

Inverter High Wall MSZ-GE Series

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

- New Zealand's Quietest Heat Pump at only 19 dBA*
- High Energy Efficiency
- Unique Energy Saving Features
- MSZ-GE60/71/80 now with 7 Day Timer on Handheld Remote



* The MSZ-GE25 & MSZ-GE35 are 19dB(A) when operating on their lowest fan speed (Quiet Mode), as at 1st May 2009.

New Zealand's Quietest Heat Pump... *Ever.*

New Zealand's Quietest Heat Pumps* Unique Energy Saving Features New Programmable 7 Day Timer

From
19dBA*



The new MSZ-GE Series features New Zealand's two quietest Heat Pumps at just 19 dBA* and industry leading quietness across all models. Increased energy efficiency across the range combined with new energy saving features including "i-save" mode and Econo Cool ensure the highest level of energy efficiency without compromising on performance or quality.

The MSZ-GE60/71/80 also include a fully programmable 7 day timer in-built into the handheld remote to allow up to four pattern settings for each day of the week. This control ensures your heat pump fits around your lifestyle, saving both time and money.

* The MSZ-GE25 & MSZ-GE35 are 19 dB(A) when operating on their lowest fan speed (Quiet Mode), as at 1st May 2009.



MSZ-GE25~50VA

Dimensions (W x D x H): 798 x 232 x 295mm



MSZ-GE60~80VA

Dimensions (W x D x H): 1,100 x 238 x 325mm



MSZ-GE25VA (MSZ-GE25VA + MUZ-GE25VA)

Cooling Capacity: 2.5 (1.1~3.5) kW

Heating Capacity: 3.2 (1.3~4.5) kW



MSZ-GE35VA (MSZ-GE35VA + MUZ-GE35VA)

Cooling Capacity: 3.5 (1.4~3.9) kW

Heating Capacity: 4.0 (1.4~4.8) kW



MSZ-GE50VA (MSZ-GE50VA + MUZ-GE50VA)

Cooling Capacity: 5.0 (1.4~5.4) kW

Heating Capacity: 5.8 (1.4~7.2) kW



MSZ-GE60VA (MSZ-GE60VA + MUZ-GE60VA)

Cooling Capacity: 6.0 (1.5~7.5) kW

Heating Capacity: 6.8 (2.0~9.3) kW



MSZ-GE71VA (MSZ-GE71VA + MUZ-GE71VA)

Cooling Capacity: 7.1 (2.4~8.7) kW

Heating Capacity: 8.1 (2.2~9.9) kW



MSZ-GE80VA (MSZ-GE80VA + MUZ-GE80VA)

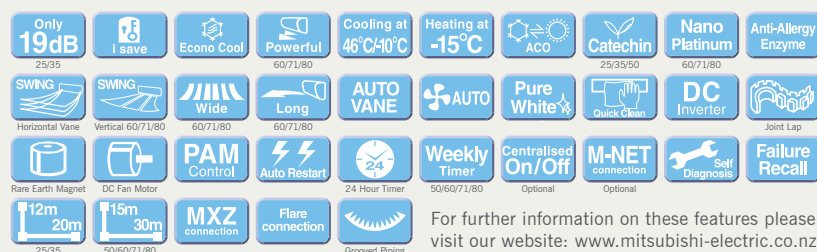
Cooling Capacity: 8.0 (2.4~9.2) kW

Heating Capacity: 9.0 (2.2~11.1) kW



Features

HEAT PUMP



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

Outdoor Units



MUZ-GE25~35VA

Dimensions (WxDxH)
800 x 285 x 550mm



MUZ-GE50~80VA

Dimensions (WxDxH)
840 x 330 x 880mm
GE50 (H) : 850mm



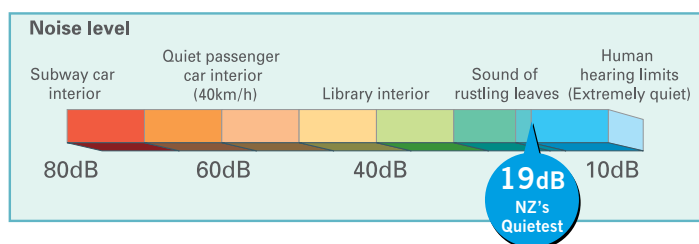
New Zealand's Quietest Heat Pumps

Only
19dB
MSZ-GE25/35

The new MSZ-GE Series features the two quietest Heat Pumps available in New Zealand.

