



**Mr. SLIM™** HYPER-HEAT FH-SERIES



[Mseries.MrSlim.ca](http://Mseries.MrSlim.ca)

\*When installed by an authorized HVAC (Heating, Ventilating, and Air Conditioning) installer. Certain conditions, restrictions and/or limitations apply. See warranty terms and conditions for complete details.



Experience a new level of year-round home comfort no matter where you live with the stylish MSZ-FH ductless heating and cooling units. Designed to complement your décor, these units are the most advanced and efficient models we've ever created. Plus, they're highly reliable, extremely quiet and remarkably energy efficient (up to 30.5 SEER – the highest SEER rating in the industry).

**HYPER  
HEAT AT  
-25°C\***

**LOW-AMBIENT HEATING**

Low-ambient heating. It's where most heat pumps struggle. For a heat pump to provide heat when the mercury gets ultra-low is no easy task. Thankfully, the Hyper-Heat FH-series provides excellent heating performance at outdoor temperatures as low as -25°C (-13°F), continually operating on even the coldest of Canadian winter days. After all, being in Canada for over 30 years has taught us a few things.

**AMAZING PERFORMANCE EVEN AT THESE LOW TEMPERATURES**

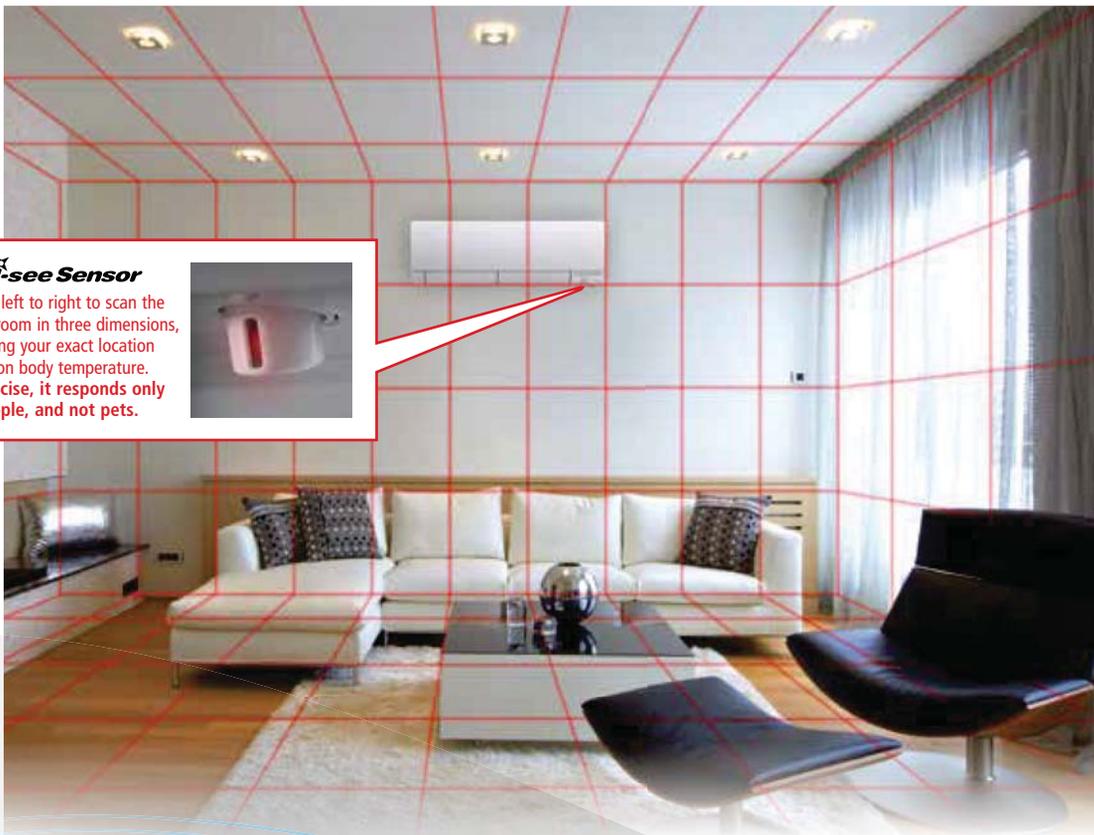
MODEL	MSZ-FH09NA	MSZ-FH12NA	MSZ-FH15NA	MSZ-FH18NA
HEATING CAPACITY @ -15°C / 5°F	10,900 BTU/H <b>(100%)</b>	13,600 BTU/H <b>(100%)</b>	18,000 BTU/H <b>(100%)</b>	20,300 BTU/H <b>(100%)</b>

