

# MSZ-BT SERIES



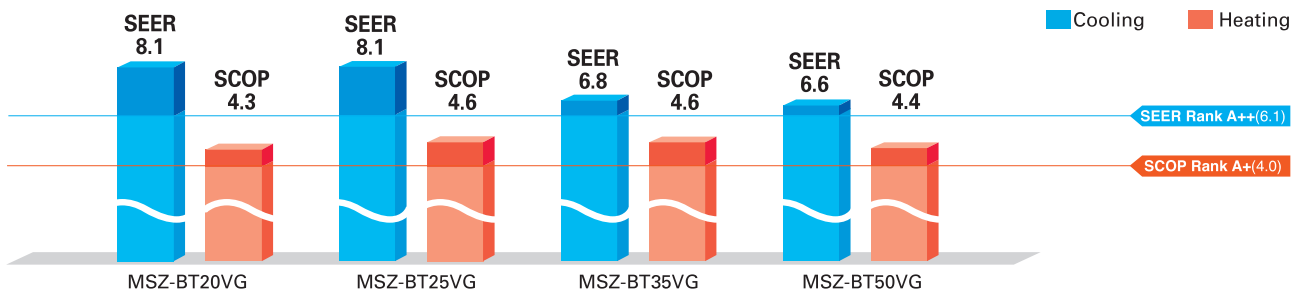
MSZ-BT20/25/35/50VG(K)



## High Energy Efficiency for Entire Range of Series

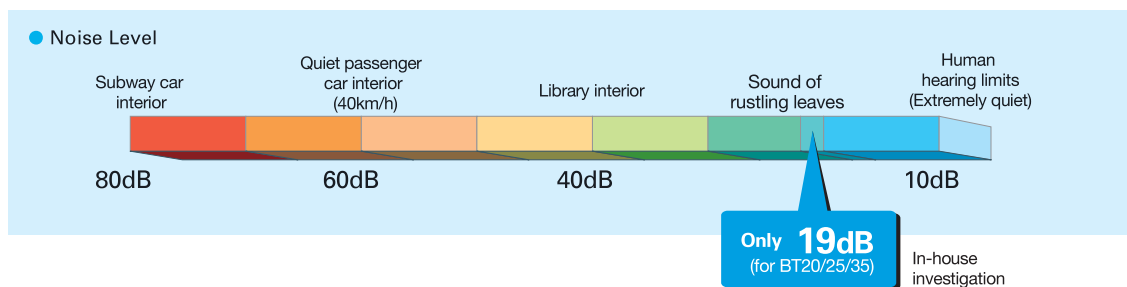


All models in the series, from the low-capacity 20 to the high-capacity 50, have achieved the "Rank A++" for SEER and size 25 and 35 have achieved the "Rank A++" for SCOP as energy-savings rating. For home use, such as in bedrooms and living rooms, to light commercial use, such as in offices, our air conditioners are contributing to reduced energy consumption in a wide range.



## Quiet Operation

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



## New Remote Controller

New stylish and compact remote controller features easy-read big display and simple button position with fundamental functions.



## Built-in Wi-Fi Interface

(MSZ-BT20/25/35/50VGK)



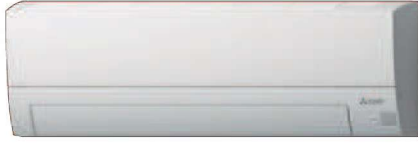
The indoor unit is equipped with a Wi-Fi Interface inside an exclusive pocket in the unit.

This eliminates the need to install a Wi-Fi interface, and also contributes to the beautiful appearance since the interface is hidden.

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## Indoor Unit



MSZ-BT20/25/35/50VG(K)

