

MSZ-AP 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-AP20VG



MSZ-AP15/20VG



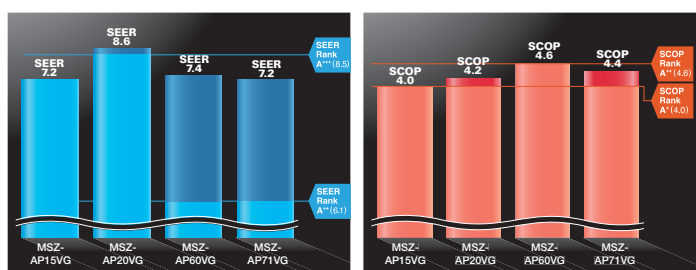
MSZ-AP60/71VG



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.

MSZ-AP15/20VG



MSZ-AP60/71VG



Living



Study

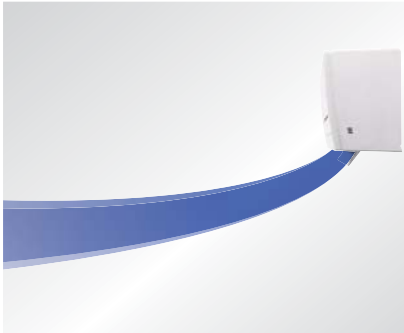


Bedroom



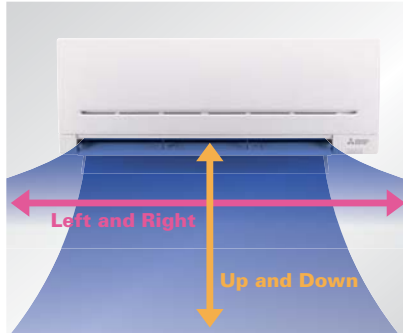
Evolved comfortable convenience function

Horizontal Airflow



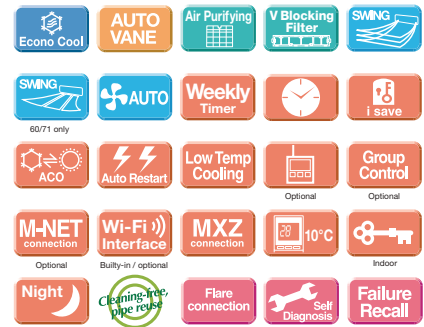
The new airflow control which spreads across the ceiling eliminates the uncomfortable drafty feeling.

Auto Vane Control



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

The Function



"Weekly Timer"

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.

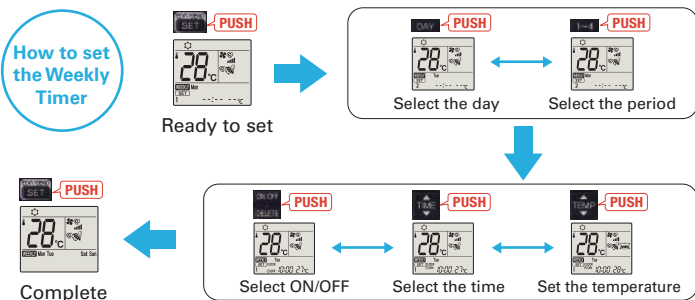
■ Easy set-up using dedicated buttons



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



How to set the Weekly Timer



- 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.

without
“Low standby power”

around **10W**

with
“Low standby power”

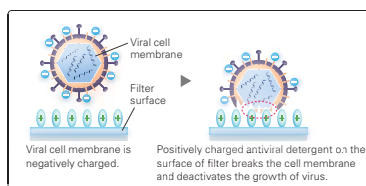
below
1W

around
90% reduction

V Blocking Filter

V Blocking Filter

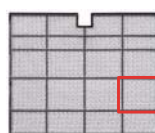
V Blocking Filter with antiviral effect inhibits 99% of adhered virus, and other harmful substances, such as bacteria, mold and allergen. Two-layered filter with non-woven fabric and electrostatic filter can effectively capture and remove small particles from the air in your room.



Air Purifying Filter

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)

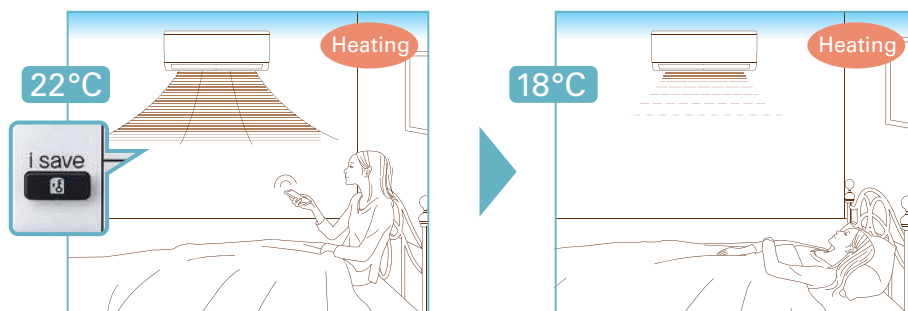


3D surface (Waved surface)

“i save” Mode

i save

“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.

