

MSZ-A Series

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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-AP25/35VG

High energy saving

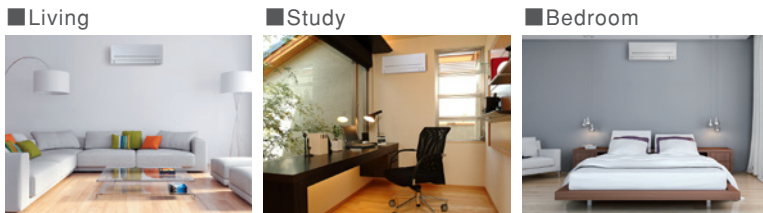


All models in the series, from the low-capacity 25 to the high-capacity 50, have achieved either the "Rank A+++" or "Rank A++" for SEER and SCOP as energy-savings rating. Our air conditioners are contributing to reduce energy consumption in a wide range.



Compact and stylish

15/20 class are for multi-systems and 25-50 class are introduced as single-split and multi-systems. From small rooms to living rooms, it is possible to coordinate residences with a unified design.



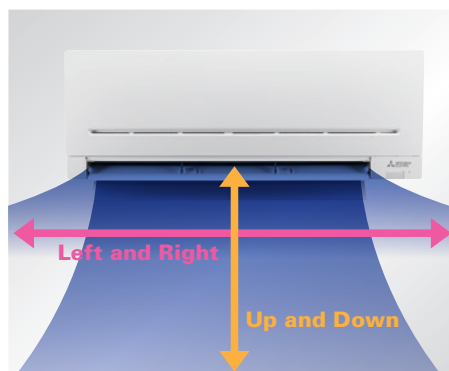
Evolved comfortable convenience function

Horizontal Airflow



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

Auto Vane Control



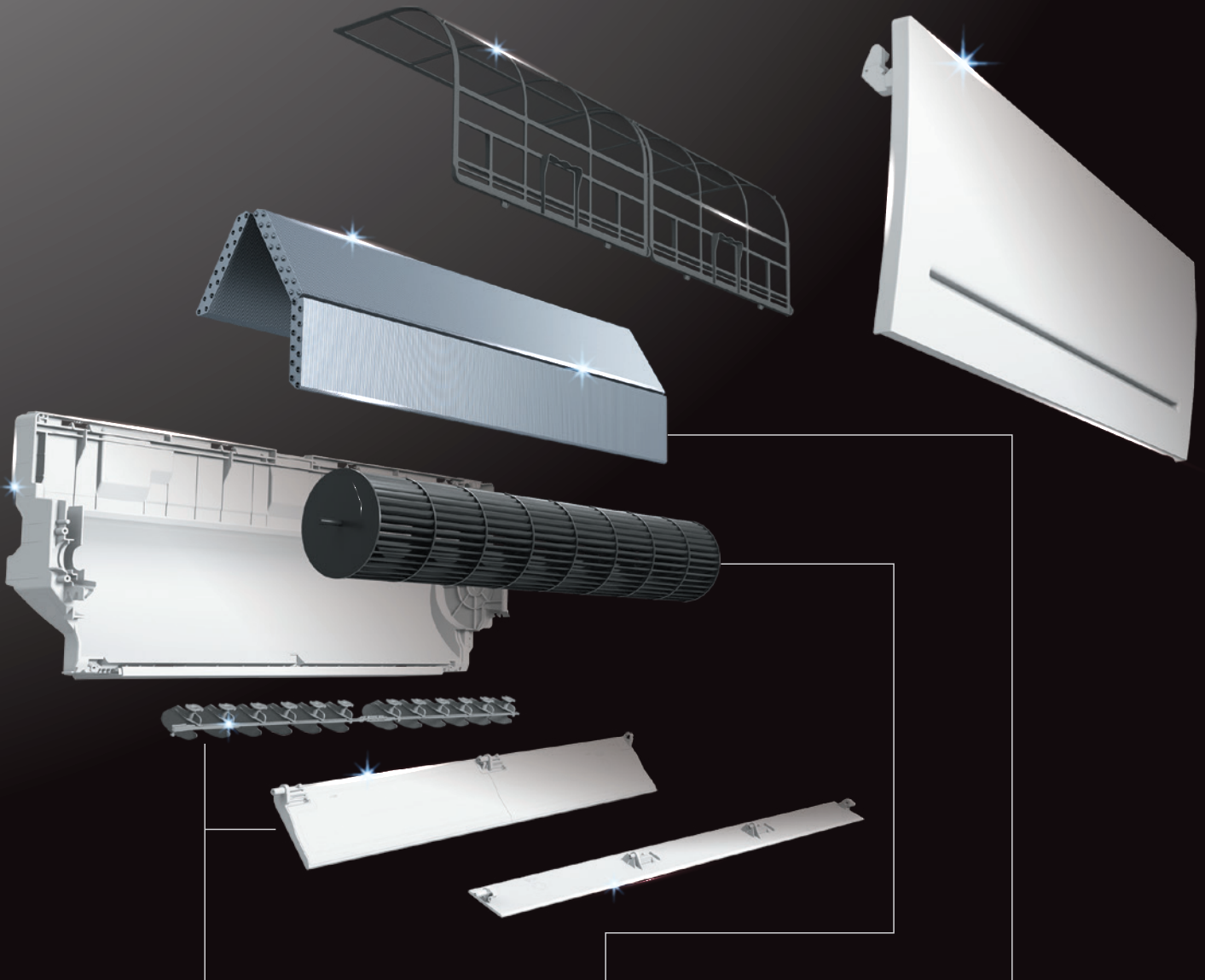
Auto vanes can be moved left and right, and up and down using the remote controller.

