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



MSZ-AP15/20VG

GOOD DESIGN AWARD 2017

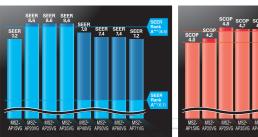


R32 Single / Multi



High energy saving

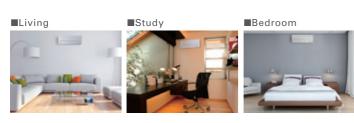
The classes from the low-capacity 25 to the high-capacity 60, have achieved either the "Rank A+++" or "Rank A++" for SEER and SCOP as energy-savings rating. Our air conditioners are contributing to reduce energy consumption in a wide range.





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



The new airflow control which spreads across the ceiling eliminates the uncomfortable up and down using the remote controller. drafty feeling.



Auto vanes can be moved left and right, and

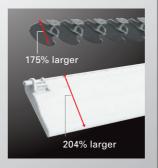
The Function

High performance and compact size are realised by refining all parts



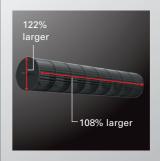
Vertical and **Horizontal Vane**

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



Line Flow Fan

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

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"

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.		
5:00	ON 20°C	ON 20°C	ON 20°C	ON 20°C	ON 20°C	ON 20°C	ON 20°C		
			Automatically change	1					
8:00									
10:00									
15:00	OFF	OFF	OFF	OFF	OFF	ON 18°C	ON 18°C		
		Automatio	Midday is warmer, so the temperature is set lower						
14:00									
1P: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			ns on, synchronized with arrival at home			Automatically raises temperature setting to			
55:00		Automatically tur				match time when outside-air temperature is low			
(during sleeping hours)									
(uuring sieeping nours)	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							

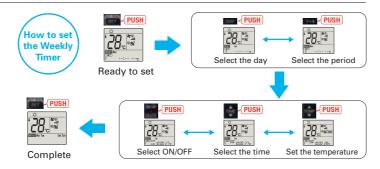
Settings: •Start/Stop operation •Temperature setting *The operation mode cannot be set.

■ Easy set-up using dedicated buttons -

Pattern Settings: Input up to four settings for each day







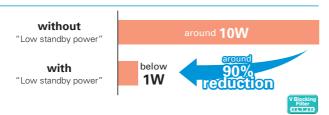
- Start by pushing the "SET" button and follow the instructions to set the desired patterns. Once all of the desired patterns are input, point the top end of the remote controller at the indoor unit and push the "SET" button one more time. (Push the "SET" button only after inputting all of the desired 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)

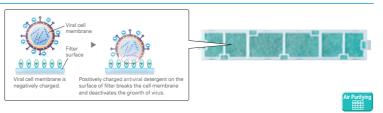
Low Standby Power

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.



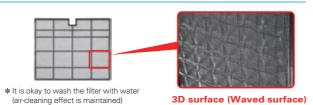
V Blocking Filter

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.



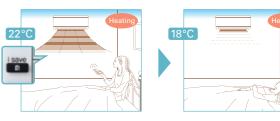
Air Purifying Filter

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

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

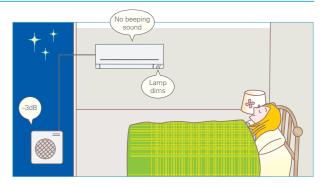
(MSZ-AP20/25/35/42/50/60/71)



(MS7-AP25/35/42/50)

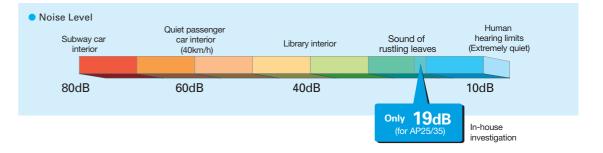
When Night Mode is activated using the wireless remote controller, air conditioner operation will switch to the following settings.

- 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.

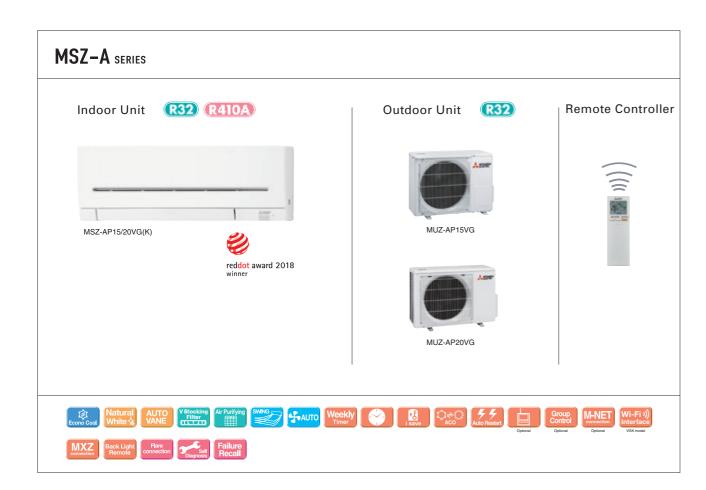
LED Backlight Remote Controller



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Blacklight 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.

