



HEAT PUMPS
AIR CONDITIONING

Inverter High Wall MSZ-GE Series

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

- New Zealand's Quietest Heat Pump from only 19dBA
- All models achieve ENERGY STAR™ mark



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* as well as 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 contained in 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.



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

* The MSZ-GE25 and MSZ-GE33 are 19dB(A) when operating on their lowest fan speed (Quiet), as at April 2011.

MSZ-GE Model Range



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-GE33VA (MSZ-GE33VA + MUZ-GE33VA)

Cooling Capacity: 3.3 (1.4~3.9) kW

Heating Capacity: 4.0 (1.4~4.8) kW



MSZ-GE42VA (MSZ-GE42VA + MUZ-GE42VA)

Cooling Capacity: 4.2 (0.9~4.8) kW

Heating Capacity: 5.4 (1.4~6.0) 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

RTTOA		DC Inverter		Cleaning-free pipe reuse		Optional 7 Day Timers	
Only 19dB 25/33	i save	Econo Cool	Powerful	Cooling at 46°C/40°C	Heating at -15°C	ACO	Catechin
SWING Horizontal Vane	SWING Vertical 60/71/80	Wide	Long	AUTO VANE	AUTO	Pure White	DC Inverter
Rare Earth Magnet	DC Fan Motor	PAM Control	Auto Restart	24 Hour Timer	Weekly Timer	Centralised On/Off	M-NET connection
12m 20m	15m 30m	MXZ connection	Flare connection	Grooved Piping		Self Diagnosis	Failure Recall

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

Outdoor Units



MUZ-GE25~42VA

Dimensions (WxDxH)
800 x 285 x 550mm

MUZ-GE50~80VA

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



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.

The lowest set temperature in normal heating operation is 16°C. The unique "i-save" mode allows for a set back temperature of 10°C when maximum heating is not required, resulting in further energy savings.

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.





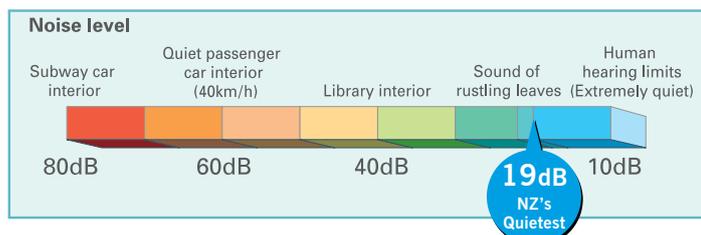
New Zealand's Quietest Heat Pumps

Only **19dB**
MSZ-GE25/33

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

Mitsubishi Electric has introduced the new fan speed 'Quiet' resulting in even quieter Heat Pumps. In fact the MSZ-GE25 and MSZ-GE33 are New Zealand's Quietest Heat Pumps at just 19 dB(A) on their lowest fan speed (Quiet).

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



MODEL	GE25	GE33	GE42	GE50	GE60	GE71	GE80
COOL	19dB(A)	19dB(A)	26dB(A)	28dB(A)	29dB(A)	30dB(A)	30dB(A)
HEAT	19dB(A)	19dB(A)	26dB(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 annual energy efficiencies (AEER & ACOP).

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	4.0	2.5	2.0	1.5	2.0	2.0	1.5
PREVIOUS	6.0	6.0	5.5	4.5	6.0	5.5	4.5
MODEL	GE25	GE33	GE42	GE50	GE60	GE71	GE80
COOL	2.5 kW 4.25 AEER	3.3 kW 3.69 AEER	4.2 kW 3.34 AEER	5.0 kW 3.06 AEER	6.0 kW 3.49 AEER	7.1 kW 3.39 AEER	8.0 kW 3.12 AEER
HEAT	3.2 kW 4.31 ACOP	4.0 kW 3.82 ACOP	5.4 kW 3.54 ACOP	5.8 kW 3.56 ACOP	6.8 kW 3.75 ACOP	8.1 kW 3.75 ACOP	9.0 kW 3.52 ACOP

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 pure white finished MSZ-GE Series will fit seamlessly into any interior. The compact sizing of the MSZ-GE25/33/42/50 at only 798mm allow a wide range of applications within the home.



Healthy Catechin Filter (MSZ-GE25/33/42/50)

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-GE25/33/42/50, 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

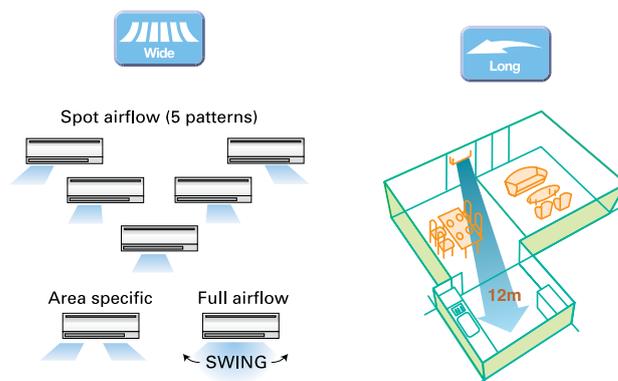
To combat allergens, Mitsubishi Electric offers an Anti Allergy Enzyme Filter with the power to remove harmful microbes such as bacteria*, viruses, dust mites, and pollen. The enzymes destroy any germs caught in the filter, preventing them from working their way further inside the system.

* 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 designed with heating in mind and is guaranteed to effectively provide heating on cold nights or mornings when you really need it most.



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. When turning the heat pump on the temptation is to increase the temperature setting in an effort to heat the room up faster. However this strategy will not improve the time it takes to heat the room, but will instead 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.

