MITSUBISHI ELECTRIC
Cooling and Heating Solutions

INVERTER-driven

Split-ductless and ducted Comfort Systems

M–Series Full–Line Catalog

Mitsubishi Electric Cooling and Heating Solutions

Mitsubishi Electric HVAC products, available in the U.S. for thirty years, have provided exceptional, personalized comfort control while being very energy efficient.

Mitsubishi Electric's INVERTER-driven compressor systems use refrigerant lines to connect an outdoor unit to one or more indoor air handlers. A home's or building's energy efficiency increases when only the amount of cooling or heating needed for the space where the unit is installed. Advanced technologies are used to control the precise temperature in each room and have the capability to condition only the rooms in use.

Using a wireless remote or wall-mounted controller for each space, Mitsubishi Electric systems allow a truly personal level of comfort. Environmentally friendly refrigerant (R410A), advanced filtration systems, and high efficiency ratings are standard on all Mitsubishi Electric HVAC systems.

This synergy of smart design and cutting-edge environmental technology delivers an end result of true eco-comfort for any conditioned space.

MITSUBISHI ELECTRIC
30
YEARS

MITSUBISHI ELECTRIC
Mr.SLIM

How environmentally friendly are Mitsubishi Electric HVAC systems?

Mitsubishi Electric is dedicated to providing environmentally responsible systems that minimize t the environment and our customer's carbon footprint.

ENERGY STAR PARTNER

Mitsubishi Elelectric's environmental commitment is evidenced by the fact that up to 83% of our system components are recyclable. More of our systems are ENERGY STAR® certified and qualify for the federal tax credit of up to $300. Local and state government and utility companies may provide tax credits and rebate opportunities for energy-efficient systems. See what's available in your area by visiting www.dsireusa.org.

How many ENERGY STAR rated systems qualify for the federal tax credit?

18 **systems are ENERGY STAR rated.**

12 **systems qualify for the federal tax credit.**

Qualified systems include the following products: cooling-only, heat pump, H2i® Hyper-Heating INVERTER heat-pump, 2-to-1, and 3-to-1 multi-zone heat pump systems.

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

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Mitsubishi Electric System Technologies: user-friendly zoned residential personalized comfort solutions

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 out of sight
- Low on the wall to be unobtrusive

Our systems are the perfect way to cool or heat any single room or multiple rooms in homes or office.

Heat-pump systems feature auto mode, which automatically switches between cooling and heating in response to changing needs. Our systems are nearly silent; their fans deliver air quietly and continuously with only a gentle "whoosh" for constant circulation and filtration. For this reason, Mitsubishi Electric split-zoning systems have long been the choice for thousands of homes, churches, schools, and libraries across the U.S. and the world.

Technology Benefits of Mitsubishi Systems

Features	Benefits
INVERTER-DRIVEN COMPRESSORS	Maximizes energy savings by making sure only the energy needed to cool or heat an area perfectly is used.
EASY INSTALLATION	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	Offers comfort control of temperature, fan speed, and air direction in the specific zone with dedicated controller.
WASHABLE, LONG-LIFE ANTI-ALLERGEN FILTERS	Improves air quality and saves money by washing rather than replacing the filter.
AUTO COOL/HEAT CHANGEOVER	Switches automatically from cooling to heating (MUZ/SUZ systems) if desired.
ENVIRONMENTALLY FRIENDLY REFRIGERANT	Uses R410A, an environmentally friendly refrigerant.

Energy Efficiency Recognized

Mitsubishi Electric split-zoning, cooling-only and heat pump systems are so energy efficient that currently **18 systems** of our INVERTER-driven systems are ENERGY STAR® rated. This can mean big savings.

Add in the federal tax credit and local government and utility rebates, and you have an opportunity to enjoy comfort at substantial savings.

ENERGY STAR PARTNER

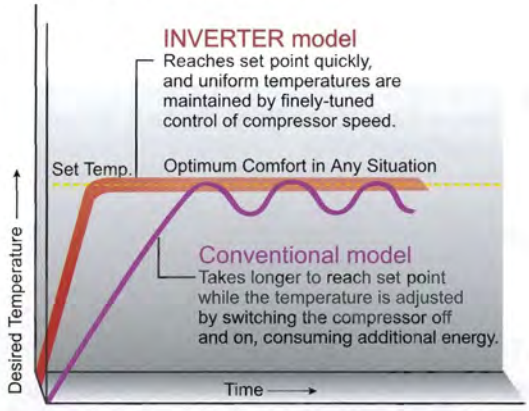
Get the free app for your smart phone at http://gettag.mobi

For details on qualifying systems, go to www.mitsubishicomfort.com/taxcredit, or use your smart phone to scan the tag to the left and go to the page.

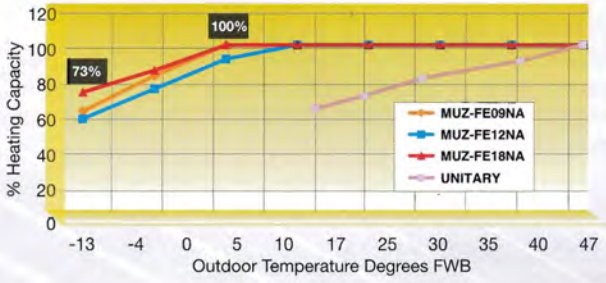
Visit www.dsireusa.org for information on available local rebate opportunities from state or utility companies.

Innovative Variable-speed Compressor Technology

Sophisticated electronic control systems detect any changes in room or zone temperature and—like a car's cruise control—automatically adjust the speed of the outdoor units INVERTER-driven compressor and electronic linear expansion valve (LEV) position for precise capacity control. The INVERTER-driven compressor is unlike those found in other systems which only start and stop repetitively. Special components within the INVERTER compressor such as high density windings in the motor that increase the magnetic flux, and artificial magnets in the rotor to reduce its weight, allowi it to operate at higher energy efficiencies with better performance than ever before, while producing low sound levels both during start-up and operation.



MUZ-FE H2i Heating Capacity at Low Temperatures*



*Includes correction for defrost

Heat and Lots of It

In addition to the already innovative INVERTER-driven compressor, the MSZ-FE high-efficiency systems are also ENERGY STAR® rated and tax credit qualified up to 26 SEER delivering exceptional heating performance.

These systems provide heating down to -13˚ F outdoor ambient and produce up to 100% heating capacity at 5˚ F MSZ-FE09/18; 92% capacity at 5˚ F for MSZ-FE12. Our systems provide year–round comfort in extreme climates while being extremely energy efficient. There usually is no need for resistance electric or other supplemental, energy–consuming devices with this performance.

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

The i-see Sensor detects temperature variations in hard-to-control ceiling and floor areas, and controls the airflow up to a wide lateral angle for ultimate comfort (90˚ angle in cooling mode).
By scanning the room and adjusting airflow based on ambient temperature readings, MSZ-FE systems achieve superior cooling/heating performance with extremely efficient operation.

Low Ambient temperature conditions may require base pan header (GE and FE 1:1 systems)

Superior Operation

Advanced Control Technology

Through Mitsubishi Electric'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 data communication. An advanced wireless remote control is standard on all ductless models. An optional wired on-the-wall controller is available for wall-mounted/floor-standing indoor units on INVERTER systems (also requires MAC-397 If adapter). while standard on SEZ-KD ducted units.

Quiet Operation

Do you hear that? No? Mitsubishi Electric systems operate at low sound levels; our indoor units produce decibels barely at a whisper level.
Compare to other common sounds:

Police siren	118 decibels
Circular saw	107 decibels
Vacuum cleaner	74 decibels
Whisper-tone voice	35 decibels
Library reading room	33 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 get it.

System Control

Mitsubishi Electric offers a comprehensive remote controller that can adjust 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.

Easy to Maintain

With easily accessible filters, little or no ductwork to clean, and simple wiring between the indoor and outdoor units, Mitsubishi Electric systems require minimal maintenance, providing another level of convenience.

Auto Changeover on Heat-Pump Systems (MUZ/SUZ 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. You can set it and forget it.

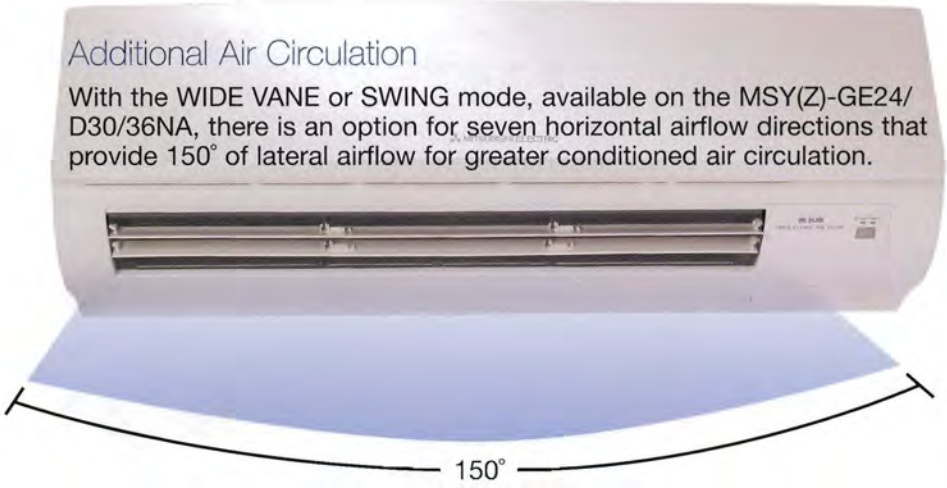
WHISPER QUIET HEALTHIER AIR

COMFORT SET IT AND FORGET IT

Total Comfort

Additional Air Circulation

With the WIDE VANE or SWING mode, available on the MSY(Z)-GE24/D30/36NA, there is an option for seven horizontal airflow directions that provide 150° of lateral 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 the system resumes all standard operations.

Multiple Filters for Cleaner, Healthier Air

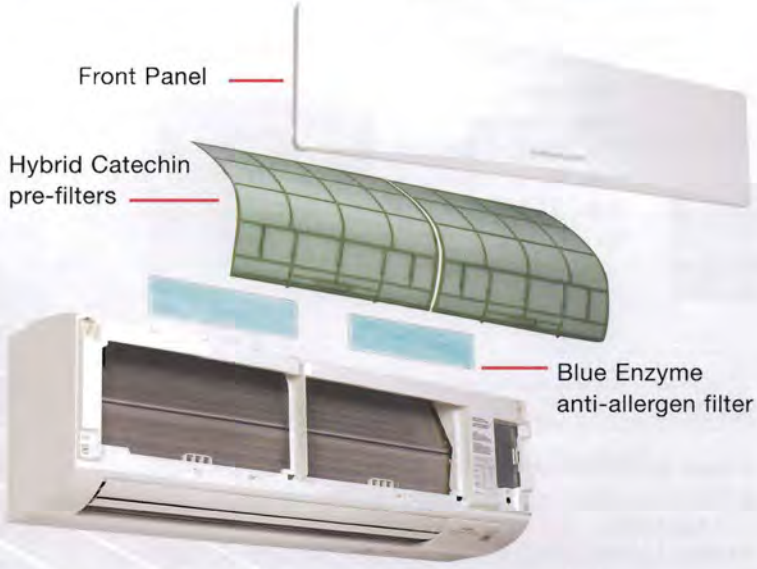
Mitsubishi Electric indoor units use a sophisticated multi-part filter system to remove contaminants such as allergens, viruses, and bacteria from the air.

A hybrid catechin pre-filter absorbs odor-causing gases. The hybrid-coating process makes the catechin filter washable and—if properly maintained with regular cleaning—remains effective for up to 10 years.

