

New Zealand's Quietest
Floor Consoles



You want to feel the warmth, not hear it.[®]



Quietly Superior

Inverter MFZ-KA Series

COMPACT FLOOR CONSOLE

Thermostatically Controlled Upper and Lower Air Outlets New! Recessable Models Available!

This range is specifically designed to discreetly sit at floor level or can be recessed into the wall, making them ideal replacements for traditional floor mounted heating appliances such as night-store heaters.

The slim-line range features independently controllable upper and lower air outlets ensuring optimum air distribution to guarantee warm feet! A comprehensive deodorising and air purifying filter system will ensure healthier and cleaner air. All this is packed in to a compact floor design with the whisper quiet performance that you have come to expect from Mitsubishi Electric.



Dimensions (W x D x H): 700 x 200 x 600mm



MFZ-KA25VA (MFZ-KA25VA + SUZ-KA25VA)

Cooling Capacity: 2.5 (0.9~3.4) kW
Heating Capacity: 3.4 (0.9~5.1) kW



MFZ-KA35VA (MFZ-KA35VA + SUZ-KA35VA)

Cooling Capacity: 3.5 (0.9~3.9) kW
Heating Capacity: 4.0 (0.9~6.2) kW



MFZ-KA50VA (MFZ-KA50VA + SUZ-KA50VA)

Cooling Capacity: 4.8 (0.9~5.4) kW
Heating Capacity: 6.0 (0.9~7.9) kW



Ask in store for details

Recessed Models

- MFZ-KA25VA-RC
- MFZ-KA35VA-RC
- MFZ-KA50VA-RC

Features

HEAT PUMP **R410A** **DC Inverter** **Cleaning-free, pipe reuse**

Only 22dB KAZ5	1 save	Econo Cool	Cooling at 46°C/10°C	Heating at -15°C	ACO	Catechin As Standard Filter	Anti-Allergy Enzyme As Standard Filter	AUTO VANE Horizontal	VERTICAL AIR FLOW
SWING Horizontal	AUTO	Glossy White	Compact	DC Inverter	PAM Control	Auto Restart	24 Hour Timer	Weekly Timer Optional	Centralised On/Off Optional
M-NET connection Optional	Self Diagnosis	Failure Recall	12m 20m KAZ5/35	30m 30m KA50	MXZ connection	Flare connection	Easy Installation With Levelling Plate		

For further information on these features please visit: www.mitsubishi-electric.co.nz



Outdoor Units



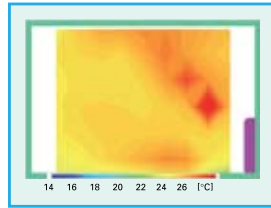
SUZ-KA25/35VA
Dimensions (WxDxH)
800 x 285 x 550mm

SUZ-KA50VA
Dimensions (WxDxH)
840 x 330 x 850mm



Maximum Heat Output, Optimum Air Distribution

Perfect room temperatures at any time are achieved through dual top and bottom air flow with thermostatically controlled vanes to eliminate cool draughts whilst heating.



Mitsubishi Electric Inverter Control allows optimum comfort conditions to be achieved in the shortest period of time. This is vital when outdoor temperatures drop below freezing point or when the unit is first turned on.



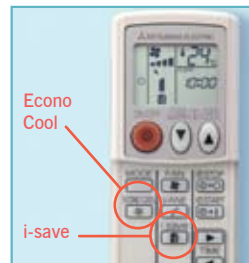
Unique Energy Saving Features

“i-save” Mode

With this function, settings including temperature, fan speed, and airflow direction for both cooling and heating operation can be saved simultaneously. This function can be used to quickly return to your preferred settings. The “i-save” mode can be used as an energy saving function. If the stored “i-save” settings are 2-3°C cooler than the normal temperature setting when activated, the room will be set to the cooler temperature. When the room is reoccupied the button can be pressed to return to the original settings.

Econo Cool

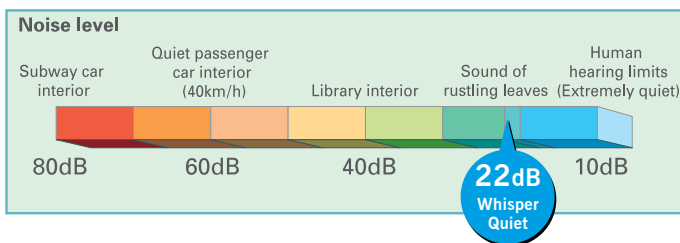
This energy saving function can be selected in cooling mode. The temperature is automatically set to 2°C higher, while the airflow is switched to a swing flow. This airflow pattern feels cooler than constant airflow, allowing reduced energy consumption.