The Function



*Only for 25/35/42/50 models.

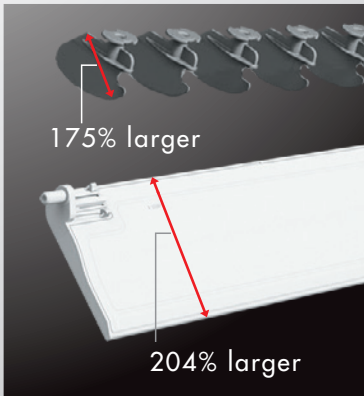
High performance and compact size are realised by refining all parts.



Comfort

Vertical and Horizontal Vane

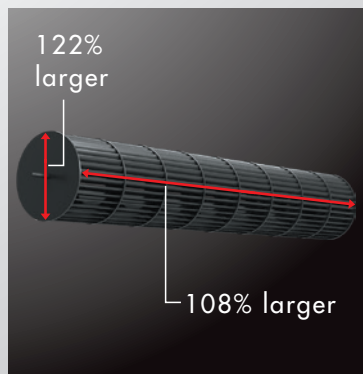
New vertical and horizontal vanes are double the size of the previous model, improving airflow control elaborately.



High Performance

Line Flow Fan

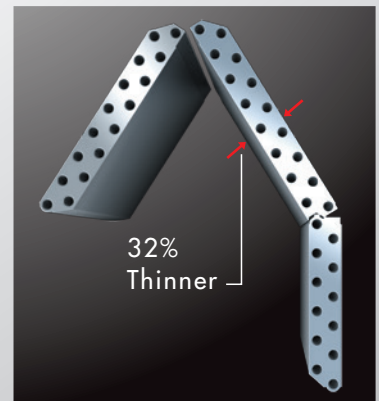
New line flow Fan is 122% larger and 108% wider than the previous model, leading to higher aerodynamic performance. Also, same sound level as the previous model.



High Performance

Heat Exchanger

New $\phi 5$ Heat exchanger enables to realise 32% thinner depth than the previous model. It realises low pressure loss leading to high performance.



Single R32 Outdoor Units (25/35/42/50)

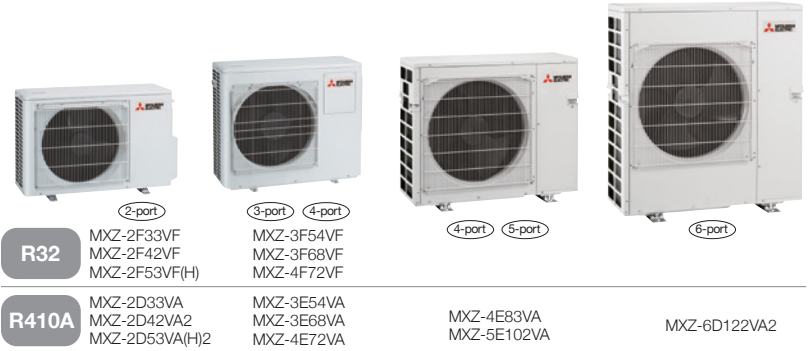
Outdoor units are available in both standard and heater-equipped units. An electric heater is installed to prevent freezing in cold outdoor environments.



