

# MSZ-S SERIES

# MSZ-G SERIES

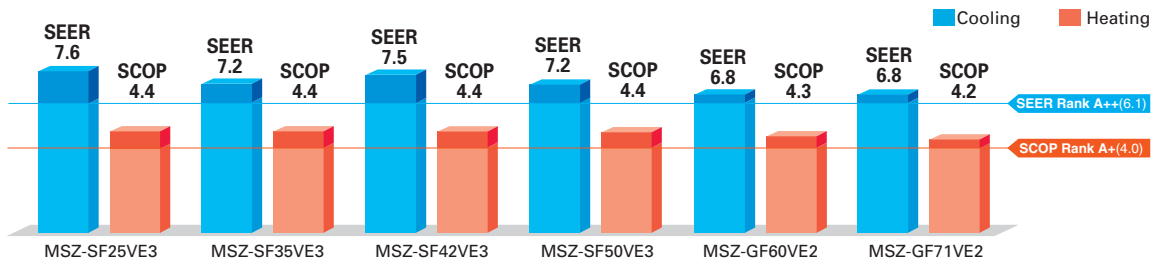
Introducing a compact and stylish indoor unit with amazingly quiet performance. Not only are neat installations in small bedrooms possible, increase energy-savings by selecting the optimal capacity required for each room.



## “Rank A++/A+” Energy Savings Achieved for Entire Range of Series



All models in the series, from the low-capacity 25 to the high-capacity 71, have achieved the “Rank A++” for SEER and “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.



## Wide Line-up

Eight different indoor units (Model 15-71) are available to meet your diversified air conditioning needs.



## Compact and Stylish

(MSZ-SF15/20VA)

The stylish, square indoor unit adds a touch of class to any room interior. The compact design is 64mm thinner than our previous indoor unit with the lowest output capacity (MSZ-GE22VA).

### Comparison with our previous model GE

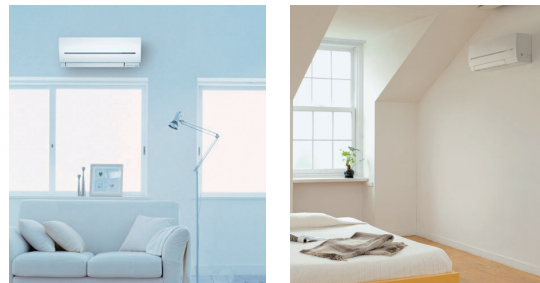


## Family Design

(MSZ-SF15/20/25/35/42/50)

Models in the 25-50 class are introduced as single-split units while retaining the popular design of the SF15/20VA\* as indoor units exclusively for multi-systems. From small rooms to living rooms, it is possible to coordinate residences with a unified design.

\*Size may vary.



## “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.

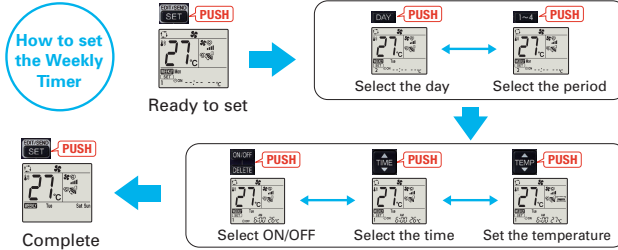
### ■ Easy set-up using dedicated buttons



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



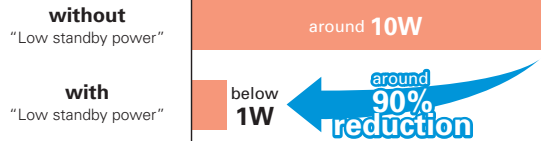
#### How to set the Weekly Timer



- 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.

## Low Standby Power

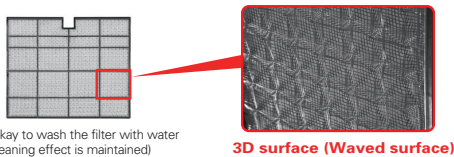
Electrical devices consume standby power even when they are not in actual use. While we obviously strive to reduce power consumption during actual use, reducing this wasted power that cannot be seen is also very important.



