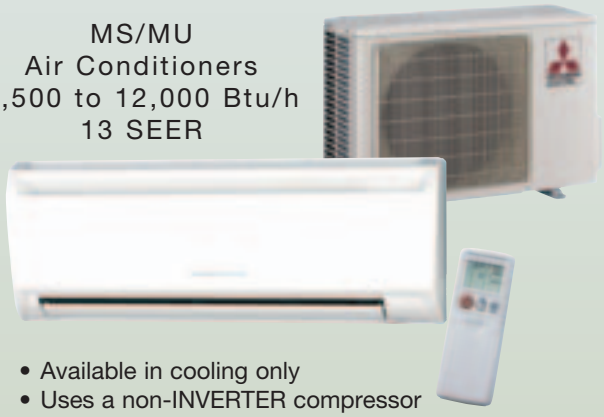


Product Line-Up Showcase

SYSTEM MODELS AND CONTROLLERS

SINGLE-ROOM, WALL-MOUNTED A/C (cooling only)

MS/MU
Air Conditioners
9,500 to 12,000 Btu/h
13 SEER



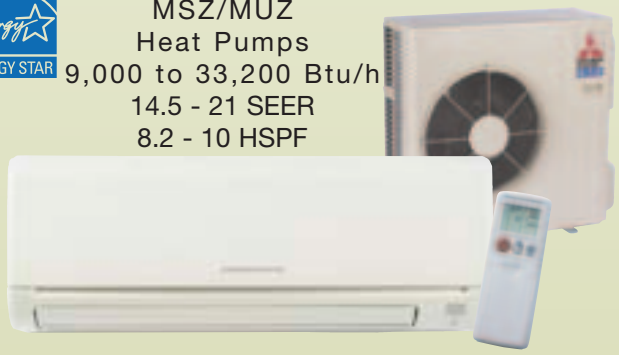
- Available in cooling only
- Uses a non-INVERTER compressor
- Wireless remote controller
- Ideal for applications such as
  - Bedrooms, garages and bonus rooms in warm climates
  - Video monitoring room

MSY/MUY
Air Conditioners
9,000 to 34,600 Btu/h
15.1 - 21 SEER

- Available in cooling only
- INVERTER-driven compressor
- Wireless remote controller
- WIDE Vane buttom for a wider angle of air low, 150˚ from left to right (on GA24/D30/D36 models)
- Ideal for applications such as
  - Bedrooms, garages and bonus rooms in warm climates

SINGLE-ROOM, WALL-MOUNTED HEAT PUMPS (cooling and heating)

MSZ/MUZ
Heat Pumps
9,000 to 33,200 Btu/h
14.5 - 21 SEER
8.2 - 10 HSPF



- INVERTER-driven compressor
- Provides cooling and heating in a wide range of capacities
- Wireless remote controller
- WIDE Vane bottom for a wider angle of air flow, 150˚ from left to right (on GA24/D30/D36 models)
- Ideal for applications such as:
  - Bedrooms, home offices, living rooms, dining rooms, bonus rooms, basements, kitchens, guard houses and more

The following is a quick reference list of the residential cooling-only, heat pump and multi-room heat pump systems that are ENERGY STAR® and Tax Credit qualified.

Visit www.mitsubishicomfort.com/taxcredit for additional information on how to apply for the tax credit.

	Energy Star	Tax Credit
Cooling-only	MSY/MUY-GE09NA MSY/MUY-GE12NA MSY/MUY-GE15NA	MSY/MUY-GE09NA MSY/MUY-GE15NA
Heat Pump	MSZ/MUZ-GE09NA MSZ/MUZ-GE12NA MSZ/MUZ-GE15NA MSZ/MUZ-FE09NA MSZ/MUZ-FE12NA	MSZ/MUZ-GE09NA MSZ/MUZ-GE12NA MSZ/MUZ-GE15NA MSZ/MUZ-FE09NA MSZ/MUZ-FE12NA
Multi-room Heat Pump	MXZ-2B20NA (with 2-MSZ-GE09)	MXZ-2B20NA (with 2-MSZ-GE09)

Up to 26 SEER!

MSZ/MUZ-FE09/12NA
High-Efficiency Heat Pumps
9,000 and 12,000 Btu/h
23 - 26 SEER
10 - 10.6 HSPF

- INVERTER-driven compressor
- Quite operation as low as 19dB(A)
- i-see™ sensor technology
- Enhanced filtration system
- H2i® high heat capabilities (see page 12)
  - MSZ-FE09 is 100 percent @ 5˚ F
  - MSZ-FE12 is 92 percent @ 5˚ F

MULTI-ROOM HEAT PUMP with WALL-MOUNTED and DUCTED INDOOR UNITS
(cooling and heating)

MXZ Multi-Room INVERTER Heat Pump with MSZ Wall-mounted and/or SEZ Ducted Indoor Units 20,000 to 36,000 Btu/h

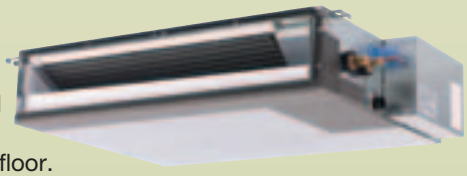
- Connect multiple indoor units (wall-mounted and/or ducted)
- INVERTER-driven compressor
- Provides cooling and heating in a wide range of capacities
- Ideal for applications such as:
  - Bedrooms, home offices, living rooms, dining rooms, bonus rooms, basements, kitchens and more

For more information on multi-room systems refer to pages 14-23.

ENERGY STAR

ALL NEW MXZ-2B20NA IS CERTIFIED ENERGY STAR AND FEDERAL TAX CREDIT QUALIFIED!!
(WHEN USED WITH TWO-MSZ-GE09NA INDOOR UNITS)

Ducted Personal Comfort (SEZ for MXZ systems only)



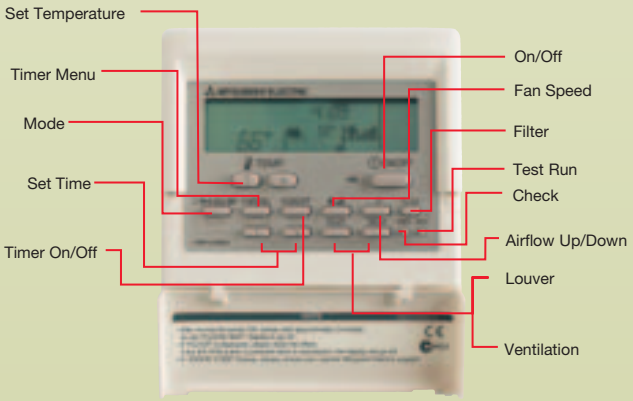
If you are looking for discrete zoned comfort control, then a ducted unit is right for you. When connected to a MXZ multi-room system, the SEZ ducted units provide you with energy efficiency, quiet operation, and a compact design for quick, easy installation either hidden in the ceiling or beneath the floor.

These models offer the added flexibility of working in tandem with ductless models on the same system, providing a wide array of installation options to best fit your application needs.

For more information, see our MXZ multi-room section on pages 14 - 23.

WIRELESS and WIRED REMOTE CONTROLLERS

Wireless remote controller for wall-mounted systems



Wired controller for the SEZ ducted indoor unit. (optional controller for wall-mounted systems and requires MAC-397 adapter)

(MS-A12WA MODEL SHOWN)

MS/MSY COOLING-ONLY

NON-INVERTER

Model Name	Indoor Unit		MS-A09WA	MS-A12WA
	Outdoor Unit		MU-A09WA	MU-A12WA
Cooling *1	Rated Capacity	Btu/h	9,500	12,000
	Capacity Range	Btu/h	-	-
	Total Input	W	870	1,070
	Energy Efficiency	SEER	13	
	Moisture Removal	Pints/h	2.7	3.2
	Sensible Heat Factor		0.68	0.70
Power Supply	Phase, Cycle, Voltage		1 Phase, 60Hz, 115V *2	
Voltage	Indoor - Outdoor L1-N-2		AC 115V	
	Indoor - Outdoor L1-N-2		AC 115V	
	Indoor - Remote Controller		Wireless Type	
Indoor Unit	MCA	A	1.2	
	Fan Motor	F.L.A.	0.95	
	Airflow (Lo-Med-Hi)	DRY (CFM)	183-261-335	222-286-406
		WET (CFM)	162-233-300	198-254-363
	Sound Pressure Level (Lo-Med-Hi)	dB(A)	26-32-40	33-38-45
	External Finish Color		Munsell No. 1.0Y 9.2/0.2	
	Dimension Unit	W: In.	30-11/16	
		D: In.	8-1/4	
		H: In.	11-3/4	
	Weight Unit	Lbs.	23	
	Field Drainpipe Size O.D.	In.	5/8	
Outdoor Unit	MCA	A	14	16
	MOCP	(Time Delay) A	15	20
	Fan Motor	F.L.A.	0.63	0.93
	Compressor	Model (Type)	Single Rotary	
		R.L.A.	9.3	10.82
		L.R.A.	47	56
	Airflow	CFM	1,083	1,327
	Refrigerant Control		Capillary Tube	
	Sound Pressure Level (Cooling) *1	dB(A)	47	52
	External Finish Color		Munsell No. 3Y 7.8/1.1	
	Dimensions	W: In.	31-1/2	33-7/16
		D: In.	11-1/4	11-7/16
		H: In.	21-5/8	23-13/16
	Weight	Lbs.	78	96
Remote Controller	Type		Wireless Remote	
Refrigerant	Type		R410A	
	Charge	Lbs., Oz.	2, 5	3, 1
	Oil	Type (Fl. Oz.)	NE022 (10.8)	
Refrigerant Pipe	Gas Side O.D.	In.	3/8	1/2
	Liquid Side O.D.		1/4	
	Height Difference (Max.)	Ft.	35	
	Length (Max.)		65	
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.

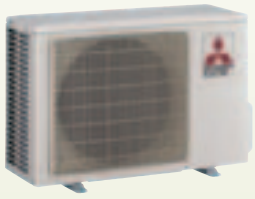
Specifications are subject to change without notice.

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

(MSY-GE17NA MODEL SHOWN)

INVERTER

R410A



MSY COOLING-ONLY (CONT.)

ENERGY STAR TAX CREDIT

ENERGY STAR

ENERGY STAR TAX CREDIT

Model Name	Indoor Unit		MSY-GE09NA	MSY-GE12NA	MSY-GE15NA	MSY-GE18NA	MSY-GA24NA	MSY-D30NA	MSY-D36NA
	Outdoor Unit		MUY-GE09NA	MUY-GE12NA	MUY-GE15NA	MUY-GE18NA	MUY-GA24NA	MUY-D30NA	MUY-D36NA
Cooling *1	Rated Capacity	Btu/h	9,000	12,000	14,000	17,200	22,000	30,700	34,600
	Capacity Range	Btu/h	3,800-12,200	3,800-13,600	3,100-18,200	3,700-18,700	4,400-22,000	9,800-30,700	9,800-34,600
	Total Input	W	660 (205-1,200)	960 (205-1,300)	1,080 (160-2,000)	1,640 (240-2,070)	2,500 (270-2,500)	3,380 (620-3,380)	4,240 (620-4,240)
	Energy Efficiency	SEER	21	20.5	21	19.2	17.5	16	15.1
	Moisture Removal	Pints/h	1.5	2.5	2.7	4.6	7.3	9.9	11.9
	Sensible Heat Factor		0.82	0.74	0.80	0.71	0.63	0.64	0.62
Power Supply	Phase, Cycle, Voltage		1-phase, 60Hz, 208 / 230V *2						
Voltage	Indoor - Outdoor S1 - S2		AC 208 / 230V						
	Indoor - Outdoor S2 - S3		DC12-24V						
	Indoor - Remote Controller		Wireless Type (Optional Wired Controller: DC 12V)						
Indoor Unit	MCA	A	1.0						
	Fan Motor	F.L.A.	0.76						
	Airflow at Cooling (Quiet-Lo-Med-Hi-Super Hi) *1	DRY (CFM)	145-170-237-321-399		205-272-335-420-533	230-275-339-420-533	296-431-568-624	389-639-848	
		WET (CFM)	109-134-201-286-364		170-237-300-385-498	194-240-304-385-498	265-385-508-558	350-576-763	
	Sound Pressure Level at Cooling (Quiet-Lo-Med-Hi-Super Hi) *1	dB(A)	19-22-30-37-43	19-22-30-37-45	26-32-38-44-49	28-33-38-44-49	34-40-49-51	32-42-49	
	External Finish Color		Munsell No. 1.0Y 9.2 / 0.2						
	Dimension Unit	W: In.	31-7/16				43-5/16	46-1/16	
		D: In.	9-1/8				10-1/4	11-5/8	
		H: In.	11-5/8				12-13/16	14-3/8	
	Weight Unit	Lbs.	22				37	40	
	Field Drainpipe Size O.D.	In.	5/8						
Outdoor Unit	MCA	A	12			14	17	21	
	MOCP	A	15				20	25	
	Fan Motor	F.L.A.	0.50			0.93			
	Compressor	Model (Type)	DC INVERTER-driven		DC INVERTER-driven Twin Rotary				
		R.L.A.	6.6		7.4	10.0	12.8	16	
		L.R.A.	8.2		9.3	12.5	16.0	20	
	Airflow (Cooling)	CFM	1,151	1,229	1,243	1,730	1,729	1,941	
	Refrigerant Control		Linear Expansion Valve						
	Sound Pressure Level at Cooling *1	dB(A)	46	49		54	55		56
	External Finish Color		Munsell No. 3Y 7.8 / 1.1						
	Dimensions	W: In.	31-1/2			33-1/16			
		D: In.	11-1/4			13	13	13	
		H: In.	21-5/8			33-7/16	33-7/16	33-7/16	
	Weight	Lbs.	66	77	80	119	117	141	
Remote Controller	Type		Wireless Remote (Optional Wired Controller)						
Refrigerant	Type		R410A						
	Charge	Lbs., Oz.	1, 12	2, 9		3, 7	4	4, 10	
	Oil	Type (fl. oz.)	NEO22 (10.8)		NEO22 (15.2)			NEO22 (29.5)	
Refrigerant Pipe	Gas Side O.D.	In.	3/8		1/2		5/8		
	Liquid Side O.D.	In.	1/4		1/4			3/8	
Refrigerant Pipe Length	Height Difference (Max.)	Ft.	40			50			
	Length (Max.)	Ft.	65			100			
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.

(MSZ-FE12NA MODEL SHOWN)

INVERTER

R410A

MSZ HEAT PUMP

Model Name			MSZ-GE09NA	MSZ-FE09NA	MSZ-GE12NA	MSZ-FE12NA
	Indoor Unit / Outdoor Unit		MUZ-GE09NA	MUZ-FE09NA	MUZ-GE12NA	MUZ-FE12NA
Cooling *1	Rated Capacity	Btu/h	9,000	9,000	12,000	12,000
	Capacity Range	Btu/h	3,800-12,200	2,800-9,000	3,800-13,600	2,800-12,000
	Total Input	W	660 (205-1,200)	580 (160-650)	960 (205-1,300)	930 (160-960)
	Energy Efficiency	SEER	21	26	20.5	23
	Moisture Removal	Pints/h	1.5	2.1	2.5	2.9
	Sensible Heat Factor		0.82	0.76	0.74	0.73
Heating at 47° F *2	Rated Capacity	Btu/h	10,900	10,900	14,400	13,600
	Capacity Range	Btu/h	4,500-14,100	3,000-18,000	5,500-18,100	3,000-21,000
	Total Input	W	760 (255-1,200)	710 (150-2,250)	1,170 (340-1,660)	950 (150-2,250)
	HSPF (IV)	Btu/h/W	10			10.6
Heating at 17° F *3	Rated Capacity	Btu/h	6,600	6,700	8,800	8,300
	Rated Total Input	W	700	650	900	800
	Maximum Capacity	Btu/h	8,700	12,500 (10,900 @ 5° F)	11,200	13,600 (12,500 @ 5° F)
Power Supply	Phase, Cycle, Voltage		1-phase, 60Hz, 208 / 230V *4			
Voltage	Indoor - Outdoor S1 - S2		AC 208 / 230V			
	Indoor - Outdoor S2 - S3		DC12-24V			
	Indoor - Remote Controller		Wireless Type (Optional Wired Controller: DC 12V)			
Indoor Unit	MCA	A	1.0			
	Fan Motor	F.L.A.	0.76			
	Airflow at Cooling (Lo-Med-Hi-Super HI-Powerful) *1	DRY (CFM)	145-170-237-321-399	162-226-339-381	145-170-237-321-399	162-226-381-410
		WET (CFM)	109-134-201-286-364	144-202-307-343	109-134-201-286-364	144-202-350-367
	Airflow at Heating (Lo-Med-Hi-Super HI-Powerful) *2	WET (CFM)	145-170-237-321-406	166-240-367-381	145-170-237-321-406	166-240-399-420
	Sound Pressure Level at Cooling (Lo-Med-Hi-Super HI-Powerful) *1	dB(A)	19-22-30-37-43	22-31-39-42	19-22-30-37-45	22-33-43-45
	Sound Pressure Level at Heating (Lo-Med-Hi-Super HI-Powerful) *2	dB(A)	19-22-30-37-43	22-31-40-42	19-22-30-37-43	22-33-43-44
	External Finish Color		Munsell No. 1.0Y 9.2 / 0.2			
	Dimension Unit	W: In.	31-7/16			
		D: In.	9-1/8	10-1/8	9-1/8	10-1/8
		H: In.	11-5/8			
	Weight Unit	Lbs.	22	27	22	27
	Field Drainpipe Size O.D.	In.	5/8			
Outdoor Unit	MCA	A	12			
	MOCP	A	15			
	Fan Motor	F.L.A.	0.50	0.56	0.50	0.56
	Compressor	Model (Type)	DC INVERTER-driven	DC INVERTER-driven Twin Rotary	DC INVERTER-driven	DC INVERTER-driven Twin Rotary
		R.L.A.	6.6	8.6	6.6	8.6
		L.R.A.	8.2	10.8	8.2	10.8
	Airflow (Cooling/Heating)	CFM	1,151 / 1,225	1,102 / 1,187	1,229 / 1,172	1,102 / 1,187
	Refrigerant Control		Linear Expansion Valve			
	Defrost Method		Reverse Cycle			
	Sound Pressure Level at Cooling *1	dB(A)	46	48	49	48
	Sound Pressure Level at Heating *2	dB(A)	50	49	51	49
	External Finish Color		Munsell No. 3Y 7.8 / 1.1			
	Dimensions	W: In.	31-1/2			
		D: In.	11-1/4			
		H: In.	21-5/8			
	Weight	Lbs.	66	80	77	80
Remote Controller	Type		Wireless Remote (Optional Wired Controller)			
Refrigerant	Type		R410A			
	Charge	Lbs., Oz.	1, 12	2, 9		
	Oil	Type (fl. oz.)	NEO22 (10.8)			
Refrigerant Pipe	Gas Side O.D.	In.	3/8			
	Liquid Side O.D.	In.	1/4			
Refrigerant Pipe Length	Height Difference (Max.)	Ft.	40			
	Length (Max.)	Ft.	65			
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° 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).

