

## H2i<sup>®</sup> MXZ MULTI-ZONE SYSTEMS



**M-SERIES HIGH PERFORMANCE  
HYPER-HEATING MULTI-ZONE SYSTEMS**

## M-SERIES HIGH PERFORMANCE SYSTEMS

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Heat pumps are now a realistic option for any home, in any climate. The H2i® MXZ family of Hyper-Heating INVERTER™ residential systems offer year-round, high-efficiency heating and cooling for a variety of rooms, including bedrooms, basements, sunrooms and more. A variety of indoor units provide zone comfort control while the INVERTER-driven compressor and electric LEVs in the outdoor units provide closer control and higher efficiency with minimal power usage.

### **H2i MXZ High Efficiency Heat Pumps | 12,600 - 48,000 Btu/h Capacity Range | 2-8 Zones**

- ▶ 19.1 - 17.0 SEER, 11.3 - 9.8 HSPF, INVERTER-driven compressor.
- ▶ Quiet outdoor unit operation as low as 49 dB(A).
- ▶ Hyper-heating performance down to minus 13 degrees F outdoor ambient.
- ▶ 100% heating capacity at 5 degrees F outdoor ambient.
- ▶ Factory installed base heater
  - Prevents ice build up in extreme environments.
  - Active during defrost cycle.
- ▶ Optional M-NET adapter
  - Quickly integrate advance controllers.

## ENERGY EFFICIENT AND ENVIRONMENTALLY FRIENDLY

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M-Series systems utilize green technologies, and are much more efficient, so homeowners never have to sacrifice comfort over concerns about high-energy costs.

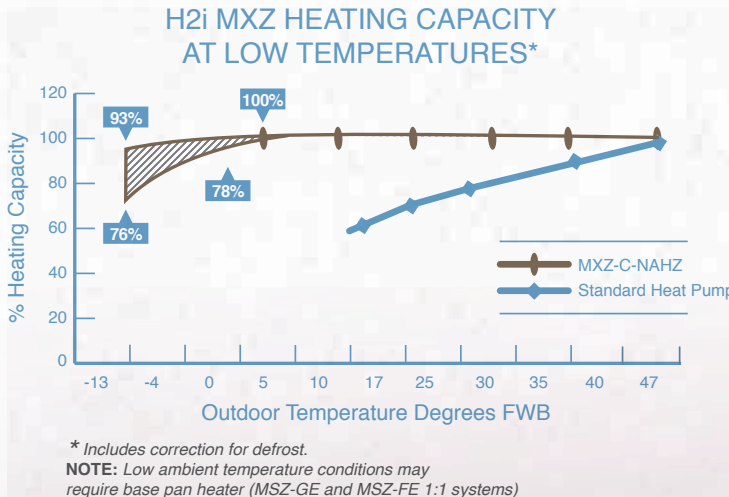
- ▶ INVERTER-driven technology results in substantial energy and utility savings for homeowners.
- ▶ Zone control for improved comfort and decreased energy usage.
- ▶ All H2i MXZ Systems are ENERGY STAR® rated.
- ▶ Local and state utility rebates and incentive opportunities (Visit [dsireusa.org](http://dsireusa.org) for information on availability in your area).

# HEAT, AND LOTS OF IT



Mitsubishi Electric systems feature the most advanced technology for delivering exceptional heat pump performance.

## H2i® TECHNOLOGY



**HEATING** even when it's minus 13 degrees F outdoor ambient, producing up to 100% heating capacity at 5 degrees F.

**YEAR-ROUND COMFORT** in extreme climates without the need for energy-consuming indoor supplemental heating devices in many cases.

**HOT-START TECHNOLOGY** provides warmth from the start, reducing drafts.

**MINIMAL MAINTENANCE** thanks to easily accessible filters, little or no ductwork to clean, and simple wiring between the indoor and outdoor units.