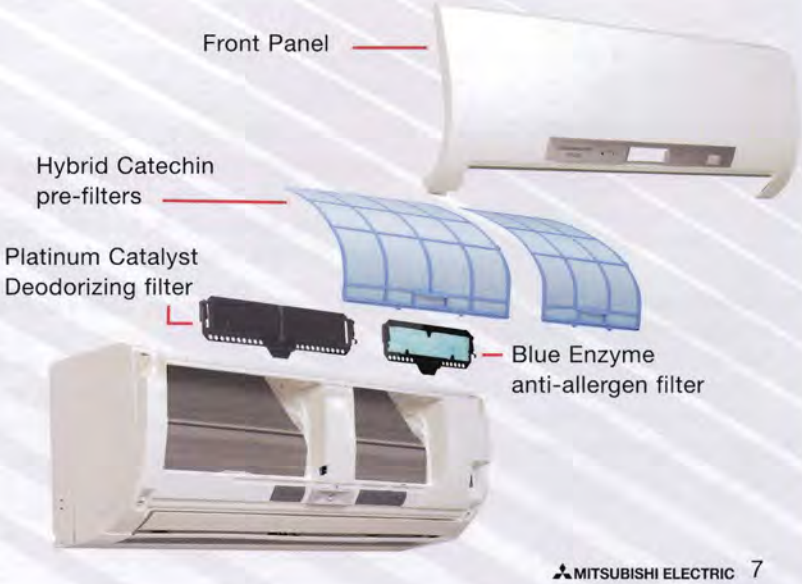
A Blue-enzyme anti-allergen filter reduces germs, bacteria, and viruses, and helps trap dust, pollens, mites, and other particles. The filter uses an enzyme catalyst to help break down the sulfur atom bonds in allergen proteins, transforming them into non-allergen proteins, and, effectively cleaning the air. The filter should be cleaned regularly to maintain efficiency.

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, renders allergens harmless by using enzymes. The third filter, a Platinum Catalyst Deodorizing filter, has a ceramic surface absorption element and uses nanotechnology for high-power odor absorption. Periodic cleaning, following the recommended procedures, will maintain filter effectiveness for up to two years. This combination of filters provides a complete air-purifying system within the ultimate comfort solution.

STANDARD FILTER SYSTEM (USED IN MSY/MSZ-GE/FE18/GA/D MODELS)



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



System Lineup

RESIDENTIAL AND LIGHT COMMERCIAL 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

- Provides cooling-only system
- Non-INVERTER rotary compressor
- Ideal for spaces such as bedrooms, garages, out-buildings, video monitoring

MSY/MUY
Air Conditioners
3,800 to 34,600 Btu/h
Capacity Range
15.1 - 21 SEER

- Cooling-only system
- INVERTER-driven compressor
- WIDE VANE for a wider angle of airflow, 150˚ from left to right (on GE24/D30/D36 models)
- Ideal for spaces such as bedrooms, garages, large open rooms and bonus rooms

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

MSZ/MUZ
Heat Pumps
3,800 to 33,200 Btu/h
Capacity Range
14.5 - 21 SEER
8.2 - 10 HSPF

- Uses INVERTER-driven compressor
- Provides cooling and heating in a wide range of capacities
- Offers a WIDE VANE for a wider angle of airflow, 150˚ from left to right (on GE24/D30/D36 models)
- Ideal for applications in bedrooms, home offices, living rooms, dining rooms, bonus rooms, basements, kitchens, guard houses and more

Up to 26 SEER!

MSZ/MUZ-FE09/12NA
High-Efficiency Heat Pumps
28,00 to 25,200 Btu/H capacity range
20.2 - 26 SEER
10 - 10.6 HSPF

- INVERTER-driven compressor
- Quiet operation as low as 19dB(A)
- i-see™ Sensor technology
- Enhanced filtration system
- H2i® high-heat capabilities (see page 12 &13)
  MSZ-FE09 is 100 percent at 5˚ F
  MSZ-FE12 is 92 percent at 5˚ F
  MSZ-FE18 is 100 percent at 5˚ F

SINGLE-ROOM, LOW WALL or FLOOR-STANDING UNIT (for use with MXZ-B)

MFZ
(For use with MXZ-B Outdoor Units only)

- Provides cooling and heating in a wide range of capacities
- Two outlet air vents:
  - Upper vent for cooling or heating
  - Bottom vent for heating only
- Flush or recessed installation

New to our lineup is a Low Wall or Floor-Standing model that can fit into those once difficult installations. These units provide comfort in spaces such as finished attics with knee walls, basements with low ceilings, and glass-walled sunrooms.

Mounted three inches above floor level, these models provide conditioned air two vents, and provide direct front-panel access to the filter for easy cleaning. The MFZ can even be recessed in a wall during installation provided proper clearances are maintained. (Currently there is no 1:1 system with MFZ)

SINGLE-ROOM, HORIZONTAL-DUCTED HEAT PUMPS (cooling and heating)

SEZ/SUZ
Heat Pumps
3,800 to 19,000 Btu/H
Capacity Range
15 SEER
17.5 - 10 HSPF

ENERGY STAR

If your customer is looking for discrete zoned comfort, then a short-run ducted unit is the right solution. As a stand-alone system or connected to a MXZ multi-room system, the SEZ ducted units provide energy efficiency, quiet operation, and a compact design for quick, easy installation hidden either in the ceiling or beneath the floor.

All of the 1:1 systems are ENERGY STAR certified, and two systems qualify for the federal tax credit. These systems provide customers with an environmentally friendly indoor unit with a similar installation and familiar style.

These SEZ indoor units also connect to MXZ multi-zone systems, providing a wide array of installation options to best fit any application.

SINGLE-ROOM, CEILING-RECESSED CASSETTE UNIT

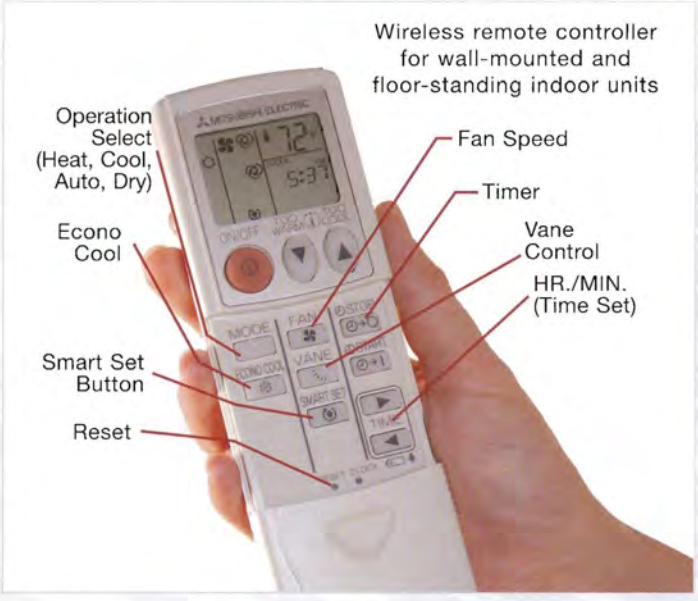
SLZ/SUZ
Heat Pumps
3,100 to 22,200 Btu/H
Capacity Range
15 - 16 SEER
9.6 HSPF

ENERGY STAR

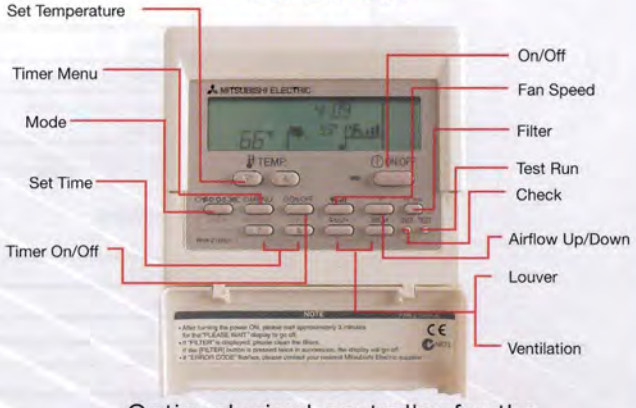
The SLZ-KA ceiling-recessed units casette offer a wide air-flow pattern for better air distribution in a less obtrusive style. These indoor units can be used in 1:1 heat pump and multi-zone systems providing more options to your customers. Install SLZs in a hard ceiling (with a access panel for servicing) or in a 2x2 extra space drop ceiling. With a built-in drain-lift mechanism for condensate removal and a 4" ventilation-air intake knockout option, and multiple options for the 1:1 systems, the SLZ handles a variety of installation needs.

Two of the three 1:1 systems are ENERGY STAR qualified.

WIRELESS and WIRED REMOTE CONTROLLERS



PAR-21MAA



Optional wired controller for the SEZ, SLZ and MFZ indoor units.
(Optional controller for wall-mounted is available: and floor-standing indoor units. Unit requires MAC-397 If adapter)

MHK1 WIRELESS REMOTE CONTROLLER

Exclusive for INVERTER-driven Mr. Slim® Systems*

REDLINK Wireless Technology

* SEZ and SLZ 1:1 systems with SUZ outdoor unit only

(MS-A12WA MODEL SHOWN)

MS 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		AC 115V	
	Indoor - Outdoor 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 Powerful)	DRY (CFM)	183-261-335-367	222-286-406-446
		WET (CFM)	162-233-300-328	198-254-363-399
	Sound Pressure Level (Lo-Med-Hi)	dB(A)	26-32-40-42	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.)

TAX CREDIT

TAX CREDIT

Model Name	Indoor Unit / Outdoor Unit		MSY-GE09NA / MUY-GE09NA	MSY-GE12NA / MUY-GE12NA	MSY-GE15NA / MUY-GE15NA	MSY-GE18NA / MUY-GE18NA	MSY-GE24NA / MUY-GE24NA	MSY-D30NA / MUY-D30NA	MSY-D36NA / MUY-D36NA
Cooling *1	Rated Capacity	Btu/h	9,000	12,000	14,000	17,200	22,500	30,700	34,600
	Capacity Range	Btu/h	3,800-12,200	3,800-13,600	3,100-18,200	3,700-18,700	8,200-31,400	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)	1,800 (570-3,580)	3,380 (620-3,380)	4,240 (620-4,240)
	Energy Efficiency	SEER	21	20.5	21	19.2	19	16	15.1
	Moisture Removal	Pints/h	1.5	2.5	2.7	4.6	2.7	9.9	11.9
	Sensible Heat Factor		0.82	0.74	0.80	0.71	0.75	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	388-469-628-738	389-639-848	
		WET (CFM)	109-134-201-286-364		170-237-300-385-498	194-240-304-385-498	347-420-562-661	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	34-41-49-53	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				9-3/8	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	17.1	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.	4.9		6.8	10.0	12.9	16	
		L.R.A.	6.1		8.5	12.5	16.1	20	
	Airflow (Cooling)	CFM	1,151	1,229	1,243	1,730	1,769	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	34-5/8	33-7/16	
	Weight	Lbs.	66	77	80	119		126	
Remote Controller	Type		Wireless Remote (Optional Wired Controller)						
Refrigerant	Type		R410A						
	Charge	Lbs., Oz.	1, 12	2, 9		3, 7	4, 3		
	Oil	Type (fl. oz.)	NEO22 (10.8)		NEO22 (15.2)		FV50S (0.40)	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)

