

MSZ-AP SERIES

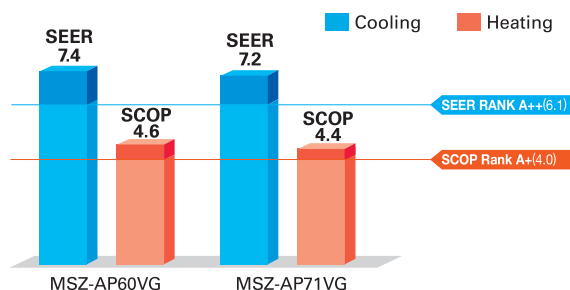
Introducing a compact and stylish indoor unit with various capacity, designed to match number of rooms. High performance indoor and outdoor units enabled to achieve "Rank A++" for SEER.



High Energy Saving



MSZ-AP60/71VG, 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.



Large Capacity Model

Suitable model for large rooms.



Wide and Long Airflow

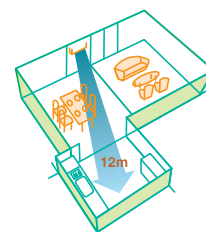
The wide and long airflow function is especially beneficial for large spaces, helping to ensure that air is well circulated and reaches every corner of the room.

Wide Airflow

This unique airflow system distributes air horizontally over a wide-ranging 150° in heating mode and 100° in cooling mode. Simply press the Wide Swing icon on the remote controller to select the desired airflow from seven different patterns.

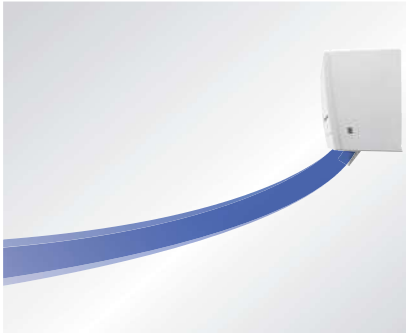
Long Airflow

Use this function to ensure that the air flow circulates to areas far across the room. Press the Long Airflow icon on the remote controller to extend reach up to as far as 12 metres from the unit.



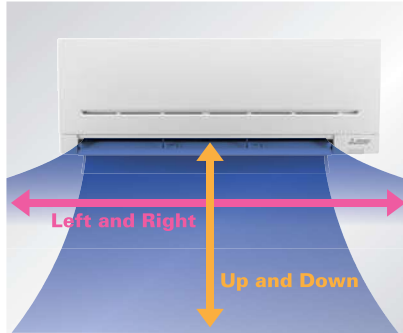
Evolved Comfortable Convenience Function

Horizontal Airflow



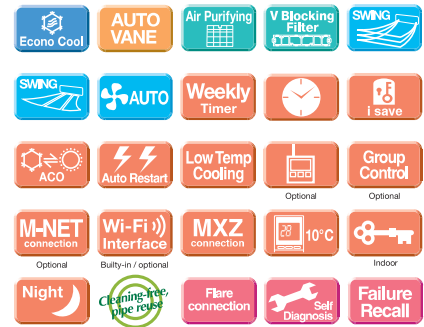
The new airflow control which spreads across the ceiling eliminates the uncomfortable drafty feeling.

Auto Vane Control



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

The Function



"Weekly Timer"



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

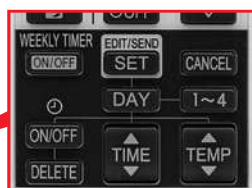
Pattern Settings: Input up to four settings for each day

Settings: •Start/Stop operation •Temperature setting *The operation mode cannot be set.

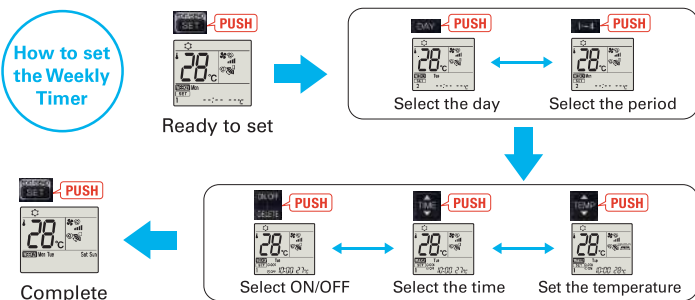
■ Easy set-up using dedicated buttons



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)

