

AC Air Conditioner

IP-ACHWM050

HYGIENIC | WALL & DOOR MOUNTED | IP66 | NEMA 4x

500 Watt

IP Enclosures introduces a premium range of Hygienic Line Air Conditioners, engineered for reliable cooling of electrical cabinets. These units are suited to food, beverage and pharmaceutical applications where compliance with strict hygiene standards is critical. Designed for door or side-panel mounting, they deliver high cooling performance, operational reliability and improved energy efficiency. The use of natural refrigerant R290, with a low global warming potential of GWP = 3*, helps reduce environmental impact and supports lower carbon dioxide emissions. Manufactured in Italy to high quality standards, the Hygienic Line Air Conditioners are designed for durability, reliable operation and consistent cooling performance in demanding hygiene-sensitive environments.

**Based on the 6th Assessment Report adopted by the Intergovernmental Panel on Climate Change (IPCC). Source: 2024/573 (FGAS) Regulation.*

Protection: IP66 NEMA 4x (enclosure side); IP34 (ambient side).

Standards (& Conformities): IEC/EN 60529, Machinery Directive 2006/42/CE, EMC Directive 2014/30/EU, EN 60335-1:2012/A15:2021, EN 60335-2-40:2003/AC:2010, EN 12735-1:2020, CISPR 14-1:2020, CISPR 14-2:2020, EN 55014-1:2021, EN 55014-2:2021, IEC/EN 61000-3-2 (incl. amendments), IEC/EN 61000-3-3 (incl. amendments), IEC/EN 61000-3-11:2019



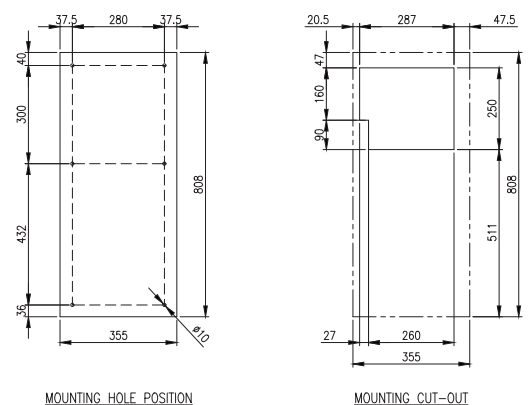
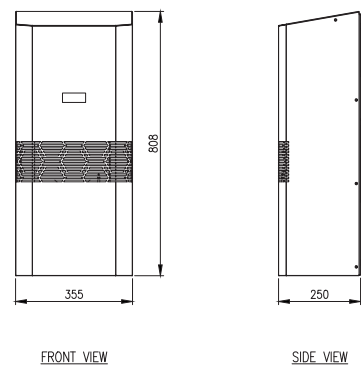
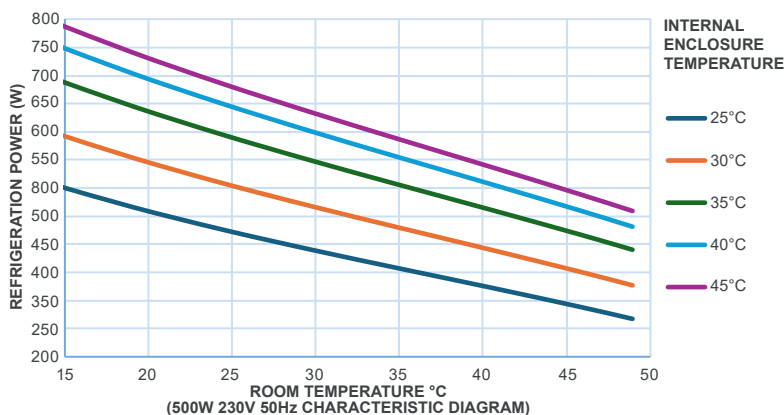
Casing: 2.0mm Grade 316L Stainless Steel; Scotch-brite. Slanted roof design. Corrosion-resistant.

Door: Built-in alarm; RS485 Interface (Standard).

Seal: FDA-approved blue silicone. Supplied as standard.

Condensation Evaporation System: Dust-proof condenser with anti-corrosion treatment for longevity and easy maintenance. Supplied as standard.

Lifting Kit: For safe and quick installation. Supplied as standard.



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Features	Unit	IP-ACHWM050
Power supply	V/Hz	230V 1N 50Hz
Dimensions HxWxD	mm	808x355x250
Power consumption	W	389
Nominal current	A	2.7
Cooling capacity	W	500
Thermal power released into the environment	W	889
Air flow (free suction)	m³/h	310
Room Temperature Range	°C	+15°C / 48°C
Operating Temperature Setting Range	°C	+25°C / 45°C
Protection degree EN60529 (ambient side)	-	IP34
Protection degree EN60529 (enclosure side)	-	IP66 NEMA 4x
Coolant (Refrigeration circuit with natural gas)	-	R290 - 90g (Ecological Refrigerant gas with GWP=3)
Casing / Steel type	-	316L Stainless Steel; Scotch-brite
Door	-	Built-in alarm; RS485 Interface (Standard)
Seal	-	FDA-approved blue silicone
Condensation evaporation system	-	Supplied as standard
Lifting kit	-	Supplied as standard
Net weight	Kg	30
Gross weight	Kg	34
Conformity / Certifications	-	

CERTIFICATES:

EN 60529 Degrees of protection provided by enclosures.

CE Certificate of Compliance: Machine Directive: 2006/42 CE, Electromagnetic Compatibility (EMC) Directive: 2014/30/EU, Tubes for Piping Systems: EN 12735-1:2020, Safety of Household and Similar Electrical Appliances: EN 60335-1:2012/A15:2021, EN 60335-2-40:2003/AC:2010, Electromagnetic Compatibility: CISPR 14-1:2020, CISPR 14-2:2020, EN 55014-1:2021, EN 55014-2:2021, EN 61000-3-2:2019+A1:2021+A2:2024, EN 61000-3-3:2013+A1:2019+A2:2021+AC:2022, EN 61000-3-11:2019. UKCA Certificate of Compliance.

IEC / IECEE CB Scheme Test Certificates of Compliance: Certificate No. DK-179677-UL. Report Reference No. 25-4791570959-1-1-0-EMC. Issued Date: 2025-10-08.

Products are manufactured to Quality, Safety and Environmental Standards.