

## *Deluxe Inverter Wall Mounted MSZ-FA Series*



- Quietest High Wall Mounted in NZ\*
- Retractable Flat Panel
- Plasma Duo Filter System
- Energy Saving "i-see Temperature Sensor"
- Optional 7 Day Timer

*You want to feel the  
warmth, not hear it.*

\*MSZ-FA25VA at Low Fan Speed and Maximum Output,  
as at 1st March 2006 in the 2.5kW Cooling Range.



**Quietly Superior**

## Plasma Duo Filter System With Retractable Front Panel Energy Saving "i-see Temperature Sensor"

Introducing the state-of-the-art range of Mitsubishi Electric Deluxe Inverter Heat Pumps, specifically designed to combat and reduce common household allergens and unpleasant odours. This unit provides optimal air quality that is so vital for asthma and allergy sufferers.

The new energy saving "i-see sensor", automatically searches out temperature disparities over a wide area. Thanks to this advanced sensing technology, all areas of the room are kept at an optimal temperature.



Dimensions (H x W x D): 298 x 780 x 198mm



### MSZ-FA25VA (MSZ-FA25VA + MUZ-FA25VA)

Cooling Capacity: 2.5 (0.9~3.2) kW

Heating Capacity: 3.2 (0.9~5.0) kW

### MSZ-FA35VA (MSZ-FA35VA + MUZ-FA35VA)

Cooling Capacity: 3.5 (1.0~4.1) kW

Heating Capacity: 4.0 (0.9~6.0) kW

### *i-see* Sensor

The new energy saving i-see mode searches out temperature differences and directs heat where you really need it.

### Plasma Duo Filter Systems

Ideal for Asthma and Allergy sufferers.

### Outdoor Units

#### MUZ-FA25/35VA



Dimensions (H x W x D): 550 x 800 x 285mm

R410A

HEAT PUMP

**DC  
Inverter**



Infra Red  
Remote Controller

Cleaning-free,  
pipe reuse

Optional\*:  
PAR-21MAA  
7 Day Timer  
\*Requires MAC-3971F-E



**F-INVERTER**



DC Inverter



Area Setting with i-see



Plasma Deodorising Filter



Plasma Air Purifying Filter



AUTO VANE  
Horizontal & Vertical



SWING MODE  
Horizontal & Vertical



MXZ connection



Flat Panel



Compact & Slim  
Design



Auto Restart  
Auto Change Over



Weekly Timer  
Optional



Centralised ON / OFF  
Optional



Cooling at -10°C



Cooling at 46°C/-10°C



AUTO Front Panel



From **21dB(A)**

All **Heating at -10°C**

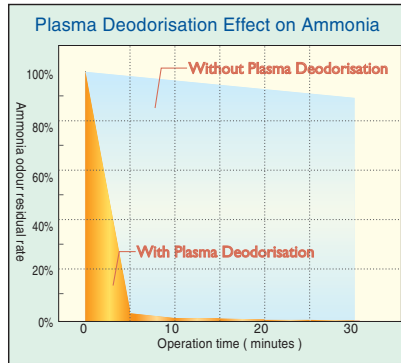


## Plasma Duo Filter Systems

### Plasma Deodorising Filter

The newly equipped "Plasma Deodorising Filter" provides state-of-the-art deodorisation - decomposition and reduction of harmful chemical substances at the nano-level (1/1,000,000 of a millimetre). This is the key to high-power deodorisation of the most unpleasant odours\*1 in daily life such as ammonia, methyl mercaptan, trimethylamine and hydrogen sulphide.

**Only 2.2wh consumed**  
\*1.1wh each for Plasma Deodorisation and Plasma Air Purification.



### Plasma Air Purifying Filter

Armed with the "Plasma Air Purifying Filter," which has already built up a solid reputation in Japan, pollutants in the air are removed more thoroughly than ever before. Besides collection of fine dust, smoke, pollen and other allergy causing substances, this filter also provides disinfecting and anti-viral effects.\*2 Negative ions, with their soothing and relaxing effects, are also generated.

