

**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)
- Fully EX tested and certified as complete system
- 11kW Output at 400V
- Will operate in temperatures up to 50°C
- IP65 Rated
- Typical cooled area 240m<sup>3</sup>
- Cooled airflow of 690m<sup>3</sup>/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 10m 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 10m 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

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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

#### COOLING POWER

11KW

#### 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)

690m<sup>3</sup>/h (406cfm) @50Hz

#### DUCTING SIZE

20cm, 30cm, or 40cm

#### 3 PHASE SUPPLY

3Ph+E or 3Ph+N+E

#### TYPICAL TEMPERATURE DROP

Approx. 10-20°C below ambient

#### NOISE LEVEL @ 1M

83dBa

#### CABLE LENGTH

10m (or as required)

#### PATENT PROTECTED



AIR