## Outdoor Unit



MUZ-BT20VG

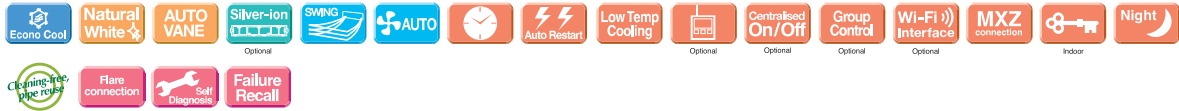


MUZ-BT25/35VG



MUZ-BT50VG

## Remote Controller



Type		Inverter Heat Pump					
Indoor Unit		MSZ-BT20VG(K)	MSZ-BT25VG(K)	MSZ-BT35VG(K)	MSZ-BT50VG(K)		
Outdoor Unit		MUZ-BT20VG	MUZ-BT25VG	MUZ-BT35VG	MUZ-BT50VG		
Refrigerant		R32 <sup>(1)</sup>					
Power Source		Outdoor Power supply					
Supply		230V/Single/50Hz					
Cooling	Design load	kW	2.0	2.5	3.5	5.0	
	Annual electricity consumption <sup>(2)</sup>	kWh/a	86	108	180	265	
	SEER <sup>(4)</sup>		8.1	8.1	6.8	6.6	
	Capacity	Energy efficiency class		A++	A++	A++	A++
		Rated	kW	2.0	2.5	3.5	5.0
Heating (Average Season) <sup>(3)</sup>	Design load	kW	1.5 (-10°C)	1.9 (-10°C)	2.4 (-10°C)	3.8 (-10°C)	
	Declared Capacity	at reference design temperature	kW	1.5 (-10°C)	1.9 (-10°C)	2.4 (-10°C)	3.8 (-10°C)
		at bivalent temperature	kW	1.5 (-10°C)	1.9 (-10°C)	2.4 (-10°C)	3.8 (-10°C)
		at operation limit temperature	kW	1.3 (-15°C)	1.7 (-15°C)	2.1 (-15°C)	3.4 (-15°C)
	Back up heating capacity	kW	0.0 (-10°C)	0.0 (-10°C)	0.0 (-10°C)	0.0 (-10°C)	
Annual electricity consumption <sup>(2)</sup>	kWh/a	487	577	727	1209		
Operating Current (Max)	Input	kW	0.024	0.024	0.031	0.037	
	Operating Current(Max)	A	0.25	0.25	0.31	0.35	
	Dimensions	H*W*D	mm	280-838-235	280-838-235	280-838-235	
	Weight	kg	9	9	9	9	
Indoor Unit	Air Volume (Lo-Mid-Hi-SH) <sup>(5)</sup> (Dry/Wet)	Cooling	m <sup>3</sup> /min	4.2 - 5.2 - 6.8 - 8.7 - 10.9	4.2 - 5.2 - 6.8 - 8.7 - 10.9	4.2 - 5.2 - 6.8 - 8.7 - 13.2	6.3 - 7.6 - 9.0 - 11.0 - 13.2
		Heating	m <sup>3</sup> /min	4.2 - 5.0 - 6.8 - 9.0 - 11.9	4.2 - 5.0 - 6.8 - 9.0 - 11.9	4.2 - 5.0 - 6.8 - 9.0 - 11.9	6.0 - 7.8 - 9.9 - 11.9 - 14.1
	Sound Level (SPL) (Lo-Mid-Hi-SH) <sup>(5)</sup>	Cooling	dB(A)	19 - 22 - 30 - 37 - 43	19 - 22 - 30 - 37 - 43	19 - 22 - 31 - 38 - 46	29 - 33 - 36 - 40 - 46
		Heating	dB(A)	20 - 23 - 30 - 37 - 43	20 - 23 - 30 - 37 - 43	20 - 23 - 30 - 37 - 44	29 - 33 - 38 - 43 - 48
	Sound Level (PWL)	Cooling	dB(A)	57	57	60	60
Outdoor Unit	Dimensions	H*W*D	mm	538-699-249	538-699-249	538-699-249	550-800-285
	Weight	kg	23	24	24	35	
		Operating Current (Max)	A	5.3	6.7	6.7	9.6
	Air Volume	Cooling	m <sup>3</sup> /min	30.3	32.2	32.2	30.4
		Heating	m <sup>3</sup> /min	30.3	32.2	34.6	32.7
	Sound Level (SPL)	Cooling	dB(A)	50	50	52	50
		Heating	dB(A)	50	50	52	51
	Sound Level (PWL)	Cooling	dB(A)	63	63	64	64
		Heating	dB(A)	63	63	64	64
	Breaker Size	A	10	10	10	12	
Ext. Piping	Diameter	Liquid/Gas	mm	6.35 / 9.52	6.35 / 9.52	6.35 / 9.52	6.35 / 12.7
	Max.Length	Out-In	m	20	20	20	20
	Max.Height	Out-In	m	12	12	12	12
Guaranteed Operating Range (Outdoor)	Cooling	°C	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	
	Heating	°C	-15 ~ +24	-15 ~ +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 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) 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 51-52 for heating (warmer season) specifications.