

MLZ SERIES

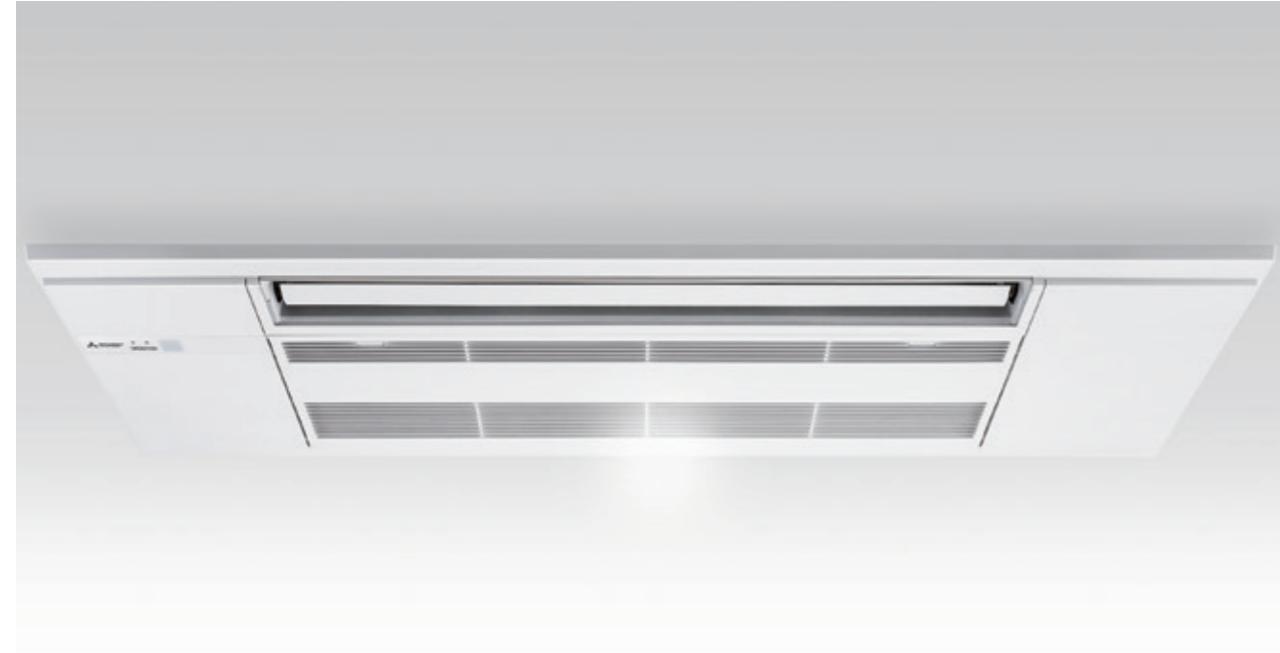
Introducing a new type of ceiling cassette for the Multi-Split Series with streamlined interior dimensions and a sharp, sleek appearance.

R32
R410A
Multi



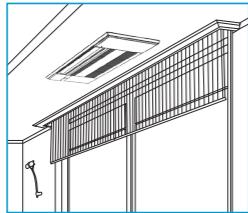
Slim Design

Industry leading slim body realized a simple design with linear beauty.



Ceiling Mounted

Installing the ceiling-mounted MLZ Series unit in a room creates a more spacious feel that enhances room comfort. This overhead format is also an excellent solution when lighting equipment is installed at the centre of the room and fixtures such as book shelves are mounted on wall surfaces.



Slim Body

The new units are designed with a slim body (only 185mm high), ensuring easy installation even when low ceiling cavities limit installation space. The need for ceiling cavity service space is also eliminated, further reducing the dimensions required for installation.



Set Airflow According to Ceiling Height

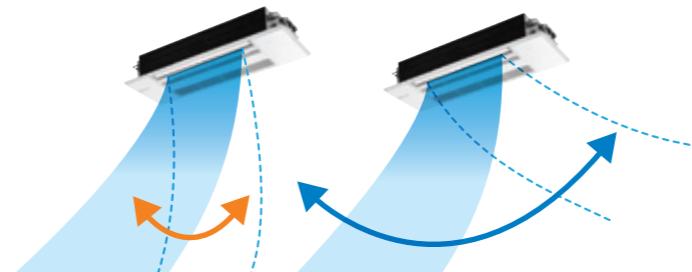
Dual-level airflow selection is engineered to accommodate specific ceiling heights. This is a key feature for adjusting airflow effectively when it is either too strong or too weak due to being mismatched with the height of the ceiling.

