

Energy-Efficient Comfort in Any Climate, Year Round



**M-SERIES HIGH PERFORMANCE
SINGLE-ZONE SYSTEMS**

 **MSZ-FH Single-Zone Hyper
Heat System**

M-SERIES HIGH PERFORMANCE SYSTEMS



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

MSZ/MUZ-FH High Efficiency Heat Pumps | 3,100–25,200 Btu/h Capacity Range

- ▶ 30.5 - 22.0 SEER, 13.5 - 12.0 HSPF, INVERTER-driven compressor.
- ▶ Quiet operation as low as 20 dB(A)
- ▶ Hyper-Heating performance down to minus 13 degrees F outdoor ambient.
- ▶ Quiet operation as low as 20 dB(A)
- ▶ 100% heating capacity at 5 degrees F outdoor ambient.
- ▶ Triple-action filtration.
 - Nano-platinum filter.
 - Electrostatic anti-allergen enzyme filter.
 - Deodorizing filter.
- ▶ Double-vane air delivery for enhanced circulation.
 - Option to set each vane separately.
 - Indirect or direct setting option.
 - Natural flow setting that creates air movement like a natural breeze.
- ▶ i-see Sensor™ 3D.
 - Infrared human sensing technologies to measure location of human heat signatures.
 - Senses floor temperature in order to deliver conditioned air to those areas that need it using double-vane airflow and motorized vertical vanes.
- ▶ NEW multi-function wireless controller.

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 FH Systems are ENERGY STAR® qualified.
- ▶ New Industry leading SEER ratings as high as 33.1 – dramatically better than conventional systems.
- ▶ Local and state utility rebates and incentive opportunities (Visit dsireusa.org for information on availability in your area).
- ▶ Washable filters made from natural materials.

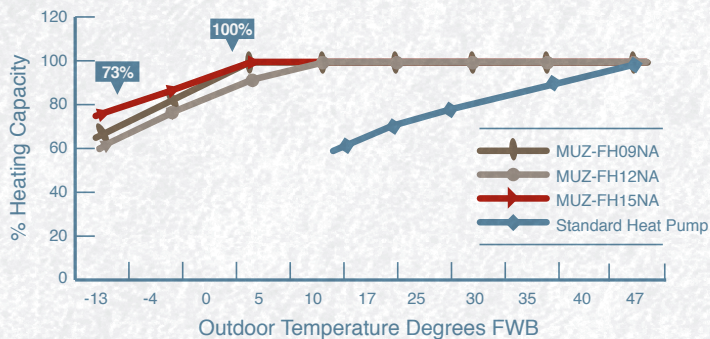
HEAT AND LOTS OF IT



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

H2i® TECHNOLOGY

MUZ-FH H2i HEATING CAPACITY
AT LOW TEMPERATURES*



* Includes correction for defrost.