MSZ HEAT PUMP

INVERTER

R410A

TAX CREDIT | TAX CREDIT | TAX CREDIT | TAX CREDIT | TAX CREDIT

Model Name	Indoor Unit / Outdoor Unit		MSZ-GE09NA / MUZ-GE09NA	MSZ-FE09NA / MUZ-FE09NA	MSZ-GE12NA / MUZ-GE12NA	MSZ-FE12NA / MUZ-FE12NA	MSZ-GE15NA / MUZ-GE15NA
Cooling *1	Rated Capacity	Btu/h	9,000	9,000	12,000	12,000	14,000
	Capacity Range	Btu/h	3,800-12,200	2,800-9,000	3,800-13,600	2,800-12,000	3,100-18,200
	Total Input	W	660 (205-1,200)	580 (160-650)	960 (205-1,300)	930 (160-960)	1,080 (160-2,000)
	Energy Efficiency	SEER	21	26	20.5	23	21
	Moisture Removal	Pints/h	1.5	2.1	2.5	2.9	2.7
	Sensible Heat Factor		0.82	0.76	0.74	0.73	0.80
Heating at 47° F *2	Rated Capacity	Btu/h	10,900	10,900	14,400	13,600	18,000
	Capacity Range	Btu/h	4,500-14,100	3,000-18,000	5,500-18,100	3,000-21,000	4,800-20,900
	Total Input	W	760 (255-1,200)	710 (150-2,250)	1,170 (340-1,660)	950 (150-2,250)	1,600 (270-2,010)
	HSPF (IV)	Btu/h/W	10			10.6	10
Heating at 17° F *3	Rated Capacity	Btu/h	6,600	6,700	8,800	8,300	11,300
	Rated Total Input	W	700	650	900	800	1,150
	Maximum Capacity	Btu/h	8,700	12,500	11,200	13,600	15,900
Heating at 5° F	Maximum Capacity	Btu/h	7,061	10,900	9,194	12,500	13,022
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	205-272-335-420-533
		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
	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	205-247-304-367-463
	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	26-32-38-44-49
	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	26-30-35-40-46
	External Finish Color		Munsell No. 1.0Y 9.2 / 0.2				
	Dimension Unit	W: In.	31-7/16	31-3/8	31-7/16	31-3/8	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				
Outdoor Unit	MCA	A	12				
	MOCP	A	15				
	Fan Motor	F.L.A.	0.50	0.56	0.50	0.56	0.50
	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	7.4
		L.R.A.	8.2	10.8	8.2	10.8	9.3
	Airflow (Cooling/Heating)	CFM	1,151 / 1,225	1,102 / 1,187	1,229 / 1,172	1,102 / 1,187	1,243 / 1,229
	Refrigerant Control		Linear Expansion Valve				
	Defrost Method		Reverse Cycle				
	Sound Pressure Level at Cooling *1	dB(A)	46	48	49	48	49
	Sound Pressure Level at Heating *2	dB(A)	50	49	51	49	51
	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)				NEO22 (15.2)
Refrigerant Pipe	Gas Side O.D.	In.	3/8				1/2
	Liquid Side O.D.	In.	1/4				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.)

TAX CREDIT | TAX CREDIT | TAX CREDIT

Model Name	Indoor Unit		MSZ-GE18NA	MSZ-FE18NA	MSZ-GE24NA	MSZ-D30NA	MSZ-D36NA
	Outdoor Unit		MUZ-GE18NA	MUZ-FE18NA	MUZ-GE24NA	MUZ-D30NA	MUZ-D36NA
Cooling *1	Rated Capacity	Btu/h	17,200	18,000	22,500	30,700	33,200
	Capacity Range	Btu/h	3,700-18,700	8,200-25,200	8,200-31,400	9,800-30,700	9,800-33,200
	Total Input	W	1,640 (240-2,070)	1,270 (570-2,280)	1,800 (570- 3,580)	3,850 (620-3,850)	4,360 (620-4,360)
	Energy Efficiency	SEER	19.2	20.2	19.0	14.5	
	Moisture Removal	Pints/h	4.6	2.7	2.7	9.9	11.3
	Sensible Heat Factor		0.71	0.84	0.75	0.64	0.62
Heating at 47° F *2	Rated Capacity	Btu/h	21,600	21,600	27,600	32,600	35,200
	Capacity Range	Btu/h	3,500-25,200	7,500-29,700	7,500-36,900	8,700-34,000	8,700-36,000
	Total Input	W	1,900 (230-2,680)	1,540 (520-2,240)	2,340 (520- 3,650)	3,360 (520-3,600)	3,840 (520-4,100)
	HSPF (Region IV)	Btu/h/W	10	10.3	10	8.2	
Heating at 17° F *3	Rated Capacity	Btu/h	13,400	11,700	16,000	19,500	21,800
	Total Input	W	1,450	2,180	3,290	2,400	2,820
	Maximum Capacity	Btu/h	17,200	19,300	24,600	20,800	22,800
Heating at 5° F	Maximum Capacity	Btu/h	13,562	21,600	21,160	16,305	19,090
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)	230-275-339-420-533	388-469-628-738	388-469-628-738	389-639-848	
		WET (CFM)	194-240-304-385-498	347-420-562-661	347-420-562-661	350-576-763	
	Airflow (Heat) (Lo-Med-Hi-Super HI-Powerful) *2	DRY (CFM)	230-275-339-431-512	388-469-628-738	388-469-628-738	445-639-848	
	Sound Pressure Level (Cooling) (Lo-Med-Hi-Super HI-Powerful) *1	dB(A)	28-33-38-44-49	34-41-49-53	34-41-49-53	32-42-49	
	Sound Pressure Level (Heating) (Lo-Med-Hi-Super HI-Powerful) *2		28-33-38-43-48	32-41-49-52	32-41-49-52	34-42-49-49	
	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	9-3/8		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	14	17.1		21	
	MOCP	A	15	20		25	
	Fan Motor	F.L.A.	0.93				
	Compressor	Model (Type)	DC INVERTER-driven Twin Rotary				
		R.L.A.	10.0	12.9		16	
		L.R.A.	12.5	16.1		20	
	Airflow	CFM	1,730 / 1,659	1,769 / 1,701		1,941	
	Refrigerant Control		Linear Expansion Valve				
	Defrost Method		Reverse Cycle				
	Sound Pressure Level at Cooling *1	dB(A)	54	55			56
	Sound Pressure Level at Heating *2	dB(A)	56		55	57	
	External Finish Color		Munsell No. 3Y 7.8/1.1				
	Dimensions	W: In.	33-1/16				
		D: In.	13				
		H: In.	33-7/16	34-5/8		33-7/16	
	Weight	Lbs.	119			141	
Remote Controller	Type		Wireless Remote (Optional Wired Controller)				
Refrigerant	Type		R410A				
	Charge	Lbs., Oz.	3, 7	4, 3		4, 10	
	Oil	Type (Fl. Oz.)	NE022 (15.2)	FV50S (13.5)		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.	50				
	Length (Max.)		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. 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.

(SEZ-KD12NA MODEL SHOWN)

INVERTER R410A

SEZ HEAT PUMP

TAX CREDIT TAX CREDIT

Model Name	Indoor Unit / Outdoor Unit		SEZ-KD09NA4 / SUZ-KA09NA	SEZ-KD12NA4 / SUZ-KA12NA	SEZ-KD15NA4 / SUZ-KA15NA	SEZ-KD18NA4 / SUZ-KA18NA
Cooling *1	Rated Capacity	Btu/h	8,100	11,500	14,100	17,200
	Capacity Range	Btu/h	3,800-10,900	3,800-13,300	3,800-17,000	3,800-19,000
	Total Input	W	670	920	1,170	1,380
	Energy Efficiency	SEER	15	16	15.5	17.5
	Moisture Removal	Pints/h	1.5	2.4	2.6	3.4
	Sensible Heat Factor		0.80	0.76	0.80	0.79
Heating at 47° F *2	Rated Capacity	Btu/h	10,900	13,600	18,000	21,600
	Capacity Range	Btu/h	4,800-14,100	4,800-16,400	4,800-21,100	4,800-24,900
	Total Input	W	1,020	1,140	1,500	1,700
	HSPF (IV)	Btu/h/W	10.0			
Heating at 17° F *3	Rated Capacity	Btu/h	6,700	9,000	11,900	13,100
	Rated Total Input	W	810	920	1,200	1,350
	Maximum Capacity	Btu/h	7,300	9,800	13,700	15,000
Power Supply	Phase, Cycle, Voltage		1 Phase, 60Hz, 208 / 230V *4			
Voltage	Indoor - Outdoor S1 - S2		AC 208-230V			
	Indoor - Outdoor S2 - S3		DC 12-24V			
	Indoor - Remote Controller		See optional accessories chart (pg 26 and 27)			
Indoor Unit	MCA	A	1			
	Fan Motor	F.L.A.	0.51	0.57	0.74	
	Airflow (Lo-Med-Hi)	DRY (CFM)	194-247-317	247-317-388	353-441-529	423-529-635
		WET (CFM)	174-222-285	222-285-349	317-396-476	381-476-572
	External Static Pressure *3	In. W.G.	0.02-0.06-0.14-0.20			
	Sound Pressure Level	dB(A)	23-26-30	23-28-33	30-34-37	30-34-38
	External Finish		Galvanized-Steel Sheets			
	Dimension Unit	W: In.	31-1/8	39		46-7/8
		D: In.	27-9/16			
		H: In.	7-7/8			
	Weight Unit	Lbs.	42	50	54	62
	Field Drainpipe Size O.D.	In.	1-1/4			
Outdoor Unit	MCA	A	12			14
	MOCP	A	15			
	Fan Motor	F.L.A.	0.50			0.93
	Compressor	Model (Type)	DC Inverter		DC Inverter Twin Rotary	
		R.L.A.	6.6		7.4	10
		L.R.A.	8.2		9.3	12.5
	Airflow (Cooling/Heating)	CFM	1,151/1,225	1,229/1,172	1,243/1,229	1,730/1,659
	Refrigerant Control		Linear Expansion Valve			
	Defrost Method		Reverse Cycle			
	Sound Pressure Level at Cooling *1	dB(A)	46	49		54
	Sound Pressure Level at Heating *2	dB(A)	50	51		56
	External Finish Color		Munsell No. 3Y 7.8/1.1			
	Dimensions	W: In.	31-1/2			33-1/6
		D: In.	11-1/4			13
		H: In.	21-5/8			33-7/16
	Weight	Lbs.	66	77	80	119
Remote Controller	Type		See optional accessories chart (pg 26 and 27)			
Refrigerant	Type		R410A			
	Charge	Lbs., Oz.	1, 16	2, 9		3, 16
	Oil	Type (fl. oz.)	NEO22 (10.8)		NEO22 (15.2)	
Refrigerant Pipe	Gas Side O.D.	In.	3/8		1/2	
	Liquid Side O.D.	In.	1/4			
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. 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.

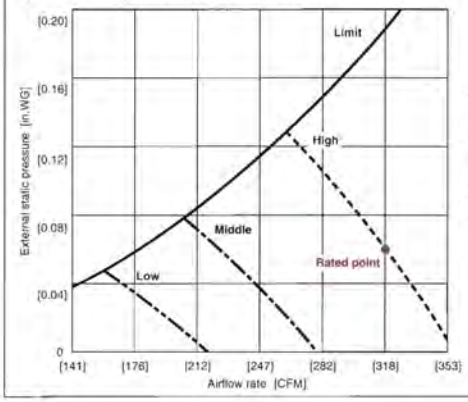
Specifications are subject to change without notice.

