

COOLING SYSTEM DATASHEET

SOETECK · WALL-MOUNT & CABINET COOLING

Soetec Wall-Mount Package Air Conditioner

Self-contained wall-mount DX cooling from 1.5 to 31.5 kW for shelters, outdoor cabinets and telecom sites

SKU SY-WA

Soetec



COOLING CAPACITY

up to 32 kW

MOUNT / COOLING TYPE

Wall / DX

INPUT POWER

208-240V or...

PRICE

On request**REQUEST A QUOTATION ONLINE**serverinvest.com/product/soetec-wall-mount-package-air-conditioning-cooling

01 Product overview

The Soetec wall-mount package air conditioner is a self-contained DX cooling unit that attaches to the outside wall of an equipment shelter, container or large enclosure. Because the compressor, condenser, evaporator and controls are all housed in one package, it needs no split piping and leaves the interior free for IT and telecom equipment.

Typical applications are telecom shelters and base stations, prefabricated and containerised modules, edge data centres and industrial equipment rooms where a compact, easily replaced cooling unit is preferred.

Key features

Capacity from 1.5 kW (SY-001WA) to 31.5 kW (SY-030WA), all with 100% sensible heat ratio for dry IT loads

Branded compressors chosen for reliability and efficiency

High-pressure, high-airflow centrifugal blower suited to dense equipment

Precision controller that continuously monitors and protects the unit and integrates with a BMS for display and control

Refrigerant with zero ozone-depletion potential; R134a version rated for ambient temperatures up to 55 °C

Optional inverter refrigerant pump; 50 Hz or 60 Hz configured at order

The packaged design simplifies shipping, installation and service. Capacity depends on outdoor conditions: the SY-012WA, for example, delivers 15.5 kW at 30 °C, 13.9 kW at 40 °C and 12.5 kW at 55 °C outdoor temperature (26 °C / 40% RH indoor).

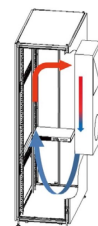
ServerInvest sizes, supplies and integrates wall-mount cooling with enclosures, racks, servers and power systems for edge and telecom projects; plan...

KEY SPECIFICATIONS

Input power	208-240V or 380-415V / 50-60Hz; 460V/60Hz option
Weight range	34 – 415 kg
Mount / cooling type	Wall / DX
SHR	100% (all models)
Options	Inverter refrigerant pump; R134a for up to 55 °C ambient; 50 or 60 Hz

HIGHLIGHTS

- Nine models from 1.5 kW to 31.5 kW total cooling, 100% SHR
- Packaged unit mounts on the cabinet or shelter wall, no IT space used
- High-pressure centrifugal blower for critical-equipment airflow
- Precision controller with BMS integration and unit protection
- R134a option for ambient temperatures up to 55 °C



02 Full specifications

OVERVIEW

Input power	208-240V or 380-415V / 50-60Hz; 460V/60Hz option
Weight range	34 – 415 kg
Mount / cooling type	Wall / DX

SY-WA SERIES TECHNICAL DATA

Total cooling	SY-001WA: 1.5 kW · SY-002WA: 2 kW · SY-005WA: 5.5 kW · SY-007WA: 7.5 kW · SY-012WA: 12.5 kW · SY-017WA: 17.5 kW · SY-020WA: 21.2 kW · SY-025WA: 25.1 kW · SY-030WA: 31.5 kW
SHR	100% (all models)
Air volume	SY-001WA: 380 m³/h · SY-002WA: 650 m³/h · SY-005WA: 1850 m³/h · SY-007WA: 2000 m³/h · SY-012WA: 2400 m³/h · SY-017WA: 3500 m³/h · SY-020WA: 4000 m³/h · SY-025WA: 5100 m³/h · SY-030WA: 6300 m³/h
Height	SY-001WA: 746 mm · SY-002WA: 746 mm · SY-005WA: 1920 mm · SY-007WA: 1920 mm · SY-012WA: 2100 mm · SY-017WA: 2100 mm · SY-020WA: 2100 mm · SY-025WA: 2100 mm · SY-030WA: 2100 mm
Depth	SY-001WA: 200 mm · SY-002WA: 200 mm · SY-005WA: 650 mm · SY-007WA: 650 mm · SY-012WA: 650 mm · SY-017WA: 650 mm · SY-020WA: 650 mm · SY-025WA: 650 mm · SY-030WA: 650 mm
Width	SY-001WA: 446 mm · SY-002WA: 446 mm · SY-005WA: 900 mm · SY-007WA: 900 mm · SY-012WA: 1000 mm · SY-017WA: 1000 mm · SY-020WA: 1000 mm · SY-025WA: 1350 mm · SY-030WA: 1350 mm
Weight	SY-001WA: 34 kg · SY-002WA: 35 kg · SY-005WA: 180 kg · SY-007WA: 230 kg · SY-012WA: 285 kg · SY-017WA: 320 kg · SY-020WA: 355 kg · SY-025WA: 395 kg · SY-030WA: 415 kg
Power input	SY-001WA to SY-007WA: 208-240V/50-60Hz/1-2Ph · SY-012WA to SY-030WA: 380-415V/50-60Hz/3Ph or 460V/60Hz/3Ph
FLA (208-240V)	SY-001WA: 2.9 A · SY-002WA: 3.9 A · SY-005WA: 16.5 A · SY-007WA: 20.1 A
FLA (380-415V)	SY-012WA: 15 A · SY-017WA: 18.4 A · SY-020WA: 20.8 A · SY-025WA: 26 A · SY-030WA: 30.9 A
FLA (460V)	SY-012WA: 12.4 A · SY-017WA: 15.2 A · SY-020WA: 17.2 A · SY-025WA: 25.8 A · SY-030WA: 26.8 A
SY-012WA capacity vs outdoor temp	15.5 kW at 30 °C · 13.9 kW at 40 °C · 12.5 kW at 55 °C (26 °C/40% RH indoor)
Options	Inverter refrigerant pump; R134a for up to 55 °C ambient; 50 or 60 Hz

03 Engineered, delivered & supported by ServerInvest

Engineering & sizing

Selected and sized against your real IT load, room and redundancy targets.

Installation

Delivery, installation and commissioning by our engineers across Europe.

Certified processes

ISO 9001, ISO 14001 and ISO 27001 certified project delivery.

Service & support

Maintenance, spare parts and support from a single partner.



Interested in this solution?

Request a quotation online or talk to a solutions engineer — we reply within one business day.
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