SA CYCLONE®

AIR CONDITIONER
SAAC11440



HIGH POWER COOLING FOR EXTREME ENVIRONMENTS

THE SA CYCLONE EX Air Conditioner is a truly ground-breaking product, proving highly effective cooling for hazardous areas in a mobile, compact unit. ATEX, IECEx and UKEX Certified for Zones 1 & 2 (gas) and Zones 21 & 22 (dust), the Air Conditioner is designed and built to withstand the harshest conditions.

The 'plug & play' design enables rapid deployment wherever effective cooling is required. Hosting optimised refrigeration design and our most advanced solid state electronic control system, our 440V Air Conditioner allows you to meet climate requirements effectively and maintain optimum working conditions in ambient temperatures as high as 50°C.





BENEFITS

- **EX certified for Zones 1 & 2 (gas) and 21 & 22 (dust)**
- **11kW Output at 400V**
- **Will operate in temperatures up to 50°C**
- **IP65 Rated**
- **Typical cooled area 240m³**
- **Cooled airflow of 690m³/hour**
- **Advanced solid state electronic control system**
- **Marine grade materials**
- **Optimised refrigeration design**
- **Can be used in multiple configurations**

CORE PRODUCT INFORMATION

SA CYCLONE EX Air Conditioner Tropical/Dry Climate (Ambient Temp >35°C) 11kW 400-440V (+/-10%)
3Ph 50/60 Hz c/w 4p 32A CEAG Plug and 20m of braided cable
SAAC11440/HT30/10HR/CEA32/4P



SA CYCLONE EX Air Conditioner Temperate Climate (Ambient Temp <35°C) 11kW 400-440V (+/-10%)
3Ph 50/60 Hz c/w 4p 32A CEAG Plug and 20m of braided cable
SAAC11440/LT30/10HR/CEA32/4P



CEAG 5P & STAHL 5P plugs and different cable lengths also available – please contact SA Equip for more details.

SPECIFICATIONS

CERTIFICATION
Ⓔx II 2 G D
Ex db eb ib mb pb IIB T4 Gb
Ex db ib mb tb pb IIIC T135°C Db

OPERATING TEMPERATURE
-20°C to +50°C

INGRESS PROTECTION
IP65

PROTECTION
Refrigerant overpressure protection
Refrigerant leak protection Coil frost protection
Tipping protection
Vibration protection
Motor overcurrent protection
Phase rotation protection

DIMENSIONS
800mm(l) x700mm(w) x 1290mm(h) – not including duct adapters

WEIGHT
200kg exc. cable

CURRENT DRAW @ 440VAC
Start Up: 22A Run: 15A

FREE AIRFLOW (COLD)
690m³/h (406cfm) @50Hz

DUCTING SIZE
20cm, 30cm, or 40cm

3 PHASE SUPPLY
3Ph+E or3Ph+N+E

TYPICAL TEMPERATURE DROP
Approx. 10-20°C below ambient

NOISE LEVEL @ 1M
83dBa

CABLE LENGTH
20m (or as required)

AIR