MULTI-ZONE OUTDOOR UNIT		BRANCH BOX	INDOOR UNIT								
			MSZ-FH	MSZ-GE	MFZ-KA	MVZ	SEZ-KD	SLZ	PCA	PLA	PEAD
HYPERHEATING EQUIPMENT	MXZ-2C20NAHZ	—	9,12,15 ✓ 18	6,9,12,15 ✓, 18,24*	9,12 ✓ 18*	12 ✓	9,12,15 ✓ 18*	✓	X	X	X
	MXZ-3C24NAHZ	—	✓	6,9,12,15,18 ✓, 24*	✓	12,18 24,30,36*	✓	✓	X	18 ✓, 24,12*	X
	MXZ-3C30NAHZ	—	✓	✓	✓	12,18,24, 30,36*	✓	✓	24	18,24 ✓, 30,36	24 ✓
	MXZ-4C36NAHZ	✓	✓	✓	✓	✓	✓	✓	X	12,18,24 ✓, 30,36	24,30 ✓, 36*
	MXZ-5C42NAHZ	✓	✓	✓	✓	✓	✓	✓	X	12,18,24 ✓, 30,36	24,30 ✓, 36*
	MXZ-8C48NAHZ	✓	✓	✓	✓	✓	✓	✓	X	12,18,24 ✓, 30,36	24,30 ✓, 36*

