



SULLAIR OFD1550

Portable Oil Free Rotary Screw Air Compressor
Tier 4 Final Emissions Compliant

1550 cfm at 125 psi — 49.3 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 Tier 4 Final air compressor is built for long-lasting performance and brings Class 0 Oil Free Air directly where it is needed — plantside, refinerieside — and jobsite!

Oil Free Air in a Portable Package

The OFD1550 Tier 4 Final 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 a powerful Cummins QSX15 diesel engine, 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 115°F; 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

Onboard heaters

- For cold weather starting and operation

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 Cummins 15L Diesel Engine

- Meets EPA Tier 4 Final emissions standards
- Xtra-High Pressure Injection (XPI) Fuel System helps increase fuel economy and performance while decreasing exhaust emissions

1550 cfm at 125 psi with adjustable pressure from 70 to 130 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

Safety Features

- Air shut-off for overspeed protection
- Spark Arrestor (DPF) for fire safety

Extras included in Standard Configuration

- Refinery Package
 - Including 110% fluid containment, anti-static belt, non-metallic fan, engine air shut-off valve
- Cold Weather Package to -20°F / -29°C
 - Includes heavy-duty AGM batteries, 0W40 engine oil, battery heaters, sump oil heater, ether-assisted start, automatic electro-mechanically controlled louvers

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 (8.62)
Service Valves, main/auxiliary	1 (3" NPT) / 1 (1" NPT)
Operating Ambient Temperature, max/min <i>°F (°C)</i>	115 (46) / -20 (-29)
Maximum Operating Altitude <i>ft (m)</i>	12,000 (3657)
Fuel Consumption Full Load at 125 psi <i>gal/h (l/h)</i>	24.6 (93.2)
Comp. Discharge Shutdown Temperature <i>°F (°C)</i>	450 (232)
Maximum Operating Tilt	15°
Sound Level (U.S. EPA)* <i>dba</i>	76
ENGINE	
Make (<i>Emissions Level</i>)	Cummins QSX15 Diesel (T4F)
Displacement <i>in³/l</i>	912 (14.9)
Cylinders	6
Bore × Stroke <i>in (mm)</i>	5.4 x 6.7 (137 x 169)
Operating Speed <i>rpm</i>	1840
Minimum Idle Speed <i>rpm</i>	1400
Available Power <i>bhp (kW)</i>	550 (410)
Electrical System <i>voltage</i>	24VDC
Battery Rating <i>CCA</i>	1450
Alternator Rating <i>amp</i>	110
Radiator Capacity <i>gal (l)</i>	29 (110)
Engine Water Shutdown Temperature <i>°F (°C)</i>	231 (110)
Fuel Tank Capacity <i>gal (l)</i>	250 (946)
DEF Capacity <i>gal (l)</i>	15 (57)
DWQ PACKAGE	
Working weight <i>lbs (kg)</i>	21,000 (9525)
Dry weight <i>lbs (kg)</i>	18,000 (8165)
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	

* Sound level measured per U.S. CFR Ch. 1 Part 204.