Whisper Quiet Operation

Only **22dB**
MFZ-KA25

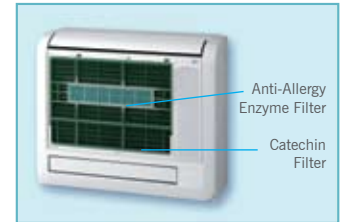
Mitsubishi Electric have a long standing reputation for offering some of the quietest models in the industry. The Deluxe MFZ-KA range is no exception. At only 22 dB(A) on its lowest fan speed, the MFZ-KA25 is super quiet. You want to feel the warmth, not hear it!



Cleaner and Healthier Air

The combination of Catechin + Anti-Allergy Enzyme Filters ensure effective deodorisation, active filtering and the dramatic reduction of common allergens and bacteria. This is the key to cleaner and healthier air.

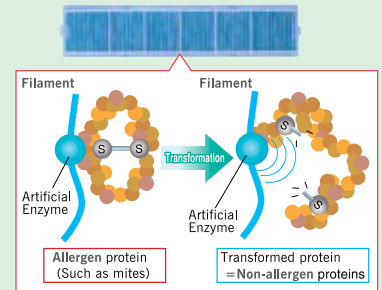
In addition to the “Catechin Filter” with deodorising effect, the “Anti-Allergy Enzyme Filter” traps dust mites and their droppings, pollen and other allergens on the filter filament, then decomposes them with artificial enzymes.*2 What’s more, a sterilising agent combats bacterial and viral effects, all in all supporting a cleaner and healthier air supply.



*2 : Confirmed by the Japan Spinners Inspecting Foundation. Test numbers 007715-1, 007715-2. / Confirmed by Shinshu University.

“Anti-Allergy Enzyme Filter” mechanism

1. Artificial enzyme catalyst on the filament traps the allergens.
2. The artificial enzyme catalyst helps the chemical reaction with Oxygen and severs the S-S bonds.*3
3. Proteins with severed S-S bonds are no longer allergen proteins.



*3 : Mites and other allergen protein consist of sulphur atoms (S) that have bonded together.

Auto Change Over Function

When the desired temperature is reached, the system automatically switches between cooling and heating modes. The selected room temperature can be maintained without user intervention.

For example, when it's frosty in the early morning the unit will operate on heating to maintain a set point of 22°C in heating mode. When the sun rises the unit can switch to cooling to maintain the 22°C set temperature.

Guaranteed Heating Performance to -15°C

Not all heat pumps perform when they are needed most. Our range is guaranteed to effectively provide heating on those cold nights or mornings when you really need it.

Trouble-Free Installation and Maintenance

To install the indoor unit, position with our original installation plate then set the unit in place. Easy levelling work prevents any harm to wall surfaces. Generous pipe length, up to 30 metres*4, eliminates worries about outdoor unit distance. Loaded with automatic diagnosis function, fault recall mode and other sophisticated aids, troubleshooting is immediate though problems are rare.



*4 : MFZ-KA50VA

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 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.

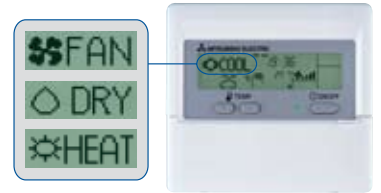
Most air conditioning systems come with a 24 hour timer on the remote controller. This means you can only set the system to automatically turn on and then off once within a 24 hour period. This needs to be manually reactivated each time. The Mitsubishi Electric 7 day timer allows you to program up to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

For example:

- Between 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

Operation Control Function

The PAR-21MAA 7 Day Timer also allows the temperature range to be limited to conserve energy by preventing excessive cooling and heating. The controller panel can also be locked off to prevent random modification.



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

Optional: AG-150 Central Controller (With Touch Screen / Web Server Functions)

Mitsubishi Electric offers the advanced AG-150 central controller. The colour touch screen allows user friendly control of the entire air conditioning system. The system can also be accessed from a computer using a web browser.



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).



