

# 1000 C ZII Containerised Zone II Air Compressor



## Description

As a rental option, the Centurion Power & Equipment Zone II Containerised Compressors are ideal for operations such as well testing and oilfield applications in hazardous areas. These units were designed for easier operation whilst minimising deck space requirements, maximising production and increasing safety offshore. When offshore, the units can be safely double-stacked and secured with ISO twist locks creating economy of deck space while maximising the capacity.

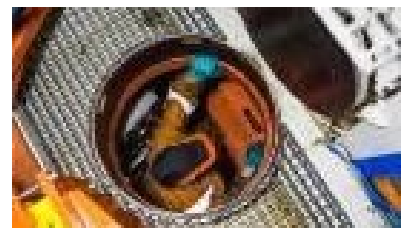
Our containerised Zone II product range complies with Zone II hazardous area flameproof specification, are fully ATEX approved and certified to DNV 2.7-1 lifting specification. They were uniquely designed to provide operating personnel with the ability to access and operate upper level units when stacked from within the unit through internal access hatches. This fully internal design provides enhanced protection and safety for operating personnel, whilst eliminating requirements for scaffolding, which further reduces the encroachment on deck space.

## Key Features

- Rugged, reliable marine engine with high ambient cooler design
- Heavy duty, fully bunded, DNV 2.7-1 offshore container
- Designed for Zone II hazardous area operation - BP200, OCMA Mec1, EEMUA 107
- Designed for offshore stacking
- Internal personnel access way between units when stacked
- Exhaust gas cooling, inlet shut down and flame trap
- All pneumatic starting, control and tell-tale fault indication
- Compact design - transport three framed in a 40ft shipping container
- Emergency shut down and refueling from deck level

## Options

- Aftercooler, filtration, and drying
- Extra high ambient cooling package
- Dummy flame traps
- 'Yellow alert' shut down connection - 24V and 110V (others)
- Experienced offshore service technician(s) for operational and maintenance assistance



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## Technical Specifications

Performance	
Flow	1,000 cfm, 28.2 m <sup>3</sup> /min
Working Pressure	150 PSIG, 10 bar
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	111dba
Vibration at Full Load	0.87 mm/s
Start System	Pneumatic
Safety System	Electro/Pneumatic
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	200litres
Fuel Specification	Gas Oil (BS2869 Class A2&D)
Exhaust Temperature	<194°C

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### Lifting Specification, Weights & Dimensions

Lifting Spec	DNV 2.7-1
Length	3990 mm
Width	2250 mm
Height	2210 mm
Weight (kg dry)	8,200 kgs
Weight (kg op)	8,500 kgs
Max Gross Weight	10,000 kgs
Shipping Weight	8,500 kgs

### Compressor Performance

Model	MI90
Type	Oil Flooded Screw
Output	1,000cfm
Maximum Operating Pressure	150psi
Lubrication Oil Capacity	85litres
Lubrication Oil Specification	HVI 46

### Operating System

Start System Air Supply	115 psi – 150 psi
Start Air Supply	680 cfm (maximum)
Safety System Shutdowns	Pneumatic
Compressor Discharge	2 x 2" & 2 x ¾" Ball Valves
Air Start Connection	1 x ¾" Crowsfoot
ISO Interlockers	Positive Lock
Stacked Access	Internal System

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### Safety Features

External Emergency Stop	2 x Push Button
Internal Emergency Stop	1 x Push Button
Internal Lighting	110 volt with emergency battery back up
Exhaust Manifold	Water Cooled
Exhaust Turbocharger	Water Cooled
Rig ESD Connection	Electro / Pneumatic
Scramble Net	Stacked Escape System

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 Centurion Power & Equipment representative.

For more information on Air Compressors, please contact your local Centurion Power & Equipment representative or email us at [CPEUK@centuriongroup.co.uk](mailto:CPEUK@centuriongroup.co.uk).



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