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Туре						Inverter H	leat Pump		
Indoor Ur	nit			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-AP25VGH	MUZ-AP35VG	MUZ-AP35VGH	
Refrigera	nt					Single: R32(*1) / Mu	Iti: R410A or R32 ^(*1)		
Power Source						ower supply			
Supply	Outdoor (V / Ph	or (V / Phase / Hz) 230 / Single / 50							
Cooling			kW	1.5	2.0	2.5	2.5	3.5	3.5
	Annual electricity consumption (*2)		kWh/a	72	81	101	101	142	142
	SEER (*4)		Ittiiid	7.2	8.6	8.6	8.6	8.6	8.6
	Energy efficiency class			A++	A+++	A+++	A+++	A+++	A+++
	Bated		kW	1.5	2.0	2.5	2.5	3.5	3.5
	Capacity	Min-Max	kW	0.5-2.2	0.6-2.7	0.9-3.4	0.9-3.4	1.1-3.8	1.1-3.8
	Total Input	Rated	kW	0.370	0.460	0.600	0.600	0.990	0.990
	Design load	riatou	kW	1.6 (-10°C)	2.3 (-10°C)	2.4 (-10°C)	2.4 (-10°C)	2.9 (-10°C)	2.9 (-10°C)
	Designituau	at reference design temperature	_	1.6 (-10°C)	2.3 (-10°C)	2.4 (-10°C)	2.4 (-10°C)	2.9 (-10°C)	2.9 (-10°C)
	Declared	at bivalent temperature	kW	1.6 (-10°C)	2.3 (-10°C)	2.4 (-10°C)	2.4 (-10°C)	2.9 (-10°C)	2.9 (-10°C)
	Capacity	at operation limit temperature	kW	1.6 (-15°C)	2.2 (-15°C)	2.4 (-10°C)	2.4 (-10 C) 2.2 (-20°C)	2.6 (-15°C)	2.4 (-20°C)
	Back up heating		kW	0.0 (-10°C)	0.0 (-10°C)	0.0 (-10°C)	0.0 (-10°C)	0.0 (-10°C)	0.0 (-10°C)
leating	Annual electricity		kWh/a	559	766	698	703	862	873
(Average Season)(*5)	SCOP (*4)	consumption	KVVII/a	4.0	4.2	4.8		4.7	4.6
000011,	SCOP	Energy efficiency class		4.0 A+	4.2 A+	4.8 A++	4.7 A++	4.7 A++	4.0 A++
		Rated	kW	2.0	2.5	3.2	3.2	4.0	4.0
	Capacity			-			-	-	-
		Min-Max	kW	0.5-3.1	0.5-3.5	1.0-4.1	1.0-4.1	1.3-4.6	1.3-4.6
	Total Input	Rated	kW	0.500	0.600	0.780	0.780	1.030	1.030
peratin	g Current (Max)	In	A	5.5	7.0	7.1	7.1	8.5	8.5
	Input	Rated	kW	0.017	0.019	0.026	0.026	0.026	0.026
	Operating Curre		Α	0.17	0.2	0.3	0.3	0.3	0.3
	Dimensions	H*W*D	mm	250-760-178	250-760-178	299-798-219	299-798-219	299-798-219	299-798-219
ndoor	Weight	1	kg	8.2	8.2	10.5	10.5	10.5	10.5
Jnit	Air Volume	Cooling	m³/min	3.5 - 3.9 - 4.6 - 5.5 - 6.4	3.5 - 3.9 - 4.6 - 5.5 - 6.9	4.9 - 5.9 - 7.1 - 8.7 - 11.4	4.9 - 5.9 - 7.1 - 8.7 - 11.4	4.9 - 5.9 - 7.1 - 8.7 - 11.4	4.9 - 5.9 - 7.1 - 8.7 - 11.
	(SLo-Lo-Mid-Hi-SHi ^(*3))	Heating	m³/min	3.7 - 4.4 - 5.0 - 6.0 - 6.8	3.7 - 4.4 - 5.0 - 6.0 - 7.3	4.9 - 5.9 - 7.3 - 8.9 - 12.9	4.9 - 5.9 - 7.3 - 8.9 - 12.9	4.9 - 5.9 - 7.3 - 8.9 - 12.9	4.9 - 5.9 - 7.3 - 8.9 - 12.
	Sound Level (SPL)	Cooling	dB(A)	21 - 26 - 30 - 35 - 40	21 - 26 - 30 - 35 - 42	19 - 24 - 30 - 36 - 42	19 - 24 - 30 - 36 - 42	19 - 24 - 30 - 36 - 42	19 - 24 - 30 - 36 - 42
	(SLo-Lo-Mid-Hi-SHi ^(*3))	Heating	dB(A)	21 - 26 - 30 - 35 - 40	21 - 26 - 30 - 35 - 42	19 - 24 - 34 - 39 - 45	19 - 24 - 34 - 39 - 45	19 - 24 - 31 - 38 - 45	19 - 24 - 31 - 38 - 45
	Sound Level (PWL)	Cooling	dB(A)	59	60	57	57	57	57
	Dimensions	H*W*D	mm	538-699-249	550-800-285	550-800-285	550-800-285	550-800-285	550-800-285
	Weight		kg	23	31	31	31	31	31
	Air Volume	Cooling	m³/min	26	32.2	32.2	32.2	32.2	32.2
utdoor		Heating	m³/min	21	29.8	29.8	29.8	33.8	33.8
Init	Sound Level (SPL)	Cooling	dB(A)	50	47	47	47	49	49
Oille		Heating	dB(A)	50	48	48	48	50	50
	Sound Level (PWL)	Cooling	dB(A)	63	59	59	59	61	61
	Operating Current (Max) A		Α	5.3	6.8	6.8	6.8	8.2	8.2
	Breaker Size		А	10	10	10	10	10	10
	Diameter	Liquid/Gas	mm	6.35 / 9.52	6.35 / 9.52	6.35 / 9.52	6.35 / 9.52	6.35 / 9.52	6.35 / 9.52
xt. Pipina	Max.Length	Out-In	m	20	20	20	20	20	20
ibilig	Max.Height	Out-In	m	12	12	12	12	12	12
Juarante	ed Operating	Cooling	°C	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46
Range (Outdoor)		Heating	°C	-15 ~ +24	-15 ~ +24	-15 ~ +24	-20 ~ +24	-15 ~ +24	-20 ~ +24

