


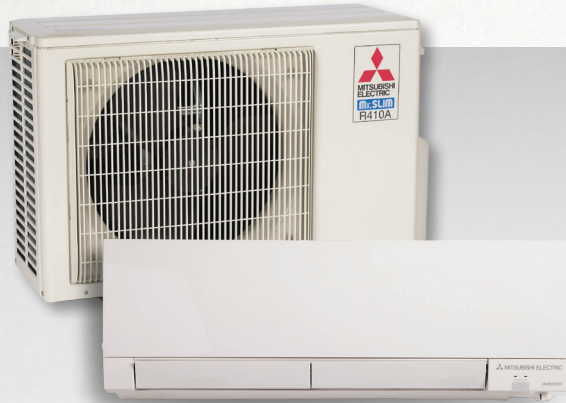
**Energy Efficient, Year-round
Comfort in Any Climate**



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


**MSZ-FH Single-zone
Hyper-heating 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 tighter temperature 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.
- ▶ 100% heating capacity at 5 degrees F outdoor ambient.
- ▶ Quiet operation as low as 20 dB(A).
- ▶ 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 hand-held wireless controller or wall-mounted wireless controller available with smart phone control capabilities.

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.

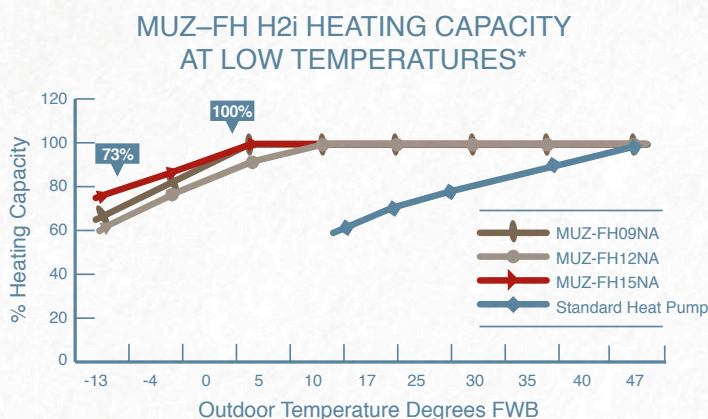
- ▶ INVERTER-driven compressor technology results in substantial energy and utility savings for homeowners.
- ▶ Zone control for improved comfort and decreased energy usage.
- ▶ All FH Systems are ENERGY STAR® rated.
- ▶ New Industry leading SEER ratings as high as 30.5 – dramatically better than conventional 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



* 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.



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



Model Name	Indoor Unit		MSZ-FH09NA	MSZ-FH12NA	MSZ-FH15NA	
	Outdoor Unit		MUZ-FH09NA	MUZ-FH12NA	MUZ-FH15NA	
Cooling *1	Rated Capacity	Btu/h	9,000	12,000	15,000	
	Capacity Range	Btu/h	1,700-12,000	2,500-13,600	6,450 - 19,000	
	Rated Total Input	W	560	870	1,200	
	Energy Efficiency	SEER	30.5	26.1	22.0	
	Moisture Removal	Pints/h	0.6	1.9	4.0	
	Sensible Heat Factor		0.920	0.830	0.700	
Heating at 47° F *2	Rated Capacity	Btu/h	10,900	13,600	18,000	
	Capacity Range	Btu/h	1,600 - 18,000	3,700 - 21,000	5,150 - 24,000	
	Rated Total Input	W	710	950	1,300	
	HSPF (IV)	Btu/h/W	13.5	12.5	12.0	
Heating at 17° F *3	Rated Capacity	Btu/h	6,700	8,000	11,000	
	Rated Total Input	W	600	720	1,020	
	Maximum Capacity	Btu/h	12,200	13,600	18,000	
Heating at 5° F	Maximum Capacity	Btu/h	10,900	13,600	18,000	
Power Supply	Phase, Cycle, Voltage		1 Phase, 60Hz, 208/230V *4			
Voltage	Indoor - Outdoor S1 - S2		AC 208 / 230V			
	Indoor - Outdoor S2 - S3		DC ±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 (Lo-Med-Hi-Super HI-Powerful) *1	DRY (CFM)	137-167-221-304-381	137-167-221-304-398	225-262-304-355-411	
		WET (CFM)	117-143-190-261-328	117-143-190-261-342	194-225-261-305-354	
	Airflow at Heating (Lo-Med-Hi-Super HI-Powerful) *2	WET (CFM)	140-167-225-325-437	140-167-225-325-454	201-254-317-394-497	
	Sound Pressure Level at Cooling (Lo-Med-Hi-Super HI-Powerful) *1	dB(A)	20-23-29-36-40	21-24-29-36-41	27-31-35-39-44	
	Sound Pressure Level at Heating (Lo-Med-Hi-Super HI-Powerful) *2	dB(A)	20-24-29-36-42	21-24-29-36-42	25-29-34-39-46	
	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.	19/32				
Remote Controller	Type		Select from MHK1 (Preferred), PAR-31MAA, or PAC-YT53CRAU Remote Controllers			
Outdoor Unit	MCA	A	11	16		
	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	
		L.R.A.		10.3	15.0	
	Airflow (Cooling/Heating)	CFM	1,150/1,280		1,190/1,320	
	Refrigerant Control		Linear Expansion Valve			
	Defrost Method		Reverse Cycle			
	Sound Pressure Level at Cooling *1	dB(A)	48	49	51	
	Sound Pressure Level at Heating *2	dB(A)	49	51	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	83	124		
Refrigerant	Type		R410A			
	Charge	Lbs., Oz.	2, 9		3, 7	
	Oil	Type (fl. oz.)	FV50S 350cc		FV50S 400cc	
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			

For more information, visit www.mehvac.com.

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Suwanee, GA 30024, Phone: 800-433-4822 Fax: 800-658-1458

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Specifications are subject to change without notice.

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