*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.

(MSY(Z)-D30NA MODEL SHOWN)

INVERTER

R410A

MSZ HEAT PUMP (CONT.)

ENERGY STAR TAX CREDIT

Model Name	Indoor Unit		MSZ-GE15NA	MSZ-GE18NA	MSZ-GA24NA	MSZ-D30NA	MSZ-D36NA
	Outdoor Unit		MUZ-GE15NA	MUZ-GE18NA	MUZ-GA24NA	MUZ-D30NA	MUZ-D36NA
Cooling *1	Rated Capacity	Btu/h	14,000	17,200	22,000	30,700	33,200
	Capacity Range	Btu/h	3,100-18,200	3,700-18,700	4,400-22,000	9,800-30,700	9,800-33,200
	Total Input	W	1,080 (160-2,000)	1,640 (240-2,070)	2,500 (270-2,500)	3,850 (620-3,850)	4,360 (620-4,360)
	Energy Efficiency	SEER	21	19.2	17.5	14.5	
	Moisture Removal	Pints/h	2.7	4.6	7.3	9.9	11.3
	Sensible Heat Factor		0.80	0.71	0.63	0.64	0.62
Heating at 47º F *2	Rated Capacity	Btu/h	18,000	21,600	23,200	32,600	35,200
	Capacity Range	Btu/h	4,800-20,900	3,500-25,200	3,600-24,400	8,700-34,000	8,700-36,000
	Total Input	W	1,600 (270-2,010)	1,900 (230-2,680)	2,140 (250-2,520)	3,360 (520-3,600)	3,840 (520-4,100)
	HSPF (Region IV)	Btu/h/W	10	10	9.5	8.2	
Heating at 17º F *3	Rated Capacity	Btu/h	11,300	13,400	14,000	19,500	21,800
	Total Input	W	1,150	1,450	1,635	2,400	2,820
	Maximum Capacity	Btu/h	15,900	17,200	15,200	20,800	22,800
Power Supply	Phase, Cycle, Voltage		1 Phase, 60Hz, 208/230V *4				
Voltage	Indoor - Outdoor S1-S2		AC 208 / 230V				
	Indoor - Outdoor S2-S3		DC12-24				
	Indoor - Remote Controller		Wireless Type (Optional Wired Controller: DC12V)				
Indoor Unit	MCA	A	1.0				
	Fan Motor	F.L.A.	0.76				
	Airflow (Cool) (Lo-Med-Hi-Super HI-Powerful) *1	DRY (CFM)	205-272-335-420-533	230-275-339-420-533	296-431-568-624	389-639-848	
		WET (CFM)	170-237-300-385-498	194-240-304-385-498	265-385-508-558	350-576-763	
	Airflow (Heat) (Lo-Med-Hi-Super HI-Powerful) *2	DRY (CFM)	205-247-304-367-463	230-275-339-431-512	350-486-568-590	445-639-848	
	Sound Pressure Level (Cooling) (Lo-Med-Hi-Super HI-Powerful) *1	dB(A)	26-32-38-44-49	28-33-38-44-49	34-40-49-51	32-42-49	
	Sound Level Pressure (Heating) (Lo-Med-Hi-Super HI-Powerful) *2		26-30-35-40-46	28-33-38-43-48	34-40-48-49	34-42-49	
	External Finish Color		Munsell No. 1.0Y 9.2/0.2				
	Dimension Unit	W: In.	31-7/16		43-5/16	46-1/16	
		D: In.	9-1/8		10-1/4	11-5/8	
		H: In.	11-5/8		12-13/16	14-3/8	
	Weight Unit	Lbs.	22		37	40	
	Field Drainpipe Size O.D.	In.	5/8				
Outdoor Unit	MCA	A	12	14	17	21	
	MOCP	A	15		20	25	
	Fan Motor	F.L.A.	0.50	0.93			
	Compressor	Model (Type)	DC INVERTER-driven Twin Rotary				
		R.L.A.	7.4	10.0	12.8	16	
		L.R.A.	9.3	12.5	16.0	20	
	Airflow	CFM	1,243 / 1,229	1,730 / 1,659	1,729 / 1,660	1,941	
	Refrigerant Control		Linear Expansion Valve				
	Defrost Method		Reverse Cycle				
	Sound Pressure Level	dB(A) *1	49	54	55		56
	External Finish Color		Munsell No. 3Y 7.8/1.1				
	Dimensions	W: In.	31-1/2	33-1/16			
		D: In.	11-1/4	13			
		H: In.	21-5/8	33-7/16			
	Weight	Lbs.	80	119	117	141	
Remote Controller	Type		Wireless Remote (Optional Wired Controller)				
Refrigerant	Type		R410A				
	Charge	Lbs., Oz.	2, 9	3, 7	4	4, 10	
	Oil	Type (Fl. Oz.)	NE022 (15.2)		NEO 22(15.2)	NE022 (29)	
Refrigerant Pipe	Gas Side O.D.	In.	1/2		5/8		
	Liquid Side O.D.		1/4			3/8	
	Height Difference (Max.)	Ft.	40	50			
	Length (Max.)		65	100			
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.

MULTIPLE ROOMS WITH INDIVIDUAL CONTROL FROM A SINGLE SYSTEM

With a multi-room system, you can enjoy your ideal level of comfort in the most important rooms in your home. Each room (zone) operates independently. People in difference rooms – the kitchen, master bedroom or living room – can enjoy temperature settings that make each of them most comfortable.

If you're looking for a complete comfort solution for several different rooms, the MXZ multi-room system is the right choice. The system is flexible enough to conform to your particular cooling and heating needs, with over 40 different indoor unit combinations, up to four indoor units connected to one outdoor unit. And now, with a SEZ horizontal ducted unit, you can enjoy an even greater range of zoning options provided by an MXZ system.

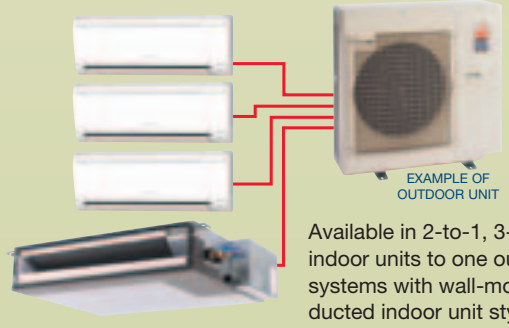
An MXZ multi-room system is an excellent choice for supplementing capacity to your current system or to condition newly finished spaces or new additions. You can also benefit from lower energy costs year-round while staying comfortable, thanks to Mitsubishi's energy-efficient technologies.

The new dual-zone MXZ-2B20 system with two MSZ-GE09 wall-mounted indoor units also qualifies for both ENERGY STAR® and the Federal Tax Credit.

At right: a single level home with several system types represented.
(For illustrative purposes only.)

To find out which system is the best solution for you, contact your local Mitsubishi Diamond Dealer for an in-home evaluation.

MXZ Multi-Room Systems



Available in 2-to-1, 3-to-1 and 4-to-1 indoor units to one outdoor unit systems with wall-mounted and/or ducted indoor unit styles in a wide range of capacities, the MXZ multi-room system has the right solution for your needs.

MSZ Wall-Mounted Indoor Units for MXZ Heat Pump Systems

Providing a wide range of cooling and heating capacities, each wall-mounted indoor unit mounts high on a wall and connects to the outdoor unit by a refrigerant line run via a 3″ hole. The MSZ units provide highly efficient solutions to cooling and heating needs, and provide personalized comfort for the individual zones in which they are installed.

Features of the MSZ units on MXZ systems include:
- Sleek, flat panel design
- Hot-start technology
- Quiet operation
- i-see™ sensor technology (MSZ-FE only)
- Enhanced filtration system
- Wireless remote control

MSZ Indoor Unit

MUZ Outdoor Unit

SEZ Horizontal Ducted Indoor Units for MXZ Heat Pump Systems

SEZ ducted units can provide similar split air-conditioning system advantages, with the added benefit of being concealed to provide virtually no visual footprint within the conditioned space other than a register and grille for the air to flow. With the use of short run ductwork, these units can provide comfort to a single room that needs air dispersed evenly throughout the space, unusually shaped rooms and even adjacent rooms.

Other features of the SEZ unit on MXZ systems include:
- Concealed design for short run ductwork
- Quiet operation
- Built-in condensate lift mechanism
- Wired remote control

MULTI-ROOM MXZ INVERTER HEAT PUMP

Model Name	Outdoor Unit			MXZ-2A20NA *5	MXZ-3A30NA *6	MXZ-4A36NA *7
Outdoor Unit	Cooling *1 Non-ducted/Ducted	Rated Capacity	Btu/h	20,000/20,000	28,400/27,400	36,000/34,400
		Capacity Range	Btu/h	7,800-20,000	12,600-28,400	12,600-36,400
		Total Input	W	2,150 (630-2,150)	3,250 (1,000-3,330)	3,820 (1,000-4,020)
	Heating at 47° F *2 Non-ducted/Ducted	Rated Capacity	Btu/h	22,000/22,000	28,600/27,600	36,000/34,400
		Capacity Range	Btu/h	8,500-22,000	11,400-36,000	11,400-43,000
		Total Input	W	1,780 (520-1,780)	2,180 (740-2,880)	3,100 (740-4,350)
	Heating at 17° F *3 Non-ducted/Ducted	Rated Capacity	Btu/h	14,500/12,500	16,000/15,100	19,400/20,300
		Total Input	W	1,500/1,430	1,690/1,590	2,330/2,340
		Maximum Capacity	Btu/h	14,500/12,500	18,800/18,000	24,600/25,400
		Maximum Total Input	W	1,500/1,430	2,120/2,140	3,340/3,450
Power Supply	Phase,Cycle,Voltage			1 Phase, 60Hz, 208 / 230V *8		
Voltage	Indoor - Outdoor S1-S2			AC 208-230V		
	Indoor - Outdoor S2-S3			DC12-24V		
Outdoor Unit *4	MCA		A	15		19
	MOCP		A	20		
	Fan Motor		F.L.A.	0.96	0.93	
	Compressor		Model (Type)	DC INVERTER-driven Twin Rotary		
			R.L.A.	10.1	11	14.4
			L.R.A.	15		
	Airflow (Cooling/Heating) *1/*2		CFM	1,485/1,640	1,365/1,605	2,068/2,068
	Refrigerant Control			Linear Expansion Valve		
	Defrost Method			Reverse Cycle		
	Sound Pressure Level (Cooling/Heating) *1/*2		dB(A)	49/51	49/49	54/57
	External Finish Color			Munsell No. 5Y 8/1	Munsell No. 3Y 7.8/1.1	
	Dimensions		W: In.	33-1/16	35-7/16	
			D: In.	13 (+1-3/16)	12-5/8 (+1-3/16)	
			H: In.	27-15/16	35-7/16	
	Weight		Lbs.	130	148	150
Remote Controller	Type			Associated With Indoor Unit Model		
Refrigerant	Type			R410A		
	Charge		Lbs., Oz.	5,15	7,11	8,13
	Oil		Type (Fl. Oz.)	NEO22 (23.7)	NEO22 (29.4)	
Refrigerant Pipe	Gas Side O.D.		In.	A, B: 3/8	A: 1/2; B, C: 3/8	A: 1/2; B, C, D: 3/8
	Liquid Side O.D.			1/4		
	Height Difference (Max.)		Ft.	49/33 *9		
	Length (Max.)			164 (A+B)	230 (A+B+C)	230 (A+B+C+D)
	Length (Each Indoor Unit)			82		
Connection Method	Indoor/Outdoor			Flared/Flared		

*Compatible with the MSZ-A, MSZ-FD and SEZ series indoor units

NOTES: Test conditions are based on AHRI 210/240. One indoor unit is turned off during low-speed testing under the new test conditions. **Systems actually exhibit higher energy efficiencies during normal operation.**

*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° 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).

*4 Refer to pages 12 and 13 for Indoor Unit specifications.

*5 Data from combination of Indoor Units MSZ-A09NA and MSZ-A12NA.

*6 Data from combination of Indoor Units MSZ-A09NA, MSZ-A09NA and MSZ-A12NA.

*7 Data from combination of four MSZ-A09NA Indoor Units.

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

*9 49' Applies to installations where the outdoor unit is installed below the indoor unit.

Power factor equals 97 percent.

Specifications are subject to change without notice.

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

Rated Combinations

The charts below indicate the rated capacities for each of the MXZ systems.

With the addition of ducted indoor units to the MXZ-Series, the number of available combinations has greatly expanded. The installation specifications and rated capacities vary on systems using wall-mounted only (MSZ-A and/or MSZ-FD), ducted only or a combination of unit styles.

MXZ-2A20NA Combinations

9 + 9
9 + 12
9 + 15
12 + 12

MXZ-3A30NA Combinations

9 + 9
9 + 12
9 + 15
9 + 17 or 18
9 + 24
12 + 12
12 + 15
12 + 17 or 18
15 + 15
15 + 17 or 18
17 or 18 + 17 or 18
9 + 9 + 9
9 + 9 + 12
9 + 9 + 15
9 + 9 + 17 or 18

MXZ-4A36NA Combinations

9 + 9 + 9
9 + 9 + 12
9 + 9 + 15
9 + 9 + 17 or 18
9 + 9 + 24
9 + 12 + 12
9 + 2 + 15
9 + 12 + 17 or 18
9 + 15 + 15
9 + 15 + 17 or 18
9 + 17 + 17 or 18
12 + 12 + 12
12 + 12 + 15
12 + 12 + 17 or 18
12 + 15 + 17 or 18
9 + 9 + 9 + 9
9 + 9 + 9 + 12
9 + 9 + 9 + 15
9 + 9 + 12 + 12

SEER and HSPF Ratings

Model	Indoor Unit Type	SEER	HSPF
MXZ-2A20NA	Non-ducted	16	8.5
	Ducted and Non-ducted	15.5	8.5
	Ducted	15.5	8.5
MXZ-3A30NA	Non-ducted	16	10
	Ducted and Non-ducted	15.2	9.7
	Ducted	14.5	9.5
MXZ-4A36NA	Non-ducted	16	8.5
	Ducted and Non-ducted	15.5	8.75
	Ducted	15	9

MSZ WALL-MOUNTED INDOOR UNITS
(FOR MXZ-2A20/3A30/4A36NA OUTDOOR UNITS)

Model Name	Indoor Unit		MSZ-A09NA	MSZ-FD09NA	MSZ-A12NA	MSZ-FD12NA	MSZ-A15NA	MSZ-A17NA	MSZ-A24NA
	Outdoor Unit		For Use with all MXZ-Series						
Cooling *1	Rated Capacity	Btu/h	9,000	9,000	12,000	12,000	15,000	16,200	22,000
	Total Input	W	16	18	21	24	30	30	53
Heating at 47° F *2	Rated Capacity	Btu/h	10,900	10,900	13,600	13,600	18,000	20,100	23,200
	Total Input	W	16	24	21	30	30	30	53
Power Supply	Phase, Cycle, Voltage		1 Phase, 60Hz, 208 / 230V *4						
Voltage	Indoor - Outdoor S1-S2		AC 208-230V						
	Indoor - Outdoor S2-S3		DC12-24V						
	Indoor - Remote Controller		Wireless Type (Optional Wired Controller: DC12V)						
	MCA *4	A	1.0						
Fan	Fan Motor	F.L.A.	0.76						
	Airflow (Cool) (Lo-Med-Hi) *1	DRY (CFM)	152-229-307	162-226-339	152-240-353	162-226-381	268-328-381		296-431-568
		WET (CFM)	134-205-275	144-202-307	134-215-318	144-202-350	240-293-342		265-385-508
	Airflow (Heat) (Lo-Med-Hi) *2	DRY (CFM)	159-222-307	166-240-367	159-240-353	166-240-399	254-314-381		296-486-568
Sound Pressure Level (Cooling) (Lo-Med-Hi) *1		dB(A)	22-33-38	22-31-39	22-34-42	22-33-43	34-40-45	34-40-46	34-40-49
Sound Level Pressure (Heating) (Lo-Med-Hi) *2			22-33-38	22-31-40	22-34-42	22-33-43	34-38-44		34-40-48
External Finish Color			Munsell No. 1.0Y 9.2/0.2						
Dimension		W: In.	30-11/16	31-7/16	30-11/16	31-7/16	30-11/16		43-5/16
		D: In.	8-1/4	10-1/8	8-1/4	10-1/8	8-1/4		10-1/4
		H: In.	11-3/4	11-5/8	11-3/4	11-5/8	11-3/4		12-13/16
Weight		Lbs.	23	27	23	27	23		37
Field Drainpipe Size		In.	O.D.: 5/8						
Remote Controller	Type		Wireless Remote (Optional Wired Controller)						
Refrigerant	Type		R410A						
Refrigerant Pipe	Gas Side O.D.	In.	3/8				1/2		5/8
	Liquid Side O.D.		1/4						
Connection Method	Indoor/Outdoor		Flared/Flared						

INVERTER

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° 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).
*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.

