COOL

Reviewed for Code Compliance
Inspections Division
Approved with Conditions

Date: 05/18/15

MXZ H2i® MULTI-ZONE SYSTEMS

MXZ-4C36/5C42/8C48NAHZ

MXZ-2C20/3C24/3C30NAHZ

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

©2014 MITSUBISHI ELECTRIC US, INC.

Reviewed for Code Compliance
Inspections Division
Approved with Conditions

Date: 05/18/15

M-SERIES HIGH PERFORMANCE SYSTEMS

Heat pumps are now a realistic option for ar climate. The MXZ H2i® family of Hyper-Heat 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.

MXZ H2i 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

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 MXZ H2i Systems are ENERGY STAR® rated.
- Local and state utility rebates and incentive opportunities (Visit dsireusa.org for information on availability in your area).

HEAT, AND LOTS OF IT

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

Reviewed for Code Compliance
Inspections Division
Approved with Conditions
Date: 05/18/15

H2i® TECHNOLOGY

* *Includes correction for defrost.*

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.

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
Hyper-heating Equipment	MXZ-2C20NAHZ	–	9, 12, 15 ✓ 18 ×	6, 9, 12, 15 ✓ 18, 24 ×	9, 12 ✓ 18 ×	12 ✓	9, 12, 15 ✓ 18 ×	✓	×	×	×
	MXZ-3C24NAHZ	–	✓	6, 9, 12, 15, 18 ✓ 24 ×	✓	12, 18 ✓ 24, 30, 36 ×	✓	✓	×	18 ✓ 12, 24 ×	×
	MXZ-3C30NAHZ	–	✓	✓	✓	12, 18, 24 ✓ 30, 36 ×	✓	✓	24 ✓	18, 24 ✓ 12 ×	24 ✓
	MXZ-4C36NAHZ	✓	✓	✓	✓	✓	✓	✓	×	12, 18, 24, 30, 36 ✓	24, 30, 36 ✓
	MXZ-5C42NAHZ	✓	✓	✓	✓	✓	✓	✓	×	12, 18, 24, 30, 36 ✓	24, 30, 36 ✓
	MXZ-8C48NAHZ	✓	✓	✓	✓	✓	✓	✓	×	12, 18, 24, 30, 36 ✓	24, 30, 36 ✓

✓ COMPATIBLE × NOT COMPATIBLE

MULTI-ZONE APPLICATIONS

RESURGAM CITY OF PORTLAND, MAINE
Reviewed for Code Compliance
Inspections Division
Approved with Conditions
Date: 05/18/15

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

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

Indoor Units

RESURGAM CITY OF PORTLAND, MAINE
Reviewed for Code Compliance
Inspections Division
Approved with Conditions
Date: 05/18/15

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-GE09, 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 a 2, 3, or 4 way airflow pattern.
- Built-in condensate lift mechanism (up to 20").

