

**MITSUBISHI
ELECTRIC**
AIR CONDITIONING SYSTEMS

Changes for the Better

Mitsubishi
Electric
Quality



SIMPLE IS BEAUTIFUL. Deluxe Inverter Split Type **F-INVERTER**



Quality Air

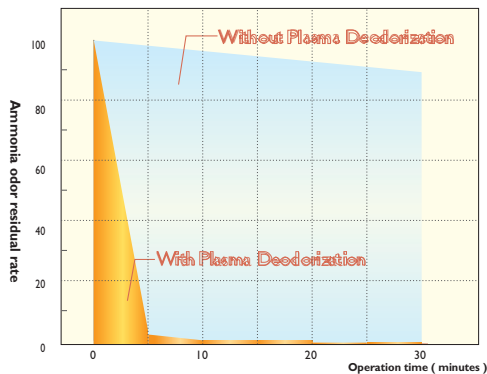
Plasma Duo Filter Systems

The Plasma Duo goes beyond just catching the unpleasant odors, and proceeds to powerfully crush them. The all-out pursuit of real air quality.

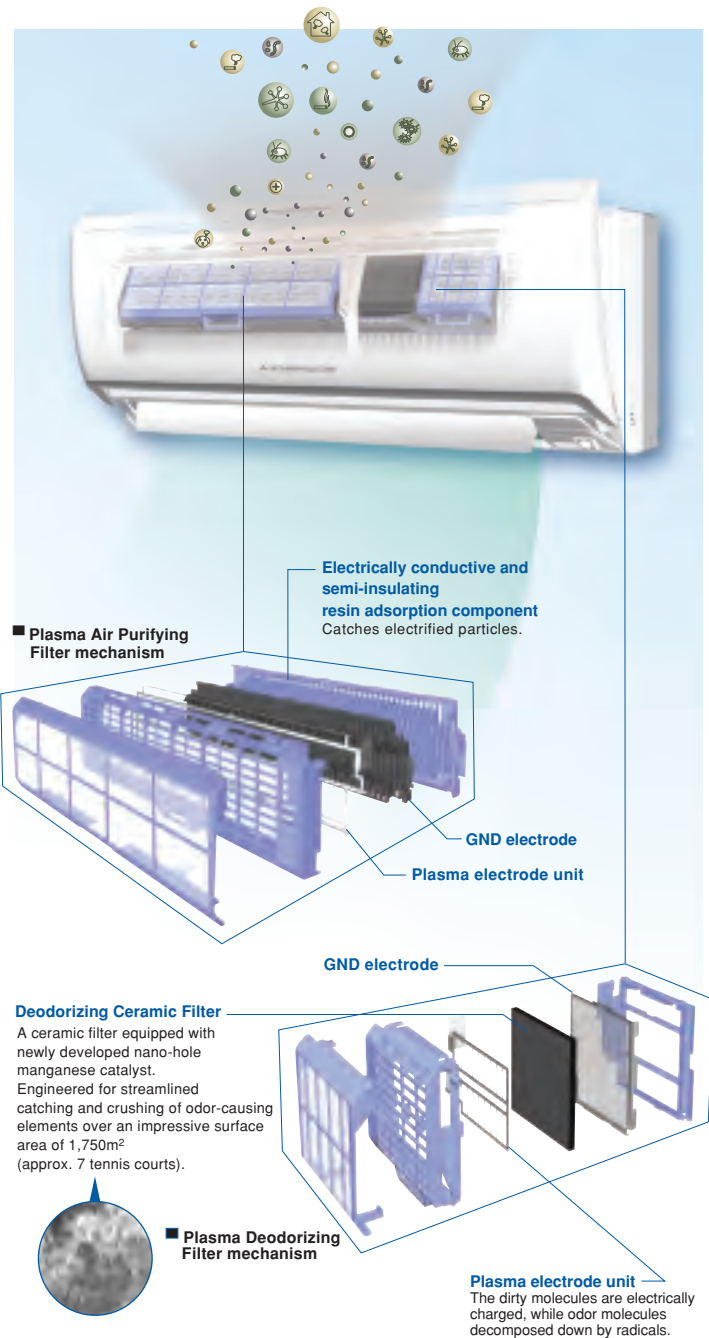
Plasma Deodorizing Filter

The newly equipped "Plasma Deodorizing Filter" provides state-of-the-art deodorization-decomposition and elimination of harmful chemical substances at the nano-level (1/1,000,000 of a millimeter). The key to high-power deodorization of the most unpleasant odors*1 in daily life such as ammonia, methyl mercaptan, trimethylamine and hydrogen sulfide.