Mitsubishi Electric has introduced a new fan speed rating system. The new lowest setting is called 'Quiet' fan speed and is the equivalent to low fan speed in the previous MSZ-GA/GB Series. This new rating system has allowed Mitsubishi Electric to produce even quieter Heat Pumps, in fact the MSZ-GE25 and MSZ-GE35 are New Zealand's Quietest Heat Pumps at just 19 dB(A) on their lowest fan speed (Quiet fan speed).

This means even on Quiet fan speed you can be assured these heat pumps will not compromise on home comfort.



MODEL	MSZ-GE25	MSZ-GE35	MSZ-GE50	MSZ-GE60	MSZ-GE71	MSZ-GE80
COOL	19dB(A)	19dB(A)	28dB(A)	29dB(A)	30dB(A)	30dB(A)
HEAT	19dB(A)	19dB(A)	28dB(A)	29dB(A)	30dB(A)	30dB(A)

Sound Levels rated at lowest fan speed.

Higher Energy Efficiency

The combination of cutting-edge inverter technologies and a highly efficient heat exchanger allows the MSZ-GE Series to produce remarkable energy efficiencies. Compared to its predecessor the MSZ-GA/GB Series, the MSZ-GE Series has improved EER and COP ratings across all models.

The entire MSZ-GE Series have gained the ENERGY STAR Mark showing that they achieve the highest levels of energy efficiency. You can rest assured the MSZ-GE Series will provide the highest level of energy efficiency without compromising on performance or quality.

ENERGY RATING	6.0	6.0	4.5	6.0	5.5	4.5
MODEL	MSZ-GE25	MSZ-GE35	MSZ-GE50	MSZ-GE60	MSZ-GE71	MSZ-GE80
COOL	2.5 kW 4.46 EER	3.5 kW 3.47 EER	5.0 kW 3.05 EER	6.0 kW 3.40 EER	7.1 kW 3.33 EER	8.0 kW 3.12 EER
HEAT	3.2 kW 4.38 COP	4.0 kW 3.88 COP	5.8 kW 3.52 COP	6.8 kW 3.84 COP	8.1 kW 3.83 COP	9.0 kW 3.54 COP



ENERGY STAR is the global mark of energy efficiency. All models in the MSZ-GE Series have been awarded the ENERGY STAR signaling that they meet strict energy efficiency guidelines.

Pure White, Flat Panel Styling

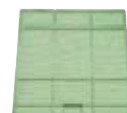
The understated, clean lines of the new pure white finished MSZ-GE Series will fit seamlessly into any interior.

The compact sizing of the MSZ-GE25/35/50 at only 798mm allow a wide range of applications from small to even larger rooms.



Healthy Catechin Filter (MSZ-GE25/35/50)

Catechin is a Bioflavonoid that is found in green tea. It has both antiviral and antioxidant qualities and also offers excellent deodorising characteristics. Because of these unique properties Mitsubishi Electric has incorporated this compound in its filters for the MSZ-GE25/35/50, to not only improve air quality but also help prevent the spread of airborne bacteria and viruses in the room. The filter can easily be removed and, when washed regularly, will deodorise effectively for over 10 years.



Nano Platinum Filter (MSZ-GE60/71/80)

The Nano Platinum Filter incorporates platinum nanoparticles into the filter material, providing semi-permanent antibacterial and deodorising properties. The size of the three-dimensional surface has been increased, enlarging the filter capture area. These features give the Nano Platinum Filter better dust collection performance than conventional filters. Not only does it improve air quality but it also eliminates bacteria and viruses. This air filter has a semi-permanent lasting effect even after being washed in water.



Anti Allergy Enzyme Filter

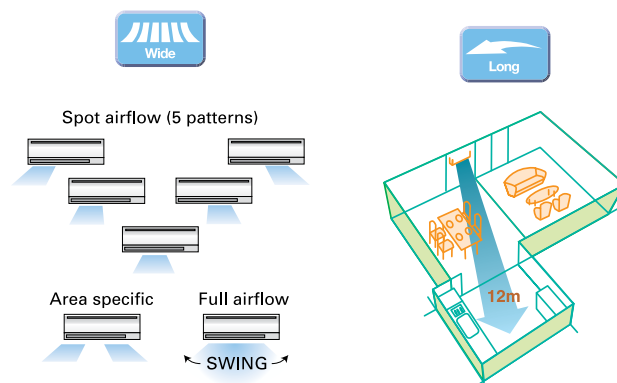
To combat allergens, Mitsubishi Electric offers an Anti Allergy Enzyme Filter with the power to remove harmful microbes such as bacteria*, viruses, dust mites, and pollen. The enzymes destroy any germs caught in the filter, preventing them from working their way further inside the system.