BRANCH BOX CONNECTIONS

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

When Using Two Branch Boxes
- Max. 8 indoor units

Reviewed for Code Compliance
Inspections Division
Approved with Conditions

Date: 05/18/15

Model Name			MXZ-2C20NAHZ	MXZ-3C24NAHZ	MXZ-3C3	
Cooling * Non-Ducted/ Ducted	Rated Capacity	Btu/h	18,000 / 20,000	22,000 / 23,600	28,400 /	
	Capacity Range	Btu/h	6,000- 20,000	6,000- 23,600	6,000- 28	
	Rated Total Input	W	1,334 / 1,819	1,630 / 2,360	2,272 /	
Heating at 47F* (Non-Ducted/ Ducted)	Rated Capacity	Btu/h	22,000 / 22,000	25,000 / 24,600	28,600 /	
	Capacity Range	Btu/h	7,400- 25,500	7,200- 30,600	7,200- 36,000	7,200- 45,000
	Rated Total Input	W	1,612 / 1,748	1,725 / 1,871	2,096 / 2,187	3,340 / 4,250
Heating at 17F* (Non-Ducted/ Ducted)	Rated Capacity	Btu/h	13,700 / 13,700	14,000 / 14,000	18,000 / 16,500	34,000 / 36,000
	Maximum Capacity	Btu/h	22,000 / 22,000	25,000 / 24,600	28,600 / 27,600	45,000 / 45,000
	Rated Total Input	W	1,450 / 1,588	1,622 / 1,635	1,991 / 1,993	3,500 / 4,590
Heating at 5F*	Maximum Capacity	Btu/h	22,000	25,000	28,600	45,000
Efficiency	SEER (Non-Ducted/Ducted)		17.0 / 15.0	19.0 / 15.5	18.0 / 16.0	19.1 / 15.8
	EER (Non-Ducted/Ducted)		13.5 / 11.0	13.5 / 10.0	12.5 / 10.3	14.0 / 11.3
	HSPF (Non-Ducted/Ducted)		9.8 / 9.5	10.0 / 9.0	11.0 / 9.8	11.3 / 10.1
Electrical Requirements	Power Supply	V, Ph, Hz	208 / 230V,1-Phase, 60 Hz			
	Recommended Fuse/Breaker Size	A	40	40	40	50
	MCA	A	29	30	30	42
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	0.4 + 0.4
Sound Pressure Level	Cooling	dB(A)	54	54	54	49
	Heating		58	58	58	53
External Dimensions (H x W x D)		In / mm	41-9/32 x 37-13/32 x 13			52-11/16 x 41-11/32 x 13(+1)
Net Weight		Lbs / kg	187 / 85	189 / 86	189 / 86	276 / 125
External Finish			Munsell No. 3Y 7.8/11			
Refrigerant Pipe Size O.D.	Liquid (High Pressure)	In / mm	1/4 / 6.35			3/8 / 9.52
	Gas (Low Pressure)		A,B: 3/8 / 9.52	A: 1/2 / 12.7; B,C: 3/8 / 9.52		5/8 / 15.88
Max. Piping Length for Each Indoor Unit		Ft / m	164 / 50	230 / 70		492 / 150
Max. Refrigerant line Length			82 / 25	82 / 25		262 / 80
Max. Refrigerant Pipe Height Difference	If IDU is Above ODU	Ft / m	49 / 15	49 / 15		164 / 50
	If IDU is Below ODU	Ft / m	49 / 15	49 / 15		131 / 40
Connection Method			Flared / Flared			
Refrigerant			R410A			

Specifications are subject to change without notice.

Reviewed for Code Compliance
Inspections Division
Approved with Conditions

Date: 05/18/15

Model Name			MXZ-5C42NAHZ	
Cooling * Non-Ducted/ Ducted	Rated Capacity	Btu/h	42,000 / 42,000	
	Capacity Range	Btu/h	6,000-42,000	
	Rated Total Input	W	3,130 / 3,890	
Heating at 47F* (Non-Ducted/ Ducted)	Rated Capacity	Btu/h	48,000 / 48,000	
	Capacity Range	Btu/h	7,200-42,000	
	Rated Total Input	W	3,430 / 4,350	4,220 / 4,990
Heating at 17F* (Non-Ducted/ Ducted)	Rated Capacity	Btu/h	35,800 / 36,600	40,000 / 43,000
	Maximum Capacity	Btu/h	48,000 / 48,000	54,000 / 54,000
	Rated Total Input	W	3,650 / 4,290	4,340 / 5,250
Heating at 5F*	Maximum Capacity	Btu/h	48,000	54,000
Efficiency	SEER (Non-Ducted/Ducted)		19.0 / 15.0	18.9 / 14.7
	EER (Non-Ducted/Ducted)		13.4 / 10.8	12.0 / 9.5
	HSPF (Non-Ducted/Ducted)		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
	MCA	A	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	dB(A)	50	51
	Heating		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	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	164 / 50	
	If IDU is Below ODU	Ft / m	131 / 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: 3/8l E: 1/2
		Liquid (In)	A,B,C: 1/4	A,B,C,D,E: 1/4

Specifications are subject to change without notice.

Reviewed for Code Compliance
Inspections Division
Approved with Conditions

Date: 05/18/15

H2I® TECHNOLOGY FROM MITSUBISHI ELECTRIC

IS BECOMING THE NEW NORMAL, PROVIDING EXCEPTIONAL YEAR-ROUND COMFORT EVEN IN EXTREME CLIMATES.

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.
  - Simultaneous heating and cooling down to -4° F outdoor ambient (R2-Series, two-pipe design).
  - 100% heating capacity at between 0° F and 5° F outdoor ambient.
  - Up to 85% heating capacity heating performance down to -13° F outdoor ambient.
- 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.

For more information, visit www.mehvac.com.

Mitsubishi Electric Cooling & Heating 1340 Satellite Boulevard
Suwanee, GA 30024, Phone: 800-433-4822 Fax: 800-658-1458

Mitsubishi Electric and the three diamond logo are registered trademarks of Mitsubishi Electric Corporation. See complete warranty for terms, conditions and limitations.

MXZH2iRO | Printed In The U.S.A

FSC Mixed Sources
Product group from well-managed forests and other controlled sources
www.fsc.org Cert no. SW-COC-003548
© 1996 Forest Stewardship Council

AHRI CERTIFIED www.ahridirectory.org
Unitary Small HP AHRI Standard 210/240

U.S. GREEN BUILDING COUNCIL MEMBER

ETL LISTED US Intertek