

# MSZ-W SERIES

R410A

MSZ-WN25/35VA

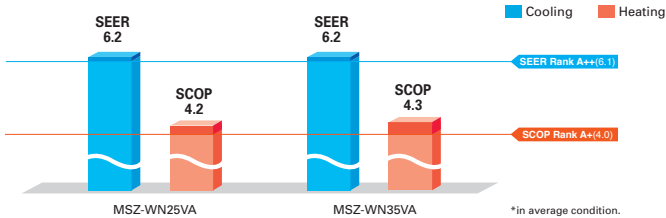


Introducing a stylish indoor unit with high-performance air purifying filters. Wi-Fi and system controller connectivity, and a heating operation range down to  $-15^{\circ}\text{C}$  contribute to greater room comfort.

## Advanced Inverter Control – Efficient Operation All the Time



Mitsubishi Electric's cutting-edge inverter technologies are adopted to provide automatic adjustment of operation load according to need. This reduces excessive consumption of electricity, and thereby realises an Energy Rank "A+".



## Wider Heating Operating Range

As a result of an extended operating range in heating, these models accommodate a wider range of usage environments and applications than previous models.

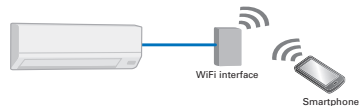
### Operating Range (Heating)



## Wi-Fi and System Control

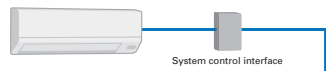
### Wi-Fi Interface (Optional)

Optional interface enabling users to control air conditioners and check operating status via devices such as personal computers, tablets and smartphones.



### System Control Interface (Optional)

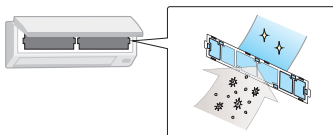
- Remote on/off operation is possible by input to the connector.
- Depending on the interface used, connecting a wired remote-control such as the PAR-32MAA is possible.
- Centralized control is possible when connected to M-NET.



\*Wi-Fi Interface and System Control Interface cannot be used simultaneously.

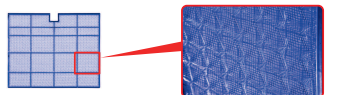
## Silver-ionized Air Purifying Filter

The high performance filter is attached as standard. Captures the bacteria, pollen and other allergens in the air and neutralises them.



## Air Purifying Filter

This filter generates stable antibacterial and deodorising effects. The size of the three-dimensional surface has been increased as well, enlarging the filter capture area. These features give the Air Purifying Filter better dust collection performance than conventional filters. The superior air-cleaning effectiveness raises room comfort yet another level.



\* It is okay to wash the filter with water (air-cleaning effect is maintained)

3D surface (Waved surface)

MSZ-W SERIES



Indoor Unit **R410A**



MSZ-WN25/35VA

Outdoor Unit **R410A**



MUZ-WN25/35VA

Remote Controller



Type		Inverter Heat Pump			
Indoor Unit		MSZ-WN25/35VA		MSZ-WN35/50VA	
Outdoor Unit		MUZ-WN25/35VA		MUZ-WN35/50VA	
Refrigerant		R410A <sup>(1)</sup>			
Power Supply		Indoor Power Supply			
Source		230V/Single-Phase			
Outdoor (V / Phase / Hz)					
Cooling	Design load	kW	2.5	3.1	
	Annual electricity consumption <sup>(2)</sup>	kWh/a	141	173	
	SEER <sup>(3)</sup>		6.2	6.2	
	Capacity	Energy efficiency class		A <sup>++</sup>	A <sup>+</sup>
		Rated	kW	2.5	3.15
Total Input	Rated	kW	1.3 - 3.0	1.4 - 3.5	
	Rated	kW	0.710	1.020	
Design load	at reference design temperature	kW	1.9(-10°C)	2.4(-10°C)	
	at reference design temperature	kW	1.9(-10°C)	2.4(-10°C)	
Declared Capacity	at ambient temperature	kW	1.9(-10°C)	2.4(-10°C)	
	at operation limit temperature	kW	1.6(-15°C)	2.0(-15°C)	
Heating (Average Season)	Back up heating capacity	kW	0.0(-10°C)	0.0(-10°C)	
	Annual electricity consumption <sup>(2)</sup>	kWh/a	628	793	
SCOP <sup>(4)</sup>			4.2	4.3	
	Energy efficiency class		A <sup>+</sup>	A <sup>+</sup>	
Capacity	Rated	kW	3.15	3.60	
	Min-Max	kW	0.9 - 3.5	1.1 - 4.1	
Total Input	Rated	kW	0.850	0.975	
	Rated	kW	0.850	0.975	
Operating Current (Max)	Input	A	5.8	6.5	
	Rated	kW	0.020	0.026	
Operating Current (Max)	Input	A	0.3	0.3	
	Rated	kW	0.020	0.026	
Dimensions	H*W*D	mm	290-799-232	290-799-232	
	Weight	kg	9	9	
Air Vane (SxLx-Mx-H-SxLx-Wx) (Dx) (Wx)	Cooling	m <sup>3</sup> /min	3.8 - 5.5 - 7.3 - 9.5	3.8 - 5.7 - 7.8 - 11.4	
	Heating	m <sup>3</sup> /min	3.5 - 5.5 - 7.5 - 10.0	3.5 - 5.5 - 7.5 - 10.3	
Sound Level (SPL) (SxLx-Mx-H-SxLx-Wx) (Dx) (Wx)	Cooling	dB(A)	22 - 30 - 37 - 43	22 - 31 - 39 - 46	
	Heating	dB(A)	23 - 30 - 37 - 43	23 - 30 - 37 - 44	
Sound Level (PWL)	Cooling	dB(A)	57	60	
	Heating	dB(A)	57	60	
Dimensions	H*W*D	mm	538-699-249	538-699-249	
	Weight	kg	24	25	
Air Volume	Cooling	m <sup>3</sup> /min	31.5	31.5	
	Heating	m <sup>3</sup> /min	31.5	31.5	
Sound Level (SPL)	Cooling	dB(A)	50	52	
	Heating	dB(A)	50	52	
Sound Level (PWL)	Cooling	dB(A)	63	64	
	Heating	dB(A)	63	64	
Operating Current (Max)	A		5.5	6.2	
	Breaker Size	A	10	10	
Diameter	Liquid/Gas	mm	6.35/9.52	6.35/9.52	
	Max. Length	Out-In	m	20	20
Max. Height	Out-In	m	12	12	
	Out-In	m	12	12	
Guaranteed Operating Range (Outdoor)	Cooling	°C	-10 - +46	-10 - +46	
	Heating	°C	-15 - +24	-15 - +24	

(1) Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP. If leaked to the atmosphere. This appliance contains a refrigerant fluid with a GWP<sub>equivalent</sub> equal to 1975. This means that if 1 kg of the refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 1975 times higher than 1 kg of CO<sub>2</sub> over a period of 100 years. Never try to recharge with the refrigerant on your own or disassemble the product yourself and always seek a professional.

(2) The GWP of R410A is 2088 in the IPCC 4th Assessment Report.

(3) Energy consumption based on standard test results. Actual energy consumption will depend on how the appliance is used and where it is located.

(4) SEER: Super High

(5) SEER, SCOP and other related description are based on COMMISSION DELEGATED REGULATION (EU) No 626/2011. The temperature conditions for calculating SCOP are based on "Average Season".

(6) Please see page 63 for heating (warmer season) specifications.