* Confirmed by the Japan Spinners Inspecting Foundation

Wide and Long Airflow (MSZ-GE60/71/80)

The Wide and Long Airflow Modes allow the airflow direction to be adjusted, ensuring every corner of the room is comfortable.

These modes are simply activated at the touch of a button on your remote controller. The Long Mode extends airflow by 12m to reach even the furthest point of large living rooms or enables kitchens to be reached in an open plan environment.



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 cold nights or mornings when you really need it most.



Auto Change Over Function

When the desired temperature is reached, the system automatically switches between cooling and heating modes. The selected temperature in the room can be controlled 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 21°C in heating mode. When the sun rises the unit can switch to cooling to maintain the 21°C set temperature.

Powerful Mode (MSZ-GE60/71/80)



The automatic, one-touch Powerful Mode ensures faster cooling and heating. It produces more airflow than the "Super High" fan speed, cooling/heating the room in less than 15 minutes, then automatically returning to the regular setting.

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.



New

MSZ-GE60/71/80 7-Day Timer. *Turn over for more detail.*



New 7-Day Programmable Timer (MSZ-GE60/71/80)

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

The new MSZ-GE60/71/80 High Wall Inverter Heat Pumps feature a fully programmable timer that allows heat pump operation to match your lifestyle. The 7-Day Timer function allows up to four settings (per 24-hour period) including Start/Stop operation and Temperature changes. This breakthrough ensures higher comfort levels while the home is occupied saving both time and money.

Turning a heat pump on and off typically uses the most energy because the room must be heated from a very low temperature. The temptation is to turn the heat pump onto a high temperature setting like 27°C to heat the room up faster. However this will not heat your room faster but will actually consume more energy as the heat pump works to reach the temperature. Having your heat pump start up before you wake or return home means you will enjoy the warmth provided by your Mitsubishi Electric Heat Pump in the most efficient way possible.

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 eliminates the need to reset the timer daily.

Example - Weekday Setting:

- **6am** : The temperature automatically changes to 21°C.
- **8am** : The heat pump turns off while the home is unoccupied.
- **5pm** : The heat pump turns back on and with the temperature set at 21°C, this warms the home in preparation for your return home.
- **11pm** : The temperature reduces to 18°C, while you are sleeping for energy saving operation.

Example - Weekend Setting:

- **7am** : The temperature automatically changes to 21°C .
- **9am** : The temperature reduces to 18°C, as the outside temperature warms.
- **5pm** : The temperature increases to 21°C as outside air temperature is drops.
- **11pm** : The temperature reduces to 18°C, while you are sleeping for energy saving operation.



The Smarter Heating Guide

To learn how to program your 7-Day Timer as well as tips on using your Heat Pump in the most efficient way go to:

www.smarterheating.co.nz

Controllers

Optional: PAR-21MAA 7 Day Timer

The controller allows you to program up to 8 separate Start/Stop patterns per day over a 7 day period 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.



PAR-21MAA



AG-150

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).



MAC-397IFE



MAC-821SC-E

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

Quick Clean

The easily detachable front panel is simple to wash, and the airflow vents can be opened for quick cleaning inside



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.

Specifications

MSZ-GE VA Inverter High Wall Heat Pump Model (R410A)

