ECOCORE® GL Series

Super Energy Efficient High Wall Heat Pumps

MITSUBISHI ELECTRIC

Next Generation High Efficiency Heat Pump Technology

EcoCore GL Series

ECOCORE®

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!

R32

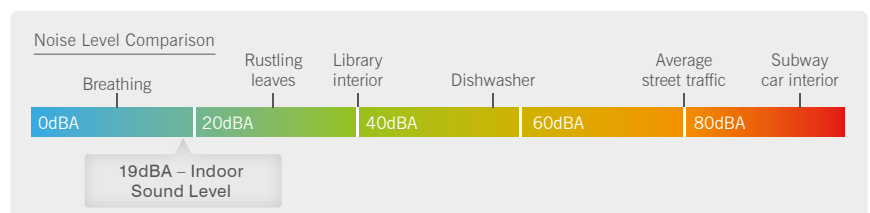**19dBA**

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.

Noise Level Comparison

Breathing	Rustling leaves	Library interior	Dishwasher	Average street traffic	Subway car interior
0dBA	20dBA	40dBA	60dBA	80dBA	

19dBA – Indoor Sound Level

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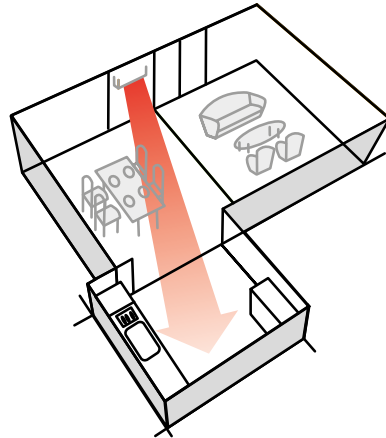
Furthermore, the filter itself is infused with an artificial Enzyme Catalyst that helps break down harmful microbes such as bacteria, mould and dust mites.

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 distance. 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.

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

QUICK GLANCE

	MSZ-GL25	MSZ-GL35	MSZ-GL42	MSZ-GL50	MSZ-GL60	MSZ-GL71	MSZ-GL80
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 / Heat)	5.5 / 5.0	3.5 / 4.5	2.5 / 3.0	4.0 / 3.5	3.0 / 3.5	2.5 / 3.0	2.0 / 2.5

COOL

			MSZ-GL25	MSZ-GL35	MSZ-GL42	MSZ-GL50	MSZ-GL60	MSZ-GL71	MSZ-GL80
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

			MSZ-GL25	MSZ-GL35	MSZ-GL42	MSZ-GL50	MSZ-GL60	MSZ-GL71	MSZ-GL80
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†	[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						