## Air Purifying Filter

(MSZ-SF25/35/42/50, MSZ-GF60/71)

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.



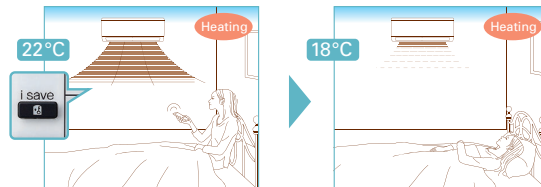
\* It is okay to wash the filter with water (air-cleaning effect is maintained)

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.

## Outdoor Units for Cold Region

(25/35/42/50)

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.



# MSZ-S SERIES



Indoor Unit

**R410A**



MSZ-SF15/20VA

Outdoor Unit

For MXZ Connection Only

Remote Controller



Type		Inverter Heat Pump												
Indoor Unit		MSZ-SF15VA	MSZ-SF20VA	MSZ-SF25VE3	MSZ-SF25VE3	MSZ-SF35VE3	MSZ-SF35VE3							
Outdoor Unit		for MXZ connection		MUZ-SF25VE	MUZ-SF25VEH	MUZ-SF35VE	MUZ-SF35VEH							
Refrigerant		R410A <sup>(1)</sup>												
Power Supply		Outdoor Power supply 230/Single/50												
Cooling	Design load	kW		-	-	2.5	2.5	3.5	3.5					
	Annual electricity consumption <sup>(2)</sup>	kWh/a		-	-	116	116	171	171					
	SEER <sup>(3)</sup>			-	-	7.6	7.6	7.2	7.2					
	Capacity	Energy efficiency class				A++		A++		A++				
		Rated	kW				2.5		2.5		3.5			
Heating (Average Season) <sup>(3)</sup>	Total Input	kW		-	-	0.9-3.4	0.9-3.4	1.1-3.8	1.1-3.8					
	Design load	kW		-	-	0.600	0.600	1.080	1.080					
	Declared Capacity	at reference design temperature		kW		-	-	2.4(-10°C)	2.4(-10°C)	2.9(-10°C)	2.9(-10°C)			
		at bivalent temperature		kW		-	-	2.4(-10°C)	2.4(-10°C)	2.9(-10°C)	2.9(-10°C)			
		at operation limit temperature		kW		-	-	2.0(-15°C)	1.6(-20°C)	2.2(-15°C)	1.6(-20°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		-	-	764	790	923	948						
Operating Current (Max)	SCOP <sup>(4)</sup>					4.4		4.3		4.4				
	Capacity	Energy efficiency class				A+		A+		A+				
		Rated	kW				3.2		3.2		4.0			
	Total Input	kW		-	-	1.0-4.1	1.0-4.1	1.3-4.6	1.3-4.6					
	Rated	kW		-	-	0.780	0.780	1.030	1.030					
Indoor Unit	Input	A				8.4		8.5		8.5				
		Rated	kW		0.017	0.019	0.024	0.024	0.027	0.027				
	Operating Current(Max)	A				0.17		0.19		0.3				
	Dimensions	H*W*D		mm		250-760-168		250-760-168		299-798-195		299-798-195		
		Weight	kg				7.7		7.7		10		10	
