

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

MLZ-KP25/35/50VF



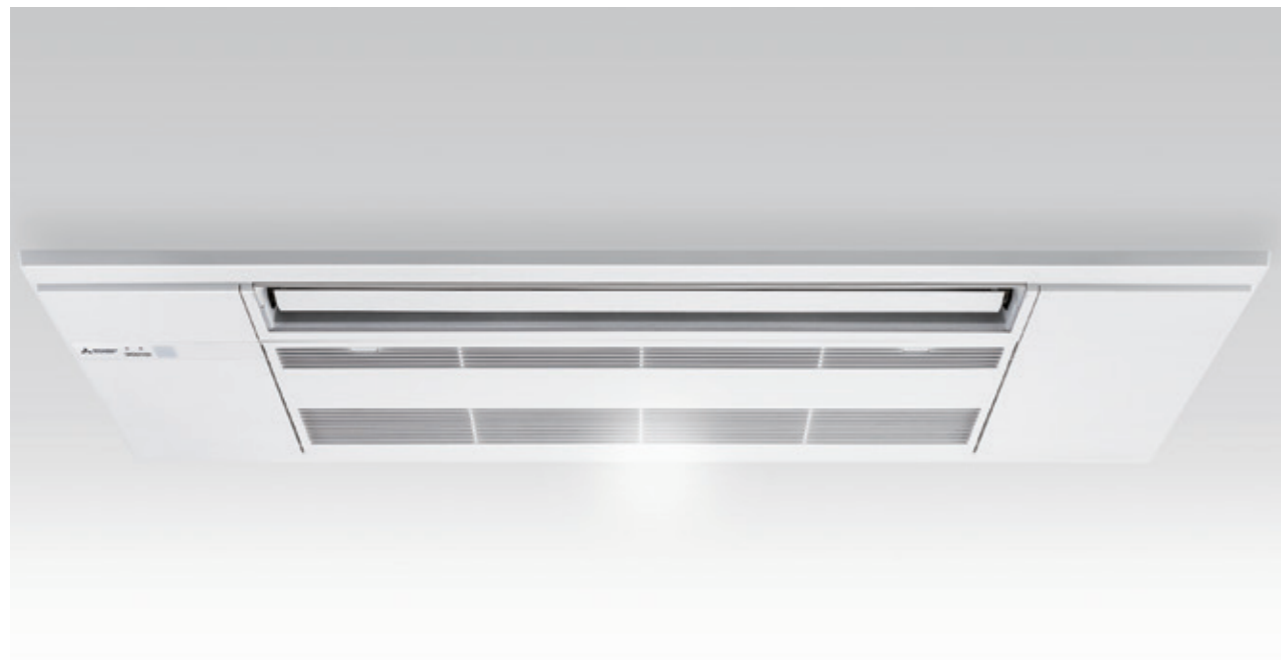
GOOD DESIGN
AWARD 2017

reddot award 2018
winner



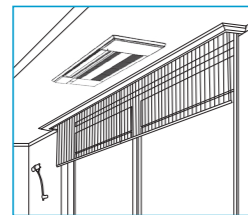
Slim Design

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.



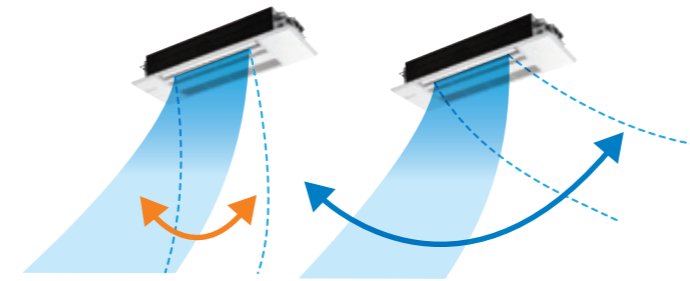
Set Airflow According to Ceiling Height

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

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.



