

# MSZ-A SERIES

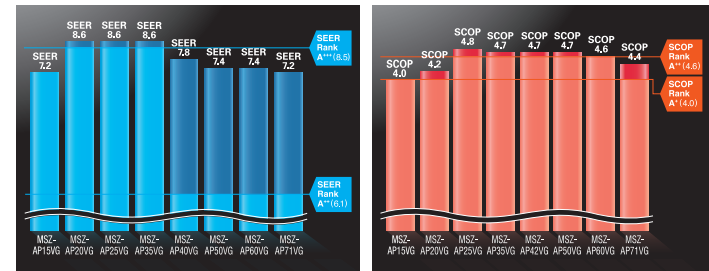
Introducing a compact and stylish indoor unit with various capacity, designed to match number of rooms. High performance indoor and outdoor units enabled to achieve "Rank A+++" for SEER. \*MSZ-AP20/25/35VG



## High energy saving

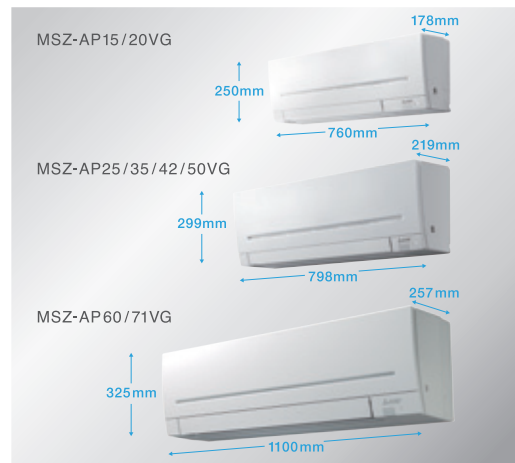
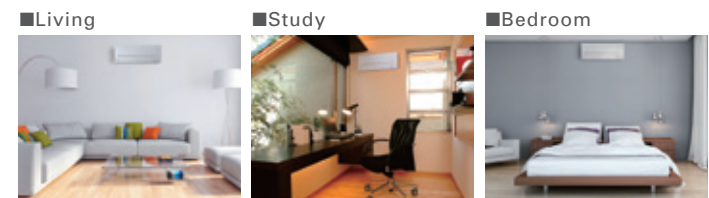


The classes from the low-capacity 25 to the high-capacity 60, have achieved either the "Rank A+++" or "Rank A++" for SEER and SCOP as energy-savings rating. Our air conditioners are contributing to reduce energy consumption in a wide range.



## Compact and stylish

All the classes are introduced as single-split and multi-systems. From small rooms to living rooms, it is possible to coordinate residences with a unified design.