For data on specific indoor unit combinations, see pages 21 to 23.

SEZ DUCTED INDOOR UNIT
(FOR MXZ-2A20/2B20/3A30/4A36NA OUTDOOR UNITS)

Model Name	Indoor Unit		SEZ-KD09NA	SEZ-KD12NA	SEZ-KD15NA	SEZ-KD18NA
	Outdoor Unit		For Use with all MXZ-Series			
Cooling *1	Rated Capacity	Btu/h	9,000	12,000	15,000	17,200
	Total Input	W	60	70	90	
Heating at 47° F *2	Rated Capacity	Btu/h	10,900	13,600	18,000	20,100
	Total Input	W	40	50	70	
Power Supply	Phase, Cycle, Voltage		1-Phase, 60Hz, 208 / 230V *4			
Voltage	Indoor - Outdoor S1-S2		AC 208- 230V			
	Indoor - Outdoor S2-S3		DC24V			
	MCA *4	A	1.0			
Fan	Fan Motor Output	W	96			
	Airflow (Lo-Med-Hi)	CFM	194-247-317	247-317-388	353-441-529	423-529-635
	External Static Pressure *3	In.W.G.	0.02-0.06-0.14-0.20			
Sound Pressure Levels (Lo-Med-Hi)		dB(A)	23-26-30	23-28-33	30-34-37	30-34-38
External Finish			Galvanized-steel Sheets			
Dimension		W: In.	31-1/8	39		46-7/8
		D: In.	27-9/16			
		H: In.	7-7/8			
Weight		Lbs.	40	46	51	60
Drain Lift Mechanism (Included)		H: In.	21-11/16			
Field Drainpipe Size		In.	O.D.: 1-1/4			
Remote Controller	Type		Wired Controller (PAR-21MAA)			
Refrigerant	Type		R410A			
Refrigerant Pipe	Gas Side O.D.	In.	3/8		1/2	
	Liquid Side O.D.		1/4			
Connection Method			Flared/Flare			

INVERTER

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

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

*3 External static pressure is factory set to 0.06" W.G. Adjustable via the PAR-21MAA

*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.

**For data on specific indoor unit combinations, see page 21 - 23

Multiple Rooms With An Added Bonus

The MXZ-2B20NA system, when combined with two MSZ-GE09NA indoor units, is ENERGY STAR rated and qualifies for the government's Economic Stimulus Tax Credit of up to $1,500.

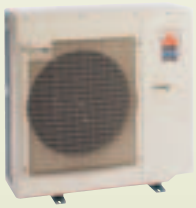
This is only the start. The system continues to be rated with a wide variety of combinations of indoor units to handle a number of applications.

Visit www.mitsubishicomfort.com/taxcredit for more details on the qualified systems or ask your contractor.

Visit www.dsireusa.org for any possible local rebate opportunities from state or utility companies.

MULTI-ROOM MXZ-2B20NA INVERTER HEAT PUMP

Model Name		Outdoor Unit		MXZ-2B20NA *5
Outdoor Unit	Cooling *1 Non-ducted/Ducted	Rated Capacity	Btu/h	18,000/20,000
		Capacity Range	Btu/h	7,800-20,000
		Total Input	W	2,190 (630-2,190)
	Heating at 47° F *2 Non-ducted/ Ducted	Rated Capacity	Btu/h	22,000/22,000
		Capacity Range	Btu/h	8,500-25,500
		Total Input	W	1,780 (520-1,780)
	Heating at 17° F *3 Non-ducted/ Ducted	Rated Capacity	Btu/h	12,500/12,500
		Rated Total Input	W	1,350/1,430
		Maximum Capacity	Btu/h	14,500
		Maximum Total Input	W	1,500
Power Supply		Phase, Cycle, Voltage		1-phase, 60Hz, 208 / 230V *8
Voltage		Indoor - Outdoor S1 - S2		AC 208 / 230V
		Indoor - Outdoor S2 - S3		DC12-24V
Outdoor Unit *4		MCA	A	15
		MOCP	A	20
		Fan Motor	F.L.A.	0.96
		Compressor	Model (Type)	DC INVERTER-driven Twin Rotary
			R.L.A.	10.1
			L.R.A.	15
		Airflow (Cooling/Heating)	CFM	1,640
		Refrigerant Control		Linear Expansion Valve
		Defrost Method		Reverse Cycle
		Sound Pressure Level at Cooling *1	dB(A)	49
		Sound Pressure Level at Heating *2	dB(A)	51
		External Finish Color		Munsell No. 5Y 8.0 / 1.0
		Dimensions	W: In.	33-1/16
			D: In.	13
			H: In.	27-15/16
		Weight	Lbs.	130
Remote Controller		Type		Associated With Indoor Unit Model
Refrigerant		Type		R410A
		Charge	Lbs., Oz.	5, 15
		Oil	Type (fl. oz.)	NE022 (23.7)
Refrigerant Pipe		Gas Side O.D.	In.	3/8
		Liquid Side O.D.	In.	1/4
Refrigerant Pipe Length		Height Difference (Max.)	Ft.	49/33
		Length (Max.)	Ft.	164
Connection Method		Indoor/Outdoor		Flared/Flared



INVERTER

R410A

*Compatible with the MSZ-A, MSZ-FD, MSZ-GE, MSZ-FE and SEZ series indoor units

NOTES: Test conditions are based on AHRI 210/240. One indoor unit is turned off during low-speed testing under the new test conditions. **Systems actually exhibit higher energy efficiencies during normal operation.**

*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° 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).

*4 Refer to pages 12 and 13 for Indoor Unit specifications.

*5 Data from combination of two Indoor Units MSZ-GE09NA.

*6 Data from combination of Indoor Units MSZ-A09NA, MSZ-A09NA and MSZ-A12NA.

*7 Data from combination of four MSZ-A09NA Indoor Units.

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

*9 49' Applies to installations where the outdoor unit is installed below the indoor unit.

Power factor equals 97 percent.

Specifications are subject to change without notice.

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

Rated Combinations

The charts below indicate the rated capacities for each of the MXZ systems.

With the addition of ducted indoor units to the MXZ-Series, the number of available combinations has greatly expanded. The installation specifications and rated capacities vary on systems using wall-mounted only (MSZ-GE and/or MSZ-FE), ducted only (SEZ-KD) or a combination of unit styles.

MXZ-2B20NA Combinations

9 + 9
9 + 12
9 + 15
12 + 12

SEER and HSPF Ratings

Model	Indoor Unit Type	SEER	HSPF
MXZ-2B20NA	Non-ducted	16	8.5
	Ducted and Non-ducted	15.5	8.5
	Ducted	15.5	8.5
MXZ-2B20NA ENERGY STAR & TAX CREDIT	2 x MSZ-GE09NA	18	8.9

MSZ WALL-MOUNTED INDOOR UNITS
(FOR MXZ-2B20NA OUTDOOR UNIT)

INVERTER

R410

Model Name	Indoor Unit		MSZ-GE09NA	MSZ-FE09NA	MSZ-GE12NA	MSZ-FE12NA	MSZ-GE15NA	MSZ-GE18NA
Cooling *1	Rated Capacity	Btu/h	9,000	9,000	12,000	12,000	14,000	17,200
	Total Input	W	22	18	22	24	45	43
Heating at 47° F *2	Rated Capacity	Btu/h	10,900	10,900	14,400	13,600	18,000	21,600
	Total Input	W	23	24	23	30	31	37
Power Supply	Phase, Cycle, Voltage		1-phase, 60Hz, 208 / 230V *3					
Voltage	Indoor - Outdoor S1 - S2		AC 208 / 230V					
	Indoor - Outdoor S2 - S3		DC12-24V					
	Indoor - Remote Controller		Wireless Type (Optional Wired Controller: DC 12V)					
	MCA	A	1.0					
Fan	Fan Motor	F.L.A.	0.76					
	Airflow at Cooling (Quiet-Lo-Med-Hi-Super Hi or Lo-Med-Hi-Powerful)*1	DRY (CFM)	145-170-237-321-399	162-226-339-381	145-170-237-321-399	162-226-381-410	205-272-335-420-533	230-275-339-420-533
		WET (CFM)	109-134-201-286-364	144-202-307-343	109-134-201-286-364	144-202-350-367	170-237-300-385-498	194-240-304-385-498
	Airflow at Heating (Quiet-Lo-Med-Hi-Super Hi or Lo-Med-Hi-Powerful) *2	WET (CFM)	145-170-237-321-406	166-240-367-381	145-170-237-321-406	166-240-399-420	205-247-304-367-463	230-275-339-431-512
Sound Pressure Level at Cooling (Quiet-Lo-Med-Hi-Super Hi or Lo-Med-Hi-Powerful) *1		dB(A)	19-22-30-37-43	22-31-39-42	19-22-30-37-45	22-33-43-45	26-32-38-44-49	28-33-38-44-49
Sound Pressure Level at Heating (Quiet-Lo-Med-Hi-Super Hi or Lo-Med-Hi-Powerful) *2		dB(A)	19-22-30-37-43	22-31-40-42	19-22-30-37-43	22-23-43-44	26-30-35-40-46	28-33-38-43-48
External Finish Color			Munsell No. 1.0Y 9.2 / 0.2					
Dimension Unit		W: In.	31-7/16					
		D: In.	9-1/8	10-1/8	9-1/8	10-1/8	9-1/8	
		H: In.	11-5/8					
Weight Unit		Lbs.	22	27	22	27	22	
Field Drainpipe Size O.D.		In.	5/8					
Remote Controller	Type		Wireless Remote (Optional Wired Controller)					
Refrigerant	Type		R410A					
Refrigerant Pipe	Gas Side O.D.	In.	3/8				1/2	
	Liquid Side O.D.	In.	1/4					
Connection Method	Indoor/Outdoor		Flared/Flared					

*MXZ-2B20NA is also compatible with the MSZ-A and MSZ-FD series indoor units.
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° C).
*3 Indoor units receive power from outdoor units through field-supplied wiring.
Specifications are subject to change without notice.
LIMITED WARRANTY Seven-year warranty on compressor. Five-year warranty on parts.
For data on specific indoor unit combinations, see pages 21.

SEZ DUCTED INDOOR UNIT
(FOR MXZ-2A20/2B20/3A30/4A36NA OUTDOOR UNITS)

INVERTER

R410

Model Name	Indoor Unit		SEZ-KD09NA	SEZ-KD12NA	SEZ-KD15NA	SEZ-KD18NA
	Outdoor Unit		For Use with all MXZ-Series			
Cooling *1	Rated Capacity	Btu/h	9,000	12,000	15,000	17,200
	Total Input	W	60	70	90	
Heating at 47° F *2	Rated Capacity	Btu/h	10,900	13,600	18,000	20,100
	Total Input	W	40	50	70	
Power Supply	Phase, Cycle, Voltage		1-Phase, 60Hz, 208 / 230V *4			
Voltage	Indoor - Outdoor S1-S2		AC 208-230V			
	Indoor - Outdoor S2-S3		DC24V			
	MCA *4	A	1.0			
Fan	Fan Motor Output	W	96			
	Airflow (Lo-Med-Hi)	CFM	194-247-317	247-317-388	353-441-529	423-529-635
	External Static Pressure *3	In.W.G.	0.02-0.06-0.14-0.20			
Sound Pressure Levels (Lo-Med-Hi)		dB(A)	23-26-30	23-28-33	30-34-37	30-34-38
External Finish			Galvanized-steel Sheets			
Dimension		W: In.	31-1/8	39		46-7/8
		D: In.	27-9/16			
		H: In.	7-7/8			
Weight		Lbs.	40	46	51	60
Drain Lift Mechanism (Included)		H: In.	21-11/16			
Field Drainpipe Size		In.	O.D.: 1-1/4			
Remote Controller	Type		Wired Controller (PAR-21MAA)			
Refrigerant	Type		R410A			
Refrigerant Pipe	Gas Side O.D.	In.	3/8		1/2	
	Liquid Side O.D.		1/4			
Connection Method			Flared/Flare			

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

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

*3 External static pressure is factory set to 0.06" W.G. Adjustable via the PAR-21MAA

*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.

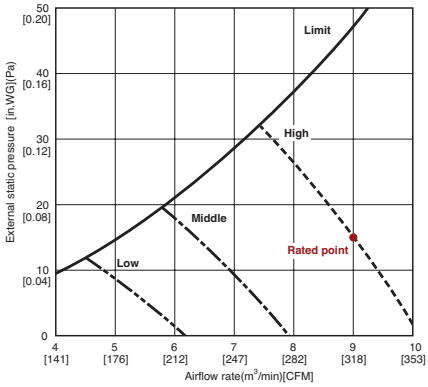
**For data on specific indoor unit combinations, see page 21 - 23

SEZ STATIC PERFORMANCE CURVES

(SEZ-KD12NA MODEL SHOWN)