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

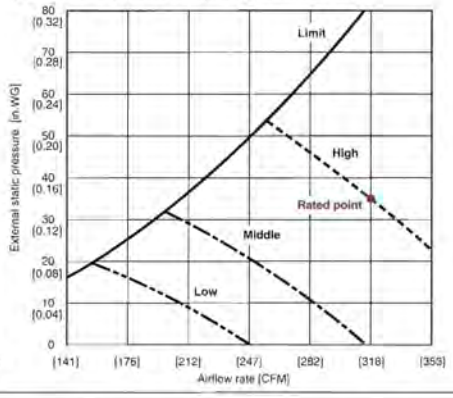
SEZ STATIC PERFORMANCE CURVES

(SEZ-KD12NA4 MODEL SHOWN)

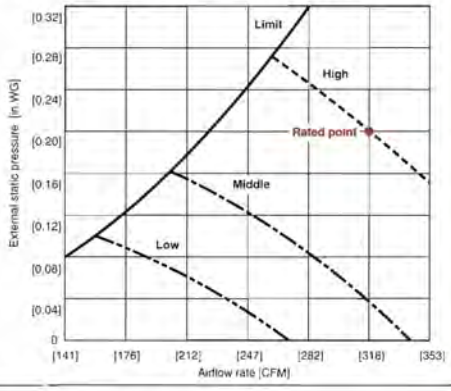
SEZ-KD09NA4
(External static pressure 0.06[in.WG]) 208/230V 60Hz



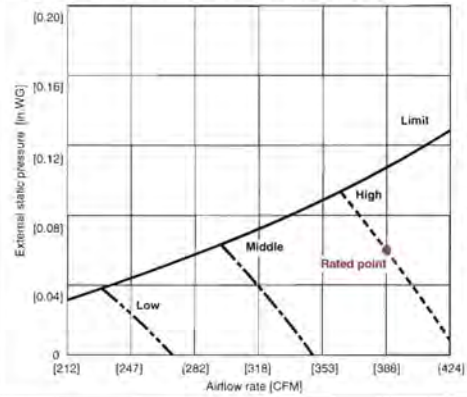
SEZ-KD09NA4
(External static pressure 0.14[in.WG]) 208/230V 60Hz



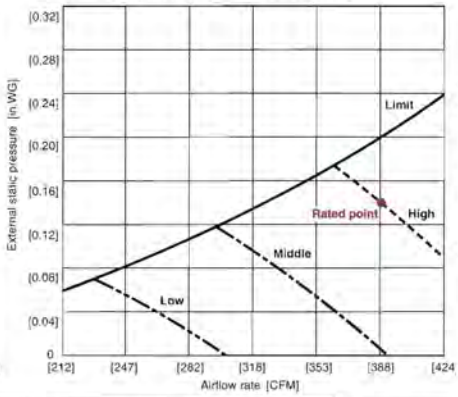
SEZ-KD09NA4
(External static pressure 0.20[in.WG]) 208/230V 60Hz



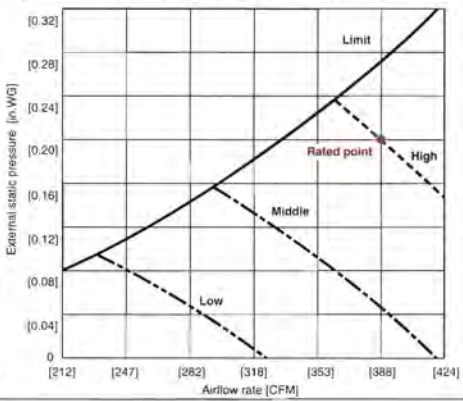
SEZ-KD12NA4
(External static pressure 0.06[in.WG]) 208/230V 60Hz



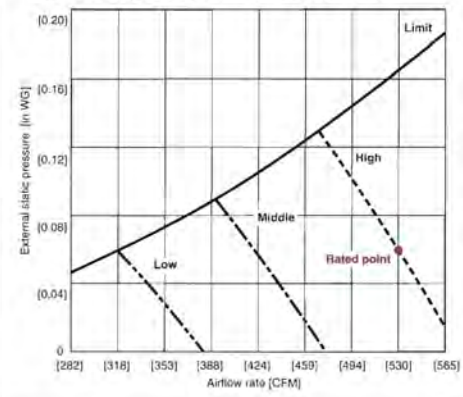
SEZ-KD12NA4
(External static pressure 0.14[in.WG]) 208/230V 60Hz



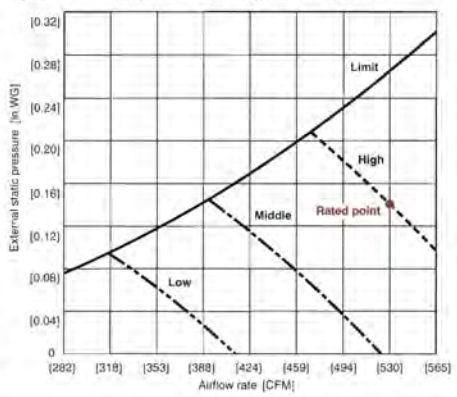
SEZ-KD12NA4
(External static pressure 0.20[in.WG]) 208/230V 60Hz



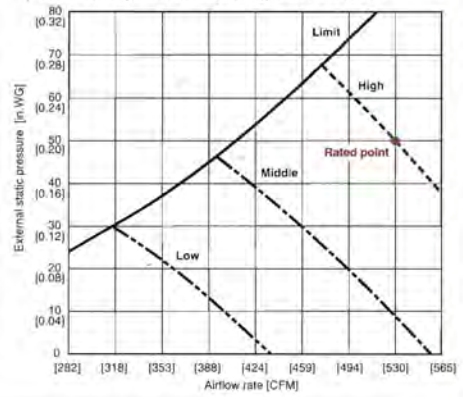
SEZ-KD15NA4
(External static pressure 0.06[in.WG]) 208/230V 60Hz



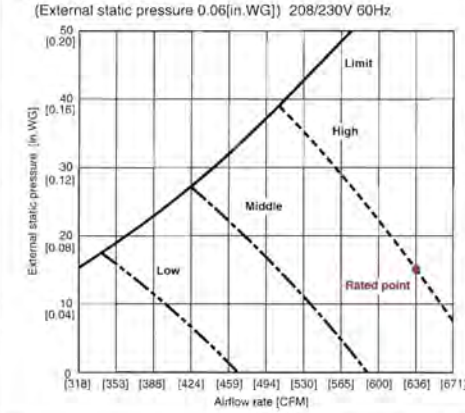
SEZ-KD15NA4
(External static pressure 0.14[in.WG]) 208/230V 60Hz



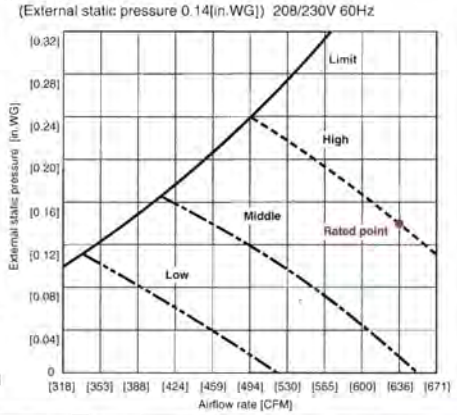
SEZ-KD15NA4
(External static pressure 0.20[in.WG]) 208/230V 60Hz



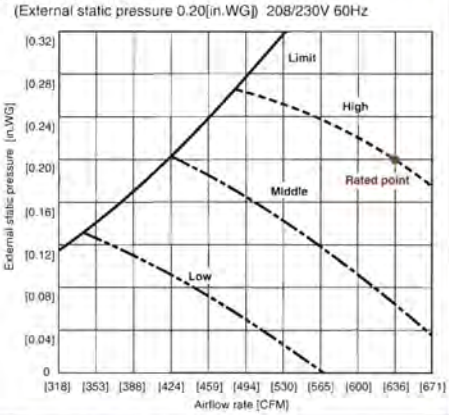
SEZ-KD18NA4
(External static pressure 0.06[in.WG]) 208/230V 60Hz



SEZ-KD18NA4
(External static pressure 0.14[in.WG]) 208/230V 60Hz



SEZ-KD18NA4
(External static pressure 0.20[in.WG]) 208/230V 60Hz



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

(SLZ-KA12NA MODEL SHOWN)

SLZ HEAT PUMP

INVERTER

R410A

Model Name	Indoor Unit / Outdoor Unit		SLZ-KA09NA / SUZ-KA09NA	SLZ-KA12NA / SUZ-KA12NA	SLZ-KA15NA / SUZ-KA15NA
Cooling *1	Rated Capacity	Btu/h	8,400	11,100	15,000
	Capacity Range	Btu/h	3,100-10,900	3,100-13,300	3,100-22,200
	Total Input	W	700	920	1,460
	Energy Efficiency	SEER	15	15.4	16
	Moisture Removal	Pints/h	1.2	2.3	4.5
	Sensible Heat Factor		0.80	0.76	0.80
Heating at 47° F *2	Rated Capacity	Btu/h	10,900	13,600	18,000
	Capacity Range	Btu/h	3,100-14,100	3,100-17,100	3,100-17,100
	Total Input	W	930	1,180	1,950
	HSPF (IV)	Btu/h/W	9.6		
Heating at 17° F *3	Rated Capacity	Btu/h	6,200	8,300	10,200
	Rated Total Input	W	740	930	1,310
	Maximum Capacity	Btu/h	8,300	10,200	12,000
Power Supply	Phase, Cycle, Voltage		1 Phase, 60Hz, 208 / 230V *4		
Voltage	Indoor - Outdoor S1 - S2		AC 208-230V		
	Indoor - Outdoor S2 - S3		DC 12-24V		
	Indoor - Remote Controller		See optional accessories chart (pg 26 and 27)		
Indoor Unit	MCA	A	1		
	Fan Motor	F.L.A.	0.23	0.28	0.28
	Airflow (Lo-Med-Hi)	DRY (CFM)	280-320-350	280-320-390	280-320-390
		WET (CFM)	250-290-320	250-290-350	250-290-350
	Sound Pressure Level	dB(A)	29-32-38	30-34-39	31-35-40
	External Finish		Galvanized-Steel Sheets; Grille: Munsell 6.4Y 8.9/0.4		
	Dimension Unit (Grille)	W: In.	22-7/16 (25-5/8)		
		D: In.	22-7/16 (25-5/8)		
		H: In.	8-3/16 (13/16)		
	Weight Unit (Grille)	Lbs.	36 (7)		
	Field Drainpipe Size O.D.	In.	1-1/4		
Outdoor Unit	MCA	A	12		
	MOCP	A	15		
	Fan Motor	F.L.A.	0.50		
	Compressor	Model (Type)	DC INVERTER-driven		DC INVERTER-driven Twin Rotary
		R.L.A.	6.6		7.4
		L.R.A.	8.2		9.3
	Airflow (Cooling/Heating)	CFM	1,151/1,225	1,229/1,172	1,243/1,229
	Refrigerant Control		Linear Expansion Valve		
	Defrost Method		Reverse Cycle		
	Sound Pressure Level at Cooling *1	dB(A)	46	49	
	Sound Pressure Level at Heating *2	dB(A)	50	51	
	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	77	80
Refrigerant	Type		R410A		
	Charge	Lbs., Oz.	1, 16	2, 9	
	Oil	Type (fl. oz.)	NEO22 (10.8)		NEO22 (15.2)
Refrigerant Pipe	Gas Side O.D.	In.	3/8		1/2
	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.

