

# AP Classic & GS Series

## HIGH WALL HEAT PUMP



### Key Features



#### Next Generation R32 Inverter Technology

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



#### Blue Fin Outdoor Coil Protection

Slows the corrosion process on the heat exchanger, caused by salt and sulphur in the air, especially in coastal and high sulphur areas.



#### Filtration for Cleaner Air

The standard air purifying filter traps dust, pollen and other airborne contaminants while the optional washable Anti-Allergy Enzyme Filter effectively breaks down harmful microbes such as bacteria, mould and dust mites.



#### Optional Wi-Fi Control Upgrade

Pre-heat or cool a room no matter where you are, so you'll always arrive home to total comfort.



Dimensions (WxDxH): 798 x 219 x 299mm

#### MSZ-AP35VGD

Heating Capacity: 3.7 kW | Cooling Capacity: 3.5 kW



Dimensions (WxDxH): 923 x 250 x 305mm

#### MSZ-GS50VFD

Heating Capacity: 5.5 kW | Cooling Capacity: 5.0 kW

#### MSZ-GS60VFD

Heating Capacity: 6.6 kW | Cooling Capacity: 6.0 kW



Dimensions (WxDxH): 1100 x 238 x 325mm

#### MSZ-GS71VFD

Heating Capacity: 8.0 kW | Cooling Capacity: 7.1 kW

#### MSZ-GS80VFD

Heating Capacity: 9.0 kW | Cooling Capacity: 7.8 kW

### Key Features – GS50/60/71/80



#### Econo Cool

Econo Cool maximises energy efficient cooling. The target room temperature is automatically switched to Swing Mode to create a cooling breeze effect.



#### Swing Vane Control

In this mode, the vanes will automatically swing vertically ensuring the heat reaches all areas of the room.



#### 12 Hour Programmable Controller

The easy-to-read display offers a variety of operating modes at the touch of a button.

### Key Features – AP35 Classic



#### Dual Barrier Coating Maximises Efficient Performance

The patented and world's first Dual Barrier Coating from Mitsubishi Electric prevents dust and dirt from accumulating on the inner surface of the indoor unit. By keeping your heat pump clean year-round you can rest assured your heat pump will always perform at its best.



#### Washable Air Purifying Filter

The AP35 is equipped with an Air Purifying Filter. This washable filter traps particles such as dust, pollen and other airborne contaminants, generating stable antibacterial and deodorising effects. The size of the three-dimensional surface has been increased from previous models, enlarging the filter capture area. These features give the Air Purifying Filter better dust collection performance than conventional filters.



#### Horizontal Airflow

The AP35 eliminates uncomfortable draughts with Horizontal Airflow in Cooling Mode, by first spreading airflow evenly across the ceiling.



