DOOSAN

Oil-Free T3 | Portable Compressor

Portable Power

High performance, easy operation and outstanding control

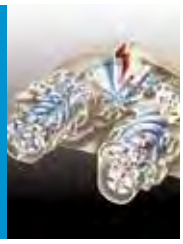
For more than 125 years, Doosan Portable Power has been the world leader in compressor technology. That tradition of leadership continues with our NHP1500 model oil-free compressor, built specifically for applications where quality air is a must, including petrochemical and nuclear facilities. Carefully designed to meet your specific demands, the NHP1500 provides the power, fuel efficiency and easy-to-operate features you need while meeting current emissions regulations. This high performance compressor will help you get the most out of your long-term rental dollar.

Superior features add up to superior performance

Reliable and durable design

To protect against impurities, the NHP1500 offers stainless steel interconnecting piping and a corrosion resistant intercooler and aftercooler. The NHP1500 can also run at full load for at least 10 hours with the onboard fuel supply, which can easily be connected to an auxiliary fuel tank.

Maximum airend efficiency



Extensively field-proven in industrial applications, our two-stage, oil-free airend is the heart of the machine. Each set of rotors is precision-machined in a 20-step manufacturing process and has an UltraCoat™ finish that not only optimizes the rotor profile but resists corrosion. This is essential to minimizing air slippage and maintaining airend efficiency.

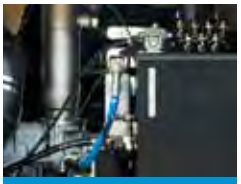
Power in any climate

The NHP1500 has excellent ambient capabilities, performing in hot climates as well as in temperatures as low as -20 degrees F. The cold-weather protection system gives you the improved response time needed before the machine comes up to temperature and can begin working.

Intelligent control

Our Intellisys® control system is a comprehensive operational, diagnostic and safety interface. Known for its user-friendly features, this system is built into the NHP1500 and carefully structured to provide as much or as little information as necessary. It also allows compressor operating parameters to be fine-tuned quickly and easily.

Easy to maintain



The fluid systems on this compressor are conveniently located and make it easy to maintain fluid levels. Central drain systems are standard for easy servicing.

Continuous air delivery in an environmentally friendly compressor

Continuous air delivery

With an operating pressure of 150 psi, our NHP1500 oil-free compressor provides exceptional application flexibility. It's capable of continuous 1,500 cfm (42.5 m3/min) free air delivery between 60 and 150 psi (4.1 and 10.3 bar), and works well in applications where constant volume is as important as correct pressure. Designed for optimal efficiency, the NHP1500 also eliminates the need to reduce flow as pressure requirements increase.

Environmental awareness

The NHP1500 features a sealed base designed to hold fluid spills, thus preventing potential on-site contamination. In addition, water precipitated from the air stream by the intercooler and aftercooler is collected and routed through our patented condensate burn-off system. This is a significant benefit if you're operating in humid conditions where condensate disposal can exceed one ton per day — as well as in cold conditions where condensate can freeze in temporary drainage systems.

Model	NHP1500WCU
ENGINE	
Make/Model	Cummins/QSX-15
Emissions Tier Level	Tier 3
Number of Cylinders	6
Cylinder Bore – in (mm)	5.4 (137)
Cylinder Stroke – in (mm)	6.7 (170)
Displacement – cu in (L)	915 (15)
Rated/Idle Speed – rpm	1800/1200
Bhp @ Rated Speed (kW)	600 (448)
Fueling/Cooling	Diesel/Water
Electrical Volts/CCA	24/1400
Engine Oil Capacity – gal (L)	96 (90.8)
Radiator Coolant Capacity – gal (L)	25.5 (96.5)
Fuel Consumption @ 100% Load – gph (L/h)	25.8 (80.6)
Fuel Tank Capacity – gal (L)	300 (1136)
Operating Time @ Full Load – hr	11.6
ROTARY SCREW COMPRESSOR	
Number of Compression Stages	2
Free Air Delivery – cfm (m3/min)	1500 (42.5)
Rated Operating Pressure – psig (bar)	150 (10.3)
Pressure Range – psig (bar)	60 – 150 (4.1 – 10.3)
Air Discharge Outlet Quantity/Size – in (mm)	1/3 (76.2)
Lube Oil Capacity – gal (L)	20 (76)
DIMENSIONS WITH WAGON STEER RUNNING GEAR	
Length With/Without Drawbar – in (mm)	287 (7290)/237 (6020)
Height – in (mm)	98.3 (2497)
Width – in (mm)	77.5 (1969)
Shipping Weight – lb (kg)	19600 (8889)
DIMENSIONS WITHOUT RUNNING GEAR	
Length – in (mm)	237 (6020)
Width – in (mm)	89.8 (2281)
Height – in (mm)	91.3 (2319)
Shipping Weight – lb (kg)	19000 (8617)

Our NHP1500 oil-free compressor has a number of options designed for maximum versatility.

Auto start

Includes a voltage relay switch connection to allow operators to run the machine at a distance, as well as a pressure detection system that automatically starts the machine if the system pressure drops below a certain level.

Marine-grade battery charger

NEMA 4-rated charger is fully enclosed and sealed to protect the charger and ensure full battery power. This marine-grade charger is built to last the life of the compressor, even after multiple steam cleanings.

Oil replenishment system

Maintains sufficient lubrication for the engine and reduces maintenance costs by allowing up to 500 hours of full-load operation between service intervals.

1 Condensate burn-off system

Our patented system collects water from the intercooler and aftercooler and injects it into engine exhaust for flash evaporation. It also eliminates the need for conventional condensate drainage systems with cold weather provisions.

2 Intellisys® control system

Intellisys performs accurate matching of machine output to system requirements, thus increasing engine efficiency.

3 Lifting eyes, forklift slots, running gear

These features provide easy installation and increased maneuverability.

4 600-hp Cummins QSX-15 engine

This powerful engine meets current and future emissions requirements.

5 Visual and audible warning system

The advanced warning system for machine startup increases safety for the operator and others in the vicinity.

6 110% fluid containment system

This system offers double-wall protection and keeps fluids from creating environmental hazards.

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