



SULLAIR OFD1550

Portable Oil Free Rotary Screw Air Compressor

1550 cfm at 125 psi — 43.89 m³/min at 8.6 bar



OIL FREE — WHERE YOU NEED IT TO BE

More air compressor applications than ever require oil free air. Sensitive plant operations require a reliable source of oil free backup air. The Sullair OFD1550 air compressor is built for long-lasting performance and brings Class 0 Oil Free Air directly where it is needed — plantside, refineryside — and jobsite!

Oil Free Air in a Portable Package

The OFD1550 portable air compressor provides Class 0 Oil Free Air in a package designed for both short-term and longer-term usage. Featuring the legendary Sullair Dry Screw Two-Stage Air End driven by your choice of powerful Caterpillar C15 or Perkins 2506D-E15TA Tier 3 diesel engines, the OFD1550 provides versatile operation — even in environmentally sensitive applications.

The Sullair OFD1550 allows you to put oil free air right where it is needed. Easily able to navigate a job site — the compact design makes it easy to store and transport — at your lot or at offsite customers. Plus it includes features that matter such as the state-of-the-art 7" color Sullair Touch Screen Controller, the ability to operate in temperatures ranging from 20°F to 125°F (-7°C to 52°C); high-altitude capability (up to 12,000 ft above sea level) as well as the latest technology in low-emission diesel engine packages.



KEY FEATURES

7" Sullair Touch Screen Controller (STS)

- Provides easy access to all compressor operation data and pressure adjustment

Multiple Lockable Service Doors

- Provides easy access to all service components

Durable Sullair Two-Stage Air End with high efficiency rotors

- PTFE coated to resist corrosion and help extend air end life

110% Fluid Containment Frame

- Meets standards for operation in environmentally sensitive areas

Pivoting drawbar

- Helps optimize space once unit is placed

Easy-Operation External Fuel Valve

- Extends runtime beyond ten plus hours onboard fuel capability

Site-towable running gear with steerable front axle

- For quick and easy transport onsite

Solar Battery Charger

- For reliable startup anywhere, anytime
- Helps ensure battery is charged and ready for startup when unit is stored outside

FEATURES AND BENEFITS

Proven and Durable Package

- Legendary Sullair Dry Screw Two-Stage Air End featuring:
 - High efficiency asymmetrical profile rotors
 - Coated with FDA-approved food-grade PTFE to resist corrosion
 - Timing gear controlled rotor clearances for extended rotor life
 - High-precision bearings with consistent lubrication for improved machine life
- 110% fluid containment frame
- Galvannealed steel enclosure
- Multiple lockable service doors provide easy access to virtually all service items

Powerful Caterpillar C15 Tier 3 Diesel Engine

- Also Available: Perkins 2506D-E15TA Tier 3 Engine

1550 cfm at 125 psi with adjustable pressure from 75 to 150 psi

Compact Design

- Site-towable with steerable front axle
 - Foam filled tires cover even rough terrain and never go flat
- Forklift pockets standard for ease of transport
- Lift bail provides fixed point for overhead lifting
- Pivoting drawbar allows two-machine loadability on standard flatbed semi trailer

Optimum Performance

- Innovative package design for excellent air flow
- Engineered to provide maximum cooling efficiency
- Patent-pending hydraulically actuated inlet valve specifically designed to operate even in extreme temperatures

Ready for Jobsite and Extended Duty Uses

- 250-gallon onboard fuel system provides 10-hours plus runtime
- Easy-operation valve to connect an external fuel source for extended duty runtime
- Two-step gear box for optimized pressure ratios and optimal fuel efficiency

7" Color Sullair Touch Screen Controller

- In-depth compressor and engine performance information on demand
- Rugged touch screen works even when wearing gloves
- User access passcode
- Engine jog feature for extended storage periods

AirLinx® — a Telematics Solution Providing:

- GPS to keep track of your units via Internet-connected devices
- Fleet management
- Remote monitoring and troubleshooting capabilities

Options & Extras

- Refinery Package
 - Including spark arrestor, anti-static belts, non-metallic fan and engine air shut off valve
- Cold Weather Package down to -20°F /-29°C
 - Including battery heater, block heater, compressor sump heater, water trap heater, condensate trace heater and ether
 - Voltage options available:
 - 120V International IEC6309 connections
 - 240V International IEC6309 connections
- Aftercooler shutter with adjustable discharge air temperature

The Sullair OFD1550 features the legendary Sullair Air End — optimized to produce Class 0 oil free air.



TECHNICAL SPECIFICATIONS

FOR MORE INFORMATION, CONTACT YOUR
LOCAL AUTHORIZED SULLAIR DISTRIBUTOR.

PERFORMANCE	
	OFD1550
Actual Delivery <i>cfm (m³/min)</i>	1550 (43.89)
Rated Pressure <i>psig (bar)</i>	125 (8.6)
Pressure Range, max/min <i>psig (bar)</i>	150 / 75 (10.3 / 5.2)
Service Valves, main/auxiliary	1 (3" NPT) / 1 (3/4" NPT)
Operating Ambient Temperature, max/min <i>°F (°C)</i>	125 / 20 (52 / -7)
Maximum Operating Altitude <i>ft (m)</i>	12,000 (3657)
Fuel Consumption Full Load at 125 psi <i>gph (l/h)</i>	24.3 (92)
Comp. Discharge Shutdown Temperature <i>°F (°C)</i>	450 (232)
Maximum Operating Tilt	15°
Sound Level @7 meters <i>dba</i>	83.7

ENGINE	
Make (<i>Emissions Level</i>)	Caterpillar C15 (T3) Perkins 2506D-E15TA (T3)
Displacement <i>in³/l</i>	927 (15.2)
Cylinders	6
Bore × Stroke <i>in (mm)</i>	5.4 x 6.75 (137 x 171.4)
Rated Speed <i>rpm</i>	2100
Rated Power <i>bhp (kW)</i>	540 (397)
Electrical System <i>voltage</i>	24VDC
Battery Rating <i>CCA</i>	1450
Alternator Rating <i>amp</i>	110
Radiator Capacity <i>gal (l)</i>	30 (113.6)
Engine Water Shutdown Temperature <i>°F (°C)</i>	219 (104)
Fuel Tank Capacity <i>gal (l)</i>	250 (946)

DWQ PACKAGE	
Working weight <i>lbs (kg)</i>	21,640 (9816)
Dry weight <i>lbs (kg)</i>	18,825 (8539)
Length <i>in (mm)</i>	251 (6375)
Width <i>in (mm)</i>	88 (2235)
Height <i>in (mm)</i>	101 (2565)
Track width <i>in (mm)</i>	80 (2032)
Maximum Towing Speed <i>mph (km/h)</i>	15 (24)
Tire size	21x8-9
Tire type	Foam Filled
Rim Size	9.00 E-9

WARRANTY	
Five-year or 10,000-hour air end warranty with Sullair Service Agreement	
Two-year or 3000-hour engine warranty	