QUICK GLANCE	TYPE		High Wall System											
	SERIES		AP35		GS50		GS60		GS71		GS80			
	INDOOR UNIT		MSZ-AP35VGD		MSZ-GS50VFD		MSZ-GS60VFD		MSZ-GS71VFD		MSZ-GS80VFD			
	OUTDOOR UNIT		MUZ-AP35VG		MUZ-GS50VFD		MUZ-GS60VFD		MUZ-GS71VFD		MUZ-GS80VFD			
	REFRIGERANT		R32											
	COOLING		3.5kW		5.0kW		6.0kW		7.1kW		7.8kW			
	HEATING		3.7kW		5.5kW		6.6kW		8.0kW		9.0kW			
ENERGY RATING		5.0		2.5		3.5 <sup>†</sup>		2.0 <sup>†</sup>		3.5 <sup>†</sup>		2.0 <sup>†</sup>		
COOL	Capacity	Rated	[kW]	3.5		5.0		6.0		7.1		7.8		
		Min-Max	[kW]	1.1-4.1		1.4-5.5		1.4-6.8		1.4-7.3		2.0-9.0		
	Input	Rated	[kW]	0.87		1.39		1.66		2.19		2.40		
	EER				4.02		3.60		3.61		3.24		3.25	
	AEER				4.01		3.55		3.58		3.22		3.23	
	Star Rating <sup>†</sup>				5.0 <sup>†</sup>		3.5 <sup>†</sup>		3.5 <sup>†</sup>		3.0 <sup>†</sup>		3.0 <sup>†</sup>	
	Indoor Sound Level	In (Lo-SHi) <sup>1</sup>	[dBA]	19-24-31-38-45		33-38-44-49		33-38-44-50		33-38-44-50		33-38-44-53		
	Running Current (Rated)			[A]	4.1		6.2		7.4		9.7		10.5	
	Air Volume In <sup>2</sup> (Lo-SHi) <sup>1</sup>			[L/s]	223		167-308		167-322		173-317		173-342	
HEAT	Capacity	Rated	[kW]	3.7		5.5		6.6		8.0		9.0		
		Min-Max	[kW]	1.3-5.1		1.4-6.5		2.0-7.5		2.0-8.6		2.2-10.0		
	Input	Rated	[kW]	0.81		1.43		1.70		2.20		2.55		
	COP				4.57		3.85		3.88		3.64		3.53	
	ACOP				4.55		3.80		3.84		3.61		3.51	
	Star Rating <sup>†</sup>				2.5 <sup>†</sup>		2.0 <sup>†</sup>		2.0 <sup>†</sup>		2.0 <sup>†</sup>		2.0 <sup>†</sup>	
	Indoor Sound Level	In (Lo-SHi) <sup>1</sup>	[dBA]	19-25-31-38-45		33-38-44-49		33-38-44-49		33-39-45-51		33-39-45-51		
	Running Current (Rated)			[A]	3.8		6.4		7.6		10.0		11.9	
	Air Volume In <sup>2</sup> (Lo-SHi) <sup>1</sup>			[L/s]	215		172-308		172-322		177-317		177-317	
Controller	Standard		7-Day Programmable Controller				12 Hour 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											
Indoor	Dimensions (WxDxH)	[mm]	798 x 219 x 299		923 x 250 x 305		923 x 250 x 305		1100 x 238 x 325		1100 x 238 x 325			
	Weight	[kg]	10.5		12.3		12.3		15.2		15.2			
Outdoor	Dimensions (WxDxH)	[mm]	800 x 285 x 550		800 x 285 x 714		800 x 285 x 714		800 x 285 x 714		840 x 330 x 880			
	Weight	[kg]	35		41		41		41		53			
	Sound Level - SPL <sup>2</sup> /PWL (Cooling/Heating)	[dB(A)]	50-50 / 64-64		53-56 / 66-69		53-57 / 66-69		56-57 / 69-69		56-57 / 69-69			
	Breaker Size	[A]	10		16		16		16		20			
Piping	Diameter (Liquid/Gas)	[mm]	6.35 / 9.52		6.35 / 12.7		6.35 / 12.70		6.35 / 12.70		6.35 / 12.70			
	Max. Length/Height <sup>3</sup>	[m]	20 / 12		30 / 15		30 / 15		30 / 15		30 / 15			
Operation Range Outdoor	Cooling	[°C]	-10-46		-10-46		-10-46		-10-46		-10-46			
	Heating	[°C]	-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  
PWL = Sound Power Level  
SHi = Super High

1 Lo-SHi = Low-Medium-High-Super High.  
2 SPL measured under rated operating frequency  
3 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.  
\* Air Volume measured under rated operating  
frequency.

† Star Rating is based on Seasonal  
Energy Efficiency Rating Standard for New  
Zealand - cold zone (GEMS2019).

Rating Conditions (AS / NZS 3823).  
Cooling: Indoor: 27°C DB, 19°C WB. Outdoor: 35°C  
DB, 24°C WB.  
Heating: Indoor: 20°C DB Outdoor: 7°C DB, 6°C WB.



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