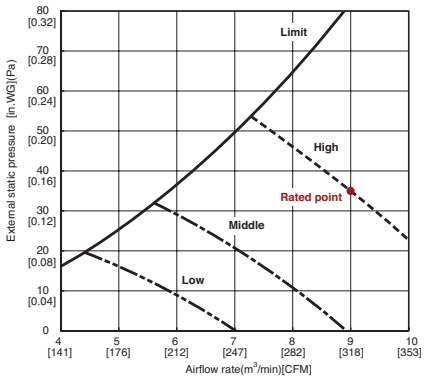
SEZ-KD09NA

(External static pressure 0.06[in.WG](15Pa)) 208/230V 60Hz



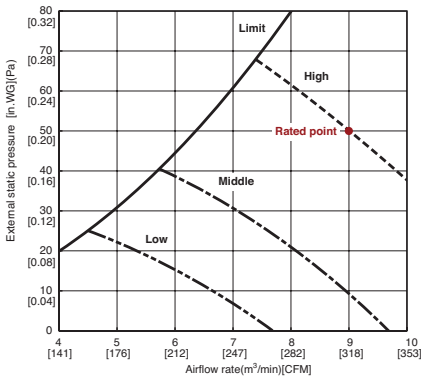
SEZ-KD09NA

(External static pressure 0.14[in.WG](35Pa)) 208/230V 60Hz



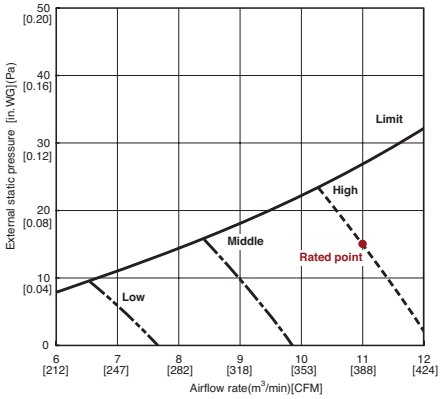
SEZ-KD09NA

(External static pressure 0.20[in.WG](50Pa)) 208/230V 60Hz



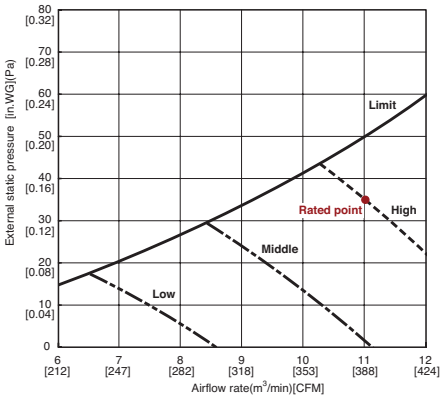
SEZ-KD12NA

(External static pressure 0.06[in.WG](15Pa)) 208/230V 60Hz



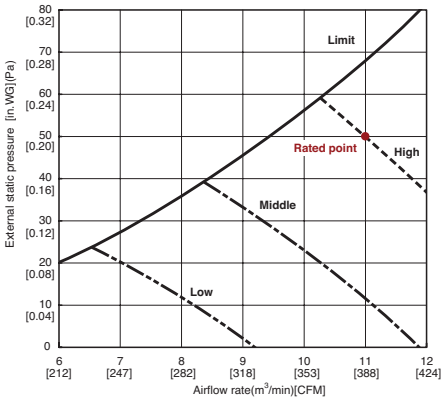
SEZ-KD12NA

(External static pressure 0.14[in.WG](35Pa)) 208/230V 60Hz



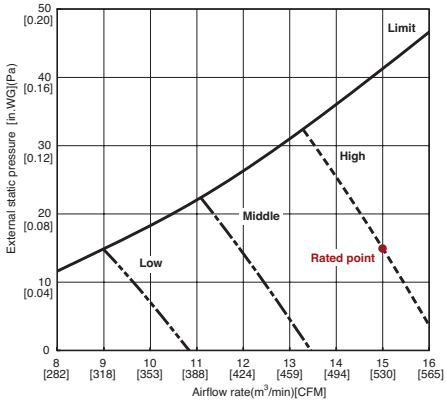
SEZ-KD12NA

(External static pressure 0.20[in.WG](50Pa)) 208/230V 60Hz



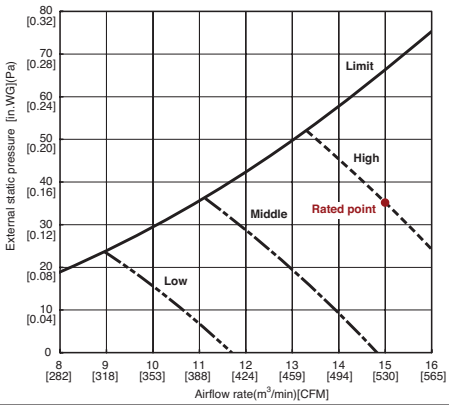
SEZ-KD15NA

(External static pressure 0.06[in.WG](15Pa)) 208/230V 60Hz



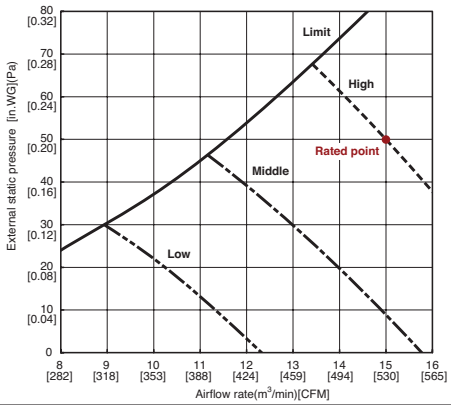
SEZ-KD15NA

(External static pressure 0.14[in.WG](35Pa)) 208/230V 60Hz



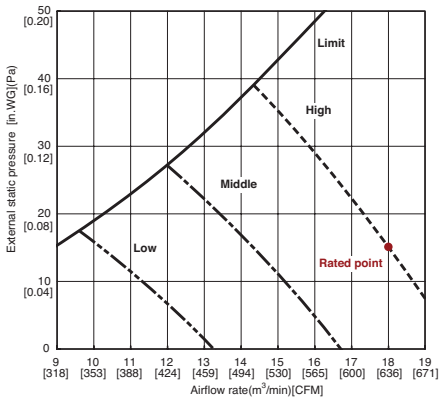
SEZ-KD15NA

(External static pressure 0.20[in.WG](50Pa)) 208/230V 60Hz



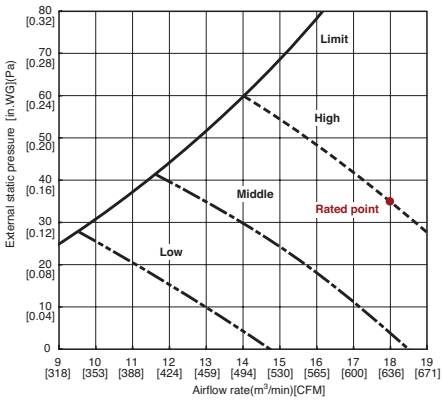
SEZ-KD18NA

(External static pressure 0.06[in.WG](15Pa)) 208/230V 60Hz



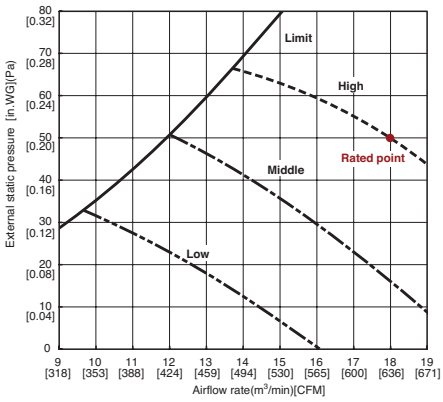
SEZ-KD18NA

(External static pressure 0.14[in.WG](35Pa)) 208/230V 60Hz



SEZ-KD18NA

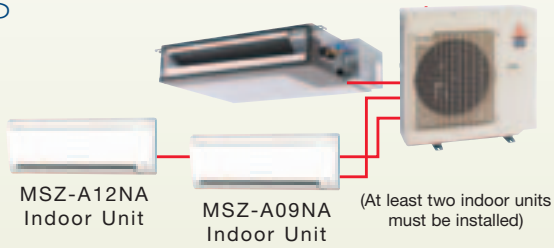
(External static pressure 0.20[in.WG](50Pa)) 208/230V 60Hz



Note: ESP @ 208/230V, 60 Hz. See manual for Static Performance Curve, including @ 0.02 in W.G.

MXZ SYSTEM COMBINATION OPTIONS

MXZ-3A30NA (3:1, 2:1)
Outdoor Unit



MSZ-A12NA
Indoor Unit

MSZ-A09NA
Indoor Unit

(At least two indoor units must be installed)

MXZ-2A20NA Combinations*

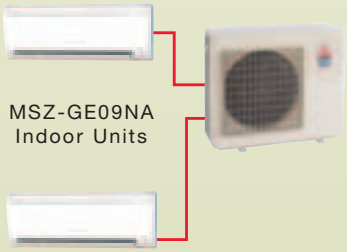
(using MSZ-A and/or MSZ-FD wall-mounted indoor units and/or SEZ ducted indoor units)

Indoor Unit (Unit A + Unit B) Combinations	Cooling Capacity (Btu/h) / Heating Capacity (Btu/h)			Power Usage (W)
	Unit A	Unit B	Total	
9 + 9	9,000	9,000	18,000	1,740-1,780
	10,900	10,900	21,800	1,820
9 + 12	8,500	11,500	20,000 22,000	2,150-2,190 1,780
	9,500	12,500		
9 + 15	7,500	12,500		
	8,250	13,750		
12 + 12	10,000	10,000		
	11,000	11,000		

* Information provided at 208/230V. Refer to MXZ Outdoor Unit Service Manual for detail specification and additional information per indoor unit combination.

Specifications are subject to change without notice.

MXZ-2B20NA (2:1)
Outdoor Unit



MSZ-GE09NA
Indoor Units

(Two indoor units must be installed)

MXZ-2B20NA Combinations*

(using MSZ-GE and/or MSZ-FE wall-mounted indoor units and/or SEZ ducted indoor units)

Indoor Unit (Unit A + Unit B) Combinations	Cooling Capacity (Btu/h) / Heating Capacity (Btu/h)			Power Usage (W)
	Unit A	Unit B	Total	
9 + 9	9,000	9,000	18,000	1,440 - 1,780
	Wall: 11,000 Ducted: 10,900	Wall: 11,000 Ducted: 10,900	22,000 (All Wall-mounted MSZ) 21,800 (All Ducted SEZ) 21,900 (Combination)	1,650 - 1,820
9 + 12	8,500	11,500	18,000 22,000	1,660 - 2,190 1,650 - 1,780
	9,500	12,500		
9 + 15	7,500	12,500		
	8,250	13,750		
12 + 12	10,000	10,000		1,630 - 2,190 1,650 - 1,780
	11,000	11,000		

* Information provided at 208/230V. Refer to MXZ Outdoor Unit Service Manual for detail specification and additional information per indoor unit combination.

Specifications are subject to change without notice.

MXZ-3A30NA Combinations*

(using MSZ-A and/or MSZ-FD wall-mounted indoor units and/or SEZ ducted indoor units)

Indoor Unit (Unit A + Unit B + Unit C) Combinations **	Cooling Capacity (Btu/h) / Heating Capacity (Btu/h)				Power Usage (W)
	Unit A	Unit B	Unit C	Total	
9 + 9	9,000	9,000	–	18,000	1,800 - 1,840
	10,900	10,900	–	21,800	1,700
9 + 12	9,000	12,000	–	21,000	2,000 - 2,040
	10,900	13,600	–	24,500	1,980
9 + 15	9,000	15,000	–	24,000	2,500 - 2,540
	10,100	16,900	–	27,000	2,200
9 + 17	9,000	16,200	–	25,200	2,700 - 2,720
	9,300	17,700	–	27,00	2,200
9 + 18	8,900	17,100	–	26,000	2,820 - 2,840
	9,000	18,000	–	27,000	2,200
9 + 24	7,600	20,400	–	28,000	3,200 - 3,220
	7,300	19,700	–	27,000	1,980
12 + 12	12,000	12,000	–	24,000	2,500 - 2,540
	13,500	13,500	–	27,000	2,200
12 + 15	11,500	14,500	–	26,000 27,000	2,800 - 2,840
	12,000	15,000	–		2,160
12 + 17	10,800	15,200	–		2,800 - 2,820
	11,200	15,800	–		2,140
12 + 18	10,400	15,600	–		2,820 - 2,840
	10,800	16,200	–		2,140
15 + 15	13,000	13,000	–		2,800 - 2,840
	13,500	13,500	–		2,120
15 + 17	12,200	13,800	–		2,800 - 2,820
	12,700	14,300	–		2,110
15 + 18	11,800	14,200	–		2,820 - 2,840
	12,300	14,700	–		2,110
17 + 17	13,000	13,000	–		2,800
	13,500	13,500	–		2,100
17 + 18	12,600	13,400	–		2,820
	13,100	13,900	–		2,100
18 + 18	13,000	13,000	–		2,840
	13,500	13,500	–		2,100
9 + 9 + 9	Wall: 9,000 Ducted: 8,500	Wall: 9,000 Ducted: 8,500	Wall: 9,000 Ducted: 8,500	27,000 (All Wall-mounted MSZ) 25,500 (All Ducted SEZ) 26,500 - 26,000 (Combination)	2,860 - 2,950
	Wall: 9,500 Ducted: 9,000	Wall: 9,500 Ducted: 9,000	Wall: 9,500 Ducted: 9,000	28,500 (All Wall-mounted MSZ) 27,000 (All Ducted SEZ) 28,000 - 27,500 (Combination)	2,180 - 2,240
9 + 9 + 12	Wall: 8,500 Ducted: 8,000	Wall: 8,500 Ducted: 8,000	11,400	28,400 (All Wall-mounted MSZ) 27,400 (All Ducted SEZ) 28,400 - 27,400 (Combination)	3,250 - 3,330
	Wall: 8,600 Ducted: 8,100	Wall: 8,600 Ducted: 8,100	11,400	28,600 (All Wall-mounted MSZ) 27,600 (All Ducted SEZ) 28,600 - 27,600 (Combination)	2,180 - 2,220
9 + 9 + 15	Wall: 7,750 Ducted: 7,250	Wall: 7,750 Ducted: 7,250	12,900	28,400 (All Wall-mounted MSZ) 27,400 (All Ducted SEZ) 28,400 - 27,400 (Combination)	3,250 - 3,330
	Wall: 7,800 Ducted: 7,300	Wall: 7,800 Ducted: 7,300	13,000	28,600 (All Wall-mounted MSZ) 27,600 (All Ducted SEZ) 28,600 - 27,600 (Combination)	2,180 - 2,200
9 + 9 + 17	Wall: 7,300 Ducted: 6,800	Wall: 7,300 Ducted: 6,800	13,800	28,400 (All Wall-mounted MSZ) 27,400 (All Ducted SEZ) 27,900 (Combination)	3,250 - 3,310
	Wall: 7,350 Ducted: 6,850	Wall: 7,350 Ducted: 6,850	13,900	28,600 (All Wall-mounted MSZ) 27,600 (All Ducted SEZ) 28,100 (Combination)	2,180 - 2,220
9 + 9 + 18	Wall: 7,100 Ducted: 6,600	Wall: 7,100 Ducted: 6,600	14,200	28,400 (All Wall-mounted MSZ) 27,400 (All Ducted SEZ) 27,900 (Combination)	3,270 - 3,330
	Wall: 7,200 Ducted: 6,700	Wall: 7,200 Ducted: 6,700	14,200	28,600 (All Wall-mounted MSZ) 27,600 (All Ducted SEZ) 28,100 (Combination)	2,180 - 2,220

* Information provided at 208/230V. Refer to MXZ Outdoor Unit Service Manual for detail specification and additional information per indoor unit combination.

** Sizes 17 and 24 only available in MSZ-A17 and MSZ-A24 wall-mounted indoor unit style, respectively. Size 18 only available in SEZ-KD18 ducted indoor unit style specification and additional information per indoor unit combination.

Specifications are subject to change without notice.

MXZ-4A36NA Combinations*

(using MSZ-A and/or MSZ-FD wall-mounted indoor units and/or SEZ ducted indoor units)

Indoor Unit (Unit A + Unit B + Unit C + Unit D) Combinations **	Cooling Capacity (Btu/h) Heating Capacity (Btu/h)					Power Usage (W)
	Unit A	Unit B	Unit C	Unit D	Total	
9 + 9 + 9	Wall: 9,000 Ducted: 8,500	Wall: 9,000 Ducted: 8,500	Wall: 9,000 Ducted: 8,500	–	27,000 (All Wall-mounted MSZ) 25,800 (All Ducted SEZ) 26,600 - 26,200 (Combination)	2,860 - 2,950
	Wall: 10,800 Ducted: 10,400	Wall: 10,800 Ducted: 10,400	Wall: 10,800 Ducted: 10,400	–	32,400 (All Wall-mounted MSZ) 31,200 (All Ducted SEZ) 32,000 - 31,600 (Combination)	2,700
9 + 9 + 12	Wall: 9,000 Ducted: 8,600	Wall: 9,000 Ducted: 8,600	12,000	–	30,000 (All Wall-mounted MSZ) 29,200 (All Ducted SEZ) 30,000 - 29,200 (Combination)	3,270 - 3,350
	Wall: 10,000 Ducted: 9,600	Wall: 10,000 Ducted: 9,600	12,400	–	32,400 (All Wall-mounted MSZ) 31,600 (All Ducted SEZ) 32,400 - 31,600 (Combination)	2,700
9 + 9 + 15	Wall: 8,800 Ducted: 8,400	Wall: 8,800 Ducted: 8,400	14,500	–	32,100 (All Wall-mounted MSZ) 31,300 (All Ducted SEZ) 32,100 - 31,300 (Combination)	3,500 - 3,580
	Wall: 8,900 Ducted: 8,500	Wall: 8,900 Ducted: 8,500	14,600	–	32,400 (All Wall-mounted MSZ) 31,600 (All Ducted SEZ) 32,400 - 31,600 (Combination)	2,700
9 + 9 + 17	Wall: 8,200 Ducted: 7,800	Wall: 8,200 Ducted: 7,800	15,700	–	32,100 (All Wall-mounted MSZ) 31,300 (All Ducted SEZ) 31,700 (Combination)	3,500 - 3,560
	Wall: 8,400 Ducted: 8,000	Wall: 8,400 Ducted: 8,000	15,600	–	32,400 (All Wall-mounted MSZ) 31,600 (All Ducted SEZ) 32,000 (Combination)	2,700
9 + 9 + 18	Wall: 8,100 Ducted: 7,700	Wall: 8,100 Ducted: 7,700	15,900	–	32,100 (All Wall-mounted MSZ) 31,300 (All Ducted SEZ) 31,700 (Combination)	3,520 - 3,580
	Wall: 8,100 Ducted: 7,700	Wall: 8,100 Ducted: 7,700	16,200	–	32,400 (All Wall-mounted MSZ) 31,600 (All Ducted SEZ) 32,000 (Combination)	2,700
9 + 9 + 24	Wall: 6,900 Ducted: 6,500	Wall: 6,900 Ducted: 6,500	18,300	–	32,100 (All Wall-mounted MSZ) 31,300 (All Ducted SEZ) 31,700 (Combination)	3,500 - 3,560
	Wall: 7,800 Ducted: 7,400	Wall: 7,800 Ducted: 7,400	16,800	–	32,400 (All Wall-mounted MSZ) 31,600 (All Ducted SEZ) 32,000 (Combination)	2,700
9 + 12 + 12	Wall: 8,700 Ducted: 8,300	11,700	11,700	–	32,100 (All Wall-mounted MSZ) 31,700 (All Ducted SEZ) 32,100 - 31,700 (Combination)	3,500 - 3,570
	Wall: 9,400 Ducted: 9,000	11,500	11,500	–	32,400 (All Wall-mounted MSZ) 32,000 (All Ducted SEZ) 32,400 - 32,000 (Combination)	2,700
9 + 12 + 15	Wall: 8,000 Ducted: 7,600	10,700	13,400	–	32,100 (All Wall-mounted MSZ) 31,700 (All Ducted SEZ) 32,100 - 31,700 (Combination)	3,500 - 3,570
	Wall: 8,300 Ducted: 7,900	10,400	13,700	–	32,400 (All Wall-mounted MSZ) 32,000 (All Ducted SEZ) 32,400 - 32,000 (Combination)	2,700
9 + 12 + 17	Wall: 7,600 Ducted: 7,200	10,100	14,400	–	32,100 (All Wall-mounted MSZ) 31,700 (All Ducted SEZ) 32,100 - 31,700 (Combination)	3,500 - 3,550
	Wall: 7,900 Ducted: 7,500	9,900	14,600	–	32,400 (All Wall-mounted MSZ) 32,000 (All Ducted SEZ) 32,400 - 32,000 (Combination)	2,700
9 + 12 + 18	Wall: 7,500 Ducted: 7,100	10,000	14,600	–	32,100 (All Wall-mounted MSZ) 31,700 (All Ducted SEZ) 32,100 - 31,700 (Combination)	3,520 - 3,570
	Wall: 7,600 Ducted: 7,200	9,900	14,900	–	32,400 (All Wall-mounted MSZ) 32,000 (All Ducted SEZ) 32,400 - 32,000 (Combination)	2,700
9 + 15 + 15	Wall: 7,500 Ducted: 7,100	12,300	12,300		32,100 (All Wall-mounted MSZ) 31,700 (All Ducted SEZ) 32,100 - 31,700 (Combination)	3,500 - 3,570
	Wall: 7,600 Ducted: 7,200	12,400	12,400		32,400 (All Wall-mounted MSZ) 32,000 (All Ducted SEZ) 32,400 - 32,000 (Combination)	2,700
9 + 15 + 17	Wall: 7,100 Ducted: 6,700	11,700	13,300		32,100 (All Wall-mounted MSZ) 31,700 (All Ducted SEZ) 32,100 - 31,700 (Combination)	3,500 - 3,570
	Wall: 7,200 Ducted: 6,800	11,900	13,300		32,400 (All Wall-mounted MSZ) 32,000 (All Ducted SEZ) 32,400 - 32,000 (Combination)	2,700

* Information provided at 208V. Refer to MXZ Outdoor Unit Service Manual for detail specification and additional information per indoor unit combination.