	25	35	50
Standard	2.4m	2.4m	2.4m
High ceiling	2.7m	2.7m	2.7m

MLZ-KP25/35/50VF

Auto Vane Control

Outlet vanes can be moved left and right, and up and down using the remote controller. This improved airflow control feature solves the problem of drafts.



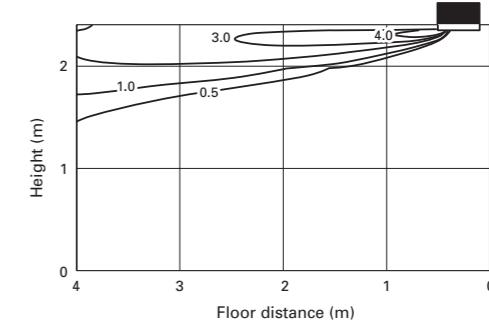
Up and Down Left and Right

*Only available when Econo Cool is set.

Horizontal Airflow

The new airflow control completely eliminates that uncomfortable drafty-feeling with the introduction of a horizontal airflow that spreads across the ceiling. The ideal airflow for offices and restaurants.

[Horizontal Airflow]
Model name: MLZ-KP35VF
Ceiling height: 2.4m
Model: Cooling



Built-in Weekly Timer Function

Easily set desired temperatures and operation ON/OFF 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.

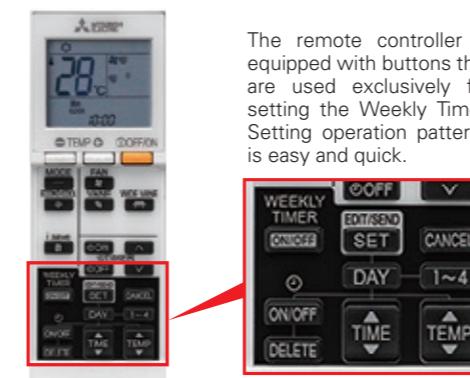
Example Operation Pattern (Winter/Heating mode)

	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.	Sun.
6:00	ON 20°C						
8:00							
10:00	OFF	OFF	OFF	OFF	OFF	ON 18°C	ON 18°C
12:00							
14:00							
16:00							
18:00	ON 22°C						
20:00							
22:00							
(during sleeping hours)	ON 18°C	ON 10°C	ON 10°C				

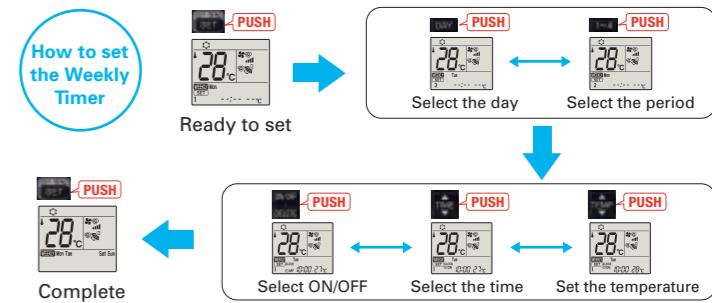
Settings Pattern Settings: Input up to four settings for each day

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.

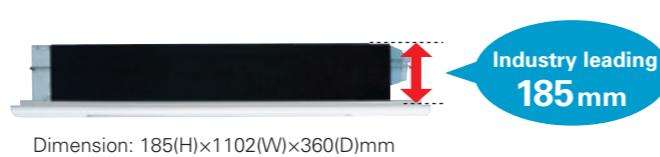


- Start by pushing the "SET" button and follow the instructions to set the desired patterns. Once all of the desired patterns are input, point the top end of the remote controller at the indoor unit and push the "SET" button one more time. (Push the "SET" button only after inputting all of the desired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

