

CP-500CM-L/R

Cooling Module



Enhance your home's protection against overheating with the **CP-500CM-L/R** cooling module - perfectly paired with the VL-500CZPVU-L/R-E residential Lossnay MVHR. This innovative system delivers tempered fresh air to help prevent overheating, supporting compliance with Part O building regulations.

Featuring a self-contained direct expansion system, advanced inverter technology, and lower GWP R32 refrigerant, it provides efficient cooling while meeting sustainability targets. Designed with Part O compliance at its core, it offers flexible activation temperatures, customisable capacity steps, and overshoot temperature controls, giving you total confidence in maintaining compliant indoor conditions.



Key Features & Benefits:

- Multi-zone activation - connect up to four room temperature sensors to detect cooling requirements from different areas
- Low system height - efficient use of space, maximising a home's floor area by allowing other services to be placed underneath the system
- Quiet performance - enjoy a restful nights sleep even in the hottest summer's without the distraction of excess noise
- Eco-friendly & efficient - the inverter-controlled compressor uses lower GWP R32 refrigerant, delivering powerful cooling while reducing environmental impact
- Hassle-free installation - designed for simplicity, ensuring a smooth and efficient setup process
- Flexible airflow - operational airflow as low as 50l/s allows precise capacity selection for each home's unique needs
- Behind-the-scenes control - ensures adherence to Part O regulations, while preventing unnecessary end-user adjustments



MODEL	CP-500CM-L/R	
OPERATION AIR FLOW (l/s)	50 - 140	
DIMENSIONS (mm)	Module	725 x 556 x 497
(Width x Depth x Height)	System	725 x 586 x 1169
WEIGHT (kg)	Module	38
	System	77
REFRIGERANT	R32	
REFRIGERANT CHARGE (kg)	0.55	
COMPRESSOR MANAGEMENT	Inverter	
SOUND POWER LEVEL (dB(A))	52.4	
DUCT SPIGOT SIZE (mm)	160	
ELECTRICAL SUPPLY	220-240V, 50Hz	
MAX RUNNING CURRENT (A)	7.6	
FUSE RATING (BS88) - HRC (A)	10	

MODEL	Procon Overheat Thermostat (OHT)	
DESCRIPTION	Manages activation and operation of cooling function. Reads internal temperature against set activation point, and manages interlock signals and system status	
CONNECT TO	VL-500CZPVU-L/R-E CP-500CM-L/R	
ELECTRICAL SUPPLY	Powered via Lossnay MVHR CN105	
DIMENSIONS (mm)	Width x Depth x Height	190 x 42 x 180
WEIGHT (kg)	1.1	
CONTROL	Temperature Input	Up to 4x 10K3A1 ^{*1}
	Heating Interlock	VFC
	Manual Activation	VFC
	Block	VFC

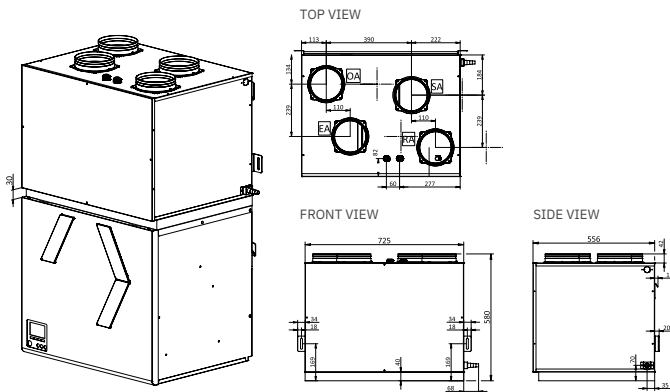
Notes: ^{*1} 1 x 10K3A1 temperature sensor supplied with Procon OHT. VFC: Volt Free Contact

CP-500CM-L/R DIMENSIONS

All dimensions are in millimetres

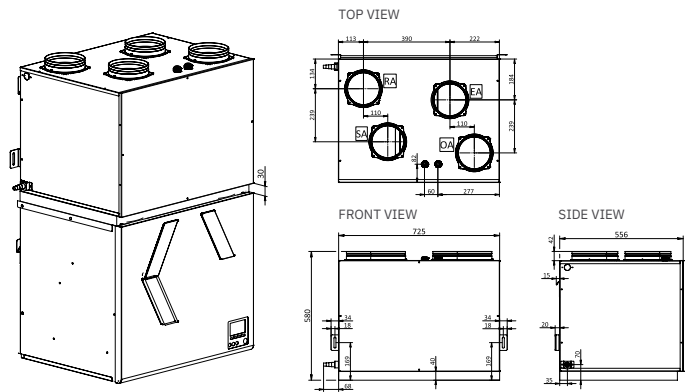
LOSSNAY + COOLING MODULE

LEFT CONFIGURATION

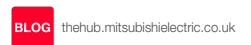
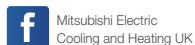


LOSSNAY + COOLING MODULE

RIGHT CONFIGURATION



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Note: The fuse rating is for guidance only and please refer to the relevant databook for detailed specification. It is the responsibility of a qualified electrician/electrical engineer to select the correct cable size and fuse rating based on current regulation and site specific conditions. Mitsubishi Electric's air conditioning equipment and heat pump systems contain a fluorinated greenhouse gas, R410A (GWP:2088), R290 (GWP:3), R32 (GWP:675), R407C (GWP:1774), R134a (GWP:1430), R513A (GWP:631), R454B (GWP:466), R454C (GWP:148), R1234ze (GWP:7) or R1234yf (GWP:4). *These GWP values are based on Regulation (EU) No 517/2014 from IPCC 4th edition. In case of Regulation (EU) No.626/2011 from IPCC 3rd edition, these are as follows. R410A (GWP:1975), R32 (GWP:550), R407C (GWP:1650) or R134a (GWP:1300).

Effective as of March 2025