MHK1 WIRELESS REMOTE CONTROLLER KIT

Exclusive for INVERTER-driven Mr. Slim® Systems*

RED LINK Wireless Technology

Wireless Remote Controller

Wireless Receiver

MRCH1 WIRELESS REMOTE CONTROLLER

- Backlit, easy–to–read display
- Dual setpoint control with system changeover
- Enabled with RedLINK™ reliability
- Compatible with MCCH1 Portable Central Controller
- Installs Anywhere

MFH1 WIRELESS RECEIVER

- Required for MRCH1 Wireless Remote Controller
- Enabled with RedLINK reliability

Function	Description
ON/OFF	On/Off operation for a single indoor unit
Operation Mode	Cool / Drying / Auto / Heat / Fan only Available operation modes dependant on connected system.
Temperature Setting	Set temperature from 50°F – 87°F depending on operation mode and connected system
System Changeover Deadband Value	2-8°F
Schedule Operation	5-2, 5-1-1
Fan Speed Setting	Hi/Mid-2/Mid-1/Low/Auto Available fan speed settings dependant on connected system.
Air Flow Direction Setting	Air flow angles: 100° - 80° - 60° - 40° and oscilate Available air flow direction settings dependant on connected system.
Permit/Prohibit Function	Individual prohibit operations for each remote controller function (ON/OFF, Set Temperature, and Operation Mode).
Space Temperature	Displays the measured space temperature.
Error Indication	Displays error code.
Display Outside Temperature and Humidity	Requires optional MOS1 Outside Air Sensor
Dimensions - (W x D x H)	Remote Controller: 5-3/16" x 1-1/2" x 3-9/16" Receiver: 3-1/4" x 1-5/16" x 6-7/16"
Operating Ambient Temperature	Remote Controller: 32 - 120°F Receiver: -40 – 165°F
Operating Ambient Humidity	Remote Controller: 5% - 90% RH (non-condensing) Receiver: 5% - 90% RH (non-condensing)
Power Supply	2 AA batteries

* SEZ and SLZ 1:1 systems with SUZ outdoor unit

MHK1 Kit includes

MRCH1	Wireless Wall-Mounted Remote Controllers
MIFH1	Wireless Receiver
MRC1	Cable

Accessories

MCCH1	Portable Central Controllers
MOS1	Outside Air Sensor

MULTIPLE ROOMS WITH INDIVIDUAL CONTROL FROM A SINGLE SYSTEM

Enjoy ideal levels of comfort in the rooms you use most with our multi–room system. Each room (zone) operates independently. People in different 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 a particular cooling and heating need and offers numerous different indoor unit combinations. In addition, up to eight indoor units can be connected to one outdoor unit. Now with a SEZ horizontal ducted unit and a MFZ floor-standing unit homeowners 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 a current system, conditioning newly furnished spaces, or new additions and replacing a system within a home. Homeowners can also benefit from lower energy costs year-round while staying comfortable thanks to Mitsubishi Electric's energy-efficient technologies that are a part of every system that we make.

To add to the level of energy efficiency, the MXZ-2B20NA and MXZ-3B24NA systems qualify for both ENERGY STAR® and the federal tax credit (See details on page 21 for applicable indoor unit combinations).

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

MFZ Floor-Standing Indoor Units for MXZ Heat Pump Systems

Floor-standing indoor unit mounts three inches above the floor and has front panel access to the filter for ease of cleaning.

The MFZ units provide energy–efficient solutions to provide personalized comfort for difficult areas that may be smaller or don't have usable space on the walls.

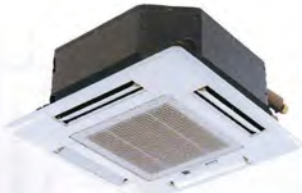
MFZ units on MXZ systems include the following features:
- Top and bottom discharge vanes
- Hot-start technology
- Quiet operation
- Wireless remote control (optional wall-mounted controller)

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 a branch box or 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.

MSZ units on MXZ systems include the following features:
- Sleek, flat panel design
- Hot-start technology
- Quiet operation
- i-see™ sensor technology (MSZ-FE09/12NA models only)
- Enhanced filtration system (MSZ-FE09/12NA models only)
- Wireless remote control

(optional wired wall-mounted controller)



SLZ Ceiling-Recessed Indoor Units for MXZ Heat Pump Systems

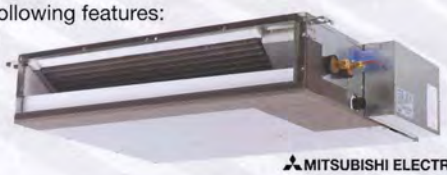
The new SLZ-KA ceiling casette systems offer a wide air-flow pattern for better air distribution offered to your customers. Installation can be done in a hard ceiling (with a access panel for servicing) or placed into a 2x2' drop ceiling. With a built-in drain lift mechanism for condensate removal and a 4" ventilation air intake knockout option the SLZ is ready to handle a variety of installation needs.

SLZ units on MXZ systems include the following features:
- Wide air-flow pattern for better air distibution
- 4" ventillation air intake knockout
- Built-in condensate lift mechanism
- Wireless RedLINK™ remote controller

SEZ Horizontal Ducted Indoor Units for MXZ Heat Pump Systems

SEZ ducted units can provide 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 adjacent rooms.

The SEZ unit on MXZ systems include the following features:
- Concealed design for short-run ductwork
- Quiet operation
- Built-in condensate lift mechanism



DIAMOND COMFORT MXZ MULTI-ZONE SYSTEMS

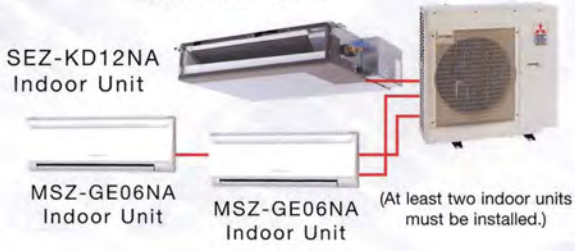
MXZ-B Series multi-zone systems provide personalized comfort control and energy efficiency in up to eight rooms with only a single outdoor unit. The MXZ-B Series system features include:

- Individual zone control
- Mix and match flexibility of indoor unit styles and combinations
- A wide range of indoor unit capacities that match the room size and requirements
- Flexible design options to tackle the most challenging multi-room installations
- Efficient systems, including three systems [mxz series] that meet energy star® and federal tax credit requirements
- Simple, quick, and cost-effective installation keeps install costs down on new construction, and disruption to a minimum on renovations and refits

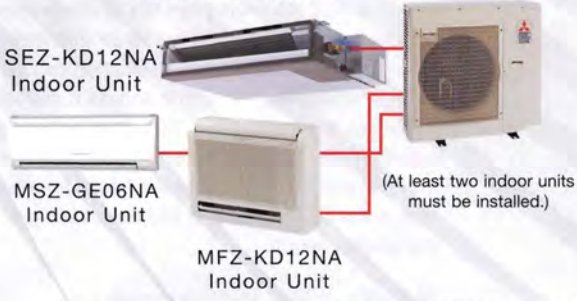
Efficiency and performance ratings depend on the number, style, and capacity of the indoor units installed with each Multi-Zone System.

MXZ-2B20NA-1 (2:1)
Outdoor Unit

MXZ-3B24NA (2:1, 3:1)
Outdoor Unit

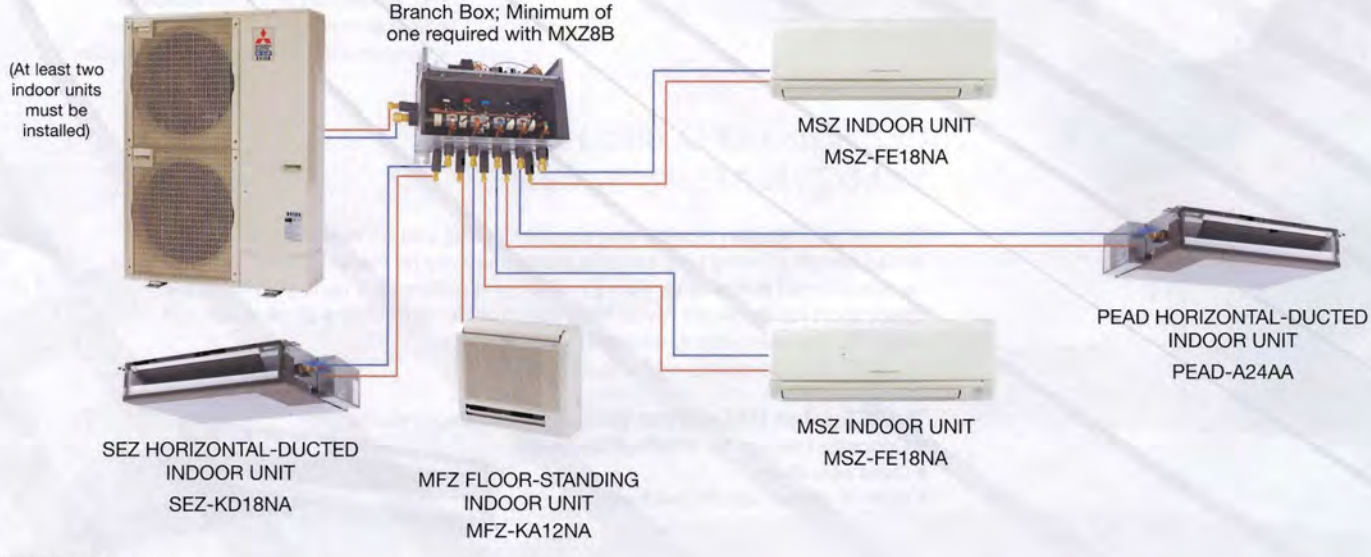


MXZ-3B30NA (2:1, 3:1)
Outdoor Unit



MXZ-4B36NA
(2:1, 4:1)
Outdoor Unit

MXZ-8B48NA (2:1-8:1)
Outdoor Unit



MULTI-ROOM MXZ-B INVERTER HEAT PUMP

INVERTER R410A

Model Name		Outdoor Unit		MXZ-2B20NA-1 *5	MXZ-3B24NA *6	MXZ-3B30NA	MXZ-4B36NA *7
Indoor Unit	Cooling *1 Non-ducted/ Ducted	Rated Capacity	Btu/h	18,000/20,000	22,000/23,600	28,400/27,400	35,400/34,400
		Capacity Range	Btu/h	7,800-20,000	12,600-25,500	12,600-28,400	12,600-36,400
		Total Input	W	2,190 (630-2,190)	2,460 (1,000-2,950)	3,330 (1,000-3,330)	3,940 (1,000-4,020)
	Heating at 47° F *2 Non-ducted/ Ducted	Rated Capacity	Btu/h	22,000/22,000	25,000/24,600	28,600/27,600	36,000/34,400
		Capacity Range	Btu/h	8,500-25,500	11,400-30,600	11,400-36,000	11,400-43,000
		Total Input	W	2,620 (520-2,620)	1,900 (740-2,600)	2,220 (740-2,820)	3,100 (740-3,940)
	Heating at 17° F *3 Non-ducted/ Ducted	Rated Capacity	Btu/h	12,500/12,500	14,000/14,000	16,000/15,100	22,200/20,300
		Rated Total Input	W	1,350/1,430	1,380/1,570	2,120/2,140	2,430/2,340
		Maximum Capacity	Btu/h	14,500/14,500	18,800/17,000	18,800/18,000	24,600/25,400
		Maximum Total Input	W	1,500/1,590	2,120/2,230	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)	CFM	1,485/1,640	2,068/1,605	1,365/1,605	2,068/2,068
		Refrigerant Control		Linear Expansion Valve			
		Defrost Method		Reverse Cycle			
		Sound Pressure Level at Cooling *1	dB(A)	49	54	49	54
		Sound Pressure Level at Heating *2	dB(A)	51	49		57
		External Finish Color		Munsell No. 3.0Y 7.8 / 1.1			
		Dimensions	W: In.	33-1/16	35-7/16		
			D: In.	13	12-5/8		
			H: In.	27-15/16	35-7/16		
		Weight	Lbs.	130	150		153
Indoor Unit		No. of Units		2	2, 3	2, 3	2, 3, 4
Remote Controller		Type		Associated with the Indoor Unit			
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.	In.	1/4			
Refrigerant Pipe Length		Height Difference (Max.)	Ft.	49/33 *9			
		Length (Max.)	Ft.	164 (A+B)	230 (A+B+C)		230 (A+B+C+D)
Connection Method		Indoor/Outdoor		Flared/Flared			

*Compatible with the MSZ-A, MSZ-GA, MSZ-FD, MSZ-FE, MSZ-GE, MFZ-KA and SEZ-KD series indoor units (PLA-18 & PCA-24 on the MXZ-MXZ-3B / PLA-24 & PCA-24 on the MXZ-4B)

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 9,000 Btu/h (non-ducted) or one 9,000 Btu/h and one 12,000 Btu/h (ducted).
*6. Data from combination of two Indoor Units 6,000 Btu/h and one 9,000 Btu/h (non-ducted) or three 9,000 Btu/h (ducted).
*7. Data from combination of four Indoor Units 9,000 Btu/h (non-ducted and ducted).
*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.

