

COOLING SYSTEM DATASHEET

SOETECK · WALL-MOUNT & CABINET COOLING

Soetec Outdoor Telecom Cabinet Air Conditioner

IP55 cabinet air conditioners from 300 W to 5,000 W for outdoor telecom, battery and control enclosures

SKU SAD-2

Soetec



COOLING CAPACITY

up to 5 kWCOOLING CAPACITY
RANGE**300 W – 5,000...**

POWER SUPPLY OPTIONS

AC220V 50/60...

PRICE

On request**REQUEST A QUOTATION ONLINE**

serverinvest.com/product/soetec-outdoor-cabinet-air-conditioning-ac-...



01 Product overview

The Soetec SAD series is a closed-loop air conditioner for outdoor and industrial enclosures. It keeps the air inside a sealed cabinet cool and clean, separating sensitive electronics from dust, rain and humidity outside. Typical installations include telecom base-station cabinets, battery cabinets, electrical distribution enclosures, industrial control panels and small edge computing cabinets.

Twelve models cover cooling capacities from 300 W to 5,000 W, so the unit can be matched closely to the heat load of the installed equipment. The housing is rated IP55 and the units are designed to operate in ambient temperatures up to 55 °C, as well as in cold, wet and dusty conditions.

Installation and control

Door, side and top mounting options allow integration into new or existing cabinets with different layouts. A digital temperature controller measures the internal air temperature and modulates cooling output accordingly, keeping conditions stable without manual adjustment. Standard models run on 220 V single-phase, the 5 kW model on 380 V three-phase, and versions for AC110V 60 Hz and DC –48 V telecom power are available.

The compact construction keeps service access simple, and selected components and design choices aim at low noise and a high energy-efficiency ratio. The products comply with EU RoHS requirements. For remote sites where maintenance visits are costly, a correctly sized closed-loop air conditioner helps extend the life of batteries, rectifiers and network...

KEY SPECIFICATIONS

Cooling capacity range	300 W – 5,000 W
Input power range	220 W – 1,980 W
Weight range	16 kg – 100 kg
Protection rating	IP55
Max. ambient temperature	55 °C
Mounting	Door, side or top
Power supply options	AC220V 50/60 Hz, AC110V 60 Hz, DC –48 V
Control	Digital temperature controller
Compliance	EU RoHS

HIGHLIGHTS

- Twelve models from 300 W to 5,000 W cooling capacity
- IP55 protection, operation in ambient up to 55 °C
- Door, side or top mounting
- AC220V 50/60 Hz, AC110V 60 Hz and DC –48 V options
- Digital temperature controller, RoHS compliant
- Unit weights from 16 kg to 100 kg



02 Full specifications

GENERAL

Cooling capacity range 300 W – 5,000 W

Input power range	220 W – 1,980 W
Weight range	16 kg – 100 kg
Protection rating	IP55
Max. ambient temperature	55 °C
Mounting	Door, side or top
Power supply options	AC220V 50/60 Hz, AC110V 60 Hz, DC –48 V
Control	Digital temperature controller
Compliance	EU RoHS

SAD SERIES MODELS

Cooling capacity (W)	SAD103-2: 300 · SAD104-2: 400 · SAD106-2: 600 · SAD108-2: 800 · SAD110-2: 1000 · SAD112-2: 1200 · SAD115-2: 1500 · SAD120-2: 2000 · SAD125-2: 2500 · SAD130-2: 3000 · SAD135-2: 3500 · SAD150-2: 5000
Rated voltage (V/ph/Hz)	SAD103-2: 220/1/50 · SAD104-2: 220/1/50 · SAD106-2: 220/1/50 · SAD108-2: 220/1/50 · SAD110-2: 220/1/50 · SAD112-2: 220/1/50 · SAD115-2: 220/1/50 · SAD120-2: 220/1/50 · SAD125-2: 220/1/50 · SAD130-2: 220/1/50 · SAD135-2: 220/1/50 · SAD150-2: 380/3/50
Rated current (A)	SAD103-2: 1.25 · SAD104-2: 1.3 · SAD106-2: 1.63 · SAD108-2: 1.86 · SAD110-2: 1.93 · SAD112-2: 2.2 · SAD115-2: 2.75 · SAD120-2: 3.38 · SAD125-2: 4.09 · SAD130-2: 5.63 · SAD135-2: 6.18 · SAD150-2: 3.00
Input power (W)	SAD103-2: 220 · SAD104-2: 240 · SAD106-2: 360 · SAD108-2: 410 · SAD110-2: 426 · SAD112-2: 485 · SAD115-2: 605 · SAD120-2: 745 · SAD125-2: 900 · SAD130-2: 1240 · SAD135-2: 1360 · SAD150-2: 1980
Dimensions H×W×D (mm)	SAD103-2: 583×353×165 · SAD104-2: 583×353×165 · SAD106-2: 692×455×155 · SAD108-2: 692×455×155 · SAD110-2: 791×491×188 · SAD112-2: 791×491×188 · SAD115-2: 791×491×188 · SAD120-2: 1087×460×188 · SAD125-2: 1087×460×188 · SAD130-2: 1208×549×220 · SAD135-2: 1208×549×220 · SAD150-2: 1640×672×297
Weight (kg)	SAD103-2: 16 · SAD104-2: 16 · SAD106-2: 21 · SAD108-2: 21 · SAD110-2: 32 · SAD112-2: 32 · SAD115-2: 32 · SAD120-2: 42 · SAD125-2: 42 · SAD130-2: 60 · SAD135-2: 60 · SAD150-2: 100

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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