



AIR COMPRESSOR PSA314CMD



FEATURES:

- *Working pressure 8 bars*
- *Air flow 19,2 m³/min (678 cfm)*
- *Chalwyn valve, sparks arrestors and emergency Shut off*
- *Fitted in certified offshore skid with welding plates, dim 3.95 m x 1.83 m x h 2.33 m,
GW 4 000 Kg*

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PSA314CMD
Stationary Air Compressor



1 Standards & Conditions

Design Standards

The designs and the productions are in conformity with:

- JB/T6430-2002
- JB/T3771-1992
- JB/T4223-2007
- GB/T15487
- ISO 1217
- ISO 2151
- ASME B 19.1-1990

Environmental Operating Conditions

- Installation place: Outdoors or indoors (well ventilated).
- Ambient temperature: -25°C to 45°C. The coolant heater is needed when the temperature is below 5°C
- Humidity: Less than 80%.
- Altitude: Below one thousand (1000) meters.

Factory Inspection

- Inspection items.
- Protection devices working test.
- Starting ability in normal temperature.
- 2 hours performance test of continuous full load.
- Performance test, including flux, pressure, temperature, noise, thermal balance etc.

Painting Process

- Painting process specifications and colors are based on the manufacturer's standard.
- The customer could also choose the color which the manufacturer offers.

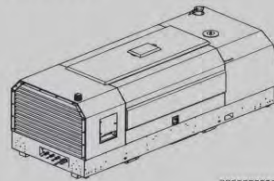
2 General Features

- CUMMINS diesel engine
- Oil-injection double-screw air compressor
- PLC controller with microprocessor technique
- Suction valve
- Solenoid valve
- Pressure regular valve
- Safety valve
- Minimum pressure valve
- Vent valve
- Shuttle valve

- Oil thermostatic valve
- 50°C radiator
- Lubricating oil radiator
- Air filter
- Lubricating oil filter
- Vertical air/oil tank with ASME approval
- Air/oil separator
- Emergency stop button
- Lockable battery isolator switch
- Sealed for life maintenance free battery
- Fuel tank for 10 hours running
- Powder coated canopy

3 Equipment Specification

Air Compressor



3009020033-APH-A1

| | |
|---|-------------------------|
| Model..... | PSA314CMD |
| Drive type | Diesel engine driven |
| Speed under full load..... | 2200rpm |
| Rated flux | 19.2m ³ /min |
| Rated discharge pressure | 8.0bar |
| Discharge port | 2xG3/4" + 1xG1" |
| Total capacity of compressor oil system | 50L |
| Lubricating oil type..... | Synthetic oil |
| Total capacity of coolant system..... | 24.5L |
| Fuel tank capacity..... | 380L |
| Noise level @7m | N/A |
| Dry weight..... | 2900kg |
| Dimensions L×V×H..... | 3697x1408x1846mm |

Note: all pressures in the manual are relative values (compared with atmospheric pressure)