

Datasheet

1000 C SZ Containerised Safezone Air Compressor

The 1000cfm Safezone air compressors are ideal for use in safe areas. All units are containerised resulting in easy transportation, on-site stacking and easy access for operation and servicing.

Features:

- Containerised (DNV 2.7-1) Compressors
- Heavy duty, fully bundled DNV2.7-1 offshore container
- Designed for stacking in use - ISO Blocks for locked-on safety
- Internal personnel access way between units when stacked
- Rugged, reliable mechanical marine engine and high ambient cooler
- All-pneumatic starting and shutdown systems
- Compact footprint - transport three in a 40ft shipping container
- High capacity on-board fuel tanks

Options:

- Remote shutdown and refuelling from deck level
- Air treatment - aftercooling, filtration and drying
- Exhaust extensions for multiple installations
- Experienced offshore service technician(s) for operational and maintenance assistance



Technical Specifications

1000 C SZ Containerised Safezone Air Compressor

Performance

Flow	1000 cfm 472 litres / second
Working Pressure	150 PSIG /10.34 barg
Fuel Tank	695 litres
Fuel Consumption	65 litres/hr
Full Load Running	10 hours
Ambient Operating Temperatures	-10°C / 45°C
Noise at full load	97dba - 1 metre
Vibration at full load	0.87 mm/s
Start system	Pneumatic
Safety system	Pneumatic

Lifting Specification, Weights & Dimensions

Lifting Spec	DNV 2.7-1
Length	3990 mm
Width	2250 mm
Height	2210 mm
Weight (kg dry)	8,000kgs
Weight (kg op)	10,000kgs
Max Gross weight	10,000kgs
Shipping Weight	8,000kgs

Safety Features

External Emergency Stop	2 x Push Button
Internal Emergency Stop	1 x Push Button
Internal Lighting	110 Volt Lighting with Battery backup
Exhaust Manifold	Water Cooled
Exhaust Turbocharger	Water Cooled
ISO Interlockers	Positive Lock When Stacked
Rig ESD Connection	Electro/pneumatic
Scramble Net	Escape System when Stacked

Engine Specification

Engine model	Caterpillar 3306 DITA
Power Output at Flywheel	320hp / 230Kw
Engine idle speed	1200 / 1500rpm
Maximum engine speed	2100rpm
Engine oil capacity	28 litres
Engine oil specification (minimum)	15w40 Mineral
Engine coolant capacity	100 litres
Fuel consumption at full load	65 litres per hour
Fuel specification	Gas Oil (BS2869 Class A2&D)
Maximum thermal input	659Kw
Rated thermal efficiency	0.35
Exhaust temperature	390°C at stack
Cooling pack outlet temperature	38°C @ambient of 3°C

Compressor Performance

Model	Ingersoll Rand 226mm
Type	Oil Flooded Screw
Output	1000cfm/472ltr/sec
Maximum operating pressure	150psi
Lubrication oil capacity	85 litres
Lubrication oil specification	Mineral - Dexron II Automatic Transmission Fluid

Operating Systems

Start system air supply	115psi - 150psi
Start air supply	680cfm (maximum)
Safety system shutdowns	Pneumatic
Compressor discharge	2x2" & 2x3/4" ball valves
Air Connection	1 x 3/4" Crowsfoot
ESD Solenoid - 110V	16 amp supply
Internal Lighting - 110V	16 amp supply

For more information on Air Compressors please contact your local RentAir Offshore representative or email offshore@rentairoffshore.com

Note: The above referred specifications are our minimum standard and for guidance purposes only. For compressor specific information applicable to comply with region specific standards please consult your local RentAir Offshore representative.

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