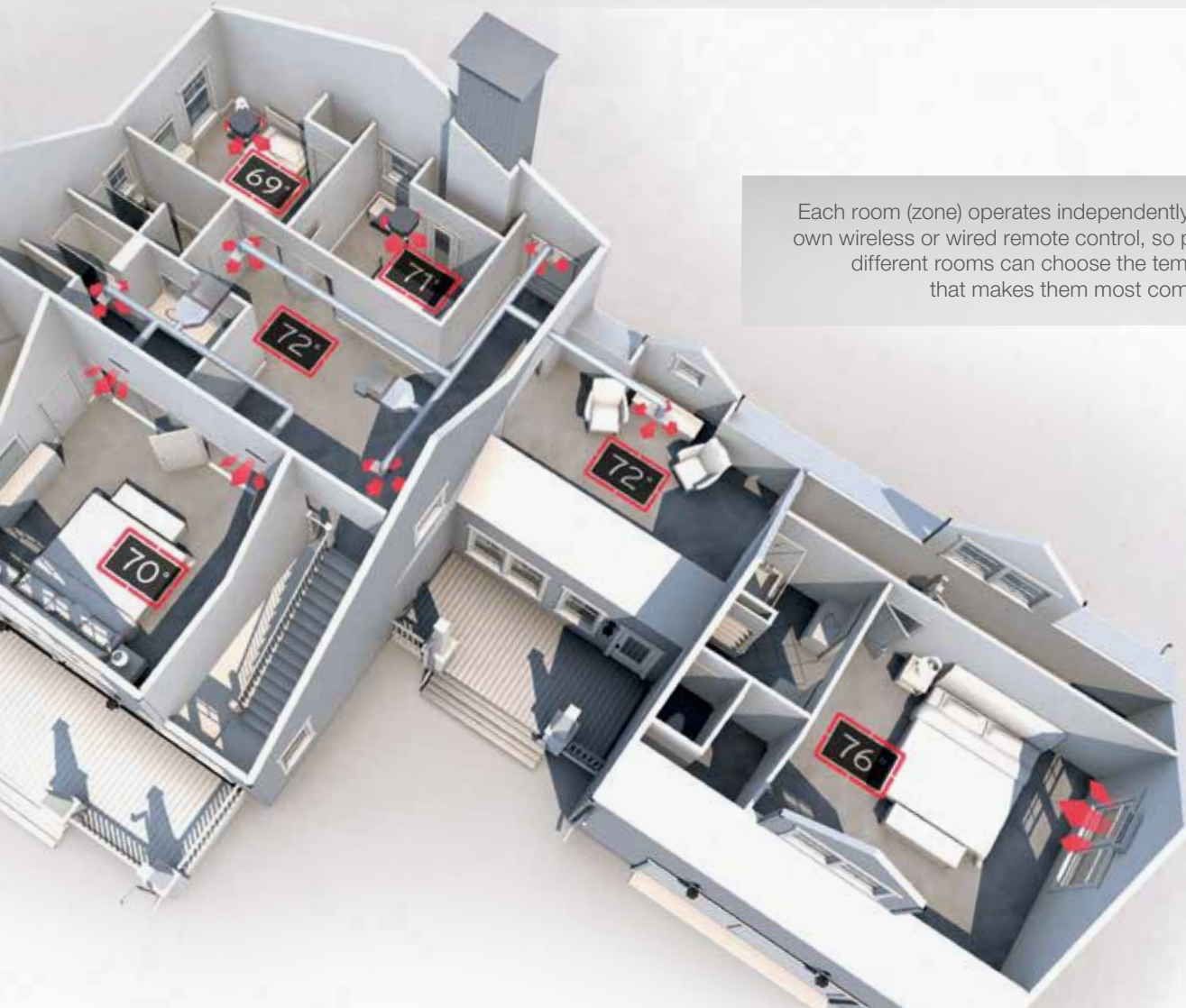
✓ COMPATIBLE  
 X NOT COMPATIBLE





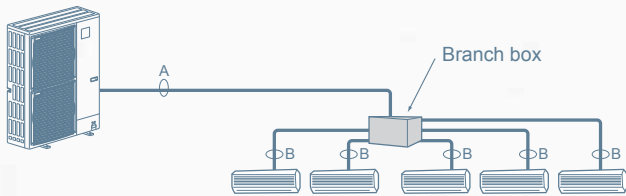
## MULTI-ZONE APPLICATIONS

New hyper-heating multi-zone units allow you to create an oasis of comfort throughout your entire home in the rooms you use most, any time of the year.



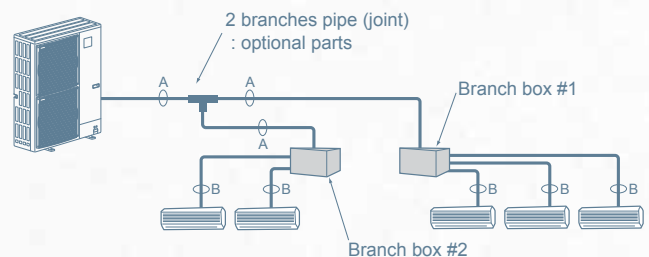
Each room (zone) operates independently with its own wireless or wired remote control, so people in different rooms can choose the temperature that makes them most comfortable.

### BRANCH BOX CONNECTIONS



When Using Two Branch Boxes  
- Max. 8 indoor units

When Using One Branch Box  
Flare Connection - Max. 5 indoor units





### MSZ-FH09, 12, 15NA

New sleek design offers many new features including new multi-functional wireless remote controller.

- ▶ Triple-action filtration including anti-allergen enzyme filter.
- ▶ Double-vane air delivery for enhanced circulation.
- ▶ i-see Sensor™ 3D senses human heat signatures.



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

Slim, wall-mounted units provide individual room control in a variety of applications.

- ▶ Offers wide angle of airflow, 150 degrees from left to right.
- ▶ Quiet operation as low as 19 dB(A).
- ▶ Provides cooling and heating in a wide range of capacities.



### MFZ-KA09, 12, 18NA

Floor-mounted indoor units are perfect for difficult areas that may be smaller or don't have usable wall space.

- ▶ Top and bottom discharge vanes.
- ▶ Wireless remote control with smart set feature.
- ▶ Front panel filter access for ease of cleaning.



### SEZ-KD09, 12, 15, 18NA

Horizontal-ducted indoor units provide comfort and efficiency while staying hidden in ceiling or beneath the floor.

- ▶ Build-in condensate lift mechanism (up to 22").
- ▶ Static capability up to 0.20" WG.
- ▶ Optional filter box with MERV-8 filters.



### SLZ-KA09, 12, 15NA

Ceiling-recessed indoor units offer a wide airflow pattern for better air distribution in a less obtrusive style.

- ▶ Ventilation air knockouts available.
- ▶ Offers multiple airflow options.
- ▶ Built-in condensate lift mechanism (up to 20").



### MVZ-A12, 18, 24, 30, 36AA4

Multi-position ducted units for larger zones or entire floor, install in tight spaces.

- ▶ One inch foam R4.2, fiberglass-free insulation.
- ▶ Durable, powder coated cabinet, quiet and efficient DC motor.
- ▶ Easily removable fan provides access for coil cleaning.
- ▶ Static capability up to 0.80" WG.



