

MLZ SERIES

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

MLZ-KP25/35/50VF

R32

MLZ-KY20VG

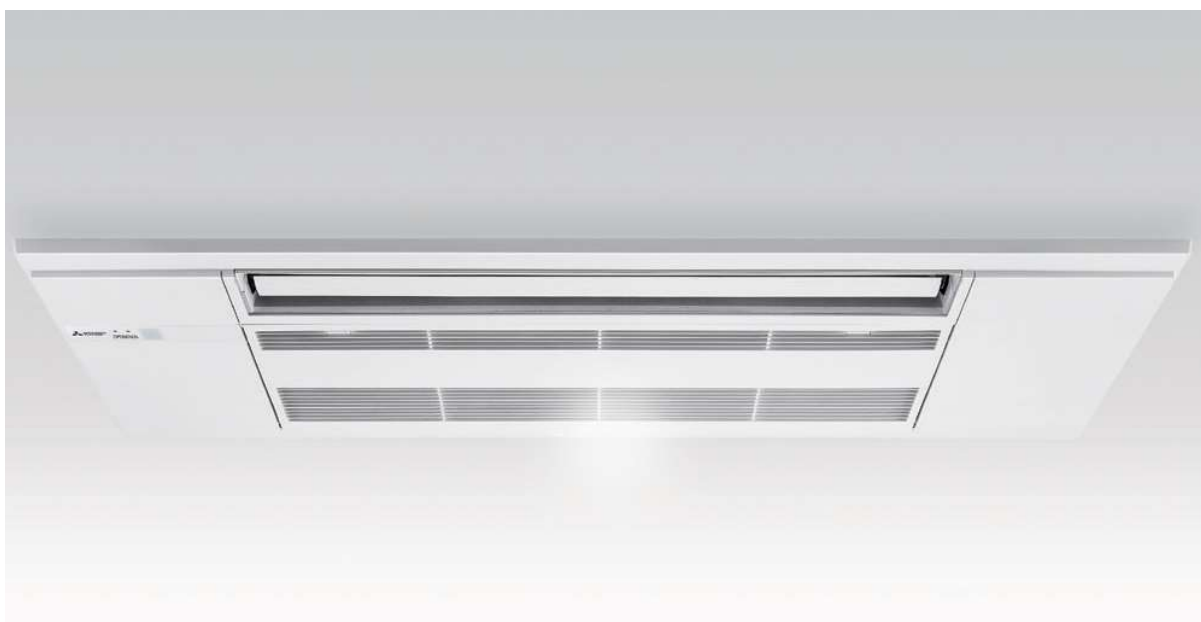


reddot award 2018 winner



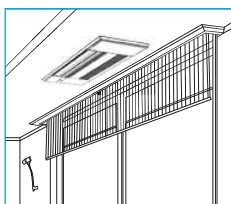
Slim Design KY KP

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



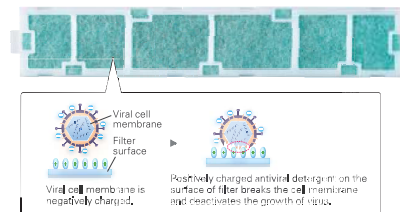
Ceiling Mounted KY KP

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 KY

V Blocking Filter with antiviral effect inhibits 99% of adhered virus and other harmful substances, such as bacteria, mold and allergen. Two-layered filter with non-woven fabric and electrostatic filter can effectively capture and remove small particles from the air in your room.



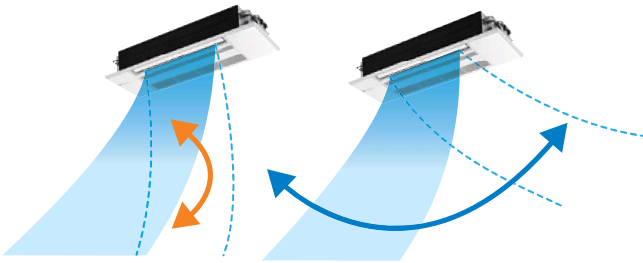
Set Airflow According to Ceiling Height KY KP

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.