Plasma Deodorization's Effect on Ammonia



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

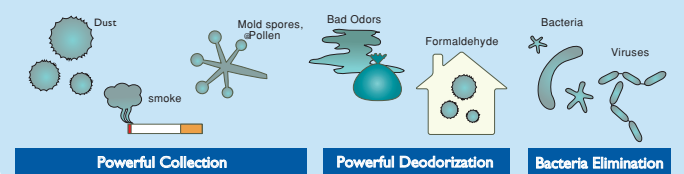


Plasma Air Purifying Filter

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

*1: Not all odor components generated on a continuous basis (building material odors, pet odors) can be removed.
 *2: Source: KRCE5-Bio study Report No.16 00865 (November 22, 2004)

Various Effects of Plasma Duo



Maintenance is a snap - just wash these units in water!

To care for both the Plasma Deodorizing Filter and the Plasma Air Purifying Filter, just wash them in water. The deodorizing ceramic filter, meanwhile, is an extended use model, boasting a service life of about 6 years.





Comfort & Energy Saving & Design

i-see Sensor

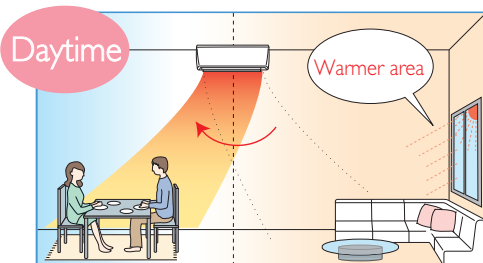
With our new moving "i see sensor", no temperature gap goes free.

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 comfy.

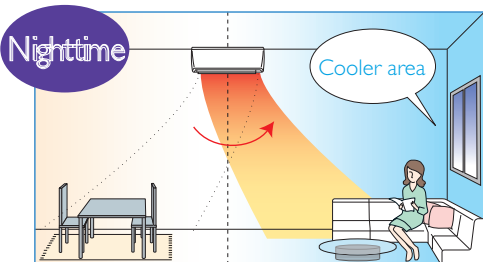
"Area Setting"— for waste-free, energy-saving heating and cooling.

With the AREA button, efficient, energy-skipping heating and cooling is realized for the target space – the right side, left side or the room as a whole. The sensor also operates only on the selected side.

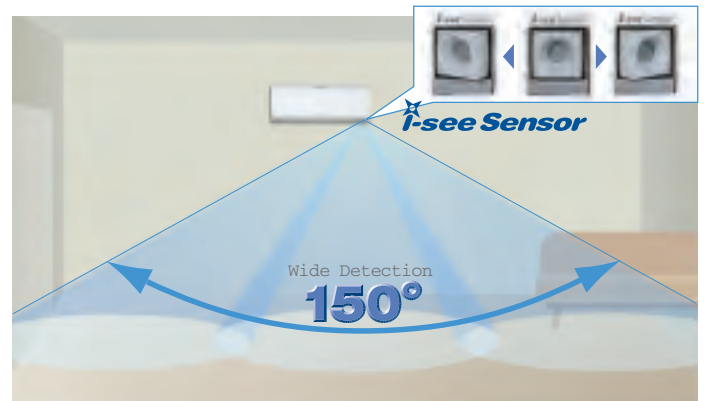
■ In heating mode (with AREA setting : whole room)



Warm air aims the cooler areas.



Warm air aims the cooler areas.



■ An improved "horizontal vane," for even more pleasant and refreshing airflow

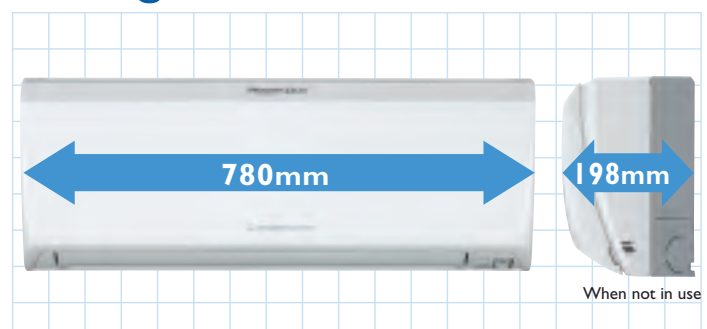
Airflow distribution comparisons	Vertical section / Outdoor temperature 7°C / room size 13.2m ²	Horizontal section / Outdoor temperature 7°C / room size 13.2m ²
Model from 10 years ago		
NEW MSZ-FA		

*in heating
Advanced airflow control supported by a newly configured horizontal vane enables the warm air to reach the floor level in heating mode. In cooling mode, the vane angle can be kept nearly horizontal, for a pleasant and re-freshing feeling that comes out more health-conscious all around.

