

# **ECOCORE**<sup>®</sup> GL Series

Super Energy Efficient High Wall Heat Pumps



# EcoCore GL Series



The EcoCore High Wall Heat Pump Range sets a new standard in super energy efficient heating and cooling. Next generation EcoCore Technology is designed to use less power than ever before, and because they are very quiet, they are ideal where it matters most – in living rooms and bedrooms!



## Next Generation EcoCore Technology

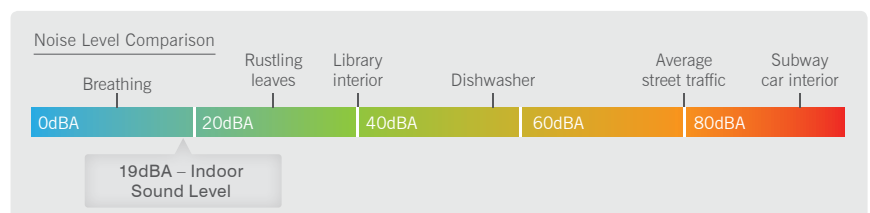
Superior energy efficiency is achieved by incorporating a large, high-density heat exchanger, an advanced high-efficiency fan motor and a next generation compressor using the latest super efficient R32 refrigerant.

With an eye towards a green tomorrow, Mitsubishi Electric have incorporated R32 refrigerant into the EcoCore Series Heat Pumps.

This move towards a more environmentally friendly refrigerant reduces the global warming potential (GWP) by two thirds in comparison to previous R410A and with better thermal dynamic properties than R410A, provides increased energy efficiency.

## Whisper Quiet Operation

Starting from barely a whisper, our energy efficient EcoCore Heat Pump Series ensures you only feel the warmth, not hear it. The GL25/35 indoor units start at a hushed 19dBA on their lowest fan speed in heating mode.



## Advanced Filtration

The EcoCore Series is equipped with a standard air filter and an Anti-Allergy Enzyme Filter. This washable air cleaning filter traps harmful particles such as dust, pollen and other airborne contaminants that can cause allergic reactions.

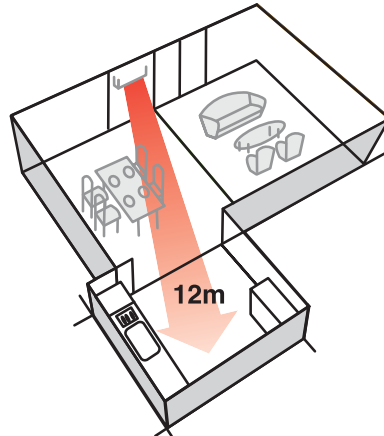
Furthermore, the filter itself is infused with an artificial Enzyme Catalyst that helps break down harmful microbes such as bacteria, mould and dust mites.



## Wide and Long Airflow\*

The Wide Airflow Mode enables the airflow direction to be adjusted from left to right and is ideal for open plan environments ensuring every corner of the room is comfortable.

The Long Airflow Mode extends airflow by up to 12m to reach even the furthest point of open plan or larger living spaces. These modes are simply activated at the touch of a button on your remote controller.



## 7-Day Programmable Controller

All EcoCore Heat Pumps come standard with a 7-Day Controller, so you can customise your heating and cooling needs to your lifestyle with as much energy efficiency as possible.

## Optional Wi-Fi Control – Never Return to a Cold Home Again

With optional Wi-Fi Control you can pre-heat or cool a room no matter where you are. On the way home, running late, coming home early, or even when you're in a different country, with Wi-Fi Control you'll always arrive home to total comfort.

And because our Wi-Fi Control is now also Amazon Alexa and Google Home enabled, you can take your comfort to the next level and enjoy hands-free heat pump control.



Dimensions (WxDxH): 799 x 232 x 290mm

### MSZ-GL25VGD

Heating Capacity: 3.2 kW | Cooling Capacity: 2.5 kW

### MSZ-GL35VGD

Heating Capacity: 3.7 kW | Cooling Capacity: 3.5 kW

### MSZ-GL42VGD

Heating Capacity: 5.4 kW | Cooling Capacity: 4.2 kW



Dimensions (WxDxH): 923 x 250 x 305mm

### MSZ-GL50VGD

Heating Capacity: 5.8 kW | Cooling Capacity: 4.8 kW

### MSZ-GL60VGD

Heating Capacity: 6.8 kW | Cooling Capacity: 6.0 kW



Dimensions (WxDxH): 1100 x 238 x 325mm

### MSZ-GL71VGD

Heating Capacity: 8.0 kW | Cooling Capacity: 7.1 kW

### MSZ-GL80VGD

Heating Capacity: 9.0 kW | Cooling Capacity: 7.8 kW

**OPTIONAL**  
**Wi-Fi**  
**CONTROL**

## EcoCore GL Series Features

**R32** Next Generation Energy Efficient Compressor

**i-Save Mode**

**7-Day Programmable Controller**

**Large High Density Heat Exchanger**

**Blue Fin Outdoor Coil Protection**

**Optional Wi-Fi Control**

**Whisper Quiet Operation**

**Wide and Long Airflow\***

**Washable Anti-Allergy Enzyme Filter**

**1 Watt Low Standby Power**

\* GL71/80 models only.