** Sizes 17 and 24 only available in MSZ-A17 and MSZ-A24 wall-mounted indoor unit style, respectively. Size 18 only available in SEZ-KD18 ducted indoor unit style specification and additional information per indoor unit combination.

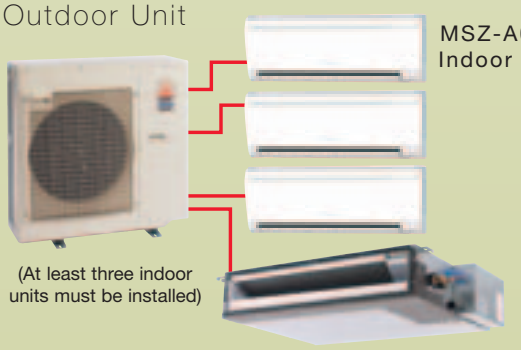
Specifications are subject to change without notice.

MXZ-4A36NA Combinations* (continued)

(using MSZ-A and/or MSZ-FD wall-mounted indoor units and/or SEZ ducted indoor units)

Indoor Unit (Unit A + Unit B + Unit C + Unit D) Combinations **	Cooling Capacity (Btu/h) / Heating Capacity (Btu/h)					Power Usage (W)
	Unit A	Unit B	Unit C	Unit D	Total	
9 + 15 + 18	Wall: 7,000 Ducted: 6,600	11,600	13,500	-	32,100 (All Wall-mounted MSZ) 31,700 (All Ducted SEZ) 32,100 - 31,700 (Combination)	3,500 - 3,570
	Wall: 7,100 Ducted: 6,700	11,900	13,400	-	32,400 (All Wall-mounted MSZ) 32,000 (All Ducted SEZ) 32,400 - 32,000 (Combination)	2,700
9 + 17 + 17	Wall: 6,700 Ducted: 6,300	12,700	12,700	-	32,100 (All Wall-mounted MSZ) 31,700 (Combination)	3,500 - 3,530
	Wall: 7,000 Ducted: 6,600	12,700	12,700	-	32,400 (All Wall-mounted MSZ) 32,000 (Combination)	2,700
9 + 17 + 18	Wall: 6,600 Ducted: 6,200	12,600	12,900	-	32,100 - 31,700 (Combination)	3,520 - 3,550
	Wall: 6,900 Ducted: 6,500	12,700	12,800	-	32,400 - 32,000 (Combination)	2,700
9 + 18 + 18	Wall: 6,500 Ducted: 6,100	12,800	12,800	-	31,700 (All Ducted SEZ) 32,100 (Combination)	3,540 - 3,570
	Wall: 6,800 Ducted: 6,400	12,800	12,800	-	32,400 - 32,000 (Combination)	2,700
12 + 12 + 12	10,700	10,700	10,700	-	32,100	3,500 - 3,560
	10,800	10,800	10,800	-	32,400	2,700
12 + 12 + 15	9,900	9,900	12,300	-	32,100	3,500 - 3,560
	9,700	9,700	13,000	-	32,400	2,700
12 + 12 + 17	9,400	9,400	13,300	-	32,100	3,500 - 3,540
	9,300	9,300	13,800	-	32,400	2,700
12 + 12 + 18	9,300	9,300	13,500	-	32,100	3,520 - 3,560
	9,200	9,200	14,000	-	32,400	2,700
12 + 15 + 15	9,100	11,500	11,500	-	32,100	3,500 - 3,560
	9,000	11,700	11,700	-	32,400	2,700
9 + 9 + 9 + 9	Wall: 9,000 Ducted: 8,600	Wall: 9,000 Ducted: 8,600	Wall: 9,000 Ducted: 8,600	Wall: 9,000 Ducted: 8,600	36,000 (All Wall-mounted MSZ) 34,400 (All Ducted SEZ) 35,600 - 34,800 (Combination)	3,820 - 3,940
	Wall: 9,000 Ducted: 8,600	Wall: 9,000 Ducted: 8,600	Wall: 9,000 Ducted: 8,600	Wall: 9,000 Ducted: 8,600	36,000 (All Wall-mounted MSZ) 34,400 (All Ducted SEZ) 35,600 - 34,800 (Combination)	3,100
9 + 9 + 9 + 12	Wall: 8,300 Ducted: 7,900	Wall: 8,300 Ducted: 7,900	Wall: 8,300 Ducted: 7,900	11,100	36,000 (All Wall-mounted MSZ) 34,800 (All Ducted SEZ) 36,000 - 34,800 (Combination)	3,820 - 3,930
	Wall: 8,300 Ducted: 7,900	Wall: 8,300 Ducted: 7,900	Wall: 8,300 Ducted: 7,900	11,100	36,000 (All Wall-mounted MSZ) 34,800 (All Ducted SEZ) 36,000 - 34,800 (Combination)	3,100
9 + 9 + 9 + 15	Wall: 7,700 Ducted: 7,300	Wall: 7,700 Ducted: 7,300	Wall: 7,700 Ducted: 7,300	12,900	36,000 (All Wall-mounted MSZ) 34,800 (All Ducted SEZ) 36,000 - 34,800 (Combination)	3,820 - 3,930
	Wall: 7,700 Ducted: 7,300	Wall: 7,700 Ducted: 7,300	Wall: 7,700 Ducted: 7,300	12,900	36,000 (All Wall-mounted MSZ) 34,800 (All Ducted SEZ) 36,000 - 34,800 (Combination)	3,100
9 + 9 + 12 + 12	Wall: 7,700 Ducted: 7,300	Wall: 7,700 Ducted: 7,300	10,300	10,300	36,000 (All Wall-mounted MSZ) 35,200 (All Ducted SEZ) 36,000 - 35,200 (Combination)	3,820 - 3,920
	Wall: 7,700 Ducted: 7,300	Wall: 7,700 Ducted: 7,300	10,300	10,300	36,000 (All Wall-mounted MSZ) 35,200 (All Ducted SEZ) 36,000 - 35,200 (Combination)	3,100

MXZ-4A36NA (3:1, 4:1)
Outdoor Unit



MSZ-A09NA
Indoor Units

(At least three indoor units must be installed)

SEZ-KD12NA
Indoor Units

* Information provided at 208V. Refer to MXZ Outdoor Unit Service Manual for detail specification and additional information per indoor unit combination.

** Sizes 17 and 24 only available in MSZ-A17 and MSZ-A24 wall-mounted indoor unit style, respectively. Size 18 only available in SEZ-KD18 ducted indoor unit style specification and additional information per indoor unit combination.

Specifications are subject to change without notice.

Mitsubishi System Technologies:

commercial, institutional and large residential personalized comfort solution. (P-Series systems)

Mitsubishi Electric delivers flexible and convenient cooling and heating solutions to almost any commercial, institutional or large residential application. Choose from small, quiet indoor and outdoor units that operate with the increased efficiency you need. Whether in a church, office building, school, nursing home, restaurant, retail store, or equipment room, the compact design of the indoor units make cooling and heating difficult spaces a breeze.

With wall-mounted, ceiling-recessed, ceiling-suspended and horizontal ducted options, capacities of up to 42,000 Btu/h of cooling or heating performance and Hyper-Heating INVERTER P-Series technology that provides 100 percent heating capacity down to 5˚ F, Mitsubishi Electric systems have the perfect solution for almost any building.

Technology Benefits of Mitsubishi Systems

Features	Benefits
INVERTER TECHNOLOGY	You can enjoy high-speed cooling and heating and consistent delivery of comfort year-round.
QUIET OPERATION	You can hold a board meeting or teach a class in quiet comfort.
EASY INSTALLATION	Installs quickly room by room with minimal interruption.
ZONE CONTROL	You can cool and heat only those spaces desired for maximum control and energy efficiency.
ADVANCED MICROPROCESSOR TECHNOLOGY	Built-in electronics ensure efficient operation and maximum performance for optimum comfort.
LOW AMBIENT COOLING DOWN TO 0˚ F OUTDOORS (REQUIRES WIND BAFFLE)	This feature is perfect for computer network centers and telecom equipment rooms that need help to stay cool down to 0˚ F outside.
ENVIRONMENTALLY FRIENDLY REFRIGERANT	Mitsubishi systems use R410A, an environmentally-friendly refrigerant.

Flexible Control

Convenient and efficient zone control means you can cool or heat only the spaces in use. You can even have single or dual controllers connected to one system. The controller does not even have to be in the space shared with the indoor unit. Features of the controller include a weekly timer, temperature range limiting, auto-off, expanded fault codes, and service call number display.

Installation Service and Maintenance Ease

The units use only three polarity sensitive wires plus a ground conductor run from the outdoor to the indoor unit, providing both power and communication connections. Two non-polar wires connect the indoor unit and wall-mounted controller. This wiring design helps avoid installation errors. An optional wireless remote controller kit is available for the ceiling-mounted indoor units.

Mitsubishi outdoor units are designed with easy service and maintenance in mind. Maintenance points are located behind easy-access panels to make installation and service effortless for a trained technician. Four-way piping access allows connection in four directions: front, rear, right and bottom (all PUY/PUZ models).

Redi-charged Systems

Mitsubishi outdoor units come with enough refrigerant to be installed 70 feet (PUY(Z)12-36) and up to 100 feet (PUY(Z)42) from the indoor units. Linesets can be run up to 100 feet from PUY(Z)12-18 outdoor units and 165 feet from PUY(Z)24-42 outdoor units when additional charge is added.

Thanks to unique design profiles and R410A refrigerant, these systems are easier to fit into any space. R410A is environmentally friendly with zero Ozone Depletion Potential (ODP).

Hot-start System

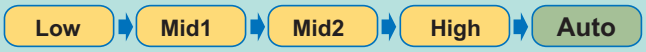
Heat pump systems use our hot-start technology to provide warmth from the beginning by ramping up fan speed as the coil warms. When you want warm air without annoying drafts, that's what you'll get.

Low Ambient Operation (PUY/PUZ)

The ability of these units to operate effectively in low temperatures, along with the addition of a low-ambient wind baffle accessory, allows for a space to be air-conditioned even when it is as low as 0˚ F outside. This cooling ability is important when dealing with electronic equipment rooms, telecom substations, surveillance mechanical rooms, restaurant kitchens, fitness centers and more.

Auto Fan Speed Feature
(excludes PEA model)

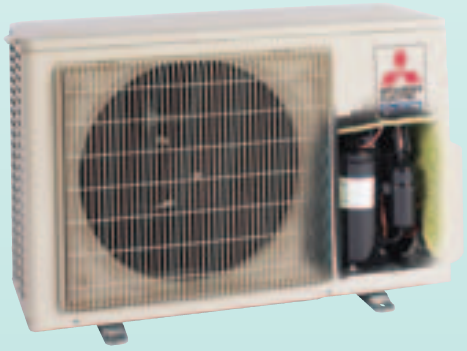
Choose from multiple set fan speeds or auto fan speed to ensure faster achievement of room temperature. Auto fan speed mode allows the fan to adjust its speed based on the degree of differential between set-point and room temperature.



Innovative Compressor Technology

Located in the outdoor unit, INVERTER-driven compressor systems detect subtle changes in temperature and, like a car's cruise control, automatically adjust compressor speed unlike conventional units, which start and stop repetitively.

Special components within the compressor increase the magnetic flux and reduce its weight allowing the compressor to generate higher energy efficiencies with the best in performance than ever at low levels of sound during start-up and running.



INVERTER

Extra Energy Savings

Six (6) Mitsubishi Hyper-Heating INVERTER (H2i®) P-Series systems are ENERGY STAR rated and One (1) system qualifies for the Economic Stimulus Tax Credit offered as part of the American Reinvestment and Recovery Act (qualifying systems detailed on page 31).

energy ENERGY STAR PARTNER

Visit www.mitsubishicomfort.com/taxcredit for more details or ask your contractor.

Visit www.dsireusa.org for any possible local rebate opportunities.

Easy-clean Filters

Convenient tabs let you remove the washable filters quickly and easily for faster cleaning in the PKA, PCA and PLA indoor units. You'll also save time and money because you won't need to replace the filters.

Auto Cooling/Heating Changeover

In Auto Mode our systems monitor and sense when a space needs cooling or heating and automatically switch operation as needed to maintain a consistent temperature within the selected range of a single zone.

Bring In Outside Air

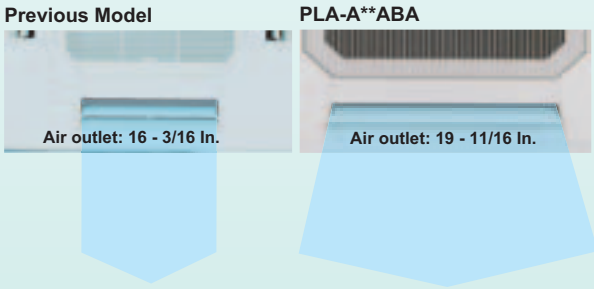
Ducting can be installed with minimal on-site work to bring in outside air for PCA, PLA and PEA/D indoor units, creating a healthier indoor environment.

Mitsubishi System Technologies:
indoor unit specific technologies

PLA ceiling-recessed model

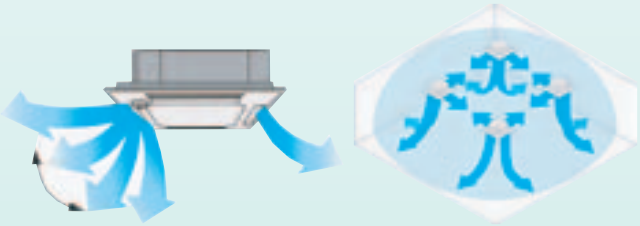
Wider Air Stream

Longer air outlets deliver wider air streams for improved air distribution and energy savings. This feature means quieter air delivery with fewer drafts and great overall cooling and heating coverage.



Independent Vane Motor Control

Each of the four vanes can be set by the wired remote controller to operate independently to match the room layout. Specific vane settings include five fixed directions plus swing.

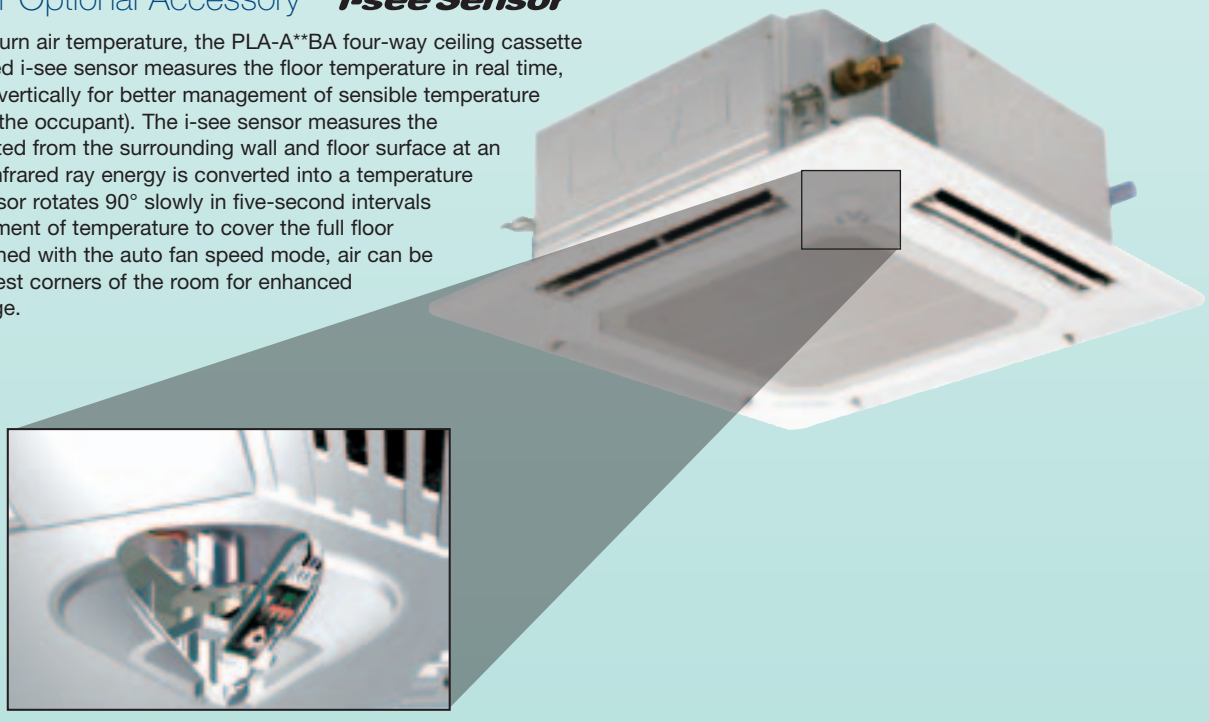


Auto Wave Feature (HEATING mode)

In the HEATING mode each air outlet vane operates independently, distributing warm air in multiple directions for the best in room heating.

i-see™ Sensor Optional Accessory

In addition to the return air temperature, 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

PKA wall-mounted model

Ultimate Comfort Meets Ultimate Convenience

Select from a wall-mounted, hard-wired controller (PKA-HA/KA) for ultimate comfort control.