\*Includes tolerance. Typical units can operate in heating mode down to -27°C depending on conditions.

**THE NEW LOOK OF COMFORT: THE 3D i-SEE SENSOR**

Introducing another brilliant advancement from the leader in comfort innovation. The 3D i-see Sensor from Mitsubishi Electric scans the entire room and divides it into 752 zones, detecting exactly where you and your family are located based on your unique body temperature. **The 3D i-see sensor is so precise, it can even differentiate between people and pets!**

With this thermal data, it then directs the perfect amount of heating or cooling towards those who need it most. And when you leave the room, it automatically switches into energy saving mode to help save you money. When it comes to ensuring your family's comfort, we're always looking out for you.



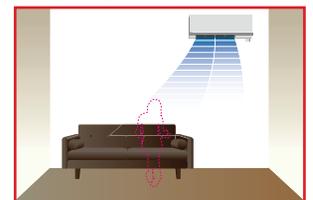
**3D i-see Sensor**

Moves left to right to scan the entire room in three dimensions, detecting your exact location based on body temperature. So precise, it responds only to people, and not pets.



**Direct/Indirect Air Flow**

Enhance comfort by averting airflow away from people, or set direct airflow to target people for quick heating/cooling.



**Absence Detection**

When no one is in the room, the unit automatically switches to energy saving mode.

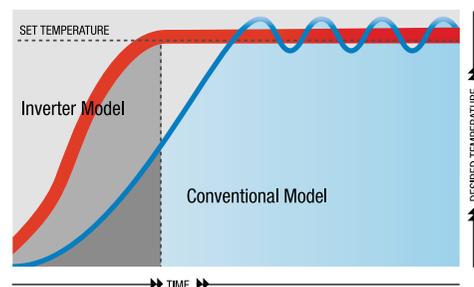


**Natural Flow**

This setting directs airflow much like natural wind. The continuous gentle breeze provides enhanced comfort.

## ENERGY EFFICIENT

Your FH-series units are powered by VCSi technology. It operates by maintaining a consistent temperature while using only the necessary power needed to provide heating and cooling for your home so your energy costs are reduced. Plus, our Energy Star-certified models will help further reduce your overall carbon footprint.



## CLEARING THE AIR ON HOME COMFORT

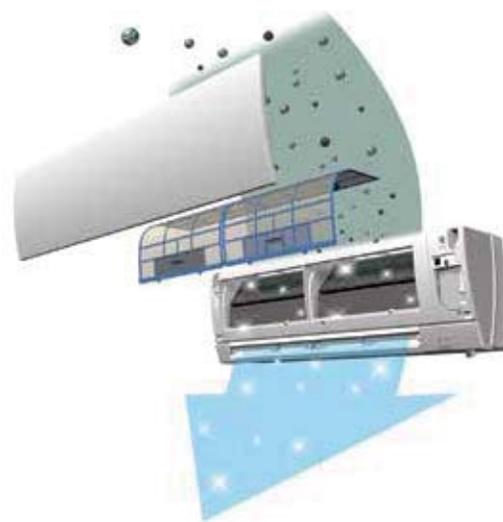
At Mitsubishi Electric, your home comfort means more than maintaining the temperature of your rooms. Equally important to us is the quality of the air you and your family breathe, which is why we've improved the air filters built into our new FH-series indoor unit.

