



HP1000 Zone II | Offshore Portable Air Compressor



Portable Power

Performance with safety

Doosan Portable Power HP1000 Zone II meets ATEX compliance standards for safe operation in sensitive locations off-shore. The container is designed to the latest DNV 2.7-2 standard meeting the most stringent North Sea requirements and is fitted with lifting slings fork slots and ISO style corners.

Power is supplied by Cummins, renowned QSM11 Tier 3, driving the reliable compressor unit. Protection is provided by Pyroban 3GP Lite gas detection at the inlet for active control, linked with inlet flame traps and exhaust cooling (no exhaust flame trap needed) & spark arrestor. Traditional pneumatic tell-tales are installed to a comprehensive control panel including engine read-out and operators controls.

Model	HP1000 Zone II
COMPRESSOR	
Free-Air Delivery – cfm (m ³ /min)	1000
Rated Operating Pressure – psi (bar)	150
Ambient capability	-10 to 45 C (15 - 113 F)
Aftercooler CTD - degC	10
Noise level	86dBA @ 1m
ENGINE	
Make	Cummins
Model	QSM11
Emissions Tier level	Tier 3
# of Cylinders	6
Full load speed – rpm	1800
Power kw (hp)	350 (470)
Fuel Capacity - litres	760
DIMENSIONS	
Length – mm (feet)	5330 (17.5)
Width – mm (feet)	2400 (8)
Height – mm (feet)	2600 (8.5)
Weight (working) - kg	11750
Weight (shipping) - kg	11100

Enclosure

- Small foot print container prepared for ISO twist-locks.
- Stackable DNV 2.7-1 compliant shipping container, including 110% bund with drain plug & fork slots
- Compliant to DNV 2.7-2 unmanned service module structure & safety requirements; sea water side loading, Infrared fire detection and warning.
- Horizontal intake and waste air flows with off-shore coated coolers and radiators – anti static treated.
- Combined operator station, maintenance access and upper machine access [for stacked units].
- Stainless steel 8 hour fuel tank.
- External fill point, fuel level gauge and remote supply connection all located within the operator station.
- Air delivery manifold – 2 x 2” & 2 x 3/4” ball valves
- Internal 110v lighting with emergency battery back-up

Performance features

CE Marked – ATEX 93/9/CE compliant
 Group II category 3G IIA T3 200°C [Max 45°C Ambient]
 DNV 2.7-1 Standard 8x8x 17.5 container
 DNV 2.7-2 Unmanned Service module
 Combined ASME/ CE / Aust separator tank
 Air Start with certified storage tank
 Dual-circuit cooling system – anti-static fan & belts
 Engine overspeed & fuel shutdown
 Shielded ATEX alternator
 Stainless ATEX spark arrestor

Fork liftable, fast removal, heavy duty internal chassis carries complete power train & controls for maintenance operation out of the container
 8 hour stainless steel fuel tank
 Internal 110v & emergency lighting
 Air delivery 2 x 2” & 2 x 3/4” taps
 Yellow Alert
 Platform hook-up 110v & 24v ESD
 Dedicated operator location for safety and comfort
 Stackable for two tier operation, with internal ladders

Option – Aftercooler with water trap to 10°C CTD



Air compressors from Doosan Infracore Portable Power are not designed, intended or approved for breathing air. Compressed air should not be used for breathing air applications under any circumstances.



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