	20	25	35	50
Standard	2.4m	2.4m	2.4m	2.4m
High ceiling	2.7m	2.7m	2.7m	2.7m

Auto Vane Control KY KP

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

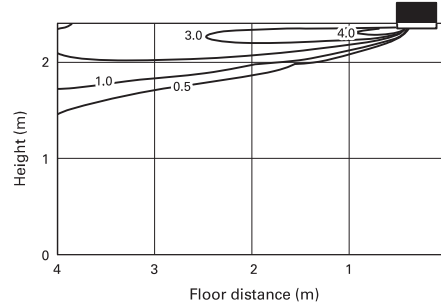
Left and Right

*Only available when Econo Cool is set.

Horizontal Airflow KY KP

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



Weekly Timer KY KP

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.

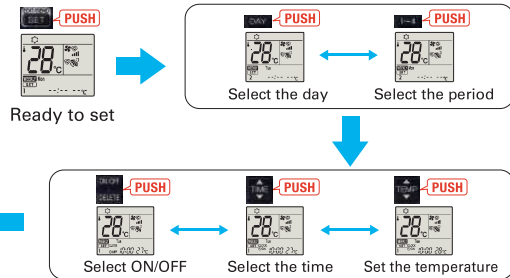
Easy set-up using dedicated buttons



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

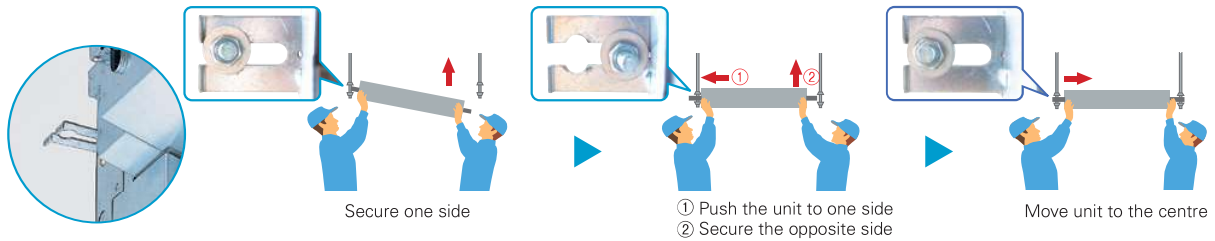


- Start by pushing the "SET" button and follow the instructions to set the desired patterns. Once all of the desired patterns are input, point the top end of the remote controller at the indoor unit and push the "SET" button one more time. (Push the "SET" button only after inputting all of the desired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

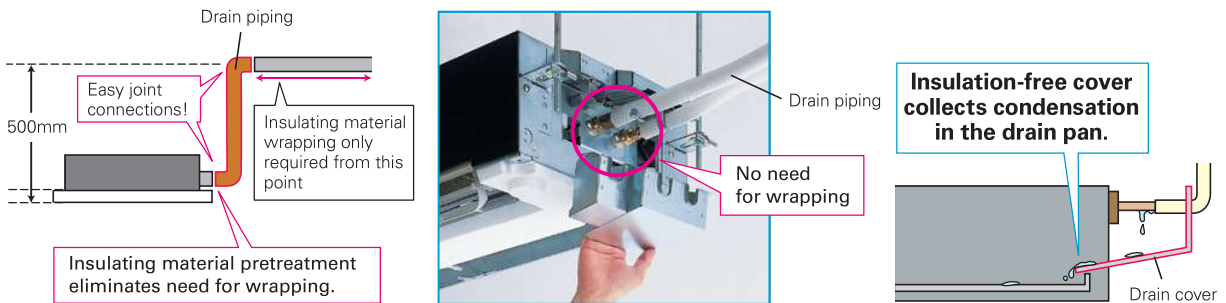
Easy Installation

Temporary hanging hook KY KP

Work efficiency has improved during installation.



Refrigerant Piping Supporters + Drain Cover KY KP



High Serviceability KY KP

No need to put off the panel even when the unit has some troubles to be checked inside. Simply open the panel to see the inside of the unit.