## Evolved comfortable convenience function

### Horizontal Airflow

### Auto Vane Control

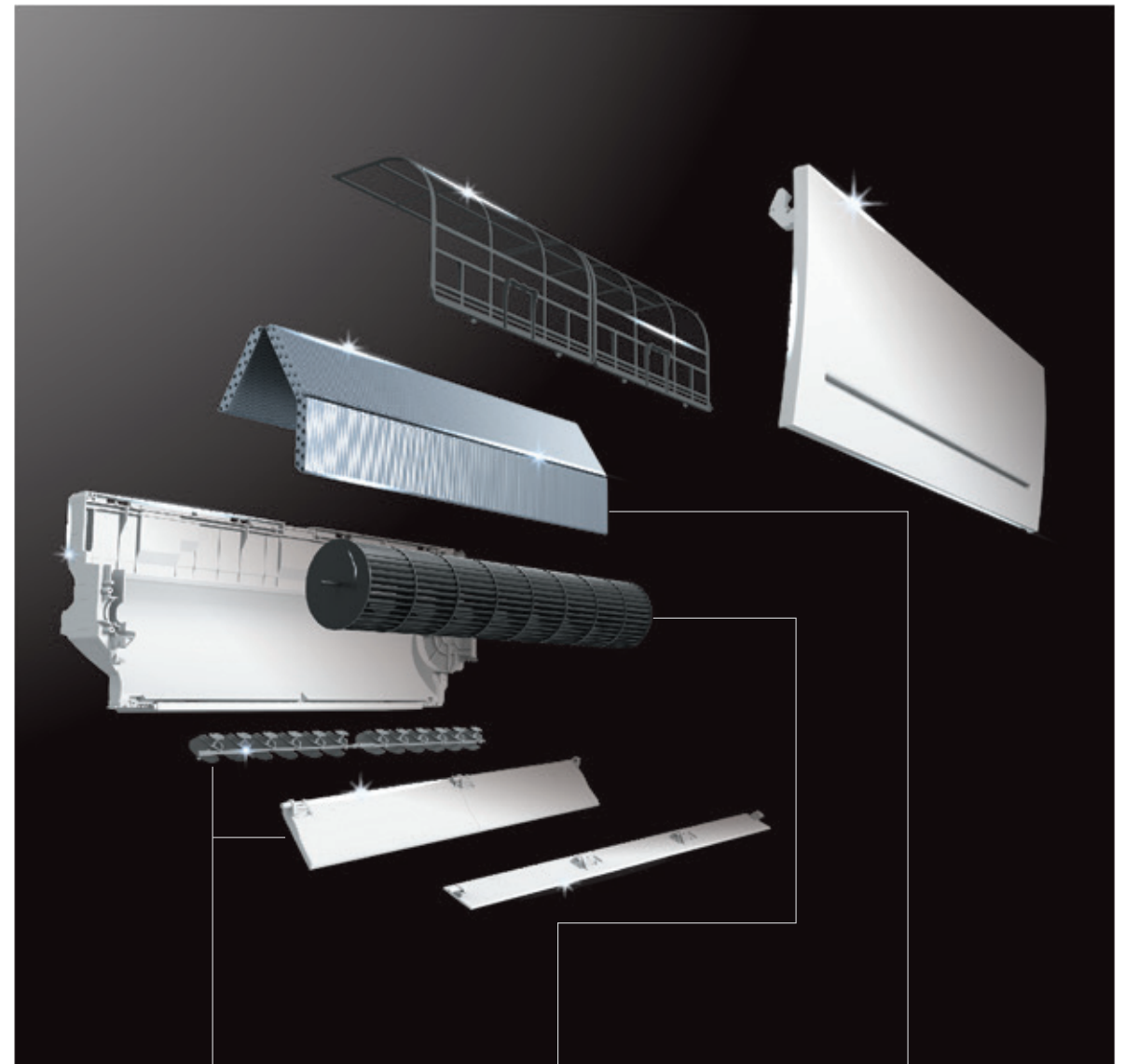
### The Function

- Econo Cool
- AUTO VANE
- Air Purifying Filter
- V Blocking Filter
- SWING
- SWING
- AUTO
- Weekly Timer
- I save
- ACO
- Auto Restart
- Low Temp Cooling
- Group Control
- M-NET connection
- Wi-Fi Interface
- MXZ connection
- 10°C
- Night
- Cleaning the pipe
- Flare connection
- Self Diagnosis
- Failure Recall

The new airflow control which spreads across the ceiling eliminates the uncomfortable drafty feeling.

Auto vanes can be moved left and right, and up and down using the remote controller.

## High performance and compact size are realised by refining all parts



### Vertical and Horizontal Vane

Comfort

New vertical and horizontal vanes are double the size of the previous model, improving airflow control elaborately.

### Line Flow Fan

High Performance

New line flow Fan is 122% larger and 108% wider than the previous model, leading to higher aerodynamic performance. Also, same sound level as the previous model.

### Heat Exchanger

High Performance

New ø5 Heat exchanger enables to realise 32% thinner depth than the previous model. It realises low pressure loss leading to high performance.

## “Weekly Timer”



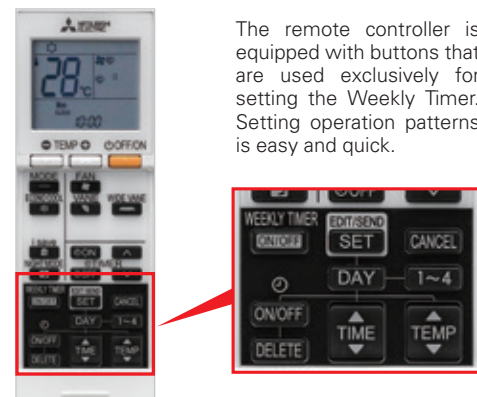
Easily set desired temperatures and operation start/stop times to match lifestyle patterns. Reduce wasted energy consumption by using the timer to prevent forgetting to turn off the unit and eliminate temperature setting adjustments.