Easy Installation

Industry leading Slim Body

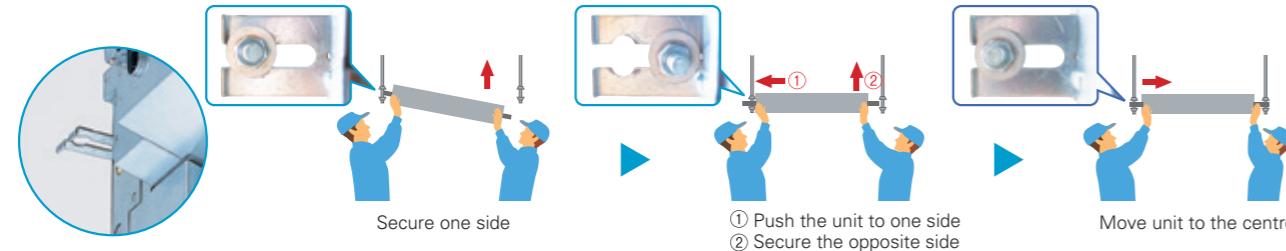
Inovative size which enables to fold the refrigerant piping above the unit.



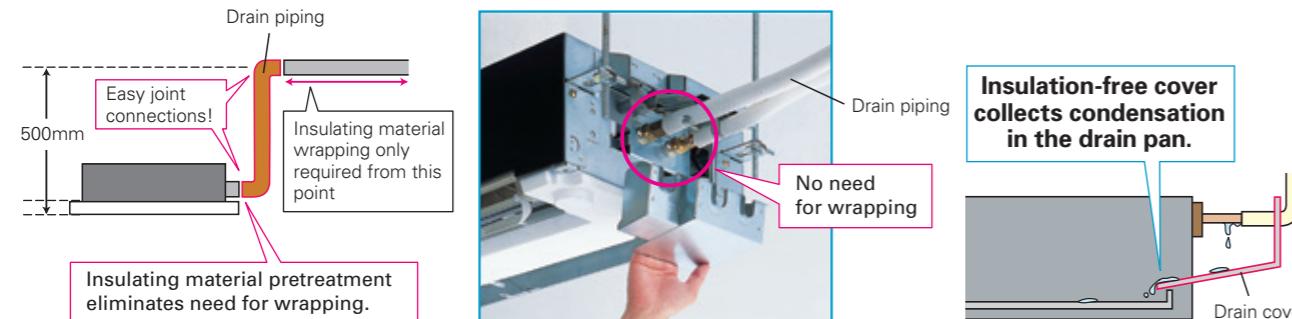
Dimension: 185(H) x 1102(W) x 360(D)mm

Temporary hanging hook

Work efficiency has improved during installation.

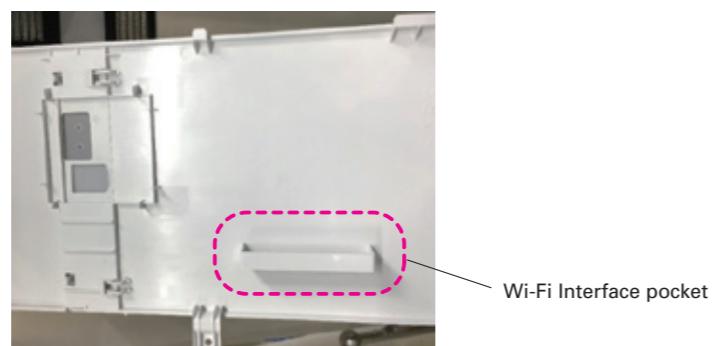


Drain Piping Supporters + Drain Cover



Wi-Fi Interface Installation (Optional)

The indoor unit panel is equipped with a Wi-Fi Interface pocket, contributing to the beautiful appearance, easy installation, and maintenance.



