

1,000CFM Zone II Compressor



Technical Specifications

Performance

Flow	± 1,000CFM / 28.2 m ³ / min
Pressure	150 psi / 10 bar
Fuel Consumption	67 Litres per hour at 100% Load
Ambient Capability	-10°C to +45°C
Noise Level	83dBA at 1m at operator position

Compliance

CE Marked & ATEX 94/9/EC
 Group II Category 3G IIA T3 Hazardous Operation
 Compliant to DNV 2.7-1
 Emissions Level: Tier 3 / Stage 3a

Doosan Model HP1000 Zone II Diesel Driven Air Compressor

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Dimensions

Overall Length	6,100 mm
Overall Width	2,450 mm
Overall Height	2,600 mm
Weight	12,000 Kgs

Compressor and Power Train

- Cummins QSM11 engine, EN 1834-1:2000 Compliant. Delivering 350Kw at 1800 rpm, complete with manifold and exhaust cooling for Zone II operation
- Engine over speed valve device, with engine fuel cut-off control
- ATEX Compliant Spark arrestor silencer in stainless steel material
- Anti-static fan and drive coupling and belts
- Air Start, with certified storage tank
- Combined CE / ASME / Australia certified pressure vessel and safety valves
- Air delivery manifold – 2 x 2" WECO Fig. 100 & 2 x ¾" ball valve – Yankee Crowfoot / McDonald options available
- Integral Discharge Air Aftercooler and water separator with auto-drains to front corner

Enclosure

- DNV 2.7-1 Compliant Container prepared for ISO
- Twistlock Stackable operation, including 110% bunding with drain plug & fork slots
- Combined operator station, maintenance access and upper machine access [for stacked units]
- Stainless steel 11 hour capacity fuel tank (780 litres) @ 100% load, with external fill point
- Racor twin fuel filter system
- Horizontal intake and waste air-flows with off-shore coated coolers & radiators
- Internal lighting with emergency battery back-up

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Controls

- Pyroban 3GP Lite system, providing gas detection & engine overspeed, shutdown signals. Eliminates the requirement of fitted flametraps to the exhaust system during operation
- Murphy electronic monitor presenting engine rpm, engine oil pressure, engine water temp, engine power used (%), system voltage
- Control panel displaying Compressed Air Pressure gauge
- Pneumatic shutdown indicators [vibration, engine & air-end coolant temperatures, low engine coolant level, low engine oil pressure, high engine exhaust temp]
- 'Yellow Alert' solenoid shutdown with remote connection
- Low fuel warning with external signalling
- Fire detection, pressurised tube system, connected into Emergency Stop Device



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 Compressors, please contact your local Centurion Power & Equipment representative or email us at CPEUK@centuriongroup.co.uk.

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