Sophisticated and Compact in Design

Compact design, only 780mm wide. Trendy appointments, just right for your home interior.

When choosing an air-conditioner, besides the natural yardstick of comfort, interior compatibility is another key choosing point. At Mitsubishi Electric, our highly compact and refined designs provide excellent fits for a vast range of rooms. The "glossy pure white" hue, meanwhile, will accentuate your attractive interior with yet another eye-catching touch.

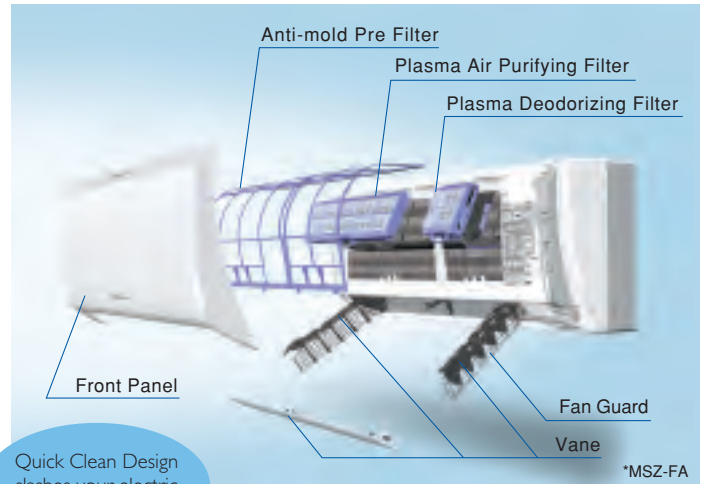
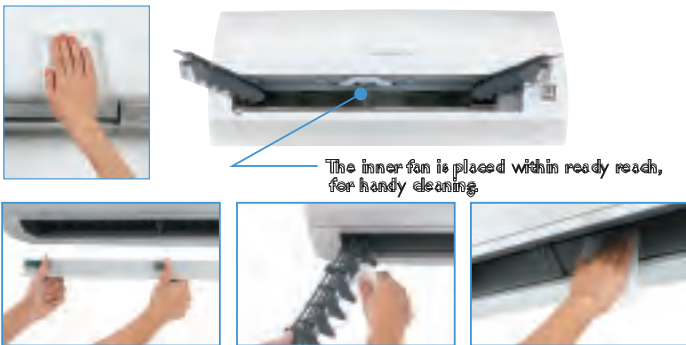


When not in use

Quick Clean

The front panel wipes clean in a whisk. Effortless cleaning, right to the inner fan, for fresh and healthy air around the clock.

The easily detachable front panel is a snap to wash, and the air-flow vents can be opened without any special tools for quick cleaning inside the air conditioner. It is recommended that the air conditioner be cleaned regularly, to increase operating efficiency and energy savings alike.



Quick Clean Design slashes your electric bill by approx. **30%***



The exclusive Quick Clean Kit is easily connected to household vacuum cleaners for quick and convenient cleaning of the heat exchanger and the fan.*7



Exclusive Quick Clean Kit (standard)

*6 Electric bill comparisons of operation at fixed temperature with 8 g of dirt on the fan and one without. Based on the in-house data. *7 The wearing of gloves is highly recommended when cleaning the heat exchanger, because touching the heat exchanger with the bare hands can cause injury.

Auto Front Panel

Turning the unit "ON" causes the front panel to open, activating the cooling or heating operation. Switch "OFF" and the panel closes, striking a smart and sleek appearance to the eye.

The secret behind the striking yet simple design lies in the Auto Front Panel debuted in this model. When not in use the panel closes up, heightening the aesthetic look. In operation, the overall front panel opens up-wards, for a generous increase in the intake airflow. The open panel also enhances air-flow effects, while simultaneously ensuring superbly efficient cooling and heating performance.



in cooling



Quiet Operation

Air conditioners should always be inconspicuous, working hard yet silently to keep us comfortable. Mitsubishi Electric air conditioners have always been some of the quietest models available on the market. This year's line-up sports a new look that enhances interior aesthetics and operates very quietly - only 21dB for certain models!