MLZ-KP SERIES

Indoor Unit R32



GOOD DESIGN AWARD 2017

Panel

MLP-444W



Outdoor Unit



SUZ-M25/35VA



SUZ-M50VA

Remote Controller



Enclosed in
MLZ-KP



*optional



*optional



*optional

Type	Inverter Heat Pump				
Indoor Unit	MLZ-KP25VF	MLZ-KP35VF	MLZ-KP50VF		
Outdoor Unit	SUZ-M25VA	SUZ-M35VA	SUZ-M50VA		
Refrigerant	R32 ⁽¹⁾	R32 ⁽¹⁾	R32 ⁽¹⁾		
Power Supply	Source Outdoor (V / Phase / Hz)	Outdoor Power supply 230V / Single / 50Hz			
Cooling	Design load Rated kW	2.5	3.5	5.0	
	Annual electricity consumption ⁽²⁾ kWh/a	141	175	260	
	SEER ^{(3), (4)}	6.2	7.0	6.7	
	Capacity Rated kW	A++	A++	A++	
	Min-Max kW	1.4 - 3.2	0.8 - 3.9	1.7 - 5.6	
	Total Input Rated kW	0.59	0.94	1.38	
	Design load Rated kW	2.2	2.6	4.3	
	Declared Capacity at reference design temperature kW	2.0 (-10°C)	2.3 (-10°C)	3.8 (-10°C)	
	at bivalent temperature kW	2.0 (-7°C)	2.3 (-7°C)	3.8 (-7°C)	
	at operation limit temperature kW	2.0 (-10°C)	2.3 (-10°C)	3.8 (-10°C)	
Heating (Average Season)	Back up heating capacity Rated kW	0.2	0.3	0.5	
	Annual electricity consumption ⁽²⁾ kWh/a	697	791	1397	
	SCOP ^{(4), (5)}	4.4	4.6	4.3	
	Energy efficiency class Rated kW	A+	A++	A+	
	Min-Max kW	3.2	4.1	6.0	
	Total Input Rated kW	0.80	1.10	1.86	
Operating Current (Max)	Input Rated kW	7.2	8.9	13.9	
	Operating Current (Max) A	0.04	0.04	0.04	
Indoor Unit	Dimensions H*W*D mm	185-1102-360	185-1102-360	185-1102-360	
	Weight kg	15.5	15.5	15.5	
	Air Volume (Slo-Lo-Mid-Hi ⁽⁶⁾) Cooling m ³ /min	6.0-7.2-8.0-8.8	6.0-7.3-8.4-9.4	6.0-8.3-9.8-11.4	
	Heating m ³ /min	6.0-7.0-8.2-9.2	6.0-7.7-8.8-9.9	6.0-8.8-10.3-11.8	
	Sound Level (SPL) (Slo-Lo-Mid-Hi ⁽⁶⁾) Cooling dB(A)	27-31-34-38	27-32-36-40	29-36-41-47	
	Heating dB(A)	26-27-34-37	29-32-36-40	26-37-42-48	
Panel	Sound Level (PWL) Cooling dB(A)	52	53	59	
	Dimensions H*W*D mm	24-1200-424	24-1200-424	24-1200-424	
	Weight kg	3.5	3.5	3.5	
	Dimensions H*W*D mm	550-800-285	550-800-285	550-800-285	
Outdoor Unit	Weight kg	30	35	41	
	Air Volume Cooling m ³ /min	36.3	34.3	45.8	
	Heating m ³ /min	34.6	32.7	43.7	
	Sound Level (SPL) Cooling dB(A)	45	48	48	
	Heating dB(A)	46	48	49	
	Sound Level (PWL) Cooling dB(A)	59	59	64	
	Operating Current (Max) A	6.8	8.5	13.5	
	Breaker Size A	10	10	20	
Ext. Piping	Diameter Liquid/Gas mm	6.35/9.52	6.35/9.52	6.35/12.7	
	Max.Length Out-In m	20	20	30	
	Max.Height Out-In m	12	12	30	
	Guaranteed Operating Range (Outdoor) Cooling °C	-10~+46	-10~+46	-15~+46	
	Heating °C	-10~+24	-10~+24	-10~+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. The mass that 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 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.

(*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) SHRI: 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) SEER and SCOP are based on 2009/125/EC:Energy-related Products Directive and Regulation(EU) No206/2012.

Specification on Warmer/Colder Condition

Type	Inverter Heat Pump						
Indoor Unit	MSZ-RW25VG		MSZ-RW35VG		MSZ-RW50VG		
Outdoor Unit	MUZ-RW25VGHZ		MUZ-RW35VGHZ		MUZ-RW50VGHZ		
Refrigerant	R32 (*)						
Cooling	Design load	kW	2.5	3.5	5.0		
	Annual electricity consumption ^(*)	kWh/a	78	130	230		
	SEER		11.2	9.4	7.6		
	Energy efficiency class		A+++	A++	A++		
Heating (Warmer Season)	Design load	kW	1.8	2.2	3.3		
	at reference design temperature	kW	1.8	2.2	3.3		
	Declared Capacity	kW	1.8	2.2	3.3		
	at bivalent temperature	kW	2.6	2.6	4.0		
	at operation limit temperature	kW	0.0	0.0	0.0		
	Back up heating capacity	kW	0.0	0.0	0.0		
	Annual electricity consumption ^(*)	kWh/a	372	469	715		
	SCOP		6.7	6.5	6.4		
	Energy efficiency class		A+++	A+++	A+++		
Heating (Colder Season)	Design load	kW	4.7	5.9	8.8		
	at reference design temperature	kW	3.7	4.0	5.6		
	Declared Capacity	kW	3.2	4.0	6.0		
	at bivalent temperature	kW	2.6	2.6	4.0		
	at operation limit temperature	kW	1.0	1.9	3.2		
	Back up heating capacity	kW	0.0	0.0	0.0		
	Annual electricity consumption ^(*)	kWh/a	2407	3083	5157		
	SCOP		4.1	4.0	3.5		
	Energy efficiency class		A+	A+	A		