Multi R32/R410A MXZ

The R32 MXZ Series offers a seven-system line-up, ranging between 3.3 and 7.2kW and the R410A series ranging between 3.3 and 12.2kW. All of them are compatible with AP models and other M,S,P series indoor units. A single outdoor unit can handle a wide range of building layouts.

*Connectable outdoor unit for MSZ-AP are MXZ-2D33VA-E4, MXZ-2D42-VA2-E4, MXZ-2D53VA2-E4, MXZ-2D53VAHZ-E4, MXZ-3E54VA-E2, MXZ-3E68VA-E2, MXZ-4E72VA-E2, MXZ-4E83VA-E4, MXZ-5E102VA-E4, MXZ-6D122VA2



Type		Inverter Heat Pump											
Indoor Unit		MSZ-AP15VF	MSZ-AP20VF	MSZ-AP25VG(K)	MSZ-AP25VGH	MSZ-AP35VG(K)	MSZ-AP35VGH	MSZ-AP42VG(K)	MSZ-AP42VGH	MSZ-AP50VG(K)	MSZ-AP50VGH		
Outdoor Unit		for MKZ connection		MUZ-AP25VG	MUZ-AP25VGH	MUZ-AP35VG	MUZ-AP35VGH	MUZ-AP42VG	MUZ-AP42VGH	MUZ-AP50VG	MUZ-AP50VGH		
Refrigerant		R32 ^(*)											
Power Supply		Outdoor Power supply											
Source		230/Single/50											
Outdoor (V / Phase / Hz)													
Cooling	Design load	kW	-	-	2.5	2.5	3.5	3.5	4.2	4.2	5.0	5.0	
	Annual electricity consumption ⁽²⁾	kWh/a	-	-	101	101	142	142	188	188	236	236	
	SEER ⁽⁴⁾	-	-	-	8.6	8.6	8.6	8.6	7.8	7.8	7.4	7.4	
	Energy efficiency class	-	-	-	A+++	A+++	A+++	A+++	A++	A++	A++	A++	
	Capacity	Rated	kW	-	-	2.5	2.5	3.5	3.5	4.2	4.2	5.0	5.0
	Min-Max	kW	-	-	0.9-3.4	0.9-3.4	1.1-3.8	1.1-3.8	0.9-4.5	0.9-4.5	1.4-5.4	1.4-5.4	
	Total Input	Rated	kW	-	-	0.600	0.600	0.990	0.990	1.300	1.300	1.550	1.550
Heating (Average Season)	Design load	kW	-	-	2.4(-10°C)	2.4(-10°C)	2.9(-10°C)	2.9(-10°C)	3.8(-10°C)	3.8(-10°C)	4.2(-10°C)	4.2(-10°C)	
	Declared Capacity	at reference design temperature	kW	-	-	2.4(-10°C)	2.4(-10°C)	2.9(-10°C)	2.9(-10°C)	3.8(-10°C)	3.8(-10°C)	4.2(-10°C)	4.2(-10°C)
		at bivalent temperature	kW	-	-	2.4(-10°C)	2.4(-10°C)	2.9(-10°C)	2.9(-10°C)	3.8(-10°C)	3.8(-10°C)	4.2(-10°C)	4.2(-10°C)
		at operation limit temperature	kW	-	-	2.4(-15°C)	2.2(-20°C)	2.6(-15°C)	2.6(-15°C)	4.2(-15°C)	3.8(-20°C)	4.7(-15°C)	4.2(-20°C)
	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)	0.0(-10°C)	0.0(-10°C)	
	Annual electricity consumption ⁽²⁾	kWh/a	-	-	698	703	862	873	1120	1134	1250	1275	
	SCOP ⁽⁴⁾	-	-	-	4.8	4.7	4.7	4.6	4.7	4.6	4.7	4.6	
	Energy efficiency class	-	-	-	A++	A++	A++	A++	A++	A++	A++	A++	
	Capacity	Rated	kW	-	-	3.2	3.2	4.0	4.0	5.4	5.4	5.8	5.8
		Min-Max	kW	-	-	1.0-4.1	1.0-4.1	1.3-4.6	1.3-4.6	1.3-6.0	1.3-6.0	1.4-7.3	1.4-7.3
	Total Input	Rated	kW	-	-	0.780	0.780	1.030	1.030	1.490	1.490	1.600	1.600