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



SINGLE-ZONE | MSZ-FH Indoor Unit | Heat Pump



Model Name	Indoor Unit		MSZ-FH06NA	MSZ-FH09NA	MSZ-FH12NA	MSZ-FH15NA	MSZ-FH18NA2
	Outdoor Unit		MUZ-FH06NA	MUZ-FH09NA-1	MUZ-FH12NA-1	MUZ-FH15NA	MUZ-FH18NA2
Cooling *1	Rated Capacity	Btu/h	6,000	9,000	12,000	15,000	17,200
	Capacity Range	Btu/h	1,700 - 9,000	1,700-12,000	2,500-13,600	6,450 -19,000	6,450-21,000
	Rated Total Input	W	315	560	870	1,200	1,375
	Energy Efficiency	SEER	33.1	30.5	26.1	22.0	21.0
	Moisture Removal	Pints/h	0.2	0.6	1.9	4.0	4.8
	Sensible Heat Factor		0.960	0.920	0.830	0.700	0.690
Heating at 47° F *2	Rated Capacity	Btu/h	8,700	10,900	13,600	18,000	20,300
	Capacity Range	Btu/h	1,600 - 14,000	1,600-18,000	3,700-21,000	5,150 - 24,000	5,150-30,000
	Rated Total Input	W	545	710	950	1,300	1,720
	HSPF (IV)	Btu/h/W	13.5	13.5	12.5	12.0	12.0
Heating at 17° F *3	Rated Capacity	Btu/h	5,900	6,700	8,000	11,000	13,700
	Rated Total Input	W	500	600	720	1,020	1,320
	Maximum Capacity	Btu/h	10,700	12,200	13,600	18,000	20,300
Heating at 5° F	Maximum Capacity	Btu/h	8,700	10,900	13,600	18,000	20,300
Power Supply	Phase, Cycle, Voltage		1 Phase, 60Hz, 208/230V *4				
Voltage	Indoor - Outdoor S1 - S2		AC 208 / 230V				
	Indoor - Outdoor S2 - S3		DC ±24V				
	Indoor - Remote Controller		Wireless Type (Optional Wired Controller: DC12V)				
Indoor Unit	MCA	A	1.0				
	Blower Motor (ECM)	F.L.A.	0.67				
	Airflow at Cooling (Quiet-Low-Med.-High-Super Hi) *1	DRY (CFM)	137-167-221-304-381	137-167-221-304-381	137-167-221-304-398	225-262-304-355-411	225-262-304-355-459
		WET (CFM)	117-143-190-261-328	117-143-190-261-328	117-143-190-261-342	194-225-261-305-354	194-225-261-305-395
	Airflow at Heating (Quiet-Low-Med.-High-Super Hi) *2	DRY (CFM)	140-167-225-325-437	140-167-225-325-437	140-167-225-325-454	201-254-317-394-497	201-254-317-394-514
	Sound Pressure Level at Cooling (Quiet-Low-Med.-High-Super Hi) *1	dB(A)	20-23-29-36-40	20-23-29-36-40	21-24-29-36-41	27-31-35-39-47	20-23-29-36-40
	Sound Pressure Level at Heating (Quiet-Low-Med.-High-Super Hi) *2	dB(A)	20-24-29-36-42	20-24-29-36-42	21-24-29-36-42	25-29-34-39-46	20-24-29-36-42
	External Finish Color		Munsell No. 1.0Y 9.2 / 0.2				
	Dimension Unit	W: In.	36-7/16				
		D: In.	9-3/16				
		H: In.	12(+11/16)				
	Weight Unit	Lbs.	29				
Field Drainpipe Size O.D.	In.	5/8					
Remote Controller	Type		Select from PAC-WHS01WF-E for kumo cloud™, PAC-US444CN-1, MHK1, PAR-31MAA, or PAC-YT53CRAU Remote Controllers				
Outdoor Unit	MCA	A	11			16	15
	MOCP	A	15			20	
	Fan Motor (ECM)	F.L.A.	0.50			0.93	
	Compressor	Model (Type)	DC INVERTER-driven Twin Rotary				
		R.L.A.	8.2			12.0	10.0
		L.R.A.	10.3			15.0	12.5
	Airflow (Cooling/Heating)	CFM	1,150/1,280	1,074/1,202		1,190/1,320	1,692/1,634
	Refrigerant Control		Linear Expansion Valve				
	Defrost Method		Reverse Cycle				
	Sound Pressure Level at Cooling *1	dB(A)	47	48	49	51	52
	Sound Pressure Level at Heating *2	dB(A)	48	49	51	55	55
	External Finish Color		Munsell No. 3Y 7.8 / 1.1				
	Dimensions	W: In.	31-1/2			33-1/16	
		D: In.	11-1/4			13	
		H: In.	21-5/8			34-5/8	
	Weight	Lbs.	81			124	
Refrigerant	Type	R410A					
	Charge	Lbs., Oz.	2, 9			3, 7	
	Oil	Type (cc)	FV50S (350)			FV50S (400)	
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).

For more information, visit www.mehvac.com

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FHBRO 01.2016 | REVISED | Printed In The U.S.A | SKU: ME-FH-BRO

*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.

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PLEASE RECYCLE