### HELPING TO KEEP YOUR FAMILY HEALTHY

Our Nano-Platinum air filtration system improves the air quality of your home and the health of your family. The Nano-Platinum air filtration system includes an electrostatic anti-allergy enzyme filter, and together they effectively remove the four major air pollutants that are leading causes of illness – bacteria, viruses, allergens and dust.

### HELPING TO KEEP YOUR AIR SMELLING FRESH

At the same time as it improves the air quality of your home, the Nano-Platinum air filtration system also includes a deodorizing filter, so every breath you take smells clean and fresh.



## FEATURES AND BENEFITS

### THINKING GREEN

Saving the environment is second nature at Mitsubishi Electric. Mr. Slim R-410A systems offer significant improvements in efficiency and performance while using the ozone-friendly R-410A refrigerant, which has no CFC or HCFC and zero Ozone Depletion Potential (ODP).

### STYLISH

All of our FH-series ductless, wall-mounted systems are lightweight, compact and stylish. They blend into the smallest of spaces and suit any décor.

### HASSLE-FREE INSTALLATION

Installing an FH-series ductless system requires only a small 10 cm opening to connect the refrigerant and power lines between the indoor and outdoor units. The whole job can be done in a fraction of the time needed to install a conventional system.\*

### QUIET COMFORT

With the super-quiet technology at Mitsubishi Electric, your Mr. Slim system runs more quietly than a whisper so that you won't even notice it's on.

AS QUIET AS  
**20**  
DECIBELS



# PRODUCT SPECIFICATIONS

Model	Indoor Unit		MSZ-FH09NA	MSZ-FH12NA	MSZ-FH15NA	MSZ-FH18NA2
	Outdoor Unit		MUZ-FH09NAH	MUZ-FH12NAH	MUZ-FH15NAH	MUZ-FH18NAH2
Cooling	Capacity Rated (Minimum ~ Maximum)	Btu/h	9,000 (1,700 ~ 12,000)	12,000 (2,500 ~ 13,600)	15,000 (6,450 ~ 19,000)	17,200 (6,450 ~ 21,000)
	Power Consumption Rated (Minimum ~ Maximum)	W	560 (100 ~ 1,000)	870 (170 ~ 1,150)	1,200 (410 ~ 2,200)	1,375 (410 ~ 2,220)
	Energy Efficiency	SEER	30.5	26.1	22.0	21.0
		EER	16.1	13.8	12.5	12.5
Moisture Removal	Pints/h	0.6	1.9	4.0	4.8	
Heating @ 47°F	Capacity Rated (Minimum ~ Maximum)	Btu/h	10,900 (1,600 ~ 18,000)	13,600 (3,700 ~ 21,000)	18,000 (5,150 ~ 24,000)	20,300 (5,150 ~ 30,000)
	Power Consumption Rated (Minimum ~ Maximum)	W	710 (110 ~ 1,470)	950 (280 ~ 2,300)	1,300 (430 ~ 3,360)	1,720 (430 ~ 3,390)
	Heating Performance	HSPF (IV)	12.5	11.5	11.0	11.0
Heating @ 17°F	Capacity Rated (Maximum)	Btu/h	6,700 (12,200)	8,000 (13,600)	11,000 (18,000)	13,700 (20,300)
	Power Consumption Rated (Maximum)	W	600 (1,440)	720 (1,900)	1,020 (2,480)	1,320 (2,800)
Heating @ 5°F	Capacity (Maximum)	Btu/h	10,900	13,600	18,000	20,300
Power Supply	V, Phase, Hz		208/230, 1, 60			
Indoor Unit	Max. Fuse Size (Time Delay)	A	15	15	15	15
	Min. Circuit Ampacity	A	1.0	1.0	1.0	1.0
	Airflow (Quiet-Lo-Med-Hi-SuperHi)	CFM Dry	137-167-221-304-381	137-167-221-304-398	225-262-304-355-411	225-262-304-355-459
	Sound Cooling (Quiet-Lo-Med-Hi-SuperHi)	dB(A)	20-23-29-36-40	21-24-29-36-42	27-31-35-39-44	27-31-35-39-47
	Fan Speed Control		7 (Auto, Powerful, SuperHi, Hi, Med, Low, Quiet)			
	Horizontal Airflow Direction		Manual, Swing			
	Vertical Airflow Direction		Left Vane & Right Vane (Auto, Manual, Swing)			
	Air Filters (Washable)		3 (Nano Platinum air filter, Anti-allergy enzyme filter, Deodorizing filter)			
	Dimension (H x W x D)	in.	12-11/16 x 36-7/16 x 9-3/16			
	Weight	lb.	29			
Outdoor Unit	Max. Fuse Size (Time Delay)	A	15	15	20	20
	Min. Circuit Ampacity	A	11	11	16	16
	Capacity Control		Variable Speed Compressor			
	Sound Cooling	dB(A)	48	49	51	52
	Dimension (H x W x D)	in.	21-5/8 x 31-1/2 x 11-1/4		34-5/8 x 33-1/16 x 13	
	Weight	lb.	81	83	124	124
Refrigerant	Type		R-410A			
	Pipe size O.D. (Liquid x Gas)	in.	1/4 x 3/8		1/4 x 1/2	
Between Indoor & Outdoor Units	Max. Height Difference	ft.	40		50	
	Max. Pipe Length	ft.	65		100	
Outdoor Operating Range	Cooling		14 - 115°FDB			
	Heating		-13 - 75°FDB (-14 - 65°FWB)			
Control Features		3D i-see Sensor • Econo Cool • Powerful Mode • Smart Set • Natural Flow Direct/Indirect Airflow • Absence Detection • Wide Airflow				