Operating Current (Max)		A	-	-	7.1	7.1	8.5	8.5	9.9	9.9	13.6	13.6	
Indoor Unit	Input	Rated	kW	0.017	0.019	0.026	0.026	0.026	0.026	0.032	0.032	0.032	
	Operating Current(Max)	A	0.17	0.19	0.3	0.3	0.3	0.3	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	299-798-219	299-798-219	299-798-219	
	Weight	kg	8.2	8.2	10.5	10.5	10.5	10.5	10.5	10.5	10.5		
	Air Volume (Lo/Lo-Mid/Hi-SH ⁽³⁾ Dn/Hi)	Cooling	m ³ /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 - 11.4	5.4 - 6.5 - 7.7 - 9.3 - 11.4	5.4 - 6.5 - 7.7 - 9.3 - 11.4	6.0 - 7.2 - 8.4 - 10.0 - 12.6	6.0 - 7.2 - 8.4 - 10.0 - 12.6
		Heating	m ³ /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 - 12.9	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
	Sound Level (SPi) (Lo/Lo-Mid/Hi-SH ⁽³⁾)	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	21 - 29 - 34 - 38 - 42	21 - 29 - 34 - 38 - 42	28 - 33 - 36 - 40 - 44	28 - 33 - 36 - 40 - 44
		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	21 - 29 - 35 - 40 - 45	21 - 29 - 35 - 40 - 45	28 - 33 - 38 - 43 - 48	28 - 33 - 38 - 43 - 48
	Sound Level (PWL)	Cooling	dB(A)	59	60	57	57	57	57	57	57	58	58
	Dimensions	H*W*D	mm	-	-	550-800-285	550-800-285	550-800-285	550-800-285	550-800-285	550-800-285	714-800-285	714-800-285
Weight	kg	-	-	31	31	31	31	35	35	40	40		
Air Volume	Cooling	m ³ /min	-	-	32.2	32.2	32.2	32.2	30.4	30.4	40.5	40.5	
	Heating	m ³ /min	-	-	29.8	29.8	33.8	33.8	32.7	32.7	40.5	40.5	
Sound Level (SPi)	Cooling	dB(A)	-	-	47	47	49	49	50	50	52	52	
	Heating	dB(A)	-	-	48	48	50	50	51	51	52	52	
Sound Level (PWL)	Cooling	dB(A)	-	-	59	59	61	61	61	61	64	64	
Operating Current (Max)		A	-	-	6.8	6.8	8.2	8.2	9.6	9.6	13.3	13.3	
Breaker Size		A	-	-	10	10	10	10	10	10	16	16	
Ext. Piping	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	6.35 / 9.52	6.35 / 9.52	6.35 / 9.52	
	Max.Length	Out-in	m	-	-	20	20	20	20	20	20	20	
	Max.Height	Out-in	m	-	-	12	12	12	12	12	12	12	
Guaranteed Operating Range (Outdoor)	Cooling	°C	-	-	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	
	Heating	°C	-	-	-15 ~ +24	-20 ~ +24	-15 ~ +24	-20 ~ +24	-15 ~ +24	-20 ~ +24	-15 ~ +24	-20 ~ +24	
Refrigerant		R32											
Chargeless (kg)		-	-	0.55	0.55	0.55	0.55	0.70	0.70	1.00	1.00		
CO ₂ equivalent (t)		-	-	0.37	0.37	0.37	0.37	0.47	0.47	0.68	0.68		
MAX added quantity (kg)		-	-	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26		
CO ₂ equivalent (t)		-	-	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18		

(*) 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".