Model Name			MXZ-2C20NAHZ	MXZ-3C24NAHZ	MXZ-3C30NAHZ
Cooling *1 Non-Ducted/ Ducted	Rated Capacity	Btu/h	18,000 / 20,000	22,000 / 23,600	28,400 / 27,400
	Capacity Range	Btu/h	6,000-20,000	6,000-23,600	6,000- 28,400
	Rated Total Input	W	1,334 / 1,819	1,630 / 2,360	2,272 / 2,661
Heating at 47° F *2 (Non-Ducted/ Ducted)	Rated Capacity	Btu/h	22,000 / 22,000	25,000 / 24,600	28,600 / 27,600
	Capacity Range	Btu/h	7,400-25,500	7,200-30,600	7,200-36,000
	Rated Total Input	W	1,612 / 1,748	1,725 / 1,871	2,096 / 2,187
Heating at 17° F *3 (Non-Ducted/ Ducted)	Rated Capacity	Btu/h	13,700 / 13,700	14,000 / 14,000	18,000 / 17,000
	Maximum Capacity	Btu/h	22,000 / 22,000	25,000 / 24,600	28,600 / 27,600
	Rated Total Input	W	1,450 / 1,588	1,622 / 1,635	1,991 / 1,993
Heating at 5° F	Maximum Capacity	Btu/h	22,000	25,000	28,600
Efficiency	SEER (Non-Ducted/Ducted)		17.0 / 15.0	19.0 / 15.5	18.0 / 16.0
	EER (Non-Ducted/Ducted)		13.5 / 11.0	13.5 / 10.0	12.5 / 10.3
	HSPF (Non-Ducted/Ducted)		9.8 / 9.5	10.0 / 9.0	11.0 / 9.8
Electrical Requirements	Power Supply	V, Ph, Hz	208 / 230V,1-Phase, 60 Hz		
	Recommended Fuse/Breaker Size	A	40	40	40
	MCA	A	29	30	30
Voltage	Indoor - Outdoor S1-S2	V	AC 208 / 230		
	Indoor - Outdoor S2-S3	V	DC ± 24		
Compressor			DC INVERTER - driven Twin Rotary		
Fan Motor (ECM)		FLA	1.9	1.9	1.9
Sound Pressure Level	Cooling *1	dB(A)	54	54	54
	Heating *2		58	58	58
External Dimensions (H x W x D)		In / mm	41-9/32 x 37-13/32 x 13		
Net Weight		Lbs / kg	187 / 85	189 / 86	189 / 86
External Finish			Munsell No. 3Y 7.8/11		
Refrigerant Pipe Size O.D.	Liquid (High Pressure)	In / mm	1/4 / 6.35		
	Gas (Low Pressure)		A,B: 3/8 / 9.52	A: 1/2 / 12.7; B,C: 3/8 / 9.52	
Max. Piping Length for Each Indoor Unit		Ft / m	82 / 25	82 / 25	
Max. Refrigerant line Length			164 / 50	230 / 70	
Max. Refrigerant Pipe Height Difference	If IDU is Above ODU	Ft / m	49 / 15	49 / 15	
	If IDU is Below ODU	Ft / m	49 / 15	49 / 15	
Connection Method			Flared / Flared		
Refrigerant			R410A		

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). LIMITED WARRANTY | Seven-year warranty on compressor. Five-year warranty on parts. Specifications are subject to change without notice.