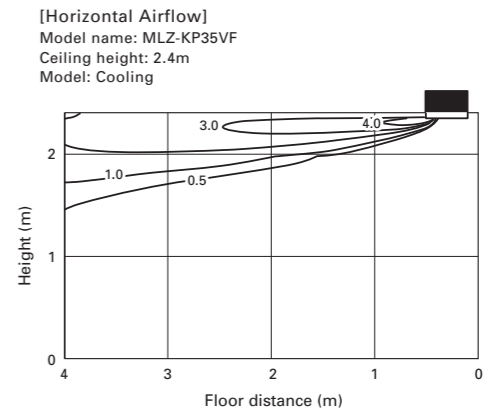
Up and Down

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.



Weekly Timer

Built-in Weekly Timer Function

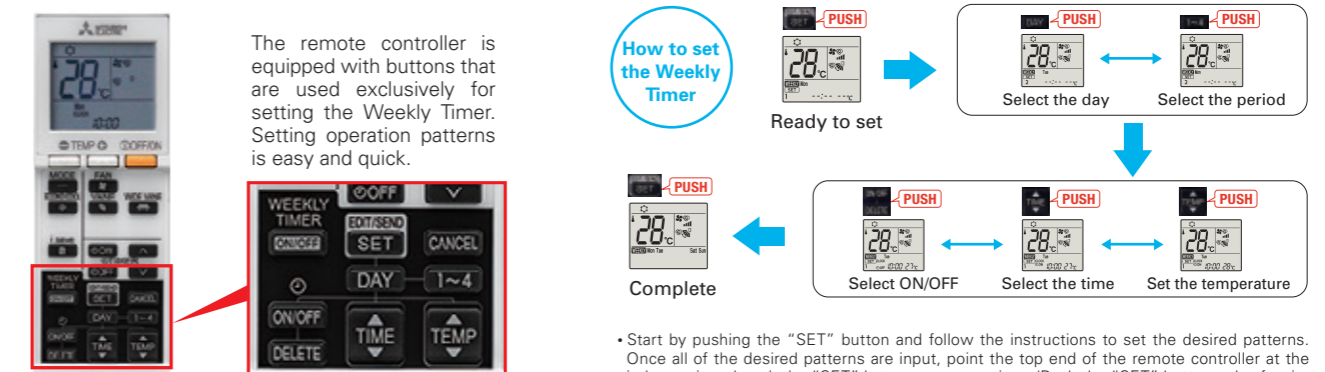
Easily set desired temperatures and operation ON/OFF times to match lifestyle patterns. Reduce wasted energy consumption by using the timer to prevent forgetting to turn off the unit and eliminate temperature setting adjustments.

Example Operation Pattern (Winter/Heating mode)

	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.	Sun.
6:00	ON 20°C	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 22°C	ON 22°C	ON 22°C	ON 22°C	ON 22°C	ON 22°C	ON 22°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 10°C	ON 10°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



How to set the Weekly Timer

Ready to set

Select the day

Select the period

Complete

Select ON/OFF

Select the time

Set the temperature

• 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.

