



SULLAIR®

SULLAIR OFD1550

Portable Oil Free Rotary Screw Air Compressor
Tier 3 Emissions Compliant

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



OIL FREE

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 Oil Free 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 -7°C to 52°C (20°F to 125°F); high-altitude capability (up to 3657 m 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 Oil Free 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

43.59 m³/min at 8.6 bar (1550 cfm at 125 psi) with adjustable pressure from 5.2 to 10.3 bar (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

- 946-liter onboard fuel system provides 10-hours plus runtime
- Easy-operation valve to connect an external fuel source for extended duty runtime
- Two-step gearbox 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 -29°C / -20°F
 - 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 meet Class 0 oil free air requirements.



TECHNICAL SPECIFICATIONS

FOR MORE INFORMATION, CONTACT YOUR LOCAL AUTHORIZED SULLAIR DISTRIBUTOR.

PERFORMANCE	
Actual Delivery <i>m³/