

ECOCORE[®] Series

Super Energy Efficient High Wall Heat Pumps



**NEW
release**

Next Generation High Efficiency Heat Pump Technology

ECOCORE® Series

Super Energy Efficient High Wall Heat Pumps

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



Dimensions (WxDxH): 799 x 232 x 290mm



MSZ-GL25VGD

Heating Capacity: 3.2 kW (min 1.3kW~max 5.0kW)
Heating Efficiency – COP: 4.83 / ACOP: 4.80

Cooling Capacity: 2.5 kW (min 1.1kW~max 3.6kW)
Cooling Efficiency – EER: 5.14 / AEER: 5.11

MSZ-GL42VGD

Heating Capacity: 5.4 kW (min 1.4kW~max 6.0kW)
Heating Efficiency – COP: 3.88 / ACOP: 3.87

Cooling Capacity: 4.2 kW (min 0.9kW~max 4.8kW)
Cooling Efficiency – EER: 3.64 / AEER: 3.63



MSZ-GL35VGD

Heating Capacity: 3.7 kW (min 1.6kW~max 5.1kW)
Heating Efficiency – COP: 4.59 / ACOP: 4.57

Cooling Capacity: 3.5 kW (min 1.1kW~max 4.1kW)
Cooling Efficiency – EER: 4.11 / AEER: 4.09



Dimensions (WxDxH): 923 x 250 x 305mm



MSZ-GL50VGD

Heating Capacity: 5.8 kW (min 1.6kW~max 8.0kW)
Heating Efficiency – COP: 4.19 / ACOP: 4.18

Cooling Capacity: 4.8 kW (min 1.5kW~max 6.2kW)
Cooling Efficiency – EER: 4.32 / AEER: 4.31



MSZ-GL60VGD

Heating Capacity: 6.8 kW (min 2.0kW~max 9.3kW)
Heating Efficiency – COP: 4.13 / ACOP: 4.12

Cooling Capacity: 6.0 kW (min 1.5kW~max 7.2kW)
Cooling Efficiency – EER: 3.83 / AEER: 3.82



Dimensions (WxDxH): 1100 x 238 x 325mm



MSZ-GL71VGD

Heating Capacity: 8.0 kW (min 2.2kW~max 9.9kW)
Heating Efficiency – COP: 3.90 / ACOP: 3.90

Cooling Capacity: 7.1 kW (min 2.4kW~max 8.7kW)
Cooling Efficiency – EER: 3.59 / AEER: 3.58



MSZ-GL80VGD

Heating Capacity: 9.0 kW (min 2.2kW~max 11.0kW)
Heating Efficiency – COP: 3.62 / ACOP: 3.62

Cooling Capacity: 7.8 kW (min 2.4kW~max 9.2kW)
Cooling Efficiency – EER: 3.34 / AEER: 3.33



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

Control your heat pump from anywhere with the award-winning Mitsubishi Electric Wi-Fi Control! To learn more about Wi-Fi Control, visit www.mitsubishi-electric.co.nz/wifi

ECOCORE® Features



6 Energy Star® Awarded Models GL25/35/50/60/71/80



Washable Anti-Allergy Enzyme Filter



Blue Fin Outdoor Coil Protection



Next Generation Super Energy Efficient R32 Compressor



i-Save Mode



7-Day Controller



Large High Density Heat Exchanger



1 Watt Low Standby Power



Optional Wi-Fi Control



Whisper Quiet Operation



Wide and Long Air Flow GL71/80



Energy Star®

The EcoCore® Energy Efficient Heat Pump Series features 6 models that have been awarded the Energy Star® mark, making these some of the most economical in potential yearly running costs in their capacity class.



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 in super efficient R32 refrigerant.



No Other High Wall Heat Pump is Quieter!

Starting from barely a whisper, our EcoCore® Energy Efficient 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. No other heat pump is quieter!

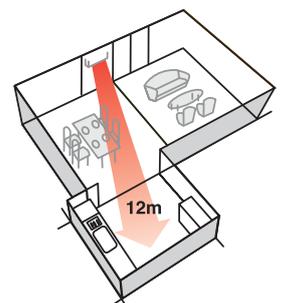


GL25/35 - Quietest in their Class!



Wide and Long Airflow (GL71/80)

The Wide and Long Airflow 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 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.



Advanced Filtration

The Mitsubishi Electric 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.

7-Day Programmable Controller

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



Specifications

QUICK GLANCE	TYPE		High Efficiency High Wall Heat Pumps							
	SERIES		EcoCore® GL Series							
	MODEL		MSZ-GL25VGD	MSZ-GL35VGD	MSZ-GL42VGD	MSZ-GL50VGD	MSZ-GL60VGD	MSZ-GL71VGD	MSZ-GL80VGD	
	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 5.14 EER 19 dBA*	3.5kW 4.11 EER 19 dBA*	4.2kW 3.64 EER 26 dBA*	4.8kW 4.32 EER 28 dBA*	6.0kW 3.83 EER 29 dBA*	7.1kW 3.59 EER 30 dBA*	7.8kW 3.34 EER 30 dBA*	
HEAT		3.2kW 4.83 COP 19 dBA*	3.7kW 4.59 COP 19 dBA*	5.4kW 3.88 COP 26 dBA*	5.8kW 4.19 COP 28 dBA*	6.8kW 4.13 COP 29 dBA*	8.0kW 3.90 COP 30 dBA*	9.0kW 3.62 COP 30 dBA*		
ENERGY STAR®										
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		5.14	4.11	3.64	4.32	3.83	3.59	3.34
	AEER			5.11	4.09	3.63	4.31	3.82	3.58	3.33
	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
	Max. Current		[A]	7.1	7.1	9.5	14.3	14.3	16.5	16.5
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		4.83	4.59	3.88	4.19	4.13	3.90	3.62
	ACOP			4.80	4.57	3.87	4.18	4.12	3.90	3.62
	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
	Max. Current		[A]	7.1	7.1	9.5	14.3	14.3	16.5	16.5
Air Volume In (SHi*)		[L/s]	182	182	205	282	290	315	315	
Controller	Standard		Infrared Remote with 7-Day Timer							
	Optional Wired 7-Day Timer		Optional: PAR-31 (interface required)							
Adaptor	Optional Wi-Fi Adaptor		Optional: MAC-559IF-E							
Power Supply	(Powered From Outdoor Unit)		230 V / Single Phase / 50 Hz							
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	800 x 285 x 550	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 / 12.70	6.35 / 12.70	6.35 / 12.70	
	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							



www.mitsubishi-electric.co.nz

EER = Energy Efficiency Ratio
 COP = Coefficient of Performance
 AEER = Annual Energy Efficiency Ratio
 ACOP = Annual Coefficient of Performance

Sound Level: (SHi = Super High).
 (Low-SHi*) Low / Medium / High / Super High.
 *Sound Levels rated at lowest fan speed.

† 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)

Black Diamond Technologies Limited

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