TYPE				High Wall						
				Inverter						
				Heat Pump						
MODEL	MODEL NAME			MSZ-GE25VA	MSZ-GE35VA	MSZ-GE50VA	MSZ-GE60VA	MSZ-GE71VA	MSZ-GE80VA	
	INDOOR UNIT			MSZ-GE25VA	MSZ-GE35VA	MSZ-GE50VA	MSZ-GE60VA	MSZ-GE71VA	MSZ-GE80VA	
	OUTDOOR UNIT			MUZ-GE25VA	MUZ-GE35VA	MUZ-GE50VA	MUZ-GE60VA	MUZ-GE71VA	MUZ-GE80VA	
COOL	Capacity	Rated	[kW]	2.5	3.5	5.0	6.0	7.1	8.0	
		Min-Max	[kW]	1.1 - 3.5	1.4 - 3.9	1.4 - 5.4	1.5 - 7.5	2.4 - 8.7	2.4 - 9.2	
	Input	Rated	[kW]	0.56	1.01	1.64	1.76	2.13	2.56	
		Min-Max	[kW]	0.21 - 1.15	0.32 - 1.56	0.32 - 2.06	0.28 - 2.38	0.57 - 3.37	0.57 - 3.58	
	EER (COP)			4.46	3.47	3.05	3.40	3.33	3.12	
	Star Rating			6.0	6.0	4.5	6.0	5.5	4.5	
	Sound Level	In (Quiet-SHi*)	[dB(A)]	19 / 21 / 29 / 36 / 42	19 / 22 / 30 / 36 / 43	28 / 33 / 38 / 44 / 49	29 / 37 / 41 / 45 / 49	30 / 37 / 41 / 45 / 49	30 / 37 / 41 / 45 / 49	
		Out	[dB(A)]	46	47	54	55	55	55	
	Rated Current (In / Out)			[A]	2.9	4.7	7.4	7.8	9.4	11.3
	Max. Current			[A]	7.4	8.6	13.0	14.5	16.6	16.6
Air Volume In (SHi*)			[L/s]	188.3	211.7	251.7	305.0	298.3	298.3	
HEAT	Capacity	Rated	[kW]	3.2	4.0	5.8	6.8	8.1	9.0	
		Min-Max	[kW]	1.3 - 4.5	1.4 - 4.8	1.4 - 7.2	2.0 - 9.3	2.2 - 9.9	2.2 - 11.1	
	Input	Rated	[kW]	0.73	1.03	1.65	1.77	2.11	2.54	
		Min-Max	[kW]	0.26 - 1.20	0.34 - 1.55	0.32 - 2.49	0.46 - 2.94	0.52 - 3.25	0.52 - 3.65	
	COP			4.38	3.88	3.52	3.84	3.83	3.54	
	Star Rating			6.0	6.0	5.0	6.0	6.0	5.0	
	Sound Level	In (Quiet-SHi*)	[dB(A)]	19 / 21 / 29 / 36 / 42	19 / 22 / 30 / 36 / 43	28 / 33 / 37 / 43 / 48	29 / 37 / 41 / 45 / 49	30 / 37 / 41 / 45 / 49	30 / 37 / 41 / 45 / 49	
		Out	[dB(A)]	48	48	56	55	55	55	
	Rated Current (In / Out)			[A]	3.8	4.8	7.4	7.8	9.5	11.2
	Max. Current			[A]	7.4	8.6	13.0	14.5	16.6	16.6
Air Volume In (SHi*)			[L/s]	191.7	191.7	241.7	305.0	298.3	298.3	
Controller				Infra Red Remote (Optional: PAR-21MAA)			Infra Red Remote with 7 Day Timer			
Power Supply	(Powered from outdoor unit)			230 / Single Phase / 50 Hz						
INDOOR	Dimensions (WxDxH)	[mm]	798 x 232 x 295				1,100 x 238 x 325			
	Weight	[kg]	10				16			
OUTDOOR	Dimensions (WxDxH)	[mm]	800 x 285 x 550	800 x 285 x 550	840 x 330 x 850	840 x 330 x 880	840 x 330 x 880	840 x 330 x 880		
	Weight	[kg]	30	30	54	50	53	53		
	Sound Level	[dB(A)]	46 - 48	47 - 48	54 - 56	55	55	55		
EXT. PIPE	Diameter (Liquid/Gas)	[mm]	6.35 / 9.52	6.35 / 9.52	6.35 / 12.7	6.35 / 15.88	9.52 / 15.88	9.52 / 15.88		
	Max. Length/Height†	[m]	20 / 12	20 / 12	30 / 15	30 / 15	30 / 15	30 / 15		
	Chargeless	[m]	7	7	7	10	10	10		
OPERATION RANGE Outdoor	Cooling	[°C]	-10 / +46	-10 / +46	-10 / +46	-10 / +46	-10 / +46	-10 / +46		
	Heating	[°C]	-15 / +24	-15 / +24	-15 / +24	-15 / +24	-15 / +24	-15 / +24		

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: Quiet / 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

New publication effective **December 2009**. All features and specifications are subject to change and amendment at anytime.
Where specifications are critical to design or pre-build we advise that you seek confirmation of accuracy from our product management team on (04) 560 9100.