Easy Installation

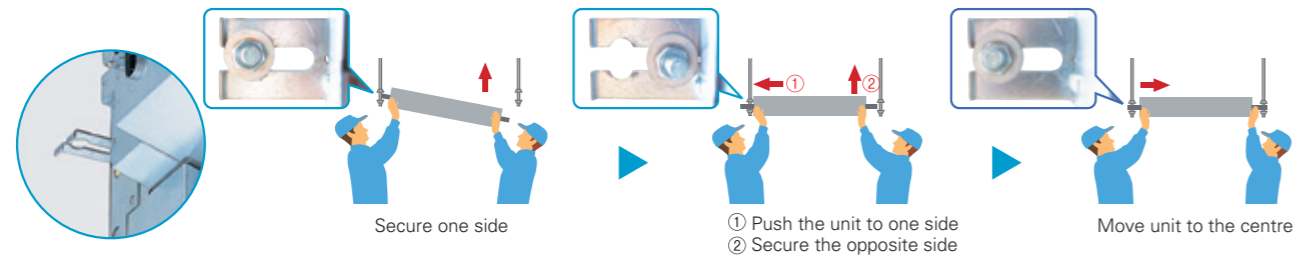
Industry leading Slim Body

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

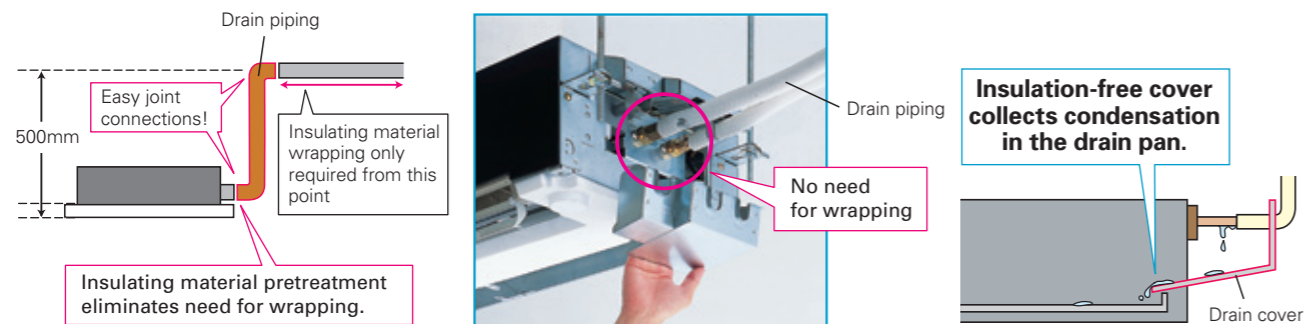


Temporary hanging hook

Work efficiency has improved during installation.