Guaranteed Operating
Range (Outdoor)

Cooling

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MSZ-A series	Ser Lag	PAM SEER SCOP A+++
Indoor Unit R32 R410A *VGK model Wi-Fi Interface built-in.	Outdoor Unit R32	Remote Controller
- Anny		
MSZ-AP25/35/42/50VG(K)	MUZ-AP25/35/42VG(H) MUZ-AP50VG(H)/60VG	
GOOD DESIGN reddot award 2018 winner	MUZ-AP71VG	
	MUZ-AP71VG MUZ-AP71VG Weekly Timer I save	Low Temp Cooling
Group Ontrol Optional	Back Light Remote Connection Fire Self Recall	Optional

Туре			Inverter Heat Pump						
Indoor Un	nit			MSZ-AP42VG(K)	MSZ-AP42VG(K)	MSZ-AP50VG(K)	MSZ-AP50VG(K)	MSZ-AP60VG(K)	MSZ-AP71VG(K)
Outdoor Unit			MUZ-AP42VG	MUZ-AP42VGH	MUZ-AP50VG	MUZ-AP50VGH	MUZ-AP60VG	MUZ-AP71VG	
Refrigerant			1110271 1210	Single: R32 ⁽¹⁾ / Mu		11102 / 11 00 / 01 1		/ Multi: R32 ^(*1)	
Power Source						ower supply			
Supply	Outdoor (V / Ph	ase / Hz)					ngle / 50		
Cooling	Design load		kW	4.2	4.2	5.0	5.0	6.1	7.1
	Annual electricity	consumption (*2)	kWh/a	188	188	236	236	288	345
	SEER (*4)			7.8	7.8	7.4	7.4	7.4	7.2
		Energy efficiency class		A++	A++	A++	A++	A++	A++
·		Rated	kW	4.2	4.2	5.0	5.0	6.1	7.1
	Capacity	Min-Max	kW	0.9-4.5	0.9-4.5	1.4-5.4	1.4-5.4	1.4-7.3	2.0-8.7
	Total Input	Rated	kW	1.300	1.300	1.550	1.550	1.590	2.010
	Design load		kW	3.8 (-10°C)	3.8 (-10°C)	4.2 (-10°C)	4.2 (-10°C)	4.6 (-10°C)	6.7 (-10°C)
		at reference design temperature	kW	3.8 (-10°C)	3.8 (-10°C)	4.2 (-10°C)	4.2 (-10°C)	4.6 (-10°C)	6.7 (-10°C)
	Declared Capacity	at bivalent temperature	kW	3.8 (-10°C)	3.8 (-10°C)	4.2 (-10°C)	4.2 (-10°C)	4.6 (-10°C)	6.7 (-10°C)
	Оарасну	at operation limit temperature	kW	4.2 (-15°C)	3.8 (-20°C)	4.7 (-15°C)	4.2 (-20°C)	3.7 (-15°C)	5.4 (-15°C)
Heating	Back up heating	capacity	kW	0.0 (-10°C)	0.0 (-10°C)	0.0 (-10°C)	0.0 (-10°C)	0.0 (-10°C)	0.0 (-10°C)
(Average	Annual electricity	consumption (*2)	kWh/a	1120	1134	1250	1275	1398	2132
Season)(*5)	SCOP (*4)			4.7	4.6	4.7	4.6	4.6	4.4
		Energy efficiency class		A++	A++	A++	A++	A++	A+
	Conneity	Rated	kW	5.4	5.4	5.8	5.8	6.8	8.1
	Capacity	Min-Max	kW	1.3-6.0	1.3-6.0	1.4-7.3	1.4-7.3	2.0-8.6	2.2-10.3
	Total Input	Rated	kW	1.490	1.490	1.600	1.600	1.670	2.120
Operating	g Current (Max)		Α	9.9	9.9	13.6	13.6	14.1	16.4
	Input	Rated	kW	0.032	0.032	0.032	0.032	0.049	0.045
	Operating Curre		A	0.3	0.3	0.3	0.3	0.5	0.4
		H*W*D	mm	299-798-219	299-798-219	299-798-219	299-798-219	325-1100-257	325-1100-257
Indoor	Weight		kg	10.5	10.5	10.5	10.5	16.0	17.0
Unit	Air Volume	Cooling	m³/min	5.4 - 6.5 - 7.7 - 9.3 - 11.4				9.4 - 11.0 - 13.2 - 16.0 - 18.9	