Note:

The PAR-21MAA and MAC-821SC-E both require the MAC-397IF-E adaptor per indoor unit.



Specifications

MFZ-KA VA Inverter Compact Floor Console Heat Pump Model (R410A)

TYPE		Compact Floor Console				
		Inverter		Heat Pump		
MODEL	MODEL NAME	MFZ-KA25VA	MFZ-KA35VA	MFZ-KA50VA		
	INDOOR UNIT	MFZ-KA25VA	MFZ-KA35VA	MFZ-KA50VA		
	OUTDOOR UNIT	SUZ-KA25VA	SUZ-KA35VA	SUZ-KA50VA		
COOL	Capacity	Rated	[kW]	2.5	3.5	4.8
		Min-Max	[kW]	0.9 - 3.4	0.9 - 3.9	0.9 - 5.4
	Input	Rated	[kW]	0.58	1.09	1.55
		Min-Max	[kW]	0.19 - 0.94	0.19 - 1.25	0.19 - 1.98
	EER (COP)			4.31	3.21	3.1
	Star Rating			6.0	4.5	4.5
	Sound Level	In (Low-SHi*)	[dB(A)]	22 / 27 / 32 / 37	23 / 28 / 33 / 38	32 / 35 / 39 / 43
		Out	[dB(A)]	46	47	51 - 53
	Rated Current (In / Out)		[A]	2.80	5.0	7.0
	Max. Current		[A]	6.4	9.4	16.2
Air Volume In (SHi*)		[L/s]	145	152	178	
HEAT	Capacity	Rated	[kW]	3.4	4.0	6.0
		Min-Max	[kW]	0.9 - 5.1	0.9 - 6.2	0.9 - 7.9
	Input	Rated	[kW]	0.84	1.10	1.86
		Min-Max	[kW]	0.19 - 1.91	0.19 - 2.24	0.19 - 2.81
	COP			4.07	3.64	3.23
	Star Rating			6.0	5.0	4.0
	Sound Level	In (Low-SHi*)	[dB(A)]	22 / 27 / 32 / 37	25 / 28 / 33 / 38	32 / 35 / 39 / 44
		Out	[dB(A)]	46	48	53 - 55
	Rated Current (In / Out)		[A]	4.0	5.0	8.5
	Max. Current		[A]	6.4	9.4	16.2
Air Volume In (SHi*)		[L/s]	152	158	197	
Controller		Infra Red Remote (Optional: PAR-21MAA)				
Power Supply		(Powered from outdoor unit) 230 / Single Phase / 50 Hz				
INDOOR	Dimensions (WxDxH)	[mm]	700 x 200 x 600			
	Weight	[kg]	14			
OUTDOOR	Dimensions (WxDxH)	[mm]	800 x 285 x 550	800 x 285 x 550	840 x 330 x 850	
	Weight	[kg]	33	37	53	
	Sound Level	[dB(A)]	46	47 - 48	51 - 55	
EXT. PIPE	Diameter (Liquid/Gas)	[mm]	6.35 / 9.52	6.35 / 9.52	6.35 / 12.7	
	Max. Length/Height†	[m]	20 / 12	20 / 12	30 / 30	
	Chargeless	[m]	7	7	7	
OPERATION RANGE Outdoor	Cooling	[°C]	-10 / +46	-10 / +46	-10 / +43	
	Heating	[°C]	-15 / +24	-15 / +24	-15 / +24	

ENERGY RATING	6.0		4.5		4.5	
	6.0	6.0	5.0	5.0	4.0	4.0
MODEL	MFZ-KA25	MFZ-KA35	MFZ-KA50	MFZ-KA25	MFZ-KA35	MFZ-KA50
COOL	2.5kW	3.5kW	4.8kW	4.31 EER	3.21 EER	3.10 EER
	22 dB(A)*	23 dB(A)*	32 dB(A)*	22 dB(A)*	25 dB(A)*	32 dB(A)*
HEAT	3.4kW	4.0kW	6.0kW	4.07 COP	3.64 COP	3.23 COP
	22 dB(A)*	25 dB(A)*	32 dB(A)*	22 dB(A)*	25 dB(A)*	32 dB(A)*

*Sound Levels rated at lowest fan speed.
**For MFZ-KA25VA, as at 1st May 2009.