Type	Inverter Heat Pump						
Indoor Unit	MSZ-LN25VG2		MSZ-LN35VG2		MSZ-LN50VG2		MSZ-LN60VG2
Outdoor Unit	MUZ-LN25VG2		MUZ-LN25VGHZ2		MUZ-LN35VG2		MUZ-LN35VGHZ2
Refrigerant	R32 (*)						
Cooling	Design load	kW	2.5	2.5	3.5	3.5	5
	Annual electricity consumption ^(*)	kWh/a	83	83	129	130	205
	SEER		10.5	10.5	9.5	9.4	8.5
	Energy efficiency class		A+++	A++	A++	A++	A++
Heating (Warmer Season)	Design load	kW	1.7 (2°C)	1.8 (2°C)	2.0 (2°C)	2.2 (2°C)	2.5 (2°C)
	at reference design temperature	kW	1.7 (2°C)	1.8 (2°C)	2.0 (2°C)	2.2 (2°C)	2.5 (2°C)
	Declared Capacity	kW	1.7 (2°C)	1.8 (2°C)	2.0 (2°C)	2.2 (2°C)	2.5 (2°C)
	at bivalent temperature	kW	2.5 (-15°C)	2.3 (-25°C)	3.2 (-15°C)	3.1 (-25°C)	4.2 (-15°C)
	at operation limit temperature	kW	0.0 (2°C)	0.0 (2°C)	0.0 (2°C)	0.0 (2°C)	0.0 (2°C)
	Back up heating capacity	kW	0.0	0.0	0.0	0.0	0.0
	Annual electricity consumption ^(*)	kWh/a	369	382	431	467	602
	SCOP		6.4	6.6	6.5	6.5	5.8
	Energy efficiency class		A+++	A+++	A+++	A+++	A+++
Heating (Colder Season)	Design load	kW	—	4.7 (-22°C)	—	5.9 (-22°C)	—
	at reference design temperature	kW	—	2.6 (-22°C)	—	3.4 (-22°C)	—
	Declared Capacity	kW	—	3.2 (-10°C)	—	4.0 (-10°C)	—
	at bivalent temperature	kW	—	2.3 (-25°C)	—	3.1 (-25°C)	—
	at operation limit temperature	kW	—	2.1 (-22°C)	—	2.5 (-22°C)	—
	Back up heating capacity	kW	—	2425	—	3075	—
	Annual electricity consumption ^(*)	kWh/a	—	—	—	5340	—
	SCOP		—	4.0	—	4.0	—
	Energy efficiency class		—	A+	—	A	—