MLZ SERIES



Indoor Unit **R32**



MLZ-KP25/35/50VF



R32



MLZ-KY20VG

Panel

MLP-444W

MLP-448W

Outdoor Unit



SUZ-M25/35VA



SUZ-M50VA

For Multi
Connection Only

Remote Controller



Built in
MLZ-KP/KY



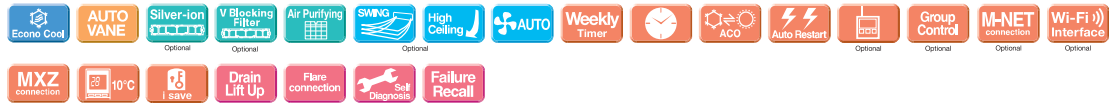
*optional



*optional



*optional



Type	Inverter Heat Pump			
Indoor Unit	MLZ-KP25VF	MLZ-KP35VF	MLZ-KP50VF	MLZ-KY20VG
Outdoor Unit	SUZ-M25VA	SUZ-M35VA	SUZ-M50VA	For Multi connection only
Refrigerant	R32 ⁽¹⁾			
Power Supply	Outdoor Power supply			
	Source	230V / Single / 50Hz		230V / Single Phase / 50Hz
Cooling	Design load	kW	2.5	3.5
	Annual electricity consumption ⁽²⁾	kWh/a	141	175
	SEER ^{(3),(4)}		6.2	7.0
	Energy efficiency class		A++	A++
	Capacity	kW	2.5	3.5
	Rated	kW	2.5	3.5
Heating (Average Season)	Min-Max	kW	1.4 - 3.2	0.8 - 3.9
	Total Input	kW	0.59	0.94
	Design load	kW	2.2	2.6
	Declared Capacity	kW	2.0 (-10°C)	2.3 (-10°C)
	at reference design temperature	kW	2.0 (-7°C)	2.3 (-7°C)
	at bivalent temperature	kW	2.0 (-10°C)	2.3 (-10°C)
	Back up heating capacity	kW	0.2	0.3
	Annual electricity consumption ⁽²⁾	kWh/a	697	791
	SCOP ^{(3),(4)}		4.4	4.6
	Energy efficiency class		A+	A+
	Rated	kW	3.2	4.1
	Capacity	kW	1.4 - 4.2	1.1 - 4.9
Indoor Unit	Min-Max	kW	1.4 - 4.2	1.7 - 7.2
	Total Input	kW	0.80	1.10
	Operating Current (Max)	A	7.2	8.9
	Input	kW	0.04	0.04
	Operating Current(Max)	A	0.40	0.40
	Dimensions	H*W*D	185-1102-360	185-1102-360
	Weight	kg	15.5	15.5
	Air Volume (SLo-Lo-Mid-Hi ⁽⁵⁾)	m³/min	6.0-7.2-8.0-8.8	6.0-7.3-8.4-9.4
	Heating	m³/min	6.0-7.0-8.2-9.2	6.0-7.7-8.8-9.9
	Sound Level (SPL)	dB(A)	27-31-34-38	27-32-36-40
	Sound Level (SPL) (SLo-Lo-Mid-Hi ⁽⁵⁾)	dB(A)	26-27-34-37	29-32-36-40
	Sound Level (PWL)	dB(A)	52	53
Panel	Dimensions	H*W*D	24-1200-424	24-1200-424
	Weight	kg	3.5	3.5
	Dimensions	H*W*D	550-800-285	550-800-285
	Weight	kg	30	35
Outdoor Unit	Air Volume	m³/min	36.3	34.3
	Heating	m³/min	34.6	32.7
	Sound Level (SPL)	dB(A)	45	48
	Heating	dB(A)	46	48
	Sound Level (PWL)	dB(A)	59	59
	Operating Current (Max)	A	6.8	8.5
	Breaker Size	A	10	10
	Diameter	Liquid/Gas	6.35/9.52	6.35/9.52
Ext. Piping	Max.Length	m	20	20
	Max.Height	m	12	12
	Guaranteed Operating Range (Outdoor)	°C	-10~+46	-10~+46
		°C	-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. 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) No206/2012.