	(SLo-Lo-Mid-Hi-SHi ^(*3))	Heating	m³/min	5.3 - 6.1 - 7.7 - 9.4 - 14.0	5.3 - 6.1 - 7.7 - 9.4 - 14.0	5.6 - 6.5 - 8.2 - 10.0 - 14.0	5.6 - 6.5 - 8.2 - 10.0 - 14.0	10.8- 13.4 - 15.4 - 17.4 - 20.3	10.2- 11.5 - 13.2 - 15.3 - 19.2
	Sound Level (SPL)	Cooling	dB(A)	21 - 29 - 34 - 38 - 42	21 - 29 - 34 - 38 - 42	28 - 33 - 36 - 40 - 44	28 - 33 - 36 - 40 - 44	29 - 37 - 41 - 45 - 48	30 - 37 - 41 - 45 - 49
		Heating	dB(A)	21 - 29 - 35 - 40 - 45	21 - 29 - 35 - 40 - 45	28 - 33 - 38 - 43 - 48	28 - 33 - 38 - 43 - 48	30 - 37 - 41 - 45 - 48	30 - 37 - 41 - 45 - 51
	Sound Level (PWL)	Cooling	dB(A)	57	57	58	58	65	65
	Dimensions	H*W*D	mm	550-800-285	550-800-285	714-800-285	714-800-285	714-800-285	880-840-330
	Weight	T	kg	35	35	40	40	40	55
	Air Volume	Cooling	m³/min	30.4	30.4	40.5	40.5	52.1	54.1
Outdoor		Heating	m³/min	32.7	32.7	40.5	40.5	52.1	47.9
Unit	Sound Level (SPL)	Cooling	dB(A)	50	50	52	52	56	56
		Heating	dB(A)	51	51	52	52	57	55
		Cooling	dB(A)	61	61	64	64	69	69
	Operating Current (Max)		A	9.6	9.6	13.3	13.3	13.6	16.0
	Breaker Size	1::-/0	A	10	10	16	16	16	20
Eve I	Diameter	Liquid/Gas	mm	6.35 / 9.52	6.35 / 9.52	6.35 / 9.52	6.35 / 9.52	6.35 / 12.7	6.35 / 12.7
Piping	Max.Length	Out-In	m	20	20	20	20	30	30
	Max.Height	Out-In	m °o	12	12	12	12	15	15
	ed Operating	Cooling	°C	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46
Range (Outdoor)		Heating	°C	-15 ~ +24	-20 ~ +24	-15 ~ +24	-20 ~ +24	-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 or disassemble the product yourself or disassemble the product yourself or disassemble they product yourself or disassemble than 1 kg of CO₂, over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble than 1 kg of CO₂, over a period of 100 years. Never try to interfere with the refrigerant circuit yourself yourself yourself years. It is product yourself and yourself and warmself and advance and a product yourself and yourself years. Never try to interfere with the refrigerant tird with a given product yourself and yourself and yourself years. Never try to interfere with the refrigerant tird with a given product yourself and yourself years. Never try to interfere with the refrigerant circuit yourself yourself years. Never try to interfere with the refrigerant tird with a given product yourself yourself years. Never try to interfere with the refrigerant tird with a given product yourself years. Never try to interfere with the refrigerant tird with a given product yourself years. Never try to interfere with the refrigerant tird with a given product yourself years. Yourself years you