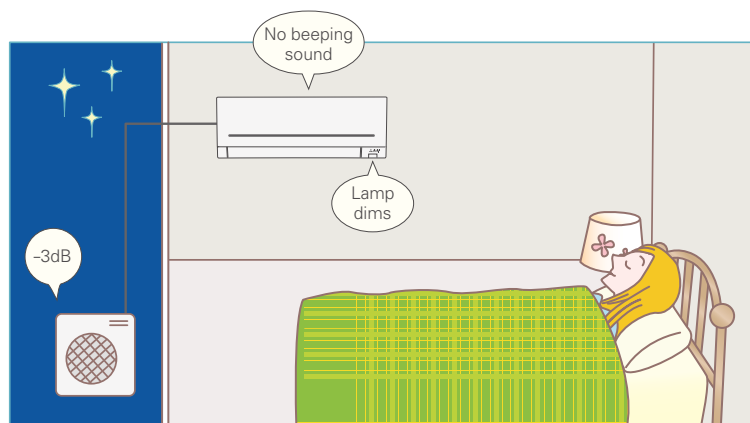
Night Mode



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.



Built-in Wi-Fi Interface

(MSZ-AP15/20/60/71VGK)



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-AP SERIES



Indoor Unit

R32 R410A

※VGK model Wi-Fi Interface built-in.

GOOD DESIGN
AWARD 2017

reddot award 2018
winner



MSZ-AP60/71VG(K)

Outdoor Unit

R32



MUZ-AP60VG

MUZ-AP71VG

Remote Controller



Type				Inverter Heat Pump			
Indoor Unit						MSZ-AP60VG(K)	MSZ-AP71VG(K)
Outdoor Unit						MUZ-AP60VG	MUZ-AP71VG
Refrigerant						Single: R32 ⁽¹⁾ / Multi: R32 ⁽¹⁾	
Power Source				Outdoor Power supply			
Supply Outdoor (V / Phase / Hz)				230 / Single / 50			
Cooling	Design load		kW	6.1		7.1	
	Annual electricity consumption ⁽²⁾		kWh/a	288		345	
	SEER ⁽⁴⁾			7.4		7.2	
	Energy efficiency class			A++		A++	
	Capacity		kW	6.1		7.1	
	Total Input		kW	1.4-7.3		2.0-8.7	
Heating (Average Season) ⁽³⁾	Design load		kW	1.590		2.010	
	Declared Capacity		kW	4.6 (-10°C)		6.7 (-10°C)	
	at reference design temperature		kW	4.6 (-10°C)		6.7 (-10°C)	
	at bivalent temperature		kW	4.6 (-10°C)		6.7 (-10°C)	
	at operation limit temperature		kW	3.7 (-15°C)		5.4 (-15°C)	
	Back up heating capacity		kW	0.0 (-10°C)		0.0 (-10°C)	
	Annual electricity consumption ⁽²⁾		kWh/a	1398		2132	
	SCOP ⁽⁴⁾			4.6		4.4	
	Energy efficiency class			A++		A+	
	Capacity		kW	6.8		8.1	
Total Input		kW	2.0-8.6		2.2-10.3		
Operating Current (Max)				A		14.1	
Indoor Unit	Input		kW	0.049		0.045	
	Operating Current (Max)		A	0.5		0.4	
	Dimensions		H*W*D	mm		325-1100-257	
	Weight		kg	16.0		17.0	
	Air Volume (SLo-Lo-Mid-Hi-Shi ⁽⁵⁾)		m³/min	9.4 - 11.0 - 13.2 - 16.0 - 18.9		9.6 - 11.5 - 13.2 - 15.3 - 18.6	
	Sound Level (SPL) (SLo-Lo-Mid-Hi-Shi ⁽⁵⁾)		dB(A)	10.8- 13.4 - 15.4 - 17.4 - 20.3		10.2- 11.5 - 13.2 - 15.3 - 19.2	
	Sound Level (PWL)		dB(A)	29 - 37 - 41 - 45 - 48		30 - 37 - 41 - 45 - 49	
	Sound Level (PWL)		dB(A)	30 - 37 - 41 - 45 - 48		30 - 37 - 41 - 45 - 51	
Outdoor Unit	Dimensions		H*W*D	mm		714-800-285	
	Weight		kg	65		65	
	Air Volume		m³/min	40		55	
	Sound Level (SPL)		dB(A)	52.1		54.1	
	Sound Level (PWL)		dB(A)	52.1		47.9	
	Operating Current (Max)		A	56		56	
	Breaker Size		A	57		55	
	Diameter		Liquid/Gas	mm		69	
	Max.Length		m	13.6		16.0	
	Max.Height		m	16		20	
Ext. Piping	Guaranteed Operating Range (Outdoor)		°C	6.35 / 12.7		6.35 / 12.7	
	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 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 CO₂ 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) SHi: 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 57-59 for heating (warmer season) specifications.