Type	Inverter Heat Pump						
Indoor Unit	MSZ-FT25VG		MSZ-FT35VG		MSZ-FT50VG		
Outdoor Unit	MUZ-FT25VGHZ		MUZ-FT35VGHZ		MUZ-FT50VGHZ		
Refrigerant	R32 (*)						
Cooling	Design load	kW	2.5	3.5	5.0		
	Annual electricity consumption ^(*)	kWh/a	101	142	243		
	SEER		8.6	8.6	7.2		
	Energy efficiency class		A+++	A++	A++		
Heating (Warmer Season)	Design load	kW	1.8 (2°C)	2.2 (2°C)	2.7 (2°C)		
	at reference design temperature	kW	1.8 (2°C)	2.2 (2°C)	2.7 (2°C)		
	Declared Capacity	kW	1.8 (2°C)	2.2 (2°C)	2.7 (2°C)		
	at bivalent temperature	kW	3.0 (-25°C)	3.4 (-25°C)	3.6 (-25°C)		
	at operation limit temperature	kW	0.0 (2°C)	0.0 (2°C)	0.0 (2°C)		
	Back up heating capacity	kW	0.0	0.0	0.0		
	Annual electricity consumption ^(*)	kWh/a	432	527	684		
	SCOP		5.8	5.8	5.5		
	Energy efficiency class		A+++	A+++	A+++		
Heating (Colder Season)	Design load	kW	4.7 (-22°C)	5.9 (-22°C)	7.4 (-22°C)		
	at reference design temperature	kW	3.1 (-22°C)	3.7 (-22°C)	4.0 (-22°C)		
	Declared Capacity	kW	3.2 (-10°C)	4.0 (-10°C)	5.0 (-10°C)		
	at bivalent temperature	kW	3.0 (-25°C)	3.4 (-25°C)	3.6 (-25°C)		
	at operation limit temperature	kW	1.6 (-22°C)	2.2 (-22°C)	3.4 (-22°C)		
	Back up heating capacity	kW	2766	3453	4707		
	Annual electricity consumption ^(*)	kWh/a	—	—	—		
	SCOP		3.5	3.5	3.3		
	Energy efficiency class		A	A	B		

Type	Inverter Heat Pump						
Indoor Unit	MSZ-AP15VG		MSZ-AP20VG		MSZ-AP25VG		MSZ-AP35VG
Outdoor Unit	MUZ-AP15VG		MUZ-AP20VG		MUZ-AP25VG		MUZ-AP35VG
Refrigerant	R32 (*)						
Cooling	Design load	kW	1.5	2.0	2.5	2.5	3.5
	Annual electricity consumption ^(*)	kWh/a	72	81	116	116	171
	SEER		7.2	8.6	7.6	7.6	7.2
	Energy efficiency class		A++	A+++	A++	A++	A++
Heating (Warmer Season)	Design load	kW	0.9 (2°C)	1.3 (2°C)	1.3 (2°C)	1.6 (2°C)	1.6 (2°C)
	at reference design temperature	kW	0.9 (2°C)	1.3 (2°C)	1.3 (2°C)	1.6 (2°C)	2.1 (2°C)
	Declared Capacity	kW	0.9 (2°C)	1.3 (2°C)	1.3 (2°C)	1.6 (2°C)	2.1 (2°C)
	at bivalent temperature	kW	1.6 (-15°C)	2.2 (-15°C)	1.6 (-15°C)	2.2 (-15°C)	2.3 (-15°C)
	at operation limit temperature	kW	0.0 (2°C)				
	Back up heating capacity	kW	0.0	0.0	0.0	0.0	0.0
	Annual electricity consumption ^(*)	kWh/a	265	350	337	923 / 418	417
	SCOP		4.7	5.2	5.4	5.4	5.8
	Energy efficiency class		A++	A+++	A+++	A+++	A+++

Type	Inverter Heat Pump						
Indoor Unit	MSZ-EF25VG		MSZ-EF35VG		MSZ-EF42VG		MSZ-E

Specification on Warmer/Colder Condition

Type	Inverter Heat Pump							
Indoor Unit	MSZ-SF25VE3	MSZ-SF35VE3	MSZ-SF42VE3	MSZ-SF50VE3				
Outdoor Unit	MUZ-SF25VE	MUZ-SF25VEH	MUZ-SF35VE	MUZ-SF35VEH	MUZ-SF42VE	MUZ-SF42VEH	MUZ-SF50VE	MUZ-SF50VEH
Refrigerant								
		R410A ⁽¹⁾						
Cooling	Design load	kW	2.5	2.5	3.5	3.5	4.2	4.2
	Annual electricity consumption ⁽²⁾	kWh/a	116	116	171	171	196	196
	SEER		7.6	7.6	7.2	7.2	7.5	7.5
	Energy efficiency class		A++	A++	A++	A++	A++	A++
Heating (Warmer Season)	Design load	kW	1.3 (2°C)	1.3 (2°C)	1.6 (2°C)	1.6 (2°C)	2.1 (2°C)	2.1 (2°C)
	Declared Capacity	kW	1.3 (2°C)	1.3 (2°C)	1.6 (2°C)	1.6 (2°C)	2.1 (2°C)	2.1 (2°C)
	at bivalent temperature	kW	1.3 (2°C)	1.3 (2°C)	1.6 (2°C)	1.6 (2°C)	2.1 (2°C)	2.1 (2°C)
	at operation limit temperature	kW	2.0 (-15°C)	1.6 (-20°C)	2.2 (-15°C)	1.6 (-20°C)	3.4 (-15°C)	2.2 (-20°C)
	Back up heating capacity	kW	0.0 (2°C)					
	Annual electricity consumption ⁽²⁾	kWh/a	337	337	923 / 418	417	507	507
	SCOP ⁽³⁾		5.4	5.4	5.4	5.4	5.8	5.7
	Energy efficiency class		A+++	A+++	A+++	A+++	A+++	A+++