Model Name			MXZ-4C36NAHZ*	MXZ-5C42NAHZ*	MXZ-8C48NAHZ*
Cooling*1 Non-Ducted/ Ducted	Rated Capacity	Btu/h	36,000 / 36,000	42,000 / 42,000	48,000 / 48,000
	Capacity Range	Btu/h	6,000-36,000	6,000-42,000	6,000-48,000
	Rated Total Input	W	2,570 / 3,180	3,130 / 3,890	4,000 / 5,050
Heating at 47° F *2 (Non-Ducted/ Ducted)	Rated Capacity	Btu/h	45,000 / 45,000	48,000 / 48,000	54,000 / 54,000
	Capacity Range	Btu/h	7,200-45,000	7,200-48,000	7,200-54,000
	Rated Total Input	W	3,340 / 4,250	3,430 / 4,350	4,220 / 4,990
Heating at 17° F *3 (Non-Ducted/ Ducted)	Rated Capacity	Btu/h	34,000 / 36,000	35,800 / 36,600	40,000 / 43,000
	Maximum Capacity	Btu/h	45,000 / 45,000	48,000 / 48,000	54,000 / 54,000
	Rated Total Input	W	3,500 / 4,590	3,650 / 4,290	4,340 / 5,250
Heating at 5° F	Maximum Capacity	Btu/h	45,000	48,000	54,000
Efficiency	SEER (Non-Ducted/Ducted)		19.1 / 15.8	19.0 / 15.0	18.9 / 14.7
	EER (Non-Ducted/Ducted)		14 / 11.3	13.4 / 10.8	12.0 / 9.5
	HSPF (Non-Ducted/Ducted)		11.3 / 10.1	11.0 / 10.1	11.0 / 10.0
Electrical Requirements	Power Supply	V, Ph, Hz	208 / 230V, 1-Phase, 60 Hz		
	Recommended Fuse/Breaker Size	A	50	50	50
	MCA	A	42	42	42
Voltage	Indoor-Outdoor S1-S2	V	AC 208 / 230		
	Indoor-Outdoor S2-S3	V	DC ± 24		
Compressor			Hermetic		
Fan Motor (ECM)		FLA	0.4 + 0.4		
Sound Pressure Level	Cooling*1	dB(A)	49	50	51
	Heating*2		53	54	54
External Dimensions (H x W x D)		In / mm	52-11/16 x 41-11/32 x 13(+1)		
Net Weight		Lbs / kg	276 / 125		
External Finish			Munsell No. 3Y 7.8/11		
Refrigerant Pipe Size O.D.	Liquid (High Pressure)	In / mm	3/8 / 9.52		
	Gas (Low Pressure)		5/8 / 15.88		
Max. Refrigerant line Length		Ft / m	492 / 150		
Max. Piping Length for Each Indoor Unit			262 / 80		
Max. Refrigerant Pipe Height Difference	If IDU is Above ODU	Ft / m	131 / 50		
	If IDU is Below ODU	Ft / m	164 / 40		
Connection Method			Flared / Flared		
Refrigerant			R410A		

Model Name			PAC-MKA30BC	PAC-MKA50BC	
Connectible No. of Indoor Units			3	5	
Power Supply	Phase, Cycle, Voltage		1-Phase, 60 Hz, 208 / 230V		
Power Input		W	3		
Current		A	0.05		
External Finish			Galvanized Sheets		
Dimensions	Width	In	17-23/32		
	Depth	In	11-1/32		
	Height	In	6-11/16		
Net Weight		Lbs	15	16	
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	

Specifications are subject to change without notice. \*Models MXZ-4C36NAHZ, MXZ-5C42NAHZ and MXZ-8C48NAHZ require branch box for operation.





COOLING & HEATING

# THE MITSUBISHI ELECTRIC H2i® FAMILY

BECOMING THE NEW NORMAL, BY PROVIDING EXCEPTIONAL YEAR-ROUND COMFORT EVEN IN EXTREME CLIMATES FOR RESIDENTIAL AND COMMERCIAL APPLICATIONS.



H2i P-Series, single-zone

H2i CITY MULTI, VRF multi-zone

H2i MXZ-Series, multi-zone

H2i MXZ-Series, multi-zone

H2i M-Series, single-zone

## MITSUBISHI ELECTRIC H2i® PRODUCTS PROVIDE:

- Superior heating performance.
  - 100% heating capacity at between 0° F and 5° F outdoor ambient.
  - Up to 93% heating capacity heating performance down to -13° F outdoor ambient.
  - Simultaneous heating and cooling down to -4° F outdoor ambient (R2-Series only, two-pipe design).
- Most complete family of hyper-heating, cold climate products from single-zone (9KBtu/h) to VRF multi-zone systems (up to 16 tons).
- Built-in base pan heater (Select models only).
- FH wall-mounted ductless units offer i-see Sensor™ 3D.

MAKE COMFORT Personal™

For more information, visit [www.mitsubishi-pro.com](http://www.mitsubishi-pro.com)

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