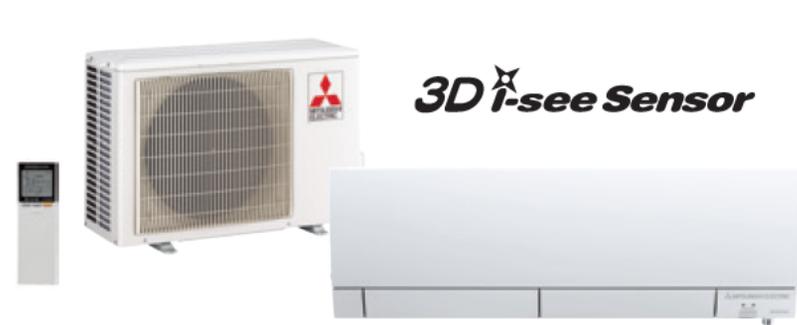
All test conditions are based on ARI 210/240. Rating conditions:  
 Cooling – Indoor: 80°FDB, 67°FWB; Outdoor: 95°FDB, 75°FWB; Rated frequency  
 Heating – Indoor: 70°FDB, 60°FWB; Outdoor: 47°FDB, 43°FWB; Rated frequency

## OTHER EXCLUSIVE FEATURES

- |                                   |                                          |                                     |                          |
|-----------------------------------|------------------------------------------|-------------------------------------|--------------------------|
| Quiet mode                        | Electrostatic anti-allergy enzyme filter | Horizontal & vertical vane control  | Auto change over         |
| Cooling at -10°C/14°F             | Deodorizing filter                       | 24-hour On/Off timer & weekly timer | Auto restart             |
| Low ambient heating @ -25°C/-13°F | Double horizontal vanes                  | Super-quiet technology              | Easy-clean design        |
| Nano platinum air filter          | Multi-function wireless controller       | Auto mode                           | Self-diagnostic function |

## OPTIONAL FEATURE

Energy-efficient comfort control is truly at your fingertips with RedLINK™ Wireless Technology, no matter where you are in your home or in the world. The wireless wall-mounted remote controller can be installed anywhere in the house. The backlit display makes it easy to fine-tune temperature, fan speed, airflow direction and more.



OML-2015/01-E\_R1 Mitsubishi Electric reserves the right to modify the design of its products, their characteristics and the information contained in this literature. Specifications are subject to change without notice.