Type	Inverter Heat Pump							
Indoor Unit	MSZ-GF60VE2	MSZ-GF71VE2	MSZ-WN25VA	MSZ-WN35VA				
Outdoor Unit	MUZ-GF60VE	MUZ-GF71VE	MUZ-WN25VA	MUZ-WN35VA				
Refrigerant								
		R410A ⁽¹⁾						
Cooling	Design load	kW	6.1	7.1	2.5	3.1		
	Annual electricity consumption ⁽²⁾	kWh/a	311	364	141	173		
	SEER		6.8	6.8	6.2	6.2		
	Energy efficiency class		A++	A++	A++	A++		
Heating (Warmer Season)	Design load	kW	2.5 (2°C)	3.7 (2°C)	1.1 (2°C)	1.3 (2°C)		
	Declared Capacity	kW	2.5 (2°C)	3.7 (2°C)	1.1 (2°C)	1.3 (2°C)		
	at bivalent temperature	kW	2.5 (2°C)	3.7 (2°C)	1.1 (2°C)	1.3 (2°C)		
	at operation limit temperature	kW	3.7 (-15°C)	5.4 (-15°C)	1.6 (-15°C)	2.0 (-15°C)		
	Back up heating capacity	kW	0.0 (2°C)	0.0 (2°C)	0.0 (2°C)	0.0 (2°C)		
	Annual electricity consumption ⁽²⁾	kWh/a	664	963	304	362		
	SCOP ⁽⁴⁾		5.3	5.4	5.0	5.0		
	Energy efficiency class		A+++	A+++	A++	A++		

Type	Inverter Heat Pump							
Indoor Unit	MSZ-HJ25VA	MSZ-HJ35VA	MSZ-HJ50VA	MSZ-HJ60VA	MSZ-HJ71VA	MSZ-DM25VA	MSZ-DM35VA	
Outdoor Unit	MUZ-HJ25VA	MUZ-HJ35VA	MUZ-HJ50VA	MUZ-HJ60VA	MUZ-HJ71VA	MUZ-DM25VA	MUZ-DM35VA	
Refrigerant								
		R410A ⁽¹⁾						
Cooling	Design load	kW	2.5	3.1	5.0	6.1	7.1	2.5
	Annual electricity consumption ⁽²⁾	kWh/a	171	212	292	354	441	149
	SEER		5.1	5.1	6.0	6.0	5.6	5.7
	Energy efficiency class		A	A	A+	A+	A+	A+
Heating (Warmer Season)	Design load	kW	1.1 (2°C)	1.3 (2°C)	2.1 (2°C)	2.5 (2°C)	2.9 (2°C)	1.1 (2°C)
	Declared Capacity	kW	1.1 (2°C)	1.3 (2°C)	2.1 (2°C)	2.5 (2°C)	2.9 (2°C)	1.1 (2°C)
	at bivalent temperature	kW	1.1 (2°C)	1.3 (2°C)	2.1 (2°C)	2.5 (2°C)	2.9 (2°C)	1.1 (2°C)
	at operation limit temperature	kW	1.9 (-10°C)	2.4 (-10°C)	3.8 (-10°C)	4.6 (-10°C)	5.4 (-10°C)	1.9 (-10°C)
	Back up heating capacity	kW	0.0 (2°C)					
	Annual electricity consumption ⁽²⁾	kWh/a	356	426	539	674	813	325
	SCOP ⁽⁴⁾		4.3	4.3	5.5	5.1	4.9	4.7
	Energy efficiency class		A+	A+	A++	A+++	A++	A++

(*) 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 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.

(**) Energy consumption based on standard test results. Actual energy consumption will depend on how the appliance is used and where it is located.

(***) 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.