MULTI-ZONE ENERGY STAR AND TAX CREDIT SYSTEMS

Model	Indoor Unit Combinations	SEER	HSPF
MXZ-2B20NA-1	2 x MSZ-GE09NA	18	8.9
MXZ-3B24NA	2 x MSZ-GE06NA 1 x MSZ-GE09NA	17.5	9.3
MXZ-3B24NA	2 x MSZ-GE06NA 1 x MSZ-GE12NA	17.5	9.3

See page 25 for additional info on efficiency.

ENERGY STAR PARTNER

For more details on all ENERGY STAR and tax credit systems go to www.mitsubishicomfort.com/taxcredit

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

MXZ-8B48NA: THE ULTIMATE ZONING SOLUTION

The Mitsubishi Electric **MXZ-8B48NA** eight-zone unit. As a member of the expanding MXZ-B Series of multi-zone systems, the MXZ-8B outdoor unit incorporates branch boxes to connect up to eight indoor units.

The INVERTER-driven compressor at the heart of the MXZ-8B outdoor unit provides variable capacity control, allowing the system to adjust to the specific demands of the interior space as needed, not the hard start and stop of a traditional system installed in most U.S. homes.

The MXZ-8B48NA has only one port on the outdoor unit for two insulated refrigerant lines, which run into the home or business to connect to a branch box or boxes. From the, branch box(es), gas, and liquid refrigerant piping run to each of the indoor units. The LEV in the branch box(es) controls the refrigerant flow as the load of each zone changes.

Through the branch box(es) (the PAC-AKA31BC three-port and/or the PAC-AKA51BC five-port), the system can connect from two indoor units up to eight indoor units, depending on application requirements.

The flexibility of the system doesn't stop there. The MXZ-8B48NA has rated capacities of 48,000 Btu/h for cooling and 54,000 Btu/h for heating. System operation, however, can range from a minimum 12,000 Btu/h to a maximum 54,000 Btu/h in cooling and a maximum of 60,000 Btu/h in heating. This type of performance supports a large variety of applications.

The MXZ-8B48NA allows for further flexibility because it supports a connected indoor unit capacity from 22% to 130% or 12,000 Btu/h to a maximum 70,200 Btu/h, depending on diversity.

MXZ-8B48NA (2:1 - 8:1)
Outdoor Unit

General Features:

- **Four-ton outdoor unit can support up to eight indoor units using branch boxes**
- **Wide variety of indoor unit styles, including wall-mounted, floor-standing, ceiling-cassette, ducted**
- **Individual control up to eight (8) zones using wired or wireless controls**
- **Advanced microprocessor control**
- **Auto restart following a power outage**
- **Self-check function offering integrated diagnostics**
- **Limited warranty: five years on parts and defects and seven years on compressors**

Connectable Indoor Units:

MSZ-FE09, 12, 18NA

MSZ-GE06, 09, 12, 15, 18, 24NA

SEZ-KD09, 12, 15, 18NA

PEAD-A24AA

SLZ-KA09, 12, 15NA

MFZ-KA09, 12, 18NA

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

MULTI-ROOM MXZ-B INVERTER HEAT PUMP

INVERTER R410A

Model Name		Outdoor Unit		MXZ-8B48NA
Indoor Unit	Cooling *1 Non-ducted/ Ducted	Rated Capacity	Btu/h	48,000 / 48,000
		Rated Total Input	W	5,780 / 6,470
		Maximum Capacity	Btu/h	54,000
	Heating at 47° F *2 Non-ducted/Ducted	Rated Capacity	Btu/h	54,000 / 54,000
		Rated Total Input	W	4,820 / 5,270
		Maximum Capacity	Btu/h	60,000
	Heating at 17° F *3 Non-ducted/Ducted	Rated Capacity	Btu/h	33,000 / 34,700
		Rated Total Input	W	2,950 / 3,390
		Maximum Capacity	Btu/h	36,600 / 36,550
Power Supply		Phase, Cycle, Voltage		1 Phase, 60Hz, 208 / 230V
Voltage		Indoor - Outdoor S1 - S2		AC 208-230V
		Indoor - Outdoor S2 - S3		DC12-24V
Outdoor Unit		MCA	A	32
		Recommended Fuse/Breaker Size	A	40
		Fan Motor	Type x Quantity	Propeller x 2
			Motor Output (kW)	0.086 + 0.086
		Compressor	Model (Type)	DC INVERTER-driven Scroll
			Motor Output (kW)	2.9
		Airflow (Cooling/Heating)	CFM	3,530
		Refrigerant Control		Linear Expansion Valve
		Sound Pressure Level at Cooling *1	dB(A)	54
		Sound Pressure Level at Heating *2	dB(A)	55
		External Finish Color		Munsell No. 3Y 7.8 / 1.1
		Dimensions	W: In.	37-7/16
			D: In.	13+1-3/16
			H: In.	53-3/16
		Weight	Lbs.	278
		Total Capacity 22-130%	Btu/h	12,000 - 70,200
Indoor Unit		Model / Quantity		6,00 - 24,000 / 2-8
Remote Controller		Type		Associated with Indoor Unit Model
Refrigerant		Type		R410A
		Charge	Lbs., Oz.	18, 11.2
		Oil	Type (fl. oz.)	FV50S (73)
Refrigerant Pipe		Gas Side O.D.	In.	5/8
		Liquid Side O.D.	In.	3/8
Refrigerant Pipe Length		Height Difference (Max.)	Ft.	66/98 *4
		Maximum Distance between (Outdoor unit and farthest indoor unit)	Ft.	230
		Maximum Pipe Length - Branch box to Indoor Unit	Ft.	49
		Total Maximum line length between Branch Box and All Connected Indoor Units	Ft.	197*
		Total Length (Max.)	Ft.	377
Connection Method		Indoor/Outdoor		Flared/Flared

*Includes both branch boxes if there are two.

*Compatible with the MSZ-A, MSZ-FD, MSZ-FE, MSZ-GE, MFZ-KA, SEZ-KD, PLA, and PEAD 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. 66' applies to installations when the outdoor unit is installed below the indoor unit.

Power factor equals 97 percent.

Specifications are subject to change without notice.

Note: Maximum installed capacity is the maximum total of all connected indoor units, **NOT** the maximum capacity produced.

Only a single Lineset is needed from the outdoor unit to branch box.

See page 25 for MXZ-B information on efficiency

Branch Boxes:
(At least one branch box required)

PAC-AKA51BC Branch Box

PAC-AKA31BC Branch Box

Required Branch Boxes for MXZ-8B48NA (Maximum of 2 branch boxes can be connected to one outdoor unit; requires joint MSDD-50AR-E or MSDD-50BR-E.)

Model Name			PAC-AKA31BC	PAC-AKA51BC
Connectable No. of Indoor Units			3	5
Power Supply	Phase, Cycle, Voltage		1 Phase, 60Hz, 208 / 230V	
Power Input		W	3	
Current		A	0.05	
External Finish			Galvanized-Steel Sheets	
Dimensions	Width	in.	17-3/4	
	Depth	In.	11	
	Height	In.	7-3/4	
Net Weight		Lbs.	19	21
Refrigerant Pipe Dimensions	Outdoor Unit to Branch Box	Gas (In.)	5/8	
		Liquid (In.)	3/8	
	Branch Box to Indoor Units	Gas (In.)	A,B,C: 3/8	A,B,C,D: 3/8; E: 1/2
		Liquid (In.)	A,B,C: 1/4	A,B,C,D,E: 1/4
Drainpipe Size (O.D.)		In.	3/4	

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

(MSZ-GE12NA MODEL SHOWN)

MSZ WALL-MOUNTED INDOOR UNITS
(FOR MXZ-B OUTDOOR UNITS)

INVERTER R410A

Model Name	Indoor Unit		MSZ-GE06NA	MSZ-GE09NA	MSZ-FE09NA	MSZ-GE12NA	MSZ-FE12NA	MSZ-GE15NA	MSZ-GE18NA	MSZ-FE18NA	MSZ-GE24NA
Cooling *1	Rated Capacity	Btu/h	6,000	9,000	9,000	12,000	12,000	14,000	17,200	18,000	22,500
Heating at 47° F *2	Rated Capacity	Btu/h	7,200	10,900	10,900	14,400	13,600	18,000	21,600	21,600	27,600
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	388-469-628-738	388-469-628-738
		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	347-420-562-661	347-420-562-661
	Airflow at Heating (Quiet-Lo-Med-Hi-Super Hi or Lo-Med-Hi-Powerful) *2	WET (CFM)	145-170-233-321-406	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	388-469-628-738	388-469-628-738
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	34-41-49-53	34-41-49-53
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	32-41-49-52	32-41-49-52
External Finish Color			Munsell No. 1.0Y 9.2 / 0.2								
Dimension Unit		W: In.	31-7/16							43-5/16	
		D: In.	9-1/8		10-1/8	9-1/8	10-1/8	9-1/8		9-3/8	
		H: In.	11-5/8							12-13/16	
Weight Unit		Lbs.	22		27	22	27	22		37	
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		5/8	
	Liquid Side O.D.	In.	1/4							3/8	
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 page 21.

SEZ DUCTED INDOOR UNIT
(FOR MXZ-B OUTDOOR UNITS)

INVERTER R410A

Model Name	Indoor Unit / Outdoor Unit		SEZ-KD09NA4	SEZ-KD12NA4	SEZ-KD15NA4	SEZ-KD18NA4
			For use with all MXZ-Series			
Cooling *1	Rated Capacity	Btu/h	9,000	12,000	15,000	17,200
Heating at 47° F *2	Rated Capacity	Btu/h	10,900	13,600	18,000	21,600
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/Flared			

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.

- Reference page 17 for SEZ static performance curves.

MFZ FLOOR/LOW WALL INDOOR UNIT
(FOR MXZ-B OUTDOOR UNITS)

Model Name	Indoor Unit / Outdoor Unit		MFZ-KA09NA	MFZ-KA12NA	MFZ-KA18NA
Cooling *1	Rated Capacity	Btu/h	9,000	12,000	18,000
Heating at 47° F *2	Rated Capacity	Btu/h	10,900	14,400	21,600
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		
	MCA	A	1		
Fan	Airflow at Cooling (Lo-Med-Hi-Super Hi)*1	DRY (CFM)	169-205-251-314	177-215-261-321	251-279-325-394
		WET (CFM)	163-197-241-303	170-207-252-309	241-269-313-379
	Airflow at Heating (Lo-Med-Hi-Super Hi) *2	(CFM)	177-198-219-332	184-201-219-335	261-275-297-434
Sound Pressure Level at Cooling (Lo-Med-Hi-Super Hi) *1		dB(A)	25-30-35-40	26-31-36-41	35-38-42-46
Sound Pressure Level at Heating (Lo-Med-Hi-Super Hi) *2		dB(A)	25-30-35-40	28-31-36-41	35-38-42-47
External Finish Color			Munsell No. 1.0Y 9.2/0.2		
Dimension Unit		W: In.	27-9/16		
		D: In.	7-7/8		
		H: In.	23-5/8		
Weight Unit		Lbs.	32		
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		

INVERTER R410A

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. 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.

Presently there is no 1:1 system with the MFZ indoor unit.