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 and to repeat daily. And 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 the PKA-HA(L)/KA(L).

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 half of a day. And the PKA-Series models don't even require ductwork, 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

With a simple press of the OFF button, the vane closes the air outlet for a clean presentation when not in use. 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.

PCA ceiling-suspended model

Control Airflow Angle for Better Coverage

With the wired remote controller, four different airflow positions can be set. The Autovane feature when in use during cooling, permits the angle to self-adjust into a horizontal position and circulate cold air more effectively.

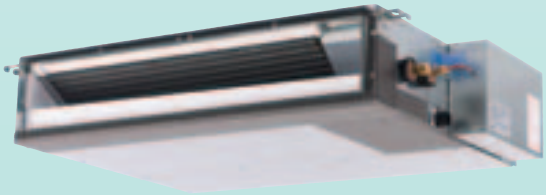
During heating, the vane directs the hot air downward toward the floor, where it will rise and circulate, keeping your room comfortable from top to bottom.

i-see™ Sensor Optional Accessory

i-see Sensor

The field-installed i-see sensor accessory improves the operation in the room by sensing and controlling for the temperature felt by the room's occupants to help prevent over cooling or under heating. 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.

PEA/PEAD horizontal ducted models



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 system expands the number of installation applications for the P-Series line.

Built-in Drain Pump

The PEA indoor unit features a built-in drain pump that lifts condensation up to 21-11/16 inches above the drain pan and upto 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.

Product Line-Up Showcase

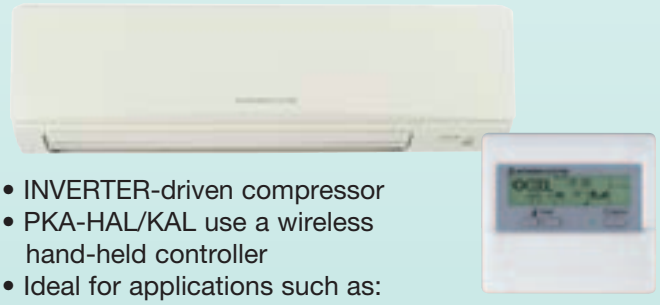
SYSTEM MODELS AND CONTROLLERS

Indoor Unit Models

Mitsubishi Electric indoor units are available in a wide variety of styles and capacity ranges to provide an almost unlimited number of applications. If there is a problem, we have a solution.

PKA (HA/HAL, KA/KAL) WALL-MOUNTED SERIES

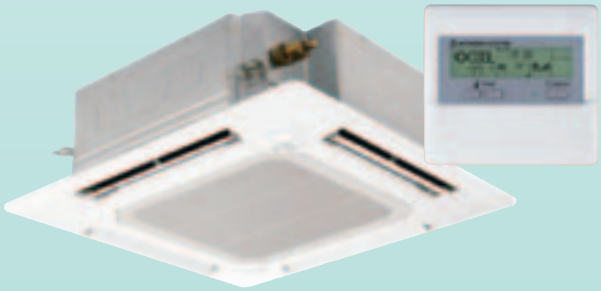
Air-Conditioner and Heat Pumps
12,000 to 34,200 Btu/h



- INVERTER-driven compressor
- PKA-HAL/KAL use a wireless hand-held controller
- Ideal for applications such as:
  - Churches, classrooms, day care rooms, out buildings, guard houses and more

PLA CEILING-RECESSED SERIES

Air-Conditioner and Heat Pumps
12,000 to 42,000 Btu/h



- Built-in condensate lift mechanism
- i-see™ Sensor optional
- Knockout for ventillation air
- Built-in condensate lift mechanism
- Ideal for applications such as:
  - Retail stores, classrooms, office spaces, conference rooms, lobbies and more

PCA CEILING-SUSPENDED SERIES

Air-Conditioner and Heat Pumps
24,000 to 42,000 Btu/h

- INVERTER-driven compressor
- i-see™ Sensor optional
- Knockout for ventillation air
- AUTO fan speed control
- Ideal for applications such as:
  - Restaurants, classrooms, building entrances, retails stores and more

PEA/PEAD HORIZONTAL DUCTED SERIES

Air-Conditioner and Heat Pumps
12,000 to 42,000 Btu/h

- INVERTER-driven compressor
- Automatic fan speed control
- Built-in condensate lift mechanism
- Ideal for applications such as:
  - Retail stores, classrooms, office spaces, conference rooms, lobbies and more

Oudoor Unit Models

Mitsubishi Electric outdoor units, either cooling-only or heat pump models, work with each of the indoor unit styles creating a wide range of installation applications.

These outdoor units employ advanced Pulse Amplitude Modulation (PAM). PAM adjusts the form of the current wave to emulate the form of the supply voltage wave so that **98 percent** of input power is effectively utilized.

PUY/PUZ-NHA3

Cooling-only and Heat Pump

12,000 to
18,000 Btu/h

24,000 to
36,000 Btu/h

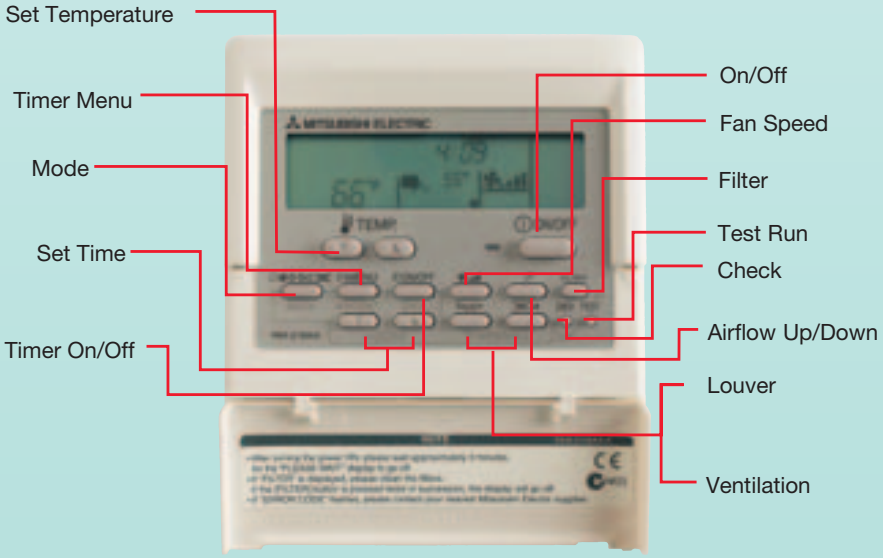
42,000 Btu/h

PUZ-HA**NHA2 (H2i®)

Hyper-Heating INVERTER

30,000 to
36,000 Btu/h
(see page 30-31
for more information)

WIRED REMOTE CONTROLLER



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

P-Series Hyper-Heating INVERTER

BRINGING YEAR-ROUND COMFORT SOLUTIONS TO EXTREME CLIMATES.

Heat Pump System: 34,200 to 36,000 Btu/h Capacity

Unequaled Year-round Comfort

The cooling and heating success of Mitsubishi Electric's INVERTER heat pump systems is well documented. Our Hyper-Heating INVERTER (H2i) P-Series technology advances the process a step further with the added benefit of year-round comfort with a single system even on the coldest days of the year in most areas. The 2.5- and 3-ton wall-mounted, ceiling-suspended, ceiling-cassette and ducted indoor units connected to the H2i P-Series outdoor units are flexible enough to satisfy almost any light commercial or institutional renovation or new construction project.

The Next Generation in Heat Pump Technology

These H2i P-Series outdoor units give a new level of performance to Mitsubishi P-Series models, providing the extra heat-generating power it takes to deliver comfort and consistency in extreme climates. H2i units use Mitsubishi Electric's INVERTER-driven scroll compressor technology to achieve the desired room temperature quickly, maintaining it consistently while simultaneously conserving energy. Plus with the integration of our exclusive H2i flash technology, these H2i P-Series units recover heat energy that is normally wasted in the flash process at the outdoor coil. This process helps the H2i system overcome issues commonly associated with conventional heat pumps such as decreases in low-side pressure, refrigerant mass flow rate and operational capacity. As a result, H2i P-Series units exhibit 100 percent of rated heating capacity at 5˚ F and 80 percent at -13˚ F outdoor ambient temperatures (see Figure 1). Plus they use R410A environmentally friendly refrigerant.

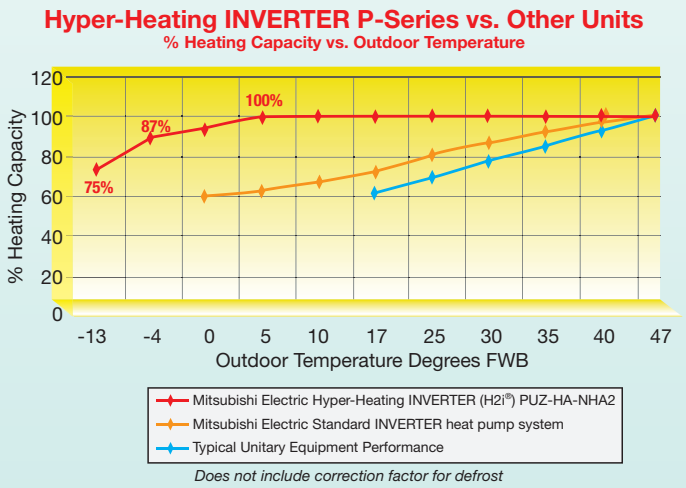
H2i P-Series heat pumps offer a variety of features designed to take the worry out of temperature control such as automatic restart in the case of power outages and automatic cool/heat changeover. And its long line length capabilities of up to 260 ft. expand application possibilities.

Sometimes cooling spaces such as computer or mechanical rooms and kitchens is necessary even when the temperature is below freezing. Air conditioning down to 0˚ F outdoor ambient temperature is possible with the addition of a wind baffle. Whether cooling or heating, the H2i P-Series gives you the flexibility to temper extreme outdoor temperatures.

Warm Air Quickly!

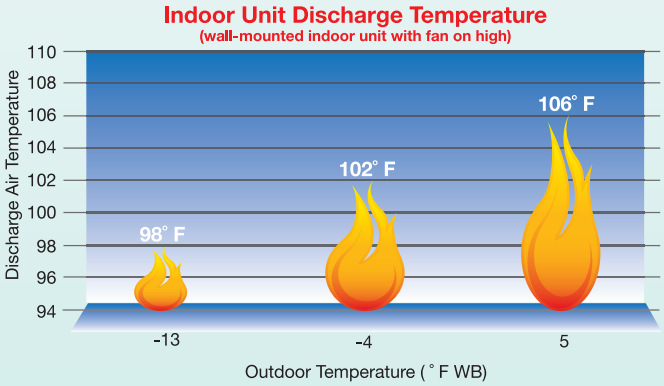
At startup, a special circuit in H2i P-Series quickly delivers refrigerant to the air-conditioning cycle, which rapidly increases the mass flow rate in the system. As a result, air at comfortable temperatures begins flowing from indoor units right away. Even at an outdoor temperature of -13˚ F, the H2i 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 of a home or office, whether cooling or heating, no matter the temperature outside.

(Figure 1)



Does not include correction factor for defrost

(Figure 2)



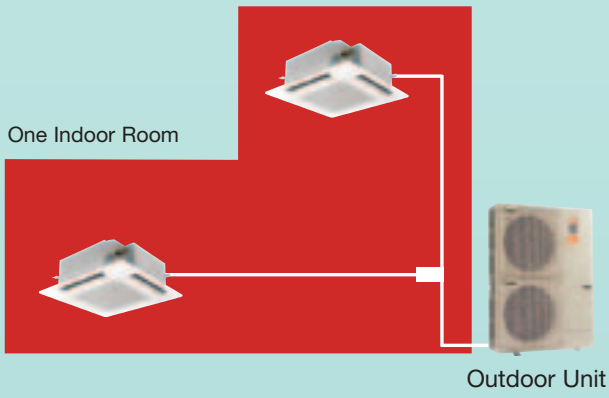
ENERGY STAR and Tax Credit Systems

Six (6) H2i P-Series systems are ENERGY STAR rated and one (1) qualifies for the Federal Tax Credit.

Energy Star	Tax Credit
PKA-A30KA	PLA-A36BA
PKA-A36KA	
PLA-A30BA	
PLA-A36BA	
PCA-A30KA	
PCA-A36KA	

Two in One

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*.



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 below. The Mitsubishi H2i P-Series systems are able to maximize efficiency at low temperatures while providing tremendous heating output.

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

(PKA-A30KA MODEL SHOWN)

PKA COOLING-ONLY

HA/KA = Wired controller
HAL/KAL = Wireless controller
BS = Seacoast Protection

Model Name	Indoor Unit		PKA-A12HA(L)	PKA-A18HA(L)	PKA-A24KA(L)	PKA-A30KA(L)	PKA-A36KA(L)
	Outdoor Unit		PUY-A12NHA3 (-BS)	PUY-A18NHA3 (-BS)	PUY-A24NHA3 (-BS)	PUY-A30NHA3 (-BS)	PUY-A36NHA3 (-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 - Remote Controller		DC12V: Wired Type (HA/KA)				
	Indoor - Remote Controller		Wireless Type (HAL/KAL)				
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 I.D.	In.	5/8				
Outdoor Unit	MCA	A	13		18	25	
	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.	13 + 7/8		13 + 1-3/16		
		H: In.	23-5/8		37-1/8		
	Weight	Lbs.	90	97	163		
Remote Controller	Type		HA/KA: Wired Controller; HAL/KAL: Wireless Controller (Packaged with Indoor Unit)				
Refrigerant	Type		R410A				
	Charge	Lbs.	2, 14	3, 12	6, 10		
	Oil	Type (fl. oz.)	MEL56 (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-A30KA MODEL SHOWN)

PKA HEAT PUMP

INVERTER

R410A

HA/KA = Wired controller
HAL/KAL = Wireless controller
BS = Seacoast Protection

Model Name	Indoor Unit		PKA-A18HA(L)	PKA-A24KA(L)	PKA-A30KA(L)	PKA-A36KA(L)
	Outdoor Unit		PUZ-A18NHA3 (-BS)	PUZ-A24NHA3 (-BS)	PUZ-A30NHA3 (-BS)	PUZ-A36NHA3 (-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 - Remote Controller		DC12V: Wired Type (HA/KA)			
	Indoor - Remote Controller		Wireless Type (HAL/KAL)			
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 I.D.	In.	5/8			
Outdoor Unit	MCA	A	13	18	25	
	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)	46	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.	13 + 7/8	13 + 1-3/16		
		H: In.	23-5/8	37-1/8		
	Weight	Lbs.	99	165		
Remote Controller	Type		HA/KA: Wired Controller; HAL/KAL: Wireless Controller (Packaged with Indoor Unit)			
Refrigerant	Type		R410A			
	Charge	Lbs.	3, 12	6, 10		
	Oil	Type (fl. oz.)	MEL56 (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 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° C).
*3 Rating conditions (heating)-Indoor: D.B. 70° F (21° C), W.B. 60° F (16° C); Outdoor: D.B. 17° F (-8.3° C), W.B. 15° F (-9° C).
*4 Indoor units receive power from outdoor units through field-supplied interconnected wiring.
Specifications are subject to change without notice.

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

(PLA-A36BA MODEL SHOWN
WITH OPTIONAL i-SEE™ SENSOR)

PLA COOLING-ONLY

INVERTER

BS = Seacoast Protection

Model Name	Indoor Unit		PLA-A12BA	PLA-A18BA	PLA-A24BA	PLA-A30BA	PLA-A36BA	PLA-A42BA
	Outdoor Unit		PUY-A12NHA3 (-BS)	PUY-A18NHA3 (-BS)	PUY-A24NHA3 (-BS)	PUY-A30NHA3 (-BS)	PUY-A36NHA3 (-BS)	PUY-A42NHA3 (-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 - Remote Controller		DC12V: Wired Type					
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
	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.	13 + 7/8		13 + 1-3/16			
		H: In.	23-5/8		37-1/8			53-1/8
	Weight	Lbs.	90	97	163			258
Remote Controller	Type		Wired Remote Controller Packaged with Grille					
Refrigerant	Type		R410A					
	Charge	Lbs.	2, 4	3, 12	6, 10			10
	Oil	Type (fl. oz.)	MEL56 (20)		FV50S (28)			FV50S (45)
Refrigerant Pipe	Gas Side O.D.	In.	1/2		5/8			
	Liquid Side O.D.		1/4		3/8			
Refrigerant Pipe Length	Height Difference (Max.)	Ft.	100					
	Length (Max.)		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.

(PLA-A36BA MODEL SHOWN
WITH OPTIONAL I-SEE™ SENSOR)

PLA HEAT PUMP

INVERTER

R410A

BS = Seacoast Protection

Model Name	Indoor Unit		PLA-A18BA	PLA-A24BA	PLA-A30BA	PLA-A36BA	PLA-A42BA
	Outdoor Unit		PUZ-A18NHA3 (-BS)	PUZ-A24NHA3 (-BS)	PUZ-A30NHA3 (-BS)	PUZ-A36NHA3 (-BS)	PUZ-A42NHA3 (-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 - Remote Controller		DC12V: Wired Type				
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
	MOCP	A	15	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)	46	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.	13 + 7/8	13 + 1-3/16			
		H: In.	23-5/8	37-1/8			53-1/8
	Weight	Lbs.	99	165			260
Remote Controller	Type		Wired Remote Controller Packaged with Grille				
Refrigerant	Type		R410A				
	Charge	Lbs.	3, 12	6, 10			10
	Oil	Type (fl. oz.)	MEL56 (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. 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).