MSZ-AY SERIES



Indoor Unit



MSZ-AY15/20VGK(P)2



MSZ-AY25/35/42/50VGK(P)2

Outdoor Unit



MUZ-AY15VG2



MUZ-AY20VG2



MUZ-AY25/35/42VG(H)2



MUZ-AY50VG(H)2

Remote Controller



Type	Inverter Heat Pump												
Indoor Unit			MSZ-AY15VGK(P)2	MSZ-AY20VGK(P)2	MSZ-AY25VGK(P)2	MSZ-AY25VGK(P)2	MSZ-AY35VGK(P)2	MSZ-AY35VGK(P)2	MSZ-AY42VGK(P)2	MSZ-AY42VGK(P)2	MSZ-AY50VGK(P)2	MSZ-AY50VGK(P)2	
Outdoor Unit			MUZ-AY15VG2	MUZ-AY20VG2	MUZ-AY25VG2	MUZ-AY25VG2	MUZ-AY35VG2	MUZ-AY35VG2	MUZ-AY42VG2	MUZ-AY42VG2	MUZ-AY50VG2	MUZ-AY50VG2	
Refrigerant			R32 ⁽¹⁾										
Power Supply	Source		Outdoor Power supply										
	Outdoor (V / Phase / Hz)		230/Single/50										
Cooling	Design load		kW	1.5	2.0	2.5	3.5		4.2		5.0		
	Annual electricity consumption ⁽²⁾		kWh/a	72	81	100	141		186		232		
	SEER ⁽⁴⁾			7.2	8.6	8.7		7.9		7.5			
	Energy efficiency class			A++	A+++				A++				
	Capacity		Rated	kW	1.5	2.0	2.5	3.5		4.2		5.0	
			Min-Max	kW	0.5-2.2	0.6-2.7	0.9-3.4	1.1-3.8		0.9-4.5		1.4-5.4	
Heating (Average Season) ⁽³⁾	Total Input		Rated	kW	0.370	0.460	0.600	0.990		1.300		1.540	
	Design load		kW	1.6 (-10°C)	2.3 (-10°C)	2.4 (-10°C)	2.9 (-10°C)		3.8 (-10°C)		4.2 (-10°C)		
	Declared Capacity		at reference design temperature	kW	1.6 (-10°C)	2.3 (-10°C)	2.4 (-10°C)	2.9 (-10°C)		3.8 (-10°C)		4.2 (-10°C)	
			at bivalent temperature	kW	1.6 (-10°C)	2.3 (-10°C)	2.4 (-10°C)	2.9 (-10°C)		3.8 (-10°C)		4.2 (-10°C)	
			at operation limit temperature	kW	1.6 (-15°C)	1.8 (-20°C)	2.1 (-20°C)	2.0 (-20°C)		2.9 (-20°C)		3.0 (-20°C)	
	Back up heating capacity		kW	0.0 (-10°C)									
	Annual electricity consumption ⁽²⁾		kWh/a	558	766	698	711	864	880	1131	1144	1249	1267
	SCOP ⁽⁴⁾			4.0	4.2	4.8	4.7	4.6	4.7	4.6	4.7	4.6	
	Energy efficiency class			A+		A++							
	Capacity		Rated	kW	2.0	2.5	3.2	4.0		5.2		5.5	
			Min	kW	0.5	1.0	1.3		1.4		1.4		
			Max at 7°C	kW	3.1	3.5	4.1	4.6		6.0		7.3	
	Total Input		Rated	kW	0.500	0.600	0.780	1.030		1.390		1.470	
Operating Current (Max)			A	5.5	7.0	7.6			9.9			12.5	
Indoor Unit	Input		Rated	kW	0.017	0.019	0.026			0.032			
	Operating Current (Max)		A	0.17	0.2	0.3							
	Dimensions		H*W*D	mm	250-760-199				299-798-245				
	Weight		kg	VGKP:8.1, VGK:7.9				VGKP:11, VGK:10.5					
	Air Volume		Cooling	m³/min	28-37-44-52-61	28-37-44-52-66	3.6-5.0-6.3-7.8-10.5		3.6-5.0-6.3-7.8-11.1		4.5-5.7-6.9-8.4-11.4		5.2-6.4-7.5-9.1-11.7
			Heating	m³/min	28-39-45-54-61	28-39-45-54-71	4.0-5.0-6.6-8.0-11.8		4.0-5.0-6.6-8.0-12.3		4.4-5.3-6.9-8.5-13.0		6.1-6.4-7.5-9.1-13.0
	Sound Level (SPL)		Cooling	dB(A)	19 ⁽⁶⁾ -26-30-35-40	19 ⁽⁶⁾ -26-30-35-42	18-24-30-36-42		18-24-30-36-42		21-29-34-38-42		28-33-36-40-44
			Heating	dB(A)	19 ⁽⁶⁾ -26-30-35-40	19 ⁽⁶⁾ -26-30-35-42	18-24-34-39-45		18-24-31-38-45		21-29-35-40-45		28-33-38-43-48
	Sound Level (PWL)		Cooling	dB(A)	54	57	57		57		58		58
	Dimensions		H*W*D	mm	538-699-249				550-800-285				714-800-285
Outdoor Unit	Weight		kg	23	27.5	26.5	27		33		33.5		40.5
	Air Volume		Cooling	m³/min	26	32.2				32		40.5	
			Heating	m³/min	21	29.8				28.1		37.4	
	Sound Level (SPL)		Cooling	dB(A)	45	47		49		50		52	
			Heating	dB(A)	45	48		50		51		52	
	Sound Level (PWL)		Cooling	dB(A)	58	59		61		61		64	
	Operating Current (Max)		A	5.3	6.8	7.3		9.6		12.2		12.2	
	Breaker Size		A	10									
Ext. Piping	Diameter		Liquid/Gas	mm	6.35 / 9.52								
	Chargeless piping length		Out-In	m	7.5								
	Max.Length		Out-In	m	20								
	Max.Height		Out-In	m	12								
Guaranteed Operating Range (Outdoor)			Cooling	°C	-10 ~ +46								
			Heating	°C	-15 ~ +24		-20 ~ +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 675. This means that if 1 kg of this refrigerant fluid were leaked to the atmosphere, the impact on global warming would be 675 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) 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 57-58 for heating (warmer season) specifications.