### Example Operation Pattern (Winter/Heating mode)

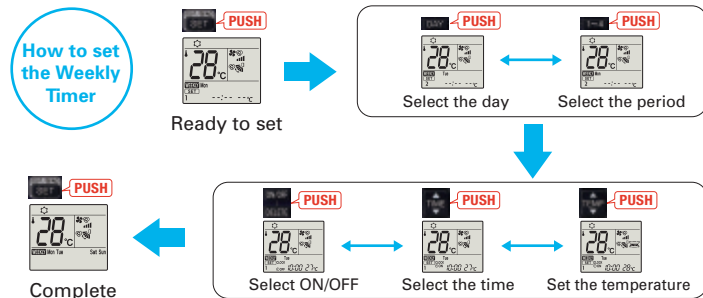
	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.	Sun.
6:00	ON 20°C	ON 20°C	ON 20°C	ON 20°C	ON 20°C	ON 20°C	ON 20°C
8:00	Automatically changes to high-power operation at wake-up time						
10:00	OFF	OFF	OFF	OFF	OFF	ON 18°C	ON 18°C
12:00	Automatically turned off during work hours					Midday is warmer, so the temperature is set lower	
14:00							
16:00							
18:00	ON 20°C	ON 20°C	ON 20°C	ON 20°C	ON 20°C	ON 20°C	ON 20°C
20:00	Automatically turns on, synchronized with arrival at home					Automatically raises temperature setting to match time when outside-air temperature is low	
22:00							
(during sleeping hours)	ON 18°C	ON 18°C	ON 18°C	ON 18°C	ON 18°C	ON 18°C	ON 18°C
	Automatically lowers temperature at bedtime for energy-saving operation at night						

**Settings** **Pattern Settings:** Input up to four settings for each day  
**Settings:** •Start/Stop operation •Temperature setting \*The operation mode cannot be set.

### Easy set-up using dedicated buttons



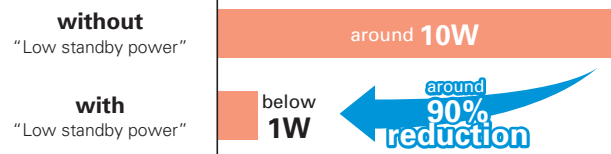
The remote controller is equipped with buttons that are used exclusively for setting the Weekly Timer. Setting operation patterns is easy and quick.



- Start by pushing the “SET” button and follow the instructions to set the desired patterns. Once all of the desired patterns are input, point the top end of the remote controller at the indoor unit and push the “SET” button one more time. (Push the “SET” button only after inputting all of the desired patterns into the remote controller memory. Pushing the “CANCEL” button will end the set-up process without sending the operation patterns to the indoor unit).
- It takes a few seconds to transmit the Weekly Timer operation patterns to the indoor unit. Please continue to point the remote controller at the indoor unit until all data has been sent.
- When “Weekly Timer” is set, temperature can not be set 10°C. (only for 15/20 models)

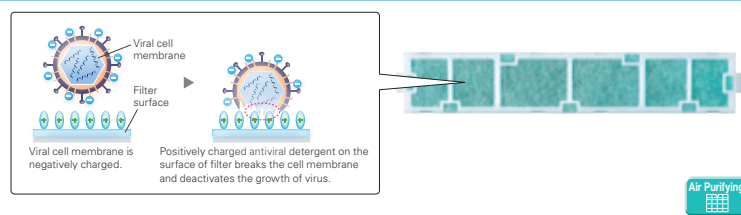
## Low Standby Power

Electrical devices consume standby power even when they are not in actual use. While we obviously strive to reduce power consumption during actual use, reducing this wasted power that cannot be seen is also very important.



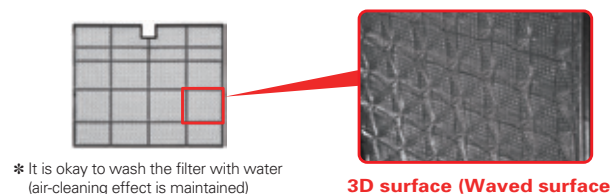
## V Blocking Filter

V Blocking Filter with antiviral effect inhibits 99% of adhered virus, and other harmful substances, such as bacteria, mold and allergen. Two-layered filter with non-woven fabric and electrostatic filter can effectively capture and remove small particles from the air in your room.