*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-A36KA MODEL SHOWN)

PCA COOLING-ONLY

INVERTER

BS = Seacoast Protection

Model Name	Indoor Unit		PCA-A24KA	PCA-A30KA	PCA-A36KA	PCA-A42KA
	Outdoor Unit		PUY-A24NHA3 (-BS)	PUY-A30NHA3 (-BS)	PUY-A36NHA3 (-BS)	PUY-A42NHA3 (-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 - Remote Controller		DC12V: Wired Type			
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
	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
Remote Controller	Type		Wired Remote Controller (Packaged with Indoor Unit)			
Refrigerant	Type		R410A			
	Charge	Lbs.	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. 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.

(PCA-A36KA MODEL SHOWN)

PCA HEAT PUMP

INVERTER

BS = Seacoast Protection

Model Name	Indoor Unit		PCA-A24KA	PCA-A30KA	PCA-A36KA	PCA-A42KA
	Outdoor Unit		PUZ-A24NHA3 (-BS)	PUZ-A30NHA3 (-BS)	PUZ-A36NHA3 (-BS)	PUZ-A42NHA3 (-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 - Remote Controller		DC12V: Wired Type			
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
	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
Remote Controller	Type		Wired Remote Controller (Packaged with Indoor Unit)			
Refrigerant	Type		R410A			
	Charge	Lbs.	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. 80° F (27° C), W.B. 67° F (19° C); Outdoor: D.B. 95° F (35° C), W.B. 75° F (24° C).

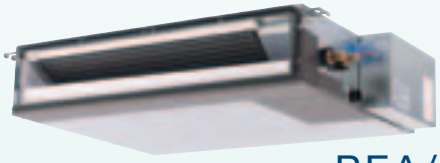
*2 Rating conditions (heating)-Indoor: D.B. 70° F (21° C), W.B. 60° F (16° C); Outdoor: D.B. 47° F (8° C), W.B. 43° F (6° C).

*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).

*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-A18AA MODEL SHOWN)

PEA/PEAD COOLING-ONLY

BS = Seacoast Protection

Model Name	Indoor Unit		PEA-A12AA	PEA-A18AA	PEAD-A24AA	PEAD-A30AA	PEAD-A36AA	PEAD-A42AA
	Outdoor Unit		PUY-A12NHA3 (-BS)	PUY-A18NHA3 (-BS)	PUY-A24NHA3 (-BS)	PUY-A30NHA3 (-BS)	PUY-A36NHA3 (-BS)	PUY-A42NHA3 (-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	3.3	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 - Remote Controller		DC12: For Wired Controller					
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	60	73		91	95
	Drain Lift Mechanism (Included)	H: In.	21-11/16		27-9/16			
	Field Drainpipe Size I.D.	In.	1-1/4					
Outdoor Unit	MCA	A	13		18	25		26
	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.	13 + 7/8		13 + 1-3/16			
		H: In.	23-5/8		37-1/8			53-1/8
	Weight	Lbs.	90	97	165			260
Remote Controller	Type		Wired Remote Controller (Located with Indoor Unit)					
Refrigerant	Type		R410A					
	Charge	Lbs., Oz.	2, 14	3, 12	6, 10			10
	Oil	Type (fl. oz.)	MEL56 (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. 80° F (27° C), W.B. 67° F (19° C); Outdoor: D.B. 95° F (35° C), W.B. 75° F (24° C).

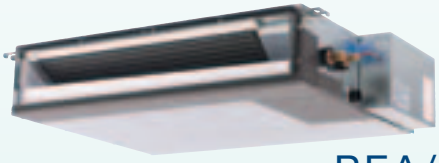
*2 Rating conditions (heating)-Indoor: D.B. 70° F (21° C), W.B. 60° F (16° C); Outdoor: D.B. 47° F (8° C), W.B. 43° F (6.1° C).

*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).

*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-A18AA MODEL SHOWN)

PEA/PEAD HEAT PUMP

BS = Seacoast Protection

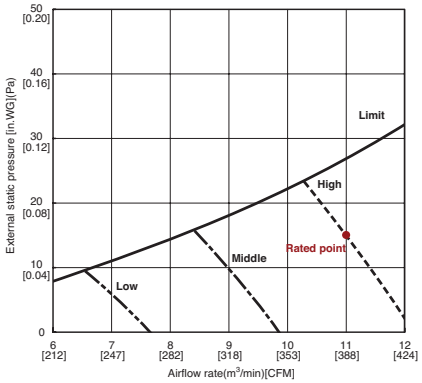
Model Name	Indoor Unit / Outdoor Unit		PEA-A18AA / PUZ-A18NHA3 (-BS)	PEAD-A24AA / PUZ-A24NHA3 (-BS)	PEAD-A30AA / PUZ-A30NHA3 (-BS)	PEAD-A36AA / PUZ-A36NHA3 (-BS)	PEAD-A42AA / PUZ-A42NHA3 (-BS)
Cooling *1	Rated Capacity	Btu/h	18,000	24,000	30,000	35,000	42,000
	Capacity Range	Btu/h	8,000-18,000	12,000-24,000	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	3.3	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	12,000-26,000	12,000-34,000	12,000-38,000	18,000-48,000
	Total Input	W	1,540	2,130	2,750	2,810	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 - Remote Controller		DC12: For Wired Controller				
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.	60	73		91	95
	Drain Lift Mechanism (Included)	H: In.	21-11/16	27-9/16			
	Field Drainpipe Size I.D.	In.	1-1/4				
Outdoor Unit	MCA	A	13	18	25		26
	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)	46	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.	13 + 7/8	13 + 1-3/16			
		H: In.	23-5/8	37-1/8			53-1/8
	Weight	Lbs.	99	165			260
Remote Controller	Type		Wired Remote Controller (Packaged with Indoor Unit)				
Refrigerant	Type		R410A				
	Charge	Lbs., Oz.	3, 12	6, 10			10
	Oil	Type (fl. oz.)	MEL56 (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. 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).
*4 Indoor units receive power from outdoor units through field-supplied interconnected wiring.
Specifications are subject to change without notice.

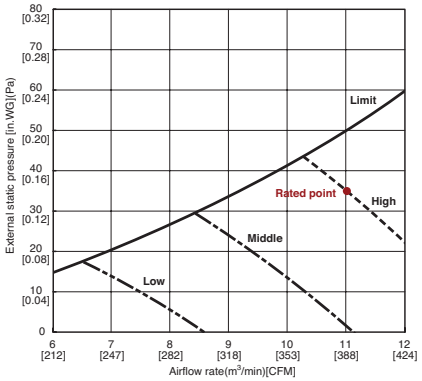
LIMITED WARRANTY | Seven-year warranty on compressor. Five-year warranty on parts.

PEA/PEAD STATIC PERFORMANCE CURVES

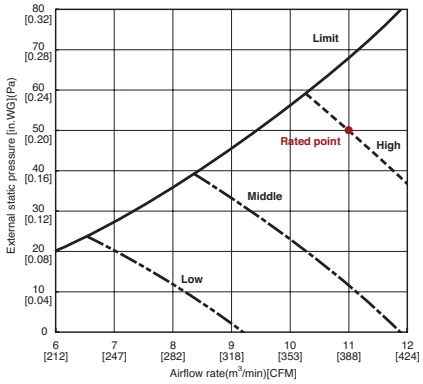
PEA-A12AA
(External static pressure 0.06 [in.WG] (15Pa) 208/230V 60Hz



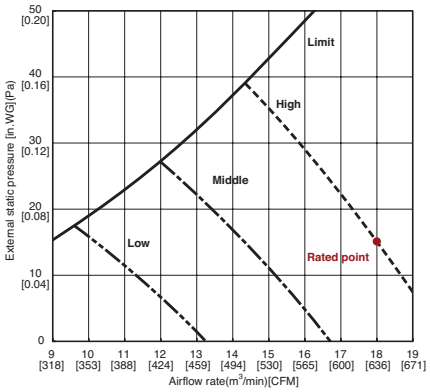
PEA-A12AA
(External static pressure 0.14 [in.WG] (35Pa) 208/230V 60Hz



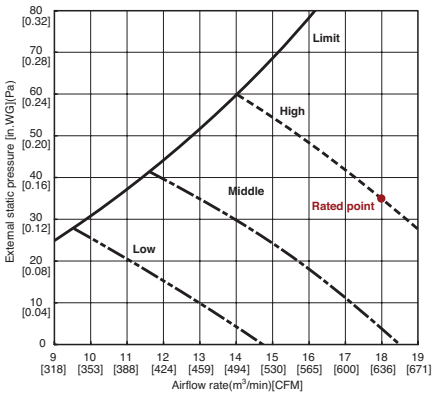
PEA-A12AA
(External static pressure 0.20 [in.WG] (50Pa) 208/230V 60Hz



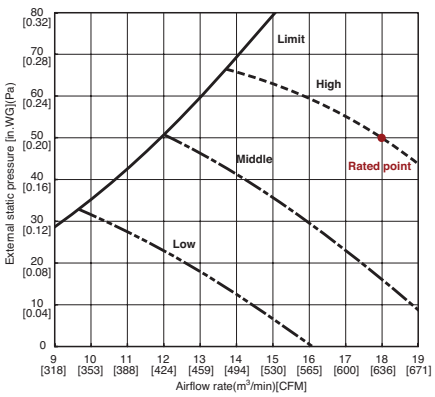
PEA-A18AA
(External static pressure 0.06 [in.WG] (15Pa) 208/230V 60Hz



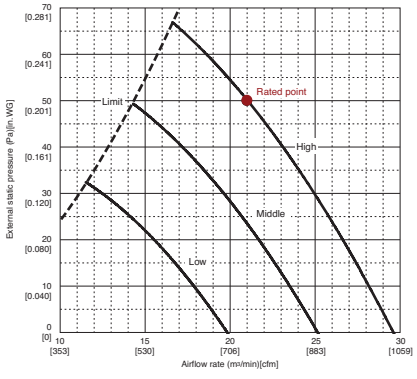
PEA-A18AA
(External static pressure 0.14 [in.WG] (35Pa) 208/230V 60Hz



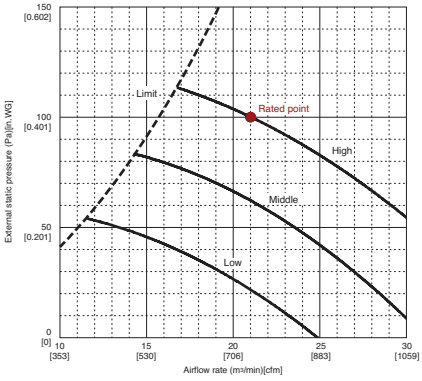
PEA-A18AA
(External static pressure 0.20 [in.WG] (50Pa) 208/230V 60Hz



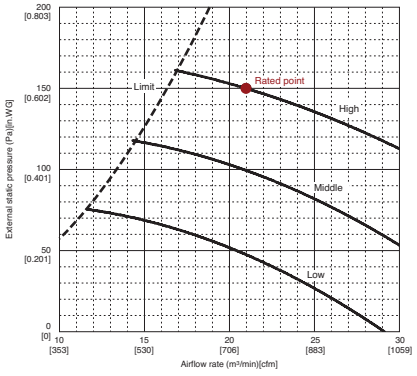
PEAD-A24AA
(External static pressure 0.20 [in W.G.] (50Pa) 208-230V 60Hz



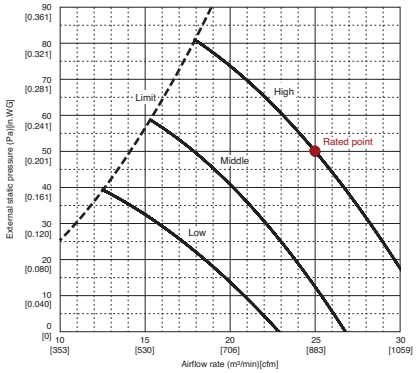
PEAD-A24AA
(External static pressure 0.40 [in W.G.] (100Pa) 208-230V 60Hz



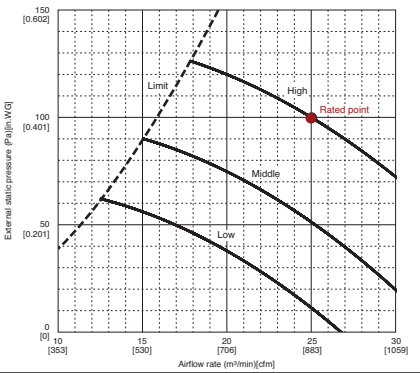
PEAD-A24AA
(External static pressure 0.60 [in W.G.] (150Pa) 208-230V 60Hz



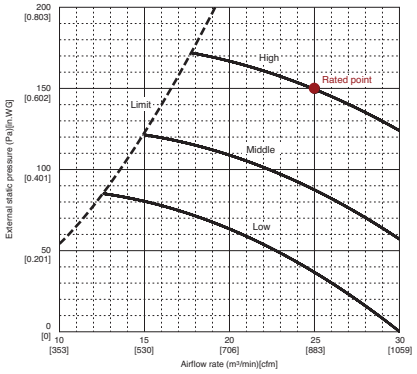
PEAD-A30AA
(External static pressure 0.20 [in W.G.] (50Pa) 208-230V 60Hz



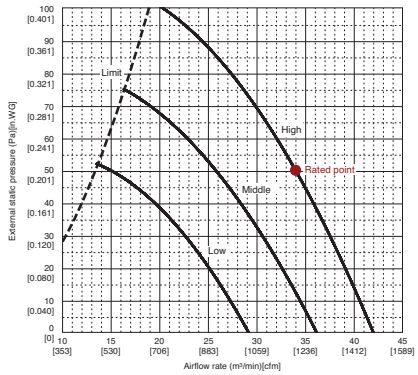
PEAD-A30AA
(External static pressure 0.40 [in W.G.] (100Pa) 208-230V 60Hz



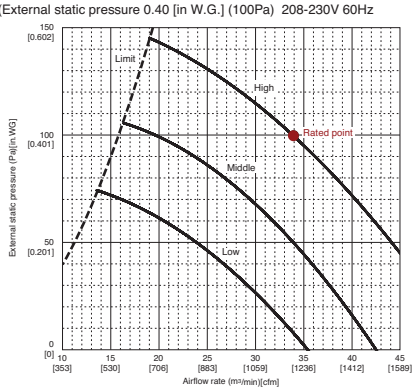
PEAD-A30AA
(External static pressure 0.60 [in W.G.] (150Pa) 208-230V 60Hz



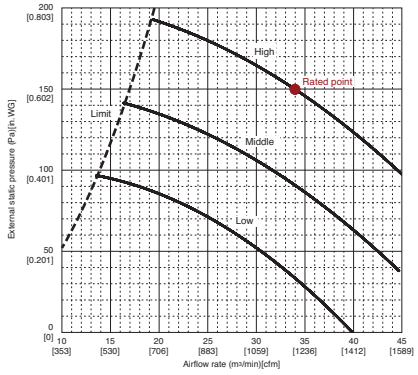
PEAD-A36AA
(External static pressure 0.20 [in W.G.] (50Pa) 208-230V 60Hz



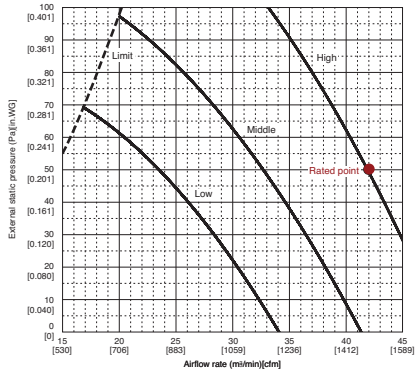
PEAD-A36AA
(External static pressure 0.40 [in W.G.] (100Pa) 208-230V 60Hz



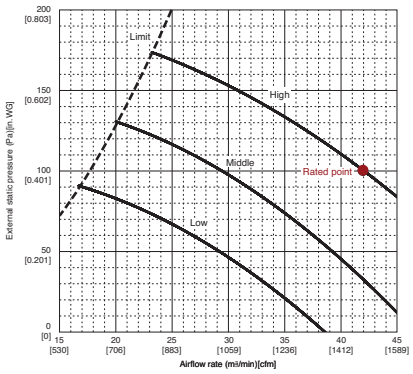
PEAD-A36AA
(External static pressure 0.60 [in W.G.] (150Pa) 208-230V 60Hz



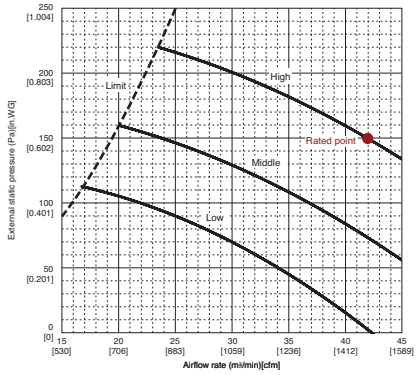
PEAD-A42AA
(External static pressure 0.20 [in W.G.] (50Pa) 208-230V 60Hz



PEAD-A42AA
(External static pressure 0.40 [in W.G.] (100Pa) 208-230V 60Hz



PEAD-A42AA
(External static pressure 0.60 [in W.G.] (150Pa) 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 will be necessary for satisfactory operation.