SLZ CEILING-RECESSED INDOOR UNIT
(FOR MXZ-B OUTDOOR UNITS)

INVERTER R410A

Model Name	Indoor Unit		SLZ-KA09NA	SLZ-KA12NA	SLZ-KA15NA
Cooling *1	Rated Capacity	Btu/h	8,400	11,100	15,000
Heating at 47° F *2	Rated Capacity	Btu/h	10,900	13,600	18,000
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		
	MCA	A	1		
Fan	Fan Motor	F.L.A.	0.23	0.28	0.28
	Airflow (Lo-Med-Hi)	DRY (CFM)	280-320-350	280-320-390	280-320-390
		WET (CFM)	250-290-320	250-290-350	250-290-350
Sound Pressure Level		dB(A)	25-30-35-40	26-31-36-41	35-38-42-46
Sound Pressure Level at Heating (Quiet-Lo-Med-Hi-Super Hi) *2		dB(A)	29-32-38	30-34-39	31-35-40
External Finish Color		Unit/ Grille	Galvanized-steel Sheets/Munsell 6.4Y 8.9 / 0.4		
Dimension Unit		W: In.	22-7/16		
		D: In.	22-7/16		
		H: In.	8-3/16		
Weight Unit		Lbs.	36		
Field Drainpipe Size O.D.		In.	1-1/4		
Refrigerant	Type		R410		
Refrigerant Pipe	Gas Side O.D.	In.	3/8		1/2
	Liquid Side O.D.	In.	1/4		
Connection Method	Indoor/Outdoor		Flared/Flared		

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. 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.

EFFICIENCY RATINGS

Model	Indoor Unit Type	SEER	HSPF
MXZ-2B20NA-1	Non-ducted	18	8.9
	Ducted and Non-ducted	16.75	8.7
	Ducted	15.5	8.5
MXZ-2B20NA-1 ENERGY STAR & TAX CREDIT	2 x MSZ-GE09NA	18	8.9
MXZ-3B24NA	Non-ducted	17.5	9.3
	Ducted and Non-ducted	16.25	8.9
	Ducted	15.0	8.5
MXZ-3B24NA ENERGY STAR & TAX CREDIT	2 x MSZ-GE06NA 1 x MSZ-GE09NA	17.5	9.3
MXZ-3B24NA ENERGY STAR & TAX CREDIT	2 x MSZ-GE06NA 1 x MSZ-GE12NA	17.5	9.3
MXZ-3B30NA	Non-ducted	17.5	10.5
	Ducted and Non-ducted	16	10.0
	Ducted	14.5	9.5
MXZ-4B36NA	Non-ducted	18	9.3
	Ducted and Non-ducted	16.5	9.2
	Ducted	15.0	9.0
MXZ-8B48NA	Non-ducted	15	8.7
	Ducted and Non-ducted	14.8	8.8
	Ducted	14.7	8.9

M-SERIES RATING CONDITIONS

		INDOOR INTAKE AIR TEMPERATURE	OUTDOOR INTAKE AIR TEMPERATURE
COOLING	MAXIMUM	95°F D.B., 71°F W.B. (MU, SUZ, MXZ-2B20-1,3B24,3B30,4B36) 90°F D.B., 73°F W.B. (MUZ/Y-GE, MUZ-FE, MUZ/Y-D)	115°F D.B. (MU, MUZ/Y-GE, MUZ/Y-D, MUZ-FE, SUZ; MXZ-2B20-1, 3B24, 3B30,4B36,8B48)
	MINIMUM	67°F D.B., 57°F W.B. (MU, MUZ/Y-GE, MUZ/Y-D, MUZ-FE, SUZ; MXZ-2B201,3B24,3B30,4B36)	14°F D.B. (MUZ/Y-GE, MUZ/Y-D, MUZ-FE, SUZ; MXZ-2B20-1,3B24, 3B30,4B36) 23°F D.B. (MXZ-8B48) 67°F D.B. (MU)
HEATING	MAXIMUM	80°F D.B., 67°F W.B. (MU, MUZ/Y-GE, MUZ/Y-D, MUZ-FE, SUZ; MXZ-2B20-1, 3B24,3B30,4B36)	75°F D.B., 65°F W.B. (MUZ/Y-GE, MUZ/Y-GA24, MUZ-FE, SUZ; MXZ-2B20-1,3B24,3B30,4B36) 70°F D.B. (MXZ-8B48)
	MINIMUM	70°F D.B., 60°F W.B. (MUZ-GE, MUZ-GA24, MUZ-D, MUZ-FE, SUZ; MXZ-2B20-1,3B24,3B30,4B36)	-13°F D.B., -15°F W.B. (MUZ-FE) -4°F D.B., -5°F W.B. (SUZ, MUZ-GE) 5°F D.B., 4°F W.B. (MUZ-GA24, MXZ-8B48NA) 6°F D.B., 5°F W.B. (MXZ-2B20-1,3B24, 3B30,4B36) 14°F D.B., 13°F W.B. (MUZ-D)

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

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-GE06NA; MSY/Z-GE09,12NA; MSZ-FE09,12NA; SEZ-KD09,12NA; MFZ-KA09,12NA SLZ-KA09, 12, 15NA
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-GE15,18NA; SEZ-KD12,18NA; MFZ-KA18NA; SLZ-KA18
MLS141212T-30	1/4 x 1/2	30	1/2"	
MLS141212T-50	1/4 x 1/2	50	1/2"	
MLS141212T-65	1/4 x 1/2	65	1/2"	
MLS141212-100	1/4 x 1/2	100	1/2"	
MPLS385812T-10	3/8 x 5/8	10	1/2"	MSY/Z-GE24NA, MSY/Z-D30,36NA; MXZ-8B48NA, MSZ-FE18NA
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-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
MSY-GE24NA	MUY-GE24NA	100	50
MSZ-GE24NA	MUZ-GE24NA	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
MSZ-FE09NA	MUZ-FE09NA	65	40
MSZ-FE12NA	MUZ-FE12NA	65	40
MSZ-GE06,09,12,15NA; MSZ-FE09,12NA; MFZ-KA09,12NA; SEZ-KD09,12,15NA	MXZ-2B20NA-1	164	49*/33
MSZ-GE06,09,12,15,18NA; MSZ-FE09,12, 18N; MFZ-KA09,12,18NA; SEZ-KD09,12,15,18NA SLZ-KA09, 12, 15NA	MXZ-3B24NA	164	49*/33
MSZ-GE06,09,12,15,18NA; MSZ-GA24NA, MSZ-FE09,12, 18NA; MFZ-KA09,12,18NA; SEZ-KD09,12,15,18NA SLZ-KA09, 12, 15NA	MXZ-3B30NA	230	49*/33
MSZ-GE06,09,12,15,18NA; MSZ-GE24NA, MSZ-FE09,12, 18NA; MFZ-KA09,12,18NA; SEZ-KD09,12,15,18NA SLZ-KA09, 12, 15NA	MXZ-4B36NA	230	49*/33
MSZ-GE06,09,12,15,18NA; MSZ-GE24NA, MSZ-FE09,12, 18NA; MFZ-KA09,12,18NA; SEZ-KD09,12,15,18NA SLZ-KA09, 12, 15NA	MXZ-8B48NA	377	66*/98

OPTIONAL ACCESSORIES

PART NUMBER	USE WITH	DESCRIPTION
Port Adapters and Connection Pipes		
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"
MSDD-50AR-E	MXZ-Series Branch Box	Tee Distribution Pipe - Flare Connection between two branch boxes
MSDD-50BR-E	MXZ-Series Branch Box	Tee Distribution Pipe - Braze Connection between two branch boxes
PAC-493PI	MXZ-Series	Adapter: 1/4" X 3/8"
PAC-SG76RJ-E	MXZ-Series	Adapter: 3/8" X 5/8"

OPTIONAL ACCESSORIES CONTINUED ON NEXT PAGE

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

OPTIONAL ACCESSORIES (CONTINUED)

PART NUMBER	USE WITH	DESCRIPTION
		Control Options and Accessories
M21 JKO 307	M-Series Indoor Units	Remote temperature sensor for M-Series indoor units
MAC-397IF-E	M-Series INVERTER Units	MA and contact terminal interface - Required to use PAR-21MAA wired, wall mount controller with M-Series Systems
MAC-399IF-E	M-Series INVERTER Units	CMCN M-NET control adapter / Interface for Mr. Slim M-Series MSY/Z, SEZ / MFZ
PAC-YU25HT	SEZ-KD Indoor Units	External Fan / Heater control relay adapter
PAR-21MAA-G	Use with P-Series, SEZ and for wired M-Series Controller	Deluxe MA remote controller (Requires MAC-397IF-E for use with M-Series - MSY/Z, MFZ)
PAR-FL32MA	SEZ	Wireless remote controller for SEZ units (Requires signal receiver PAR-SA9FA-E)
PAR-SA9CA-E	SEZ	Wireless signal receiver for SEZ
TAZ-MS303	M-Series	3-pole disconnect switch; 30A, 600V; turns off power between indoor and outdoor units - mounts in 2 X 4 utility box and requires standard single gang switch plate/cover
		Low Ambient
ICM-326HM-2	M-Series Non-INVERTER units	Low ambient head pressure controller
MAC-640BH-U	MUZ-GE09/12/15, MUZ-FE09/12, SUZ-KD09/12/15 outdoor unit	Drain pan heater
MAC-641BH-U	MUZ-GE18, SUZ-KD18 outdoor unit	Drain pan heater
		Filters
MAC-1415FT-E	MSZ/MSY-D30/36	Anti-allergy enzyme filter
MAC-2300FT	MSY/MSZ-GA24	Anti-allergy enzyme filter
MAC-308FT	MSZ-FD9/12 / FE09/12	Platinum deodorizing filter
MAC-408FT-E	M-Series Indoor Unit - GE09/GE12/GE15/GE18	Anti-allergy enzyme filter
MAC-415FT-E	MFZ-KA	Air Cleaning Filter/Anti-Allergy Enzyme Filter
MAC-418FT	MSZ- FD9/12 / FE09/12	Anti-allergy enzyme filter
		Filter Boxes
FBL1-1	FB Series Filter Box for SEZ-KD09NA	Optional filter box with MERV 8 filters
FBL1-2	FB Series Filter Box for SEZ-KD12/15NA, and PEA-A12AA	Optional filter box with MERV 8 filters
FBL1-3	FB Series Filter Box for SEZ-KD18NA	Optional filter box with MERV 8 filters
		Pumps
SI1730-230	MSY/Z - 30,000 Btu/h or greater	Sauermann mini condensation pump: 230V
SI3100-115	MS-Series - non-INVERTER	Sauermann mini condensation pump: 115V
SI3100-230	MSY/Z - Less than 30,000 Btu/h	Sauermann mini condensation pump: 230V
		Miscellaneous
BRP-1	Bottom Return Plate for SEZ-KD09NA	Converts low profile ducted indoor unit from rear return to bottom return
BRP-2	Bottom Return Plate for SEZ-KD12,KD15-NA	Converts low profile ducted indoor unit from rear return to bottom return
BRP-3	Bottom Return Plate for SEZ-KD18NA	Converts low profile ducted indoor unit from rear return to bottom return
BV12FSI	Use with any Mr. Slim multi-zone product	Refrigeration Ball Valve-Flare/Schrader®/Insulated - 1/2"
BV14FSI	Use with any Mr. Slim multi-zone product	Refrigeration Ball Valve-Flare/Schrader/Insulated - 1/4"
BV38FSI	Use with any Mr. Slim multi-zone product	Refrigeration Ball Valve-Flare/Schrader/Insulated - 3/8"
BV58FSI	Use with any Mr. Slim multi-zone product	Refrigeration Ball Valve-Flare/Schrader/Insulated - 5/8"
CWMB1	MU and PU outdoor units	Condensing unit wall mounting brackets (set of 2) - 440 lb. capacity: painted steel NOTE: Installer is responsible to select and provide suitable hardware and materials to insure proper mount of bracket to wall
DSD-400N	M-Series	DiamondBack™ Platform Stands
MAC-811DS	MUZ-GE18 / MUZ(Y)-D30/36 / SUZ-KA18	Drain socket assembly
MAC-851DS	MUZ-FD09/12	Drain socket
MAC-855SG	M-Series	Air outlet guide
MAC-856SG	M-Series	Air outlet guide - MXZ-3B24 / 3B30 / 4B36 NA
MAC-860DS	MUZ-GE09/12/15 / MUZ-FE09/12	Drain socket
MAC-889SG	M-Series	Air outlet guide- MXZ-2B20NA
MAC-899SG	M-Series	Air outlet guide
PAC-SG59SG-E	MXZ-8B48NA	Air outlet guide (1 piece) / MXZ-8B48NA (Requires 2 pieces)
PAC-SG61DS-E	MXZ-8B48NA	Drain socket - connector
PAC-SG64DP-E	MXZ-8B48NA	Drain pan
RCMKP1CB	M-Series Wireless	Lockdown bracket for remote controller
ULTRILITE1	All M-Series	Condensing unit mounting pad: 16" x 36" x 3"