\*1: Not all odour components generated on a continuous basis (building material odours, pet odours) can be removed.  
\*2: Source: KRCS-Bio study Report No.16 00865 (November 22, 2004)

#### Maintenance is easy, just wash in water!

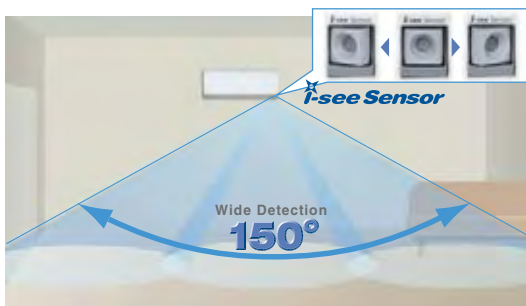
To care for both the Plasma Deodorising Filter and the Plasma Air Purifying Filter, just wash them in water.

The deodorising ceramic filter, boasts a service life of about 6 years.



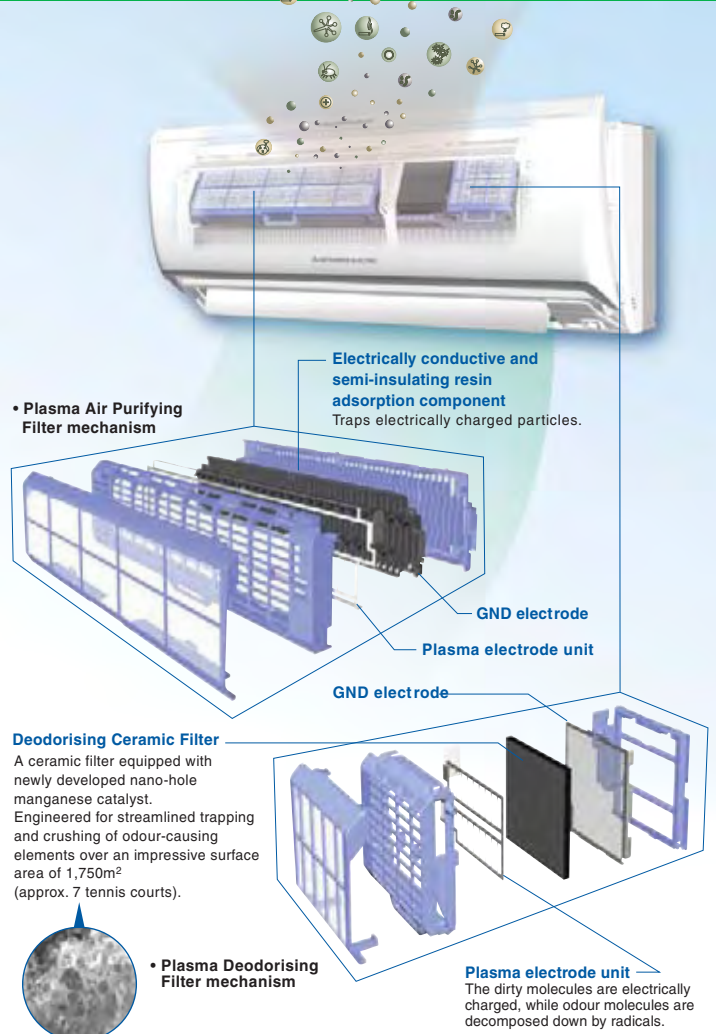
### The new moving *i-see Sensor*, leaves no temperature difference unnoticed.

The moving "i see sensor" automatically moves from side to side, searching out temperature disparities over a wide area of 150°. Thanks to this advanced sensing technology, and the wide airflow of 150° from left to right (90° in cooling mode), all corners of even the most spacious rooms are kept at optimal temperatures.