Outdoor Unit	Air Volume (Lo-Low-Mid-Hi-SH <sup>(5)</sup> Dry/Wet)	Cooling	m <sup>3</sup> /min		3.5 - 3.9 - 4.6 - 5.5 - 6.4	3.5 - 3.9 - 4.6 - 5.5 - 6.9	3.2 - 4.1 - 5.6 - 7.2 - 9.1	3.2 - 4.1 - 5.6 - 7.2 - 9.1	3.2 - 4.1 - 5.6 - 7.2 - 9.1	3.2 - 4.1 - 5.6 - 7.2 - 9.1				
		Heating	m <sup>3</sup> /min		3.7 - 4.4 - 5.0 - 6.0 - 6.8	3.7 - 4.4 - 5.0 - 6.0 - 7.3	3.0 - 4.1 - 6.7 - 8.2 - 10.3	3.0 - 4.1 - 6.7 - 8.2 - 10.3	3.0 - 4.1 - 6.7 - 8.3 - 11.0	3.0 - 4.1 - 6.7 - 8.3 - 11.0				
	Sound Level (SPL) (Lo-Low-Mid-Hi-SH <sup>(5)</sup> )	Cooling	dB(A)		21 - 26 - 30 - 35 - 40	21 - 26 - 30 - 35 - 42	19 <sup>(6)</sup> - 24 - 30 - 36 - 42	19 <sup>(6)</sup> - 24 - 30 - 36 - 42	19 <sup>(6)</sup> - 24 - 30 - 36 - 42	19 <sup>(6)</sup> - 24 - 30 - 36 - 42				
		Heating	dB(A)		21 - 26 - 30 - 35 - 40	21 - 26 - 30 - 35 - 42	19 <sup>(6)</sup> - 24 - 34 - 39 - 45	19 <sup>(6)</sup> - 24 - 34 - 39 - 45	19 <sup>(6)</sup> - 24 - 34 - 40 - 46	19 <sup>(6)</sup> - 24 - 34 - 40 - 46				
	Sound Level (PWL)	dB(A)				59		60		57		57		
Ext. Piping	Dimensions	H*W*D		mm		-		550-800-285		550-800-285		550-800-285		
	Weight	kg				-		31		31		31		
	Air Volume	Cooling	m <sup>3</sup> /min				-		31.1		31.1		35.9	
		Heating	m <sup>3</sup> /min				-		30.7		30.7		35.9	
	Sound Level (SPL)	Cooling	dB(A)				-		47		47		49	
Heating		dB(A)				-		48		48		50		
Sound Level (PWL)	Cooling	dB(A)				-		58		58		62		
	Heating	dB(A)				-		58		58		62		
Operating Current (Max)	A				-		8.2		8.2		8.2			
	Breaker Size		A				-		10		10			
Guaranteed Operating Range (Outdoor)	Diameter	Liquid/Gas		mm		6.35/9.52		6.35/9.52		6.35/9.52		6.35/9.52		
	Max.Length	Out-In		m		-		20		20		20		
	Max.Height	Out-In		m		-		12		12		12		
Guaranteed Operating Range (Outdoor)	Cooling	°C				-		-10 ~ +46		-10 ~ +46		-10 ~ +46		
	Heating	°C				-		-15 ~ +24		-20 ~ +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 1975. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 1975 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 R410A is 2088 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 00 for heating (warmer season) specifications.  
(6) For single use: only 19dB(A). For multi use (MXZ): 21dB(A).

