



# SULLAIR OFD1550

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

*1550 cfm at 125 psi — 43.89 m<sup>3</sup>/min at 8.62 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	
	<b>OFD1550</b>
Actual Delivery <i>cfm (m<sup>3</sup>/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>gph (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>in<sup>3</sup>/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.