(6) For single use: only 19dB(A). For multi use (MXZ): 21dB(A).

MSZ-AP SERIES



Indoor Unit

R32 R410A

*VGK model Wi-Fi Interface built-in.



MSZ-AP60/71VG(K)2

Outdoor Unit

R32



MUZ-AP60VG2



MUZ-AP71VG3

Remote Controller



Type			Inverter Heat Pump	
Indoor Unit			MSZ-AP60VG (K)2	MSZ-AP71VG (K)2
Outdoor Unit			MUZ-AP60VG2	MUZ-AP71VG3
Refrigerant			Single: R32 ⁽¹⁾ / Multi: R32 ⁽¹⁾	
Power Supply			Outdoor Power supply	
Source			230 / Single / 50	
Outdoor (V / Phase / Hz)				
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++	
	Capacity	kW	6.1	7.1
Heating (Average Season) ⁽³⁾	Declared Capacity	kW	4.6 (-10°C)	6.7 (-10°C)
	Back up heating capacity	kW	0.0 (-10°C)	0.0 (-10°C)
	Annual electricity consumption ⁽²⁾	kWh/a	1399	2131
	SCOP ⁽⁴⁾		4.6	4.4
	Energy efficiency class		A++	A+
Indoor Unit	Capacity	kW	6.8	8.1
	Min-Max	kW	2.0-8.6	2.2-10.3
	Total Input	kW	1.670	2.120
	Operating Current (Max)	A	12.7	16.4
	Input	kW	0.049	0.045
Outdoor Unit	Operating Current (Max)	A	0.5	0.4
	Dimensions	H*W*D	325-1100-257	
	Weight	kg	16.0	17.0
	Air Volume	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)	dB(A)	29 - 37 - 41 - 45 - 48	30 - 37 - 41 - 45 - 49
Ext. Piping	Sound Level (PWL)	dB(A)	30 - 37 - 41 - 45 - 48	30 - 37 - 41 - 45 - 51
	Dimensions	H*W*D	714-800-285	880-840-330
	Weight	kg	40	53
	Air Volume	m³/min	52.1	63.7
	Sound Level (SPL)	dB(A)	56	55
Guaranteed Operating Range (Outdoor)	Sound Level (PWL)	dB(A)	69	
	Operating Current (Max)	A	12.2	16.0
	Breaker Size	A	16	20
	Diameter	Liquid/Gas	6.35 / 12.7	
	Max.Length	m	30	
Guaranteed Operating Range (Indoor)	Max.Height	m	15	
	Temperature	°C	-10 ~ +46	
Guaranteed Operating Range (Outdoor)	Temperature	°C	-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 675. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 675 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 57-58 for heating (warmer season) specifications.