**MSZ-S** SERIES  
**MSZ-G** SERIES



Indoor Unit

**R410A**



MSZ-SF25/35/42/50VE3



MSZ-GF60/71VE2

Outdoor Unit

**R410A**



MUZ-SF25/35/42VE(H)



MUZ-SF50VE(H)  
MUZ-GF60/71VE

Remote Controller



Type	Inverter Heat Pump											
Indoor Unit	MSZ-SF42VE3	MSZ-SF42VE3	MSZ-SF50VE3	MSZ-SF50VE3	MSZ-GF60VE2	MSZ-GF71VE2						
Outdoor Unit	MUZ-SF42VE	MUZ-SF42VEH	MUZ-SF50VE	MUZ-SF50VEH	MUZ-GF60VE	MUZ-GF71VE						
Refrigerant	R410A <sup>(1)</sup>											
Power Supply	Outdoor Power supply 230/Single/50											
Cooling	Design load	kW		4.2	4.2	5.0	5.0	6.1	7.1			
	Annual electricity consumption <sup>(2)</sup>	kWh/a		196	196	246	246	311	364			
	SEER <sup>(3)</sup>			7.5	7.5	7.2	7.2	6.8	6.8			
	Capacity	Energy efficiency class		A++		A++		A++		A++		
		Rated	kW		4.2	4.2	5.0	5.0	6.1	7.1		
Heating (Average Season) <sup>(4)</sup>	Declared Capacity	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)	
		at operation limit 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)	
	Back up heating capacity	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)	
		at operation limit temperature		kW		3.4 (-15°C)	2.2 (-20°C)	3.4 (-15°C)	2.3 (-20°C)	3.7 (-15°C)	5.4 (-15°C)	
	Annual electricity consumption <sup>(2)</sup>	kWh/a		1215	1242	1351	1380	1489	2204			
Operating Current (Max)	SCOP <sup>(5)</sup>	Energy efficiency class		A+		A+		A+				
		Rated	kW		4.4	4.3	4.4	4.3	4.3	4.2		
	Capacity	Rated	kW		5.4	5.4	5.8	5.8	6.8	8.1		
		Min-Max	kW		1.3-6.0	1.3-6.0	1.4-7.3	1.4-7.3	2.0-9.3	2.2-9.9		
	Total Input	Rated	kW		1.580	1.580	1.700	1.700	1.810	2.230		
Indoor Unit	Operating Current (Max)	A	A		A		A		A			
		Rated	kW		0.027	0.027	0.035	0.035	0.062	0.058		
	Dimensions	H*W*D		mm		299-798-195	299-798-195	299-798-195	299-798-195	325-1100-238	325-1100-238	
		Weight	kg		10		10		16		16	
	Air Volume	Cooling	m <sup>3</sup> /min		4.7 - 5.8 - 6.7 - 7.9 - 9.1		4.7 - 5.8 - 6.7 - 7.9 - 9.1		5.1 - 6.2 - 7.0 - 8.2 - 9.9		5.1 - 6.2 - 7.0 - 8.2 - 9.9	
Heating		m <sup>3</sup> /min		4.7 - 5.8 - 7.2 - 9.1 - 11.4		4.7 - 5.8 - 7.2 - 9.1 - 11.4		5.1 - 6.4 - 8.0 - 9.8 - 12.0		5.1 - 6.4 - 8.0 - 9.8 - 12.0		
Sound Level (SPL)	Cooling	dB(A)		26 <sup>(6)</sup> - 31 - 34 - 38 - 42		26 <sup>(6)</sup> - 31 - 34 - 38 - 42		28 <sup>(7)</sup> - 33 - 36 - 40 - 45		28 <sup>(7)</sup> - 33 - 36 - 40 - 45		
	Heating	dB(A)		26 <sup>(6)</sup> - 31 - 36 - 42 - 47		26 <sup>(6)</sup> - 31 - 36 - 42 - 47		28 <sup>(7)</sup> - 33 - 38 - 43 - 49		28 <sup>(7)</sup> - 33 - 38 - 43 - 49		
Sound Level (PWL)	Cooling	dB(A)		57		57		58		58		
	Heating	dB(A)		57		57		58		58		
Dimensions	H*W*D		mm		550-800-285		550-800-285		880-840-330		880-840-330	
	Weight	kg		35		35		55		55		
Air Volume	Cooling	m <sup>3</sup> /min		35.2		35.2		44.6		44.6		
	Heating	m <sup>3</sup> /min		33.6		33.6		44.6		44.6		
Sound Level (SPL)	Cooling	dB(A)		50		50		52		52		
	Heating	dB(A)		51		51		52		52		
Sound Level (PWL)	Cooling	dB(A)		63		63		65		65		
	Heating	dB(A)		63		63		65		65		
Operating Current (Max)	A		A		A		A		A			
	Rated	kW		9.2		9.2		12		14		
Breaker Size	A		A		A		A		A			
	Rated	kW		10		10		16		20		
Ext. Piping	Liquid/Gas	mm		6.35 / 9.52		6.35 / 9.52		6.35 / 12.7		6.35 / 15.88		
	Max.Length	m		20		20		30		30		
	Max.Height	m		12		12		15		15		
Guaranteed Operating Range (Outdoor)	Cooling	°C		-10 ~ +46		-10 ~ +46		-10 ~ +46		-10 ~ +46		
	Heating	°C		-15 ~ +24		-15 ~ +24		-15 ~ +24		-15 ~ +24		

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(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 00 for heating (warmer season) specifications.  
(6) For single use: only 26dB(A). For multi use (MX2): 28dB(A).  
(7) For single use: only 28dB(A). For multi use (MX2): 30dB(A).