5 Year Warranty

Mitsubishi Electric Air Conditioners / Heat Pumps come with a full 5 year parts, labour and compressor warranty. Warranty conditions apply. Please be aware of these conditions prior to purchasing this product.

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

*Sound Level: Low / Medium / High / Super High.
(SHi = Super High).
Colour: Heat pump units shown may not be colour accurate, please ensure you view an actual unit for colour matching.
† Maximum length is inclusive of height differential. i.e. (20/12) means the pipe can be 12m high and 8m across for a total length of 20m.



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www.mitsubishi-electric.co.nz

COMFORT FOR ALL OF NEW ZEALAND.

Relax in comfort from burning summer days or freezing cold nights with up to four times the energy efficiency of conventional heating appliances. Mitsubishi Electric cuts your heating costs and your budget.

An extensive feature-rich range ensures there is a model to meet your needs, our contemporary styling will compliment any interior. All this with the whisper quietness you have come to expect from Mitsubishi Electric.

Everyone deserves a home where they can rely on year round superior comfort and Mitsubishi Electric is able to make that possible.



Smarter Heating

Whether you're looking for a new Heat Pump or wanting to learn how to use your Heat Pump more efficiently www.smarterheating.co.nz has the answer.

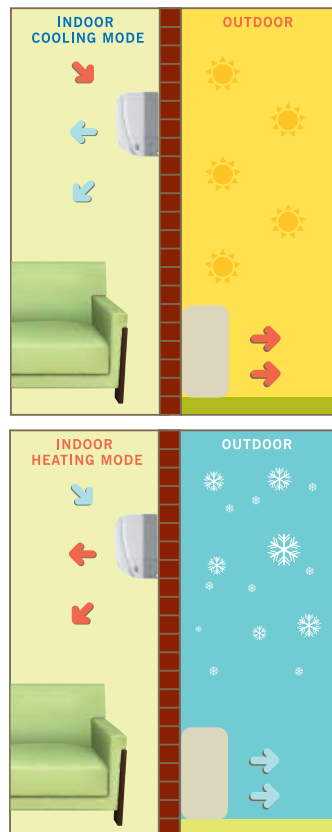
This online site was specifically developed by Mitsubishi Electric to answer the most common Heat Pump questions so that consumers can make truly informed decisions.

HOW DO HEAT PUMPS WORK?

It's actually quite simple. Mitsubishi Electric Heat Pumps work in much the same way as your refrigerator except there are two separate, but integral, parts to the system. There is an outdoor unit housing the compressor that is similar to the exterior back of your fridge, this extracts freely available heat energy from the outside air and transfers or "pumps" it back inside your home. The result – you feel warm inside.

During the summer the Heat Pump reverses this operation, extracting heat energy from the air inside your home and pumping it outside. The end effect - you feel cooler inside!

For more information visit: www.smarterheating.co.nz

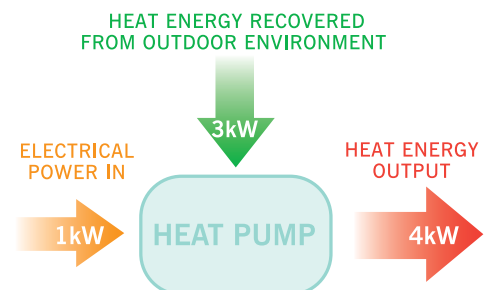


HEAT PUMPS OFFER MAXIMUM ENERGY EFFICIENCY.

EECA (Energy Efficiency Conservation Authority) has identified Heat Pumps as one of the most energy efficient forms of heating available in New Zealand. Heat Pumps do not create heat; they simply move available heat from one place to another. The little electrical energy that is needed is predominantly used to run the compressor.

Typically, only 1kW of electrical energy is required to "pump" up to 4kW of available heat energy from the outdoor environment to a specific area

inside the home. In other words, the Heat Pump transfers a lot more available energy than it actually consumes. With energy efficiencies of up to 400%, this is why Heat Pumps are promoted by EECA as one of the most energy efficient forms of heating available to New Zealanders. This is often represented as a COP (Co-efficient Of Performance). The ratio of kW input to kW output. In the example above the COP would be 4.



New Recessable Compact Floor Consoles

Now our slim-line gets even slimmer.

Our 'Compact Floor Console' now comes as a Wall Recess Model... for a 30% slimmer profile.



Plus it's New Zealand's Quietest Floor Console.