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.. With this in mind, the ductwork design must be taken into consideration to ensure proper airflow to the space is achieved. The emphasis should still be on moving refrigerant and not air; not only will this 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, the longest duct run from the unit is the maximum static pressure the unit will see.
- Flexible ductwork, 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 ductwork can increase the static pressure loss up to eight times. Flexible ductwork 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, this 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.:

Air Flow (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 ductwork. The chart below shows approximate static pressure loss per 100 ft. for various round duct sizes and flow rates. If flexible ductwork 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

KA = Wired Controller; KAL = Wireless Controller

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

ENERGY STAR | TAX CREDIT

Model Name	Indoor Unit		PKA-A30KA(L)	PKA-A36KA(L)	PLA-A30BA	PLA-A36BA	PCA-A30KA	PCA-A36KA
	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 - Remote Controller		DC12V: For Wired Controller (KA)		DC12V: For Wired Controller			
	Indoor - Remote Controller		Wireless Type (KAL)		N/A			
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					
	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		KA = Wired, KAL = Wireless (Located with Indoor Unit)		Wired Remote Controller (Packaged with Grille)		Wired Remote Controller (Located with Indoor Unit)	
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.	260					
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.

H2i® P-SERIES HEAT PUMP

Horizontal ducted models

KA = Wired Controller; KAL = Wireless Controller

Model Name	Indoor Unit / Outdoor Unit		PEAD-A30AA / PUZ-HA30NHA2	PEAD-A36AA / 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	
	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.	260	
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.

M-SERIES RATING CONDITIONS

		INDOOR INTAKE AIR TEMPERATURE	OUTDOOR INTAKE AIR TEMPERATURE
COOLING	MAXIMUM	95° F D.B., 71° F W.B (MU, MXZ-A/-B) 90° F D.B., 73° F W.B. (MUZ/Y-A/-GA/-GE/-D/-FE)	115° F D.B. (All M-Series Units)
	MINIMUM	67° F D.B., 57° F W.B. (All M-Series Units)	14° F D.B. (MUZ/Y-A/-GA/-GE/-D/-FE; MXZ-A/-B) 67° F D.B. (MU*)
HEATING	MAXIMUM	80° F D.B., 67° F W.B. (All M-Series Inverter Heat Pump Units)	75° F D.B., 67° F W.B. (All M-Series Inverter Heat Pumps)
	MINIMUM	70° F D.B., 60° F W.B. (All M-Series Inverter Heat Pump Units)	-13° F D.B., -15° F W.B. (MUZ-FE) -4° F D.B., -5° F W.B. (MUZ-GE) 14° F D.B., 12° F W.B. (MXZ-A/-B) 14° F D.B., 13° F W.B. (MUZ-A/-GA/-D)

* MU units operate at intake air temperature down to 10º F with the addition of an ICM-326HM-1 low temperature control.

H2I P-SERIES (PUZ-HA) RATING 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-A) RATING 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.	70º F D.B., 59º F W.B. (PUZ-A)
	MINIMUM	70º F D.B., 60º F W.B.	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
MLS143812T-15	1/4 x 3/8	15	1/2"	MS-A09WA; MSZ-A09,12NA; MSY/Z-GE09,12NA; MSZ-FD/FE09,12NA
MLS143812T-30	1/4 x 3/8	30	1/2"	
MLS143812T-50	1/4 x 3/8	50	1/2"	
MLS143812T-65	1/4 x 3/8	65	1/2"	
MLS141212T-15	1/4 x 1/2	15	1/2"	MS-A12WA; MSY/Z-A15,17NA; MSY/Z-GE15,18NA; PKA-A12,18HA(L); PLA-A12,18BA
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"	
MLS145812T-15	1/4 x 5/8	15	1/2"	MSY/Z-A24NA, MSY/Z-GA24NA
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"	MSY/Z-D30,36NA; PKA-A24,30,36KA(L); PLA-A24,30,36,42BA; PCA-A24,30,36,42KA
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
MS-A09WA	MU-A09WA	65	35
MS-A12WA	MU-A12WA	65	35
MSY-A15NA	MUY-A15NA	65	40
MSY-A17NA	MUY-A17NA	65	40
MSZ-A09NA	MUZ-A09NA	65	40
MSZ-A12NA	MUZ-A12NA	65	40
MSZ-A15NA	MUZ-A15NA	65	40
MSZ-A17NA	MUZ-A17NA	65	40
MSY-GA24NA	MUY-A24NA	100	50
MSZ-GA24NA	MUZ-A24NA	100	50
MSY-D30NA	MUY-D30NA	100	50
MSZ-D30NA	MUZ-D30NA	100	50
MSY-D36NA	MUY-D36NA	100	50
MSZ-D36NA	MUZ-D36NA	100	50
MSY-GE09NA	MUY-GE09NA	65	40
MSY-GE12NA	MUY-GE12NA	65	40
MSY-GE15NA	MUY-GE15NA	65	40
MSY-GE18NA	MUY-GE18NA	100	50
MSZ-GE09NA	MUZ-GE09NA	65	40
MSZ-GE12NA	MUZ-GE12NA	65	40
MSZ-GE15NA	MUZ-GE15NA	65	40
MSZ-GE18NA	MUZ-GE18NA	100	50
MSZ-FE09NA	MUZ-FE09NA	65	40
MSZ-FE12NA	MUZ-FE12NA	65	40
MSZ-A09,12,15NA; SEZ-KD09,12,15NA	MXZ-2A20NA	164	49*/33
MSZ-GE09,12NA, MSZ-FE09,12NA; SEZ-KD09,12NA	MXZ-2B20NA	164	49*/33
MSZ-A09,12,15,17,24NA; SEZ-KD09,12,15,18NA	MXZ-3A30NA	230	49*/33
MSZ-A09,12,15,17,24NA; SEZ-KD09,12,15,18NA	MXZ-4A36NA	230	49*/33
PKA-A12HA(L)	PUY-A12NHA	100	100
PKA-A18HA(L)	PUY/Z-A18NHA3	100	100
PKA-A24KA(L)	PUY/Z-A24NHA3	165	100
PKA-A30KA(L)	PUY/Z-A30NHA3	165	100
PKA-A30KA(L) (H2i)	PUZ-HA30NHA2	245	100
PKA-A36KA(L)	PUY/Z-A36NHA3	165	100
PKA-A36KA(L) (H2i)	PUZ-HA36NHA2	245	100
PLA-A12BA	PUY-A12NHA	100	100
PLA-A18BA	PUY/Z-A18NHA3	100	100
PLA-A24BA	PUY/Z-A24NHA3	165	100
PLA-A30BA	PUY/Z-A30NHA3	165	100
PLA-A30BA (H2i)	PUZ-HA36NHA2	245	100
PLA-A36BA	PUY/Z-A36NHA3	165	100
PLA-A36BA (H2i)	PUZ-HA36NHA2	245	100
PLA-A42BA	PUY/Z-A42NHA3	165	100
PCA-A24KA	PUY/Z-A24NHA3	165	100
PCA-A30KA	PUY/Z-A30NHA3	165	100
PCA-A30KA (H2i)	PUZ-HA36NHA2	245	100
PCA-A36KA	PUY/Z-A36NHA3	165	100
PCA-A36KA (H2i)	PUZ-HA36NHA2	245	100
PCA-A42KA	PUY/Z-A42NHA3	165	100
PEA-A12AA	PUY-A12NHA3	100	100
PEA-A18AA	PUY/Z-A18NHA3	100	100
PEAD-A24AA	PUY/Z-A24NHA3	165	100
PEAD-A30AA	PUY/Z-A30NHA3	165	100
PEAD-A30AA (H2i)	PUZ-HA30NHA2	245	100
PEAD-A36AA	PUY/Z-A36NHA3	165	100
PEAD-A36AA (H2i)	PUZ-HA36NHA2	245	100
PEAD-A42AA	PUY/Z-A42NHA3	165	100

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

OPTIONAL ACCESSORIES

PART NUMBER	USE WITH	DESCRIPTION
Controls Options		
MAC-397IF-E	M-Series INVERTER Units	MA and contact terminal interface
MAC-399IF-E	M-Series INVERTER Units	M-NET control adapter for Mr. Slim MSY and MSZ models
PAC-725AD	P-Series	Connector for CN51/multiple remote controller adapter and duct fan controller
PAC-715AD	P-Series	Connector for CN32 (For remote ON/OFF)
PAC-SE41TS-E	P-Series	Remote temperature sensor for indoor units
PAC-SA1ME-E	PLA-ABA	i-see™ sensor corner panel for PLA-ABA indoor units
PAC-SH91MK-E	i-see sensor for PCA / PCFY	i-see Sensor
PAR-SA92MW-E	wireless remote controller kit with i-see sensor for PCA / PCFY	Wireless remote controller
PAR-SL93B-E	Wireless remote controller kit for PCA / PCFY	Wireless remote controller
PAC-SF40RM-E	P-Series	Remote operation adapter: display and ON/OFF
PAC-SF81MA-E	P-Series	M-NET control adapter for Mr. Slim PUY-A, PUZ-A, PUZ-HA
PAC-SK52ST	P-Series	Control / service tool
PAR-21MAA-G	Use for wired M-Series Controller	Deluxe MA remote controller (Requires MAC-397IF-E for ductless indoor units)
PAR-SL99U-E	PCA	Wireless remote controller kit for PCA suspended units
PAR-FA32MA-E	PLA-ABA	Wireless remote controller for PLA-ABA units (Requires signal receiver PAR-SA9FA-E)
PAR-SA9FA-E	PLA-ABA	Wireless signal receiver for PLA-ABA units (For PAR-FA32MA-E controller)
PZ-41SLB-E	Lossnay®	Lossnay ERV remote controller for LGH ERV control
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-HA36NA (Requires 2 pieces)
ICM-326HM-1	M-Series Non-INVERTER units	Low ambient head pressure controller (field supplied and installed crankcase heater and outdoor box required)
Filters		
MAC-2300FT	M-Series Indoor Unit - A24	Anti-allergy enzyme filter
MAC-415FT	M-Series Indoor Unit - A09/A12/A15/A17	Anti-allergy enzyme filter
MAC-418FT	MSZ-FD09/12	Anti-allergy enzyme filter
MAC-308FT	MSZ-FD09/12	Platinum deodorizing filter
MAC-1415FT-E	M-Series Indoor Unit - D30/36	Anti-allergy enzyme filter
PAC-SE81KF-E	PCA	High-efficiency (MERV 8) filter element
PAC-SH59KF-E	PLA-ABA	High-efficiency (MERV 10) filter element (Requires PAC-SH53TM-E multi-function casement)
PAC-SH89KF	PCA-A24/30KA	High-efficiency filter element
PAC-SH90KF	PCA-A36/42KA	High-efficiency filter element
Pumps		
SI1730-230	P-Series - A24 and larger	Mini-condensation pump: 230V
SI3100-115	MS-Series	Mini-condensation pump: 115V
SI3100-230	MSY/Z-Series - P-Series - A18 and smaller	Mini-condensation pump: 230V
PAC-SH84DM-E	PCA-A**KA	Mini condensation pump: 230V
Miscellaneous		
TAZ-MS303	M-Series and P-Series	Three-pole disconnect switch; 30A, 600V; turns off power between indoor and outdoor units
CWMB1	MU and PU outdoor units	Condensing unit wall mounting brackets: painted steel
PAC-SH53TM-E	PLA-ABA	Multi-function casement (High-efficiency filter element not included)
PAC-SH51SP-E	PLA-ABA	Air outlet shutter plates (1 set = 2 pieces)
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	P-Series	Drain socket
MAC-851DS	MUZ-FD09/12	Drain socket
MAC-811DS	MUY(Z)-D30/36	Drain socket assembly
PAC-SG63DP-E	PUY(Z)-A12/18	Drain pan
PAC-SG64DP-E	PUY(Z)-A24/30/36/42 and PUZ-HA36	Drain pan
MAC-640BH-U	MUZ-GE09/12/15, MUZ-FE09/12 outdoor unit	Drain pan heater
MAC-641BH-U	MUZ-GE18 putdoor unit	Drain pan heater
RCMKP1CB	M and P Series Wireless	Lockdown bracket for wireless remote controller
DSD-400N	M-Series and P-Series	Outdoor unit mounting base (Platform Stand)
ULTRILITE1	All M-Series and PUZ(Y)-A12/18	Condensing unit mounting pad: 16" x 36" x 3"
ULTRILITE2	PUY(Z)-A24/30/36/42; PUZ-HA36	Condensing unit mounting pad: 24" x 42" x 3"
Port Adapters		
MAC-A454JP-E	MXZ-Series	Adapter: 3/8" x 1/2"
MAC-A455JP-E	MXZ-Series	Adapter: 1/2" x 3/8"
MAC-A456JP-E	MXZ-Series	Adapter: 1/2" x 5/8"
PAC-493PI	MXZ-Series	Adapter: 1/4" x 5/8"
PAC-SG76RJ-E	MXZ-Series	Adapter: 3/8" x 5/8"
PAC-493PI	MXZ Series	Adaptor: 1/4" X 3/8"
MSDD-50SR-E	P-Series	Distribution pipe - Twinning applications - P-Series
PAC-SC84PI-E	PKA-Series (A24/30/36/42)	L-connector pipe (for left-side piping)

LINE-HIDE™

Lineset Cover System

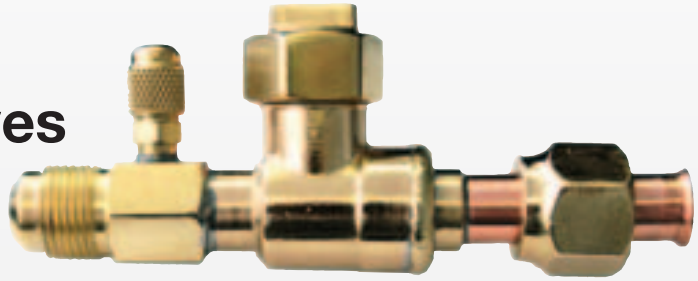
Put a professional finish on air conditioning installations with an easy-to-install modular system that beautifies exteriors and protects linesets, drainlines, and wiring.

- Available in four sizes: 2-1/4″, 3″, 4″, and 6″ tubes.
- Snap-on covers and a full selection of couplings, elbows, T-joints, caps, and more for any application, complex or simple.
- High-quality PVC with UV inhibitors for outdoor service in all weather conditions.
- Can be painted with most house paints to match exterior decors.
- Not just for HVAC. Hide any exterior cabling, piping, or wiring.
- Use it indoors, too! Meets UL94v-0 for interior applications.

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

DIAMONDBACK™

BV-Series Ball Valves



Model numbers:

BV14FFSI
BV38FFSI
BV12FFSI
BV58FFSI

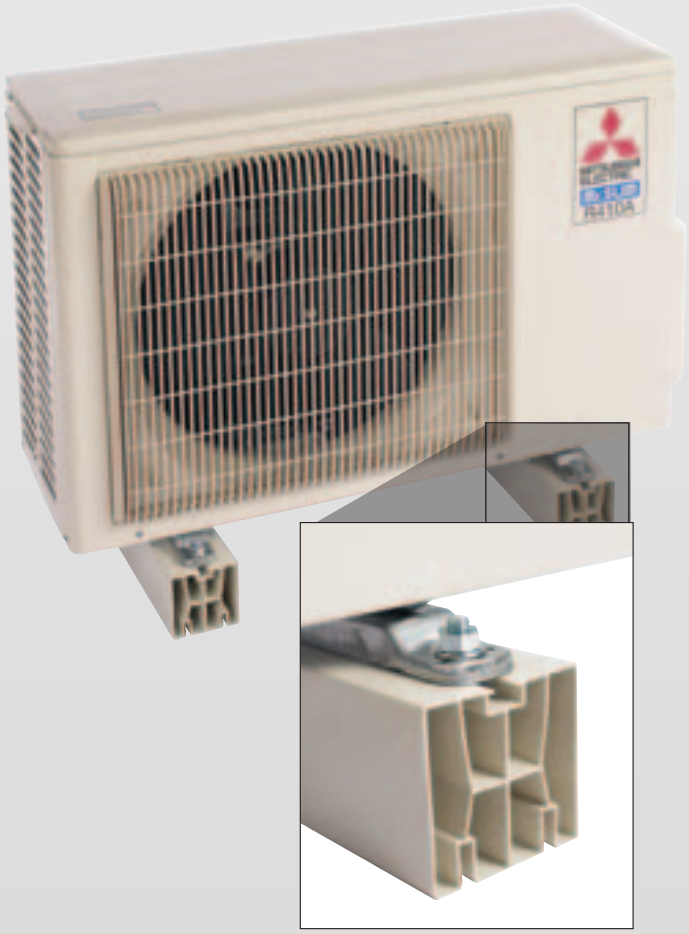
c UL us
LISTED 891N
REFRIGERANT
VALVE

- 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
- Design working pressure: 700 PSIG
- Temperature range: -40˚ F to +325˚ F (-40˚ C to +149˚ C)
- Forged brass body and seal cap
- Teflon® seals and gaskets (no synthetic O-rings)
- Seal cap design permits valve operation without removal of seal cap
- Suitable for use 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™

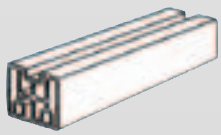
Platform Stands

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

- Easy to install
- Available for all sizes of Mr. Slim outdoor units
- Color matched to the outdoor units

Model Number: DSD-400N

L: 15-3/4″ x W: 3-1/4″ x H: 3-1/4″



Mitsubishi Electric Shizuoka Works acquired ISO 9001 certification under Series 9000 of the International Standard Organization (ISO), based on a review of quality warranties for the production of air-conditioning equipment. The plant also acquired environmental management system standard ISO 14001 certification.

Please Recycle

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