

MLZ Series

ONE-WAY CEILING CASSETTE SYSTEM



Mr. SLIM



The MLZ One-Way Cassette Series offer a compact and streamlined ceiling-mounted solution for unobtrusive comfort. Featuring a new design combined with advanced airflow options, the MLZ Series is ideal for both home and office applications.

MLZ-KP25VF

Heating Capacity: 3.2 kW | Cooling Capacity: 2.5 kW

MLZ-KP35VF

Heating Capacity: 4.1 kW | Cooling Capacity: 3.5 kW

MLZ-KP50VF

Heating Capacity: 6.0 kW | Cooling Capacity: 5.0 kW

Key Features

R32

Next-Generation R32 Technology

MLZ One-Way Cassette Series feature the latest in super-efficient and more environmentally friendly R32 refrigerant. With a global warming potential that is 30% lower compared to older refrigerants such as R410A, next generation R32 refrigerant has a much lower environmental impact. Furthermore, zero ozone depleting R32 is easier to reuse and recycle.



Slim Body Design

The 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.



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 draughts.



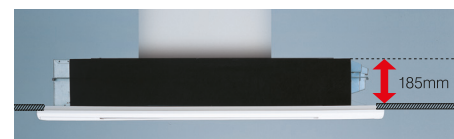
Horizontal Airflow

A new level of control completely eliminates uncomfortable draughts through the introduction of horizontal airflow, spreading airflow across the ceiling. This is ideal for offices and restaurants.

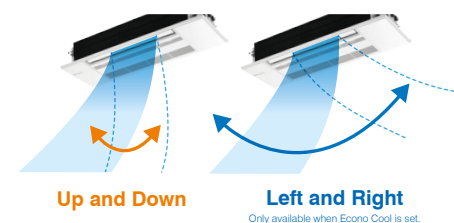


Optional Wi-Fi Control: Elevate Comfort, Maximise Efficiency

Upgrade your system with optional Wi-Fi Control. Make real-time adjustments on-the-go, no matter where you are via remote access. Optimise energy efficiency with smart scheduling and customisable zone/room control.



CAPACITY CLASS	25	35	50
Standard	2.4m	2.4m	2.4m
High Ceiling	2.7m	2.7m	2.7m



OPTIONAL
Wi-Fi
CONTROL

Specifications: MLZ One-Way Ceiling Cassette Series

REFRIGERANT		R32					
INDOOR UNIT		MLZ-KP25VF		MLZ-KP35VF		MLZ-KP50VF	
OUTDOOR UNIT		SUZ-M25VAD		SUZ-M35VAD		SUZ-M50VAD	
Function		Cooling	Heating	Cooling	Heating	Cooling	Heating
Capacity (min.–max.)	(kW)	2.5 (1.5-3.2)	3.2 (1.3-4.2)	3.5 (1.5-4.1)	4.1 (1.3-4.7)	5.0 (2.3-5.5)	6.0 (1.7-6.8)
Power Input	(kW)	0.59	0.79	0.90	1.13	1.37	1.83
Rated EER/COP		4.23	4.05	3.88	3.62	3.64	3.27
Rated AEER/ACOP		4.07	3.93	3.80	3.56	3.59	3.24
Power Supply		Single-phase, 50Hz, 230V					
Airflow	m³/min	6-7-8-8.5	6-7-8-9	6-7.5-8.5-9.5	6-7.5-8.5-10	6-8-9.5-11.5	6-8.5-10-12
	L/S	100-120-133-147	100-117-137-153	100-122-140-157	100-128-147-165	100-138-163-190	100-147-172-197
Sound Pressure Level	(dB)	27-31-34-38	26-29-34-37	27-32-36-40	26-32-36-40	29-36-41-47	26-37-42-48
Dimensions (indoor)	Height	Unit: 185, Panel: 24					
	Width	Unit: 1102, Panel: 1200					
	Depth	Unit: 360, Panel: 424					
Weight (indoor)	(kg)	Unit: 15.5, Panel: 3.5					

Outdoor Unit Specifications

OUTDOOR UNIT		SUZ-M25VAD	SUZ-M35VAD	SUZ-M50VAD
External Finish		Munsell 3.0Y 7.8 / 1.1		
Power Supply		Single-phase, 50Hz, 230V		
Compressor Output	(kW)	0.47	0.66	0.90
Airflow (Cooling/Heating)	m³/min(L/S)	36.3 (605) / 34.6 (577)	34.3 (572) / 32.7 (545)	45.8 (763) / 43.7(728)
Sound Pressure Level (Cooling/Heating)	(dB)*2	45 / 46	48 / 48	48 / 49
Sound Power Level	(dB)	59	63	66
Dimensions (H x W x D)	(mm)	550x800x285	550x800x285	714x800x285
Weight	(kg)	30	35	41
Piping Length (Chargeless/ Max.)	(m)	7 / 20	7 / 20	7 / 30
Breaker Size	(A)	10	10	20

Amount of Required Refrigerant (R32:kg)

PIPING LENGTH	FACTORY CHARGED (kg)	ADDITIONAL CHARGE (kg)				
	7m	10m	15m	20m	25m	30m
SUZ-M25	0.65	0.06	0.16	0.26	-	-
SUZ-M35	0.9	0.06	0.16	0.26	-	-
SUZ-M50	1.2	0.06	0.16	0.26	0.36	0.46

Refrigerant Piping

CAPACITY	BETWEEN INDOOR AND OUTDOOR UNITS		PIPE SIZE OD (mm – in.)	THICKNESS (mm)
	MAX. HEIGHT DIFFERENCE (m)	MAX. PIPING LENGTH (m)		
SUZ-M25/35	12	20	Liquid: Ø 6.35 – 1/4"	t 0.8
			Gas: Ø 9.52 – 3/8"	t 0.8
SUZ-M50	30	30	Liquid: Ø 6.35 – 1/4"	t 0.8
			Gas: Ø 12.7 – 1/2"	t 0.8

*2 Sound pressure measurements were conducted in an anechoic chamber. The actual noise level depends on the distance from the unit and the acoustic environment.

For more information please visit our website
or call our Customer Service Team.

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