## Air Purifying Filter

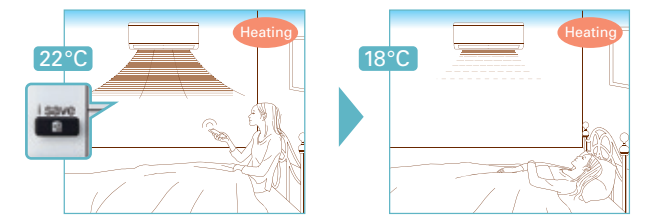
This filter generates stable antibacterial and deodorising effects. The size of the three-dimensional surface has been increased as well, enlarging the filter capture area. These features give the Air Purifying Filter better dust collection performance than conventional filters. The superior air-cleaning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



## “i save” Mode



“i save” is a simplified setting function that recalls the preferred (preset) temperature by pressing a single button on the remote controller. Press the same button twice in repetition to immediately return to the previous temperature setting. Using this function contributes to comfortable, waste-free operation, realising the most suitable air conditioning settings and saving on power consumption when, for example, leaving the room or going to bed.



\* Temperature can be preset to 10°C when heating in the “i-save” mode.

## Outdoor Units for Cold Region

(MSZ-AP25/35/42/50)

Single split-type outdoor units are available in both standard and heater-equipped units. An electric heater is installed in each unit to prevent freezing in cold outdoor environments.



## Night Mode

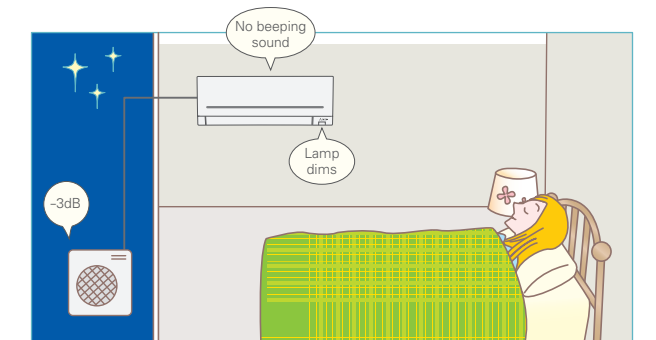
(MSZ-AP20/25/35/42/50/60/71)



When Night Mode is activated using the wireless remote controller, air conditioner operation will switch to the following settings.

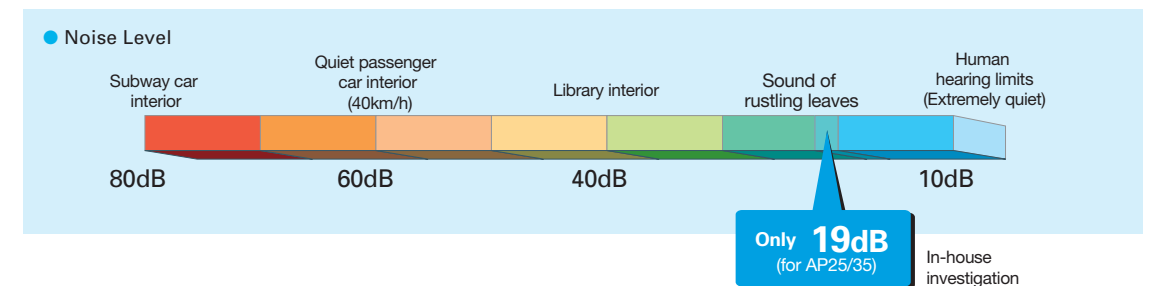
- The brightness of the operation indicator lamp will become dimmer.
- The beeping sound will be disabled.
- The outdoor operating noise will drop to 3dB lower than the rated operating noise specification.

\*The cooling/heating capacity may drop.



## Quiet Operation

The indoor unit noise level is as low as 19dB for AP Series, offering a peaceful inside environment.



## Built-in Wi-Fi Interface

(MSZ-AP15/20/25/35/42/50/60/71VGK)



The indoor unit is equipped with a Wi-Fi Interface inside an exclusive pocket in the unit. This eliminates the need to install a Wi-Fi interface, and also contributes to the beautiful appearance since the interface is hidden.

## LED Backlight Remote Controller



Backlight function incorporated, making screen easy to read in the dark. Even in dimly lit rooms, the screen can be seen clearly for trouble-free remote controller operation.

# MSZ-A SERIES

Indoor Unit **R32 R410A**



MSZ-AP15/20VG(K)



Outdoor Unit **R32**



MUZ-AP15VG



MUZ-AP20VG

Remote Controller



# MSZ-A SERIES



Indoor Unit **R32 R410A**

\*VGK model Wi-Fi Interface built-in.