# Specifications

QUICK GLANCE	TYPE		High Wall System							
	SERIES		EcoCore GL Series							
	MODEL		MSZ-GL25	MSZ-GL35	MSZ-GL42	MSZ-GL50	MSZ-GL60	MSZ-GL71	MSZ-GL80	
	REFRIGERANT		R32							
	INDOOR UNIT		MSZ-GL25VGD	MSZ-GL35VGD	MSZ-GL42VGD	MSZ-GL50VGD	MSZ-GL60VGD	MSZ-GL71VGD	MSZ-GL80VGD	
	OUTDOOR UNIT		MUZ-GL25VGD	MUZ-GL35VGD	MUZ-GL42VGD	MUZ-GL50VGD	MUZ-GL60VGD	MUZ-GL71VGD	MUZ-GL80VGD	
	COOL		2.5kW 5.10 EER 19 dBA*	3.5kW 4.12 EER 19 dBA*	4.2kW 3.62 EER 26 dBA*	4.8kW 4.10 EER 28 dBA*	6.0kW 3.77 EER 29 dBA*	7.1kW 3.53 EER 30 dBA*	7.8kW 3.31 EER 30 dBA*	
	HEAT		3.2kW 4.85 COP 19 dBA*	3.7kW 4.57 COP 19 dBA*	5.4kW 3.70 COP 26 dBA*	5.8kW 4.23 COP 28 dBA*	6.8kW 4.07 COP 29 dBA*	8.0kW 3.83 COP 30 dBA*	9.0kW 3.53 COP 30 dBA*	
ENERGY RATING										
COOL	Capacity	Rated	[kW]	2.5	3.5	4.2	4.8	6.0	7.1	7.8
		Min-Max	[kW]	1.1-3.6	1.1-4.1	0.9-4.8	1.5-6.2	1.5-7.2	2.4-8.7	2.4-9.2
	Input	Rated	[kW]	0.49	0.85	1.16	1.17	1.59	2.01	2.36
		EER		5.10	4.12	3.62	4.10	3.77	3.53	3.31
	AEER			5.07	4.10	3.61	4.09	3.77	3.53	3.30
	Star Rating			5.5	3.5	2.5	4.0	3.0	2.5	2.0
	Indoor Sound Level	(Quiet)	[dBA]	19	19	26	28	29	30	30
		(Low-SHi*)	[dBA]	24-31-38-44	24-31-38-44	29-35-40-46	33-39-44-49	37-41-45-49	37-41-45-49	37-41-45-53
	Running Current (In+Out)		[A]	2.6	4.0	5.3	5.2	7.1	8.8	10.8
Air Volume In (SHi*)		[L/s]	200	200	205	282	268	290	290	
HEAT	Capacity	Rated	[kW]	3.2	3.7	5.4	5.8	6.8	8.0	9.0
		Min-Max	[kW]	1.3-5.0	1.6-5.1	1.4-6.0	1.6-8.0	2.0-9.3	2.2-9.9	2.2-11.0
	Input	Rated	[kW]	0.66	0.81	1.46	1.37	1.67	2.09	2.55
		COP		4.85	4.57	3.70	4.23	4.07	3.83	3.53
	ACOP			4.82	4.55	3.69	4.22	4.06	3.82	3.52
	Star Rating			5.0	4.5	3.0	3.5	3.5	3.0	2.5
	Indoor Sound Level	(Quiet)	[dBA]	19	19	26	28	29	30	30
		(Low-SHi*)	[dBA]	25-31-38-42	25-31-38-45	29-35-40-46	33-38-43-48	37-41-45-51	37-41-45-51	37-41-45-51
	Running Current (In+Out)		[A]	3.5	3.8	6.6	6.1	7.4	9.1	11.3
Air Volume In (SHi*)		[L/s]	182	200	205	282	290	340	340	
Controller	Standard		7-Day Programmable Controller							
Optional Wired 7-Day Timer		Optional: PAR Controller (interface required)								
Wi-Fi	Optional: MAC-568IF-E									
Power Supply	(Powered From Outdoor Unit)		230 V / Single Phase / 50 Hz							
	Maximum Current	[A]	7.1	7.1	9.5	14.3	14.3	16.5	16.5	
Indoor	Dimensions (WxDxH)	[mm]	799 x 232 x 290			923 x 250 x 305		1100 x 238 x 325		
	Weight	[kg]	10			12.5	13	15.5		
Outdoor	Dimensions (WxDxH)	[mm]	800 x 285 x 550			840 x 330 x 880				
	Weight	[kg]	33	33	34	53	53	55	55	
	Sound Level - SPL/Power (Cooling-Heating)	[dBA]	46-49 / 59-59	50-50 / 62-62	51-52 / 64-64	54-56 / 69-69	55-55 / 69-69	56-55 / 69-69	56-55 / 69-69	
Piping	Diameter (Liquid/Gas)	[mm]	6.35 / 9.52	6.35 / 9.52	6.35 / 9.52	6.35 / 9.52	6.35 / 12.7	6.35 / 12.7	6.35 / 12.7	
	Max. Length/Height <sup>†</sup>	[m]	20 / 12	20 / 12	20 / 12	30 / 15	30 / 15	30 / 15	30 / 15	
	Chargeless Piping Length	[m]	10	10	10	15	15	15	15	
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	
Colour	White									



EER = Energy Efficiency Ratio  
 COP = Coefficient of Performance  
 AEER = Annual Energy Efficiency Ratio  
 ACOP = Annual Coefficient of Performance  
 SPL = Sound Pressure Level

<sup>1</sup> SHi = Super High  
<sup>2</sup> Low-SHi = Low-Medium-High-Super High  
<sup>3</sup> SPL measured under rated operating frequency  
 \* Sound Levels rated at lowest fan speed.

<sup>†</sup> 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.  
 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.

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For more information on Mitsubishi Electric Heat Pumps, please visit [www.mitsubishi-electric.co.nz](http://www.mitsubishi-electric.co.nz) or call our Customer Service Team on **0800 784 382**

All models, features and specifications are subject to change and amendment at anytime. Printed April 2019