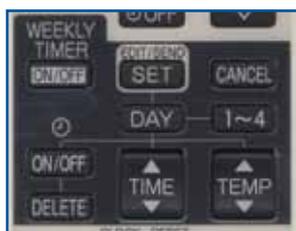
Most air conditioning systems come with a 24-hour timer on the remote controller. This means you can only set the system to automatically turn on and then off once within a 24-hour period. This needs to be manually reactivated each time. The Mitsubishi Electric 7-Day Timer eliminates the need to reset 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 up.
- **5pm** : The temperature increases to 21°C as outside air temperature cools down.
- **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-30MAA with Backlit Screen and PAR-21MAA Wired 7-Day Timers

These controllers allow 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-30MAA

PAR-21MAA

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-821SC-E

MAC-3971FE

Note: The PAR-21MAA, PAR-30MAA and MAC-821SC-E all require the MAC-3971FE adaptor per indoor unit.

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

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. Other advanced controllers available, visit www.mitsubishi-electric.co.nz



AG-150

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-GE33VA	MSZ-GE42VA	MSZ-GE50VA	MSZ-GE60VA	MSZ-GE71VA	MSZ-GE80VA	
	INDOOR UNIT			MSZ-GE25VA	MSZ-GE33VA	MSZ-GE42VA	MSZ-GE50VA	MSZ-GE60VA	MSZ-GE71VA	MSZ-GE80VA	
	OUTDOOR UNIT			MUZ-GE25VA	MUZ-GE33VA	MUZ-GE42VA	MUZ-GE50VA	MUZ-GE60VA	MUZ-GE71VA	MUZ-GE80VA	
COOL	Capacity	Rated	[kW]	2.5	3.3	4.2	5.0	6.0	7.1	8.0	
		Min-Max	[kW]	1.1 - 3.5	1.4 - 3.9	0.9 - 4.8	1.4 - 5.4	1.5 - 7.5	2.4 - 8.7	2.4 - 9.2	
	Input	Rated	[kW]	0.56	0.91	1.26	1.64	1.76	2.13	2.56	
		Min-Max	[kW]	0.21 - 1.15	0.32 - 1.56	0.16 - 1.94	0.32 - 2.06	0.28 - 2.38	0.57 - 3.37	0.57 - 3.58	
	AEER			4.25	3.69	3.34	3.06	3.49	3.39	3.12	
	Star Rating (Previous Star Rating)			4.0 (6.0)	2.5 (6.0)	2.0 (5.5)	1.5 (4.5)	2.0 (6.0)	2.0 (5.5)	1.5 (4.5)	
	Sound Level	In (Quiet-SHi*)	[dB(A)]	19-21-29-36-42	19-22-30-36-43	26-30-35-40-46	28-33-38-44-49	29-37-41-45-49	30-37-41-45-49	30-37-41-45-49	
		Out (SPL*)	[dB(A)]	46	47	50	54	55	55	55	
	Rated Current (In+Out)			[A]	2.9	4.3	5.8	7.4	7.8	9.4	11.3
	Max. Current			[A]	7.4	8.6	10	13.0	14.5	16.6	16.6
Air Volume In (SHi*)			[L/s]	188.3	211.7	211.7	251.7	305.0	298.3	298.3	
HEAT	Capacity	Rated	[kW]	3.2	4.0	5.4	5.8	6.8	8.1	9.0	
		Min-Max	[kW]	1.3 - 4.5	1.4 - 4.8	1.4 - 6.0	1.4 - 7.2	2.0 - 9.3	2.2 - 9.9	2.2 - 11.1	
	Input	Rated	[kW]	0.73	1.03	1.54	1.65	1.77	2.11	2.54	
		Min-Max	[kW]	0.26 - 1.20	0.34 - 1.55	0.27 - 2.04	0.32 - 2.49	0.46 - 2.94	0.52 - 3.25	0.52 - 3.65	
	ACOP			4.31	3.82	3.54	3.56	3.75	3.75	3.52	
	Star Rating (Previous Star Rating)			4.0 (6.0)	3.0 (6.0)	2.5 (5.0)	2.5 (4.0)	3.0 (6.0)	2.5 (6.0)	2.5 (5.0)	
	Sound Level	In (Quiet-SHi*)	[dB(A)]	19-21-29-36-42	19-22-30-36-43	26-30-35-40-46	28-33-37-43-48	29-37-41-45-49	30-37-41-45-49	30-37-41-45-49	
		Out (SPL*)	[dB(A)]	48	48	51	56	55	55	55	
	Rated Current (In+Out)			[A]	3.8	4.8	7.0	7.4	7.8	9.5	11.2
	Max. Current			[A]	7.4	8.6	10	13.0	14.5	16.6	16.6
Air Volume In (SHi*)			[L/s]	191.7	191.7	218.3	241.7	305.0	298.3	298.3	
Controller				Infra Red Remote (Optional: PAR-21 or PAR30 Wired 7 Day Timer)				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	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	36	54	50	53	53	
	Sound Level (SPL*/Power)		[dB(A)]	46-48 / 58-59	47-48 / 61-62	50-51 / 62-64	54-56 / 69	55 / 69	55 / 69	55 / 69	
EXT. PIPE	Diameter (Liquid/Gas)		[mm]	6.35 / 9.52	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	20 / 12	30 / 15	30 / 15	30 / 15	30 / 15	
	Chargeless		[m]	7	7	7	7	10	10	10	
OPERATION RANGE Outdoor	Cooling		[°C]	-10 / +46	-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	-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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