MSZ-AP25/35/42/50VG(K)



Outdoor Unit **R32**



MUZ-AP25/35/42VG(H)



MUZ-AP50VG(H)/60VG

Remote Controller



Type	Inverter Heat Pump						
Indoor Unit	MSZ-AP15VG(K)	MSZ-AP20VG(K)	MSZ-AP25VG(K)	MSZ-AP25VG(K)	MSZ-AP35VG(K)	MSZ-AP35VG(K)	
Outdoor Unit	MUZ-AP15VG	MUZ-AP20VG	MUZ-AP25VG	MUZ-AP25VG(H)	MUZ-AP35VG	MUZ-AP35VG(H)	
Refrigerant	Single: R32 <sup>(*)</sup> / Multi: R410A or R32 <sup>(*)</sup>						
Power Supply	Outdoor Power supply 230 / Single / 50						
Cooling	Design load	kW					
	Annual electricity consumption <sup>(2)</sup>	kWh/a					
	SEER <sup>(4)</sup>						
	Energy efficiency class	A++					
	Capacity	kW					
Heating (Average Season) <sup>(5)</sup>	Design load	kW					
	Declared Capacity	kW					
	Back up heating capacity	kW					
	Annual electricity consumption <sup>(2)</sup>	kWh/a					
	SCOP <sup>(4)</sup>						
Operating Current (Max)	Input	A					
	Operating Current (Max)	A					
	Dimensions	H*W*D					
	Weight	kg					
	Indoor Unit	Air Volume	m <sup>3</sup> /min				
Sound Level (SPL)		dB(A)					
Sound Level (PWL)		dB(A)					
Dimensions		H*W*D					
Weight		kg					
Outdoor Unit	Air Volume	m <sup>3</sup> /min					
	Sound Level (SPL)	dB(A)					
	Sound Level (PWL)	dB(A)					
	Operating Current (Max)	A					
	Breaker Size	A					
Ext. Piping	Diameter	mm					
	Max.Length	m					
	Max.Height	m					
Guaranteed Operating Range (Outdoor)	Cooling	°C					
	Heating	°C					

(\*) 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 equal to 550. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 550 times higher than 1 kg of CO<sub>2</sub> over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional.  
The GWP of R32 is 675 in the IPCC 4th Assessment Report.  
(2) Energy consumption based on standard test results. Actual energy consumption will depend on how the appliance is used and where it is located.  
(3) SH: Super High  
(4) 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".  
(5) Please see page 53-55 for heating (warmer season) specifications.

Type	Inverter Heat Pump					
Indoor Unit	MSZ-AP42VG(K)	MSZ-AP42VG(K)	MSZ-AP50VG(K)	MSZ-AP50VG(K)	MSZ-AP60VG(K)	MSZ-AP71VG(K)
Outdoor Unit	MUZ-AP42VG	MUZ-AP42VG(H)	MUZ-AP50VG	MUZ-AP50VG(H)	MUZ-AP60VG	MUZ-AP71VG
Refrigerant	Single: R32 <sup>(*)</sup> / Multi: R410A or R32 <sup>(*)</sup>					
Power Supply	Outdoor Power supply 230 / Single / 50					
Cooling	Design load	kW				
	Annual electricity consumption <sup>(2)</sup>	kWh/a				
	SEER <sup>(4)</sup>					
	Energy efficiency class	A++				
	Capacity	kW				
Heating (Average Season) <sup>(5)</sup>	Design load	kW				
	Declared Capacity	kW				
	Back up heating capacity	kW				
	Annual electricity consumption <sup>(2)</sup>	kWh/a				
	SCOP <sup>(4)</sup>					
Operating Current (Max)	Input	A				
	Operating Current (Max)	A				
	Dimensions	H*W*D				
	Weight	kg				
	Indoor Unit	Air Volume	m <sup>3</sup> /min			
Sound Level (SPL)		dB(A)				
Sound Level (PWL)		dB(A)				
Dimensions		H*W*D				
Weight		kg				
Outdoor Unit	Air Volume	m <sup>3</sup> /min				
	Sound Level (SPL)	dB(A)				
	Sound Level (PWL)	dB(A)				
	Operating Current (Max)	A				
	Breaker Size	A				
Ext. Piping	Diameter	mm				
	Max.Length	m				
	Max.Height	m				
Guaranteed Operating Range (Outdoor)	Cooling	°C				
	Heating	°C				

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