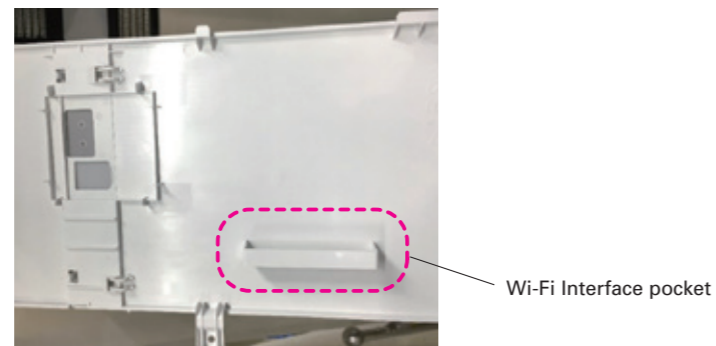


Drain Piping Supporters + Drain Cover



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



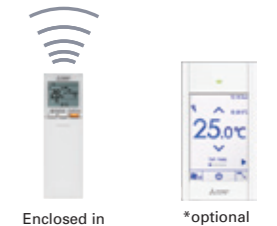
Indoor Unit R32



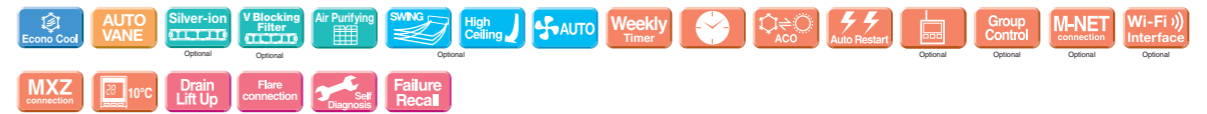
Outdoor Unit



Remote Controller



Panel MLP-444W



Type	Inverter Heat Pump			
Indoor Unit	MLZ-KP25VF	MLZ-KP35VF	MLZ-KP50VF	
Outdoor Unit	SUZ-M25VA	SUZ-M35VA	SUZ-M50VA	
Refrigerant	R32 ⁽¹⁾			
Power Supply	Source	Outdoor Power supply		
	Outdoor (V / Phase / Hz)	230V / Single / 50Hz		
Cooling	Design load	kW	2.5	
	Annual electricity consumption ⁽²⁾	kWh/a	141	
	SEER ^{(4), (5)}		6.2	
	Energy efficiency class		A++	
	Capacity	Rated	kW	2.5
Heating (Average Season)	Declared Capacity	at reference design temperature	2.0 (-10°C)	
		at bivalent temperature	2.0 (-7°C)	
		at operation limit temperature	2.0 (-10°C)	
	Back up heating capacity	kW	0.2	
	Annual electricity consumption ⁽²⁾	kWh/a	697	
Operating Current (Max)	Input	kW	7.2	
	Operating Current(Max)	A	0.40	
	Dimensions	H*W*D	185-1102-360	
	Weight	kg	15.5	
	Air Volume (SL-Lo-Mid-H ⁽³⁾)	Cooling	m ³ /min	6.0-7.2-8.0-8.8
Indoor Unit		Heating	m ³ /min	6.0-7.0-8.2-9.2
	Sound Level (SPL) (SL-Lo-Mid-H ⁽³⁾)	Cooling	dB(A)	27-31-34-38
		Heating	dB(A)	26-27-34-37
	Sound Level (PWL)	Cooling	dB(A)	52
	Dimensions	H*W*D	mm	24-1200-424
Panel	Weight	kg	3.5	
	Dimensions	H*W*D	mm	550-800-285
	Weight	kg	30	
	Air Volume	Cooling	m ³ /min	36.3
		Heating	m ³ /min	34.6
Outdoor Unit	Sound Level (SPL)	Cooling	dB(A)	45
		Heating	dB(A)	46
	Sound Level (PWL)	Cooling	dB(A)	59
	Operating Current (Max)	A	6.8	
	Breaker Size	A	10	
Ext. Piping	Diameter	Liquid/Gas	mm	6.35/9.52
	Max.Length	Out-In	m	20
	Max.Height	Out-In	m	12
Guaranteed Operating Range (Outdoor)	Cooling	°C	-10~+46	
	Heating	°C	-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. 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. 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) SEER and SCOP are based on 2009/125/EC Energy-related Products Directive and Regulation (EU) No.205/2012.

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	5.0	5.0	
	Annual electricity consumption ⁽²⁾	kWh/a		116	116	171	171	196	196	246	246	
	SEER			7.6	7.6	7.2	7.2	7.5	7.5	7.2	7.2	
		Energy efficiency class		A++	A++	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)	2.3 (2°C)	2.3 (2°C)	
	Declared Capacity	at reference design 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)	2.3 (2°C)	2.3 (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)	2.3 (2°C)	2.3 (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)	3.4 (-15°C)	2.3 (-20°C)
	Back up heating capacity	kW		0.0 (2°C)	0.0 (2°C)	0.0 (2°C)	0.0 (2°C)	0.0 (2°C)	0.0 (2°C)	0.0 (2°C)	0.0 (2°C)	0.0 (2°C)
	Annual electricity consumption ⁽²⁾	kWh/a		337	337	923 / 418	417	507	507	563	563	
	SCOP			5.4	5.4	5.4	5.4	5.8	5.8	5.7	5.7	
		Energy efficiency class		A+++	A+++	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	at reference design temperature	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 ⁽³⁾			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	3.1	
	Annual electricity consumption ⁽²⁾	kWh/a		171	212	292	354	441	149	190	
	SEER			5.1	5.1	6.0	6.0	5.6	5.8	5.7	
		Energy efficiency class		A	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)	1.3 (2°C)	
	Declared Capacity	at reference design 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)	1.3 (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)	1.3 (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)	2.4 (-10°C)
	Back up heating capacity	kW		0.0 (2°C)	0.0 (2°C)	0.0 (2°C)	0.0 (2°C)	0.0 (2°C)	0.0 (2°C)	0.0 (2°C)	0.0 (2°C)
	Annual electricity consumption ⁽²⁾	kWh/a		356	426	539	674	813	325	386	
	SCOP			4.3	4.3	5.5	5.1	4.9	4.7	4.7	
		Energy efficiency class		A+	A+	A+++	A+++	A++	A++	A++	

⁽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 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⁾ 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.