MXZ-B Series Port Adapter chart

Combinations	Port Adapter Required	Unit Port Size
MXZ-2B20NA-1		
2-zone combinations w/ both units ≤12K	N/A	A: 3/8" x 1/4"
6+15	1-MAC-A454JP-E	B: 3/8" x 1/4"
9+15	1-MAC-A454JP-E	
MXZ-3B24NA		
All rated 2-zone combinations	N/A	A: 1/2" x 1/4"
All rated 3-zone combinations	N/A	B: 3/8" x 1/4"
		C: 3/8" x 1/4"
MXZ-3B30NA		
2-zone combinations w/ at least one unit ≤12K	N/A	A: 1/2" x 1/4"
2-zone combinations w/ both units ≥15K	1-MAC-A454JP-E	B: 3/8" x 1/4"
9 + 24	1-MAC-A456JP-E	C: 3/8" x 1/4"
3-zone combinations w/ all units ≤12K	1-MAC-A455JP-E	
All other rated 3-zone comb.	N/A	
MXZ-4B36NA		
2-zone combinations w/ at least one unit ≤12K	N/A	A: 1/2" x 1/4"
2-zone combinations w/ both units ≥15K	1-MAC-A454JP-E	B: 3/8" x 1/4"
6 + 24	1-MAC-A456JP-E	C: 3/8" x 1/4"
9 + 24	1-MAC-A456JP-E	D: 3/8" x 1/4"
3-zone combinations w/ at least two units ≤12K	N/A	
3-zone combinations w/ two units ≥15K	1-MAC-A454JP-E	
6+6+24 or 6+9+24	1-MAC-A456JP-E	
9+9+24	1-MAC-A456JP-E	
4-zone combinations w/ at least three units ≤12K	1-MAC-A455JP-E	
6+6+15+15	1-MAC-A454JP-E	
6+6+15+15	1-MAC-A454JP-E	

Note: When using the PLA-A24BA, PCA-A24KA, or PEAD-A24AA two port adapter will be needed: 1-MAC-A456JP-E (1/2" x 5/8") A port or 1-PAC-SG76RJ-E (3/8" x 5/8") B, C, and D ports, and 1-PAC493PI (1/4" x 3/8")

Combinations	Port Adapter Required			
MXZ-8B48NA	Qty.	With 3-Port Branch Box	Qty.	With 5-Port Branch Box
2-zone combinations w/ both units ≤12K	-	N/A	-	N/A
2-zone combinations w/ one unit ≥15K	1	1-MAC-A454JP-E	-	N/A
2-zone combinations w/ both units ≥12K	2	1-MAC-A454JP-E	1	1-MAC-A454JP-E
6+24, 9+24 or 12+24	1	1-PAC-SG76RJ-E	1	1-PAC-SG76RJ-E
15+24 or 18+24	1	1-MAC-A454JP-E	1	1-PAC-SG76RJ-E
	1	1-PAC-SG76RJ-E		
24+24	2	1-PAC-SG76RJ-E	2	1-PAC-SG76RJ-E
3-zone combinations w/ all units ≤12K	-	N/A	1	N/A
3-zone combinations w/ two units ≤12K	1	1-MAC-A454JP-E	1	N/A
3-zone combinations w/ two units ≥15K	2	1-MAC-A454JP-E	1	1-MAC-A454JP-E
3-zone combinations w/ all units ≥15K	3	1-MAC-A454JP-E	2	1-MAC-A454JP-E
6+6+24, 6+9+24, 6+12+24, 9+9+24, 9+12+24 or 12+12+24	1	1-PAC-SG76RJ-E	1	1-PAC-SG76RJ-E
6+15+24, 6+18+24, 9+15+24, 9+18+24, 12+15+24 or 12+18+24	1	1-MAC-A454JP-E	1	1-PAC-SG76RJ-E
	1	1-PAC-SG76RJ-E		
15+15+24, 15+18+24 or 18+18+24	2	1-MAC-A454JP-E	1	1-MAC-A454JP-E
	1	1-PAC-SG76RJ-E	1	1-PAC-SG76RJ-E
6+24+24, 9+24+24 or 12+24+24	2	1-PAC-SG76RJ-E	2	1-PAC-SG76RJ-E
15+24+24 or 18+24+24	1	1-MAC-A454JP-E	2	1-PAC-SG76RJ-E
	2	1-PAC-SG76RJ-E		
Combinations of 4 or more zones	1	See notes for application below	1	See notes for application below

MXZ-8B48NA	
Branch Box	Branch Box
PAC-AKA31BC	PAC-AKA51BC
PORT A = 3/8" gas x 1/4" liquid	PORT A = 3/8" gas x 1/4" liquid
PORT B = 3/8" gas x 1/4" liquid	PORT B = 3/8" gas x 1/4" liquid
PORT C = 3/8" gas x 1/4" liquid	PORT C = 3/8" gas x 1/4" liquid
	PORT D = 3/8" gas x 1/4" liquid
	PORT E = 1/2" gas x 1/4" liquid

Notes for application:

- Check the lineset sizes for your indoor selected models.
- Select the branch box or boxes needed for your application.
- Compare indoor unit lineset sizes as compared to branch box sizes.
- Connect 15K + indoor units to the larger port on the (PAC-AKA51BC).
- Adapt lineset size with appropriate port adapter from above list.
- When using the PLA-A24BA or PEAD-A24AA, two port adapter will be needed: 1-MAC-A456JP-E (1/2" x 5/8") or 1-PAC-SG76RJ-E (3/8" x 5/8") and 1-PAC493PI (1/4" x 3/8").

Available Indoor Units	Line set size
Wall-Mounted	
MSZ-GE06/09/12NA	3/8" gas x 1/4" liquid
MSZ-GE15/18NA	1/2" gas x 1/4" liquid
MSZ-GE-24NA	5/8" gas x 3/8" liquid
MSZ-FE09/12/18NA	5/8" gas x 3/8" liquid
Floor-Standing	
MFZ-KA09/12NA	3/8" gas x 1/4" liquid
MFZ-KA18NA	1/2" gas x 1/4" liquid
PLA Ceiling-Cassette	
PLA-A12/18BA	1/2" gas x 1/4" liquid
PLA-A24BA	5/8" gas x 3/8" liquid
Horizontal Ducted	
SEZ-KD09/12NA	3/8" gas x 1/4" liquid
SEZ-KD15/18NA	1/2" gas x 1/4" liquid
PEAD-A24AA	5/8" gas x 3/8" liquid

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.

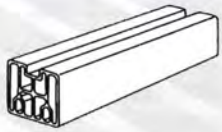
DIAMONDBACK™ Platform Stands

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″

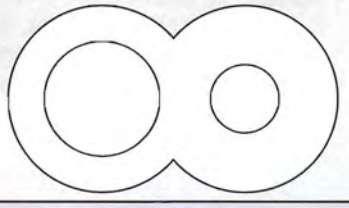


DIAMONDBACK™ LINESETS

Lineset Model Number	Tube Size (In.)	Length Ft.	Insul.
MLS143812T-15	1/4 x 3/8	15	1/2"
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"
MLS141212T-30	1/4 x 1/2	30	1/2"
MLS141212T-50	1/4 x 1/2	50	1/2"
MLS141212T-65	1/4 x 1/2	65	1/2"
MLS141212T-100	1/4 x 1/2	100	1/2"
MLS145812T-15	1/4 x 5/8	15	1/2"
MLS145812T-30	1/4 x 5/8	30	1/2"
MLS145812T-50	1/4 x 5/8	50	1/2"
MLS145812T-65	1/4 x 5/8	65	1/2"
MLS145812T-100	1/4 x 5/8	100	1/2"
MPLS385812T-10	3/8 x 5/8	10	1/2"
MPLS385812T-15	3/8 x 5/8	15	1/2"
MPLS385812T-30	3/8 x 5/8	30	1/2"
MPLS385812T-50	3/8 x 5/8	50	1/2"
MPLS385812T-65	3/8 x 5/8	65	1/2"
MPLS385812T-100	3/8 x 5/8	100	1/2"

"Twin-Tube" Lineset Insulation Design

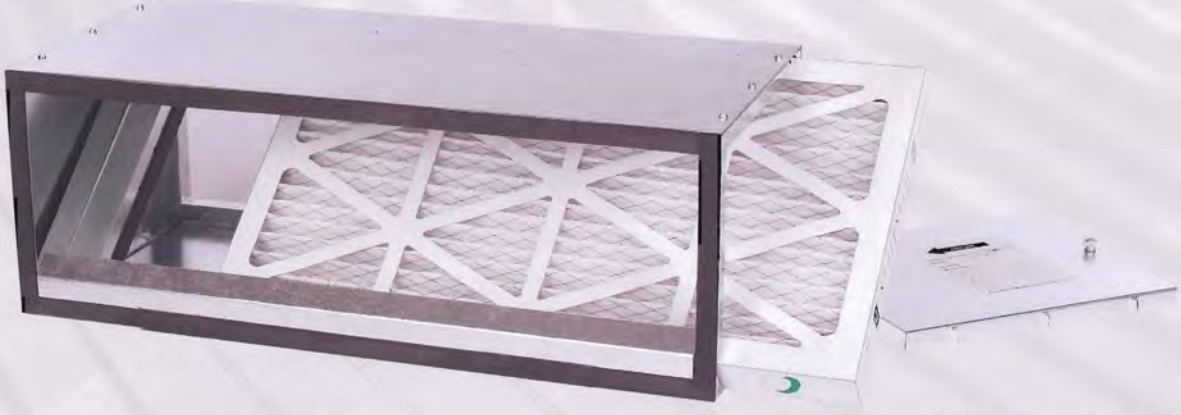
- Balanced outside diameter for uniform coil/uncoil position stability.
- Minimum 1/2" insulation thickness on both tubes



Diamondback Advantages include the following features:

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

Filter Boxes



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

FBL1-1	FB Series Filter Box for SEZ-KD09NA
FBL1-2	FB Series Filter Box for SEZ-KD12,KD15-NA
FBL1-3	FB Series Filter Box for SEZ-KD18NA

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

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

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

LINE-HIDE™

Lineset Cover System

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

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

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

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VRF|TECHNOLOGY

MITSUBISHI ELECTRIC
Cooling and Heating Solutions

Variable Refrigerant Flow

Zoning Systems: 3-30 Tons



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MITSUBISHI ELECTRIC

Cooling and Heating Solutions

Mitsubishi Electric Advanced Products Division
3400 Lawrenceville Suwanee Road, Suwanee, GA 30024
Phone: 888-467-7546 Fax: 800-658-1458

See complete warranty for terms, conditions and limitations.
A copy is available from Mitsubishi Electric.

Form No. MSERIES 3-11 50K OA

For more information visit **www.mitsubishicomfort.com**

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