ONLY **21dB***

*25kw class

● A new inverter lines,
at the cutting edge of comfort.

F-INVERTER



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



Optional
MAC-3971F is necessary

Plasma Duo
Filter Systems

i-see Sensor



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

DC
INVERTER

ONLY
21dB*

* 25 low class

AREA

AREA setting

ECONO
COOL

AUTO
VANE

Horizontal
& Vertical

SWING
Mode

Horizontal
& Vertical

Auto
Front Panel

Flat
Panel

Quick
Clean

24

24-hour Timer

Auto Change
Over

Auto Restart

Cooling at
46°C/-10°C

Heating at
-10°C

12m
20m

Long-length
Piping

Flare
Connection

Compact
Design

Specifications

Type			Inverter Heat Pump		
Model Name			MSZ-FA25VA	MSZ-FA35VA	
Indoor Unit			MSZ-FA25VA	MSZ-FA35VA	
Outdoor Unit			MUZ-FA25VA	MUZ-FA35VA	
Power Supply [V, Phase, Hz, Source]			230, Single, 50, Powered by Outdoor unit		
Cooling	Capacity [min. - rated - max.]	kW	0.9 - 2.5 - 3.2	1.0 - 3.5 - 4.1	
	Total Input [min. - rated - max.]	kW	0.185 - 0.595 - 0.880	0.250 - 0.935 - 1.280	
	EER			4.20	3.74
		Star Rating		6.0	6.0
	Running Current [rated]	A	3.0	4.3	
	Sound pressure level	IN [Low - Mid - High - Super High]	dB(A)	21 - 29 - 36 - 42	22 - 29 - 36 - 42
		OUT(PWL)	dB(A)	46(59)	47(61)
	Air Volume [Low - Super High]		m ³ /min	4.2 - 9.9	4.3 - 9.9
		l/s	70 - 165	72 - 165	
Heating	Capacity [min. - rated - max.]	kW	0.9 - 3.2 - 5.0	0.9 - 4.0 - 6.0	
	Total Input [min. - rated - max.]	kW	0.195 - 0.735 - 1.450	0.215 - 0.995 - 1.900	
	COP			4.35	4.02
		Star Rating		6.0	6.0
	Running Current [rated]	A	3.5	4.6	
	Sound pressure level	IN [Low - Mid - High - Super High]	dB(A)	21 - 29 - 36 - 42	22 - 29 - 36 - 42
		OUT	dB(A)	46	48
	Air Volume [Low - Super High]		m ³ /min	4.4 - 10.2	4.6 - 10.2
		l/s	70 - 170	77 - 170	
Starting Current		A	3.5	4.6	
Indoor	External Finish		pure white	pure white	
	Input [rated]	W	33	33	
	Dimensions [H x W x D]	mm	298 x 780 x 198	298 x 780 x 198	
	Weight	kg	10	10	
Outdoor	External Finish		white	white	
	Dimensions [H x W x D]	mm	550 x 800 x 285	550 x 800 x 285	
	Weight	kg	33	37	
Ext. Piping	Liquid [diameter]	mm	6.35	6.35	
	Gas [diameter]	mm	9.52	9.52	
	Max. Length	m	20	20	
	Max. Height	m	12	12	
	Chargeless	m	7	7	
Refrigerant			R410A	R410A	
Guaranteed Operating Range [Outdoor]	Cooling	°C	-10 ' +46	-10 ' +46	
	Heating	°C	-10 ' +24	-10 ' +24	

Note: 1. Rating Conditions 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): 5m
 2. Guaranteed operating range: see specifications table 3. Dry function will not work when the room temperature is below 13°C.

Optional parts

Part Name	Part. No.	Applicable Models
Deodorizing Ceramic Filter	MAC - 305FT - E	MSZ-FA25/35
Quick Clean Kit	MAC - 093SS - E	MSZ-FA25/35
M-NET interface	MAC-399IF-E	MSZ-FA25/35
MA&Contact interface	MAC-397IF-E	MSZ-FA25/35
MA wired remote controller	PAR-21MAA	MSZ-FA25/35



Certificate Number
49385



Certificate Number
EC97J1132

Mitsubishi Electric Shizuoka Works acquired ISO9001 certification under Series 9000 of the International Standard Organization (ISO) based on a review of Quality warranties for the production of air conditioning equipment. The plant also acquired environmental management system standard ISO 14001 certification.

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