

Large Capacity AS90 High Wall

Ideal for Large Open Plan Shared Work Spaces



The Next Generation in Light Commercial R32 Solutions

Large Capacity AS90 High Wall



Combining powerful performance in an elegant and compact case, the AS90 offers high airflow, making it ideal for light commercial applications such as schools, halls, and open plan shared spaces.



The Ideal Solution for Large Spaces

Boasting a capacity of 9.0kW in cooling (10.3kW in heating), this model features next-generation R32 high-efficiency compressor technology, developed and engineered to use less power than ever before. The Wide and Long Airflow Mode, in addition to Powerful Mode, ensures far-reaching coverage making the AS90 ideal for larger, open working spaces.



Next-Generation R32 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 and more environmentally friendly R32 refrigerant.

Powerful Mode

The one-touch Powerful Mode automatically adjusts the fan speed and temperature, guaranteeing full power operation within 15 minutes for faster heating or cooling. After 15 minutes, the unit automatically returns to its previous operation settings.

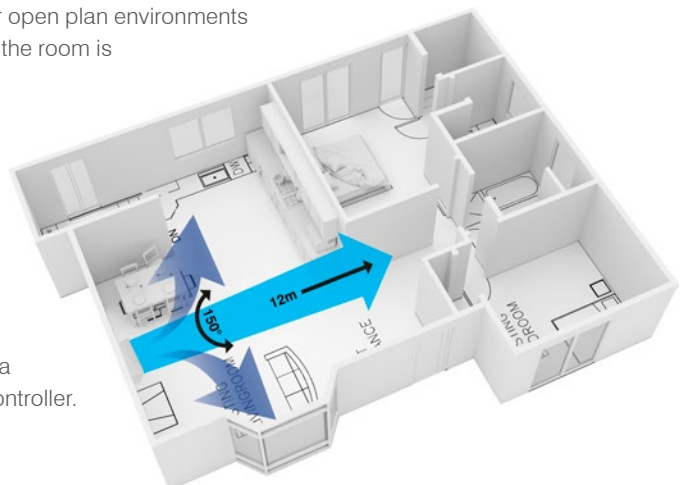


Wide and Long Airflow

The Wide Airflow Mode enables airflow direction to be adjusted from left to right, 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.



Two Stage Advanced Filtration



The AS90 High Wall 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.



Dimensions (WxDxH): 1170 x 295 x 365mm

MSZ-AS90VGD

Heating Capacity: 10.3 kW | Cooling Capacity: 9.0 kW

Econo Cool Function



This intelligent temperature control feature adjusts the airflow distributed in the room depending on the air outlet temperature. Temperature settings can be raised by 2°C without any loss of in-room comfort. That's equal to a gain of up to 20% in energy efficiency.

i-Save Mode



Saves temperature and fan speed combinations, including a set-back temperature of 10°C in Heating Mode when the room is unoccupied. This means that the system will use less energy to reach the desired temperature once the room is reoccupied.

Blue Fin Coating – Built to Withstand the Elements



The heat exchanger of the outdoor unit has been treated with Blue Fin Anti-Corrosion Treatment, slowing the corrosion process caused by salt and sulphur in the air especially in coastal and high sulphur areas.

Night Mode



Night Mode will automatically dim the operation indicator light, displaying any beeping from the indoor unit. Furthermore, the outdoor operating noise level is reduced by 3dBA ensuring quiet nights for both you and your neighbours.

7-Day Programmable Controller



The Large Capacity AS90 High Wall Heat Pump System features a built-in weekly timer, allowing you to program up to four time and temperature settings for each day of the week. The 7-Day Controller is the perfect way to maximise energy efficiency without compromising on comfort.

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



Now you can pre-heat or cool a room no matter where you are. On the way home, running late, or in a different country, with optional Wi-Fi Control[†] you'll always arrive home to total comfort. Now with the ability to monitor your unit's indicative energy use via the App with Wi-Fi Control Heat Pump Energy Monitoring.



OPTIONAL
Wi-Fi
CONTROL[†]

energy
MONITORING

[†] Wi-Fi adapter must be mounted externally.

Specifications

QUICK GLANCE	TYPE		High Wall System	
	SERIES		AS90	
	MODEL		MSZ-AS90	
	REFRIGERANT		R32	
	INDOOR UNIT		MSZ-AS90VGD	
	OUTDOOR UNIT		MUZ-AS90VGD	
	COOL		9.0kW 3.24 EER 30 dBA*	
	HEAT		10.3kW 3.50 COP 32 dBA*	
	ZERL STAR RATINGS	(NZ) Cold Area	3.5	2.0
		Avg Area†	3.0	2.5
		Hot Area†	3.5	3.0
COOL	Capacity	Rated	[kW]	9.0
		Min-Max	[kW]	1.35–10.30
	Total Input	Rated	[kW]	2.78
		EER/AEER		3.24 / 3.23
	Indoor Sound Level	Quiet	[dBA]	30
		Low-SHİ²	[dBA]	36–42–48–54
	Running Current (Rated)		[A]	12.0
	Air Volume In (SHİ³)		[L/s]	463
HEAT	Capacity	Rated	[kW]	10.3
		Min-Max	[kW]	1.60–11.5
		@-15°C	[kW]	-
	Total Input	Rated	[kW]	2.94
		COP / ACOP		3.50 / 3.50
	Indoor Sound Level	Quiet	[dBA]	32
		Low-SHİ²	[dBA]	38–43–47–53
	Running Current (Rated)		[A]	12.6
	Air Volume In (SHİ³)		[L/s]	430
Controller	Standard		7-Day Programmable Controller	
	Optional Wired 7-Day Timer		Optional: PAR Controller (Interface Required)	
Wi-Fi			Optional MAC-588IF-E upgrade for AP Mini, AP Classic Series & AS90 / Built-In to AP Plus Series	
Power Supply	(Powered From Outdoor Unit)		230 V / Single Phase / 50 Hz	
	Maximum Current		[A]	17.6
Indoor	Dimensions (WxDxH)		[mm]	1170 x 295 x 365
	Weight		[kg]	20
Outdoor	Dimensions (WxDxH)		[mm]	840 x 330 x 880
	Weight		[kg]	53
	Sound Level - SPL³/Power (Cooling-Heating)		[dBA]	56-56 / 69-69
Piping	Diameter (Liquid/Gas)		[mm]	6.35 / 12.7
	Max. Length/Height†		[m]	30 / 15
	Chargeless Piping Length		[m]	15
Operation Range	Cooling		[°C]	-10 / 46
	Heating		[°C]	-15 / 24
Indoor Unit Colour		White		

ZERL = Zoned Energy Rating Label
 EER = Energy Efficiency Ratio
 COP = Coefficient of Performance
 AEER = Annual Energy Efficiency Ratio
 ACOP = Annual Coefficient of Performance

SPL = Sound Pressure Level
 † SHİ = Super High
 ‡ Low-SHİ = Low-Medium-High-Super High
 † SPL measured under rated operating frequency
 * Indoor 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.
 ‡ Avg/Hot are Australia only.
 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.

For more information please visit our website or call our Customer Service Team.
www.mitsubishi-electric.co.nz | 0800 784 382

PUBLISHED FEB 2025

 PLEASE LOOK AFTER THE ENVIRONMENT AND RECYCLE



Black Diamond
Technologies Limited



Exclusive New Zealand
Partner Since 1981