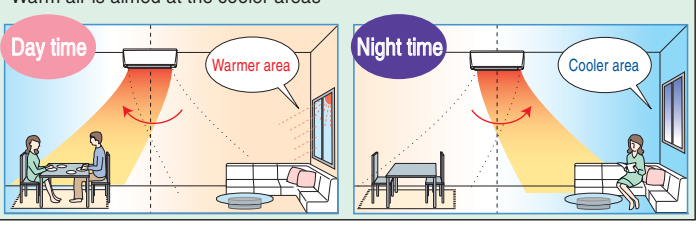
#### "Area Setting" - for waste-free, energy-saving heating and cooling.

In AREA mode, efficient heating or cooling is targeted where it is really needed - the right side, left side or the room as a whole. The sensor can also operate only on the selected side.



An improved "horizontal vane," for even more pleasant and refreshing airflow. Advanced airflow control supported by a newly configured horizontal vane directs air at the floor level in heating mode. In cooling mode, the vane angle can be kept nearly horizontal, for a pleasant and refreshing feeling.

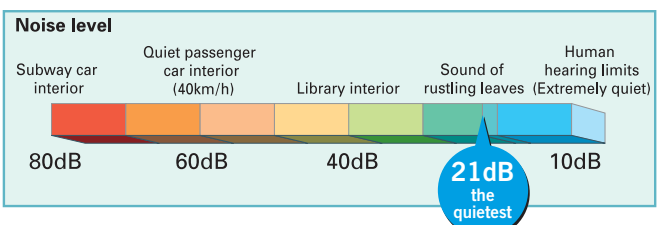
In heating mode (with AREA setting : whole room)  
Warm air is aimed at the cooler areas



### Whisper Quiet Operation

Only **21dB**  
MSZ-FA25

Mitsubishi Electric have a long standing reputation for offering some of the quietest models in the industry. The Deluxe MSZ-FA range is no exception. At only 21 dB(A) in Low Fan Speed and capable of maximum output, the MSZ-FA25VA is the quietest Heat Pump in New Zealand. You want to feel the warmth, not hear it!



# Controllers:

## Optional: PAR-21MAA 7 Day Timer

Wake up or come home to optimal temperatures whilst conserving energy!

The controller allows your system to be programmed to maintain optimal temperature levels during the standard times when you are likely to be in the room. In the periods where you are unlikely to be there (such as during work hours or sleep time), the temperature can be set back to a minimum holding temperature instead of turning the system completely off.

Turning a system on and off typically uses the most energy because the system has to heat a room starting from a very low temperature. By maintaining a minimum holding temperature Mitsubishi Electric inverter technology saves you energy as the temperature only needs to be raised by a couple of degrees.

Most air conditioning systems come with a 24 hour remote controller. This means that you can only set the system up to automatically turn on and then off within a 24 hour period. This needs to be manually reactivated each time. The new Mitsubishi Electric 7 day timer allows you to program up to 8 separate Start/Stop patterns per day over a 7 day period.

For example:

- Between 10pm till 6am set temperature to 18°C
- Between 6am and 9am set temperature to 21°C
- Between 9am and 5.30pm set temperature to 18°C
- Between 5.30pm and 10pm set temperature to 21°C
- Between 10pm and 6am set temperature to 18°C

### Industry First! Multi-language Display

You can choose from 8 different languages.

## Optional: MAC-821SC-E (Centralised ON/OFF Controller)

An optional Centralised ON/OFF Controller (MAC-821SC-E\*) can also be incorporated to regulate all connected units in your home (and enabling ON/OFF selection and operation status confirmation from one single controller).

## Optional: G-50 Controller (With Web Server Functions)

Mitsubishi Electric can also offer you a control system to control your Air Conditioning from your local PC. The G-50 or GB-50 gives you simple Computer control from your local Internet Explorer.



The new clear and precise display is easy to understand for any user.



### Operation Control Function

#### Limiting the set temperature range

Air conditioning operation within a limited temperature range. The setting of the upper and lower limit temperature is possible. This prevents excessive cooling and heating leading to saving energy.

#### Operation locking

Preventing the random modification of setting. Two lock functions are available:  
1. Lock all buttons.  
2. Lock all buttons other than ON/OFF button.

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MAC-821SC-E

**Note:**  
The PAR-21MAA and MAC-821SC-E both require the MAC-3971F-E adaptor.



Web Screen Views



G-50



GB-50

# Specifications:

## MSZ-FA VA Deluxe Inverter Wall Mounted Heat Pump Model (R410A)

TYPE	Deluxe Wall Mounted			
	Inverter Heat Pump			
MODEL NAME	MSZ-FA25VA	MSZ-FA35VA		
INDOOR UNIT	MSZ-FA25VA	MSZ-FA35VA		
OUTDOOR UNIT	MUZ-FA25VA	MUZ-FA35VA		
COOL	Capacity [kW]	2.5	3.5	
	Input [kW]	Min-Max [kW]	0.9-3.2	1.0 - 4.1
		Min-Max [kW]	0.595	0.935
	COP	Min-Max [kW]	0.185 - 0.880	0.250 - 1.280
		Star Rating	6.0	6.0
	Sound Level [dB(A)]	In (Lo/Hi)	21 / 36	22 / 36
		Out	46	47
	Rated Current (In/Out) [A]	In/Out	3.0	4.3
		Max Current [A]	7.21	7.44
	Air Volume (High) [L/s]	In	165	165
Out		572	557	
HEAT	Capacity [kW]	3.2	4.0	
	Input [kW]	Min-Max [kW]	0.9 - 5.0	0.9 - 6.0
		Min-Max [kW]	0.735	0.995
	COP	Min-Max [kW]	0.195 - 1.450	0.22 - 1.94
		Star Rating	6.0	6.0
	Sound Level [dB(A)]	In (Lo/Hi)	21 / 36	22 / 36
		Out	46	48
	Rated Current (In/Out) [A]	In/Out	3.5	4.6
		Max Current [A]	7.21	7.44
	Air Volume (High) [L/s]	In	170	170
Out		572	557	
INDOOR	Dimensions (HxWxD) [mm]	298 x 780 x 198	298 x 780 x 198	
	Weight [kg]	10	10	
OUTDOOR	Dimensions (HxWxD) [mm]	550 x 800 x 285	550 x 800 x 285	
	Weight [kg]	33	37	
EXT. PIPE	Sound Level [dB(A)]	46	48	
	Diameter (Liquid/Gas) [mm]	6.35 / 9.52	6.35 / 9.52	
OPERATION RANGE Outdoor	Max. Length/Height <sup>†</sup> [m]	20 / 12	20 / 12	
	Chargeless [m]	7	7	
OPERATION RANGE Outdoor	Cooling [°C]	-10 / +46	-10 / +46	
	Heating [°C]	-10 / +24	-10 / +24	

## Quick Clean

The easily detachable front panel is simple to wash, and the airflow vents can be opened without any special tools for quick cleaning inside.



## 5 Year Warranty

Mitsubishi Electric Air Conditioners / Heat Pumps come with a full 5 year parts, labour and compressor warranty.

### Note:

1. Rating Conditions (AS/NZS 3823)  
Cooling — Indoor: 27°C DB, 19°C WB Outdoor: 35°C DB  
Heating — Indoor: 20°C DB Outdoor: 7°C DB, 6°C WB  
Refrigerant piping length (one way): 5 m
2. Guaranteed operating range: see specifications table
3. Dry function will not work when the room temperature is below 13°C

Power Supply: All 230V, Single Phase, 50 Hz

Colour: Heat pump units shown may not be colour accurate, please ensure you view an actual unit for colour matching.

<sup>†</sup> Maximum length is inclusive of height differential. i.e. (30/15) means the pipe can be 15m high and 15m across for a total length of 30m.

## Energy Ratings & Sound Levels

Energy Rating	6.0	6.0
Cool	2.5kW 4.20 COP 21 dB(A)*	3.5kW 3.74 COP 22 dB(A)*
Heat	3.2kW 4.35 COP 21 dB(A)*	4.0kW 4.02 COP 22 dB(A)*
Heat Pump	MSZ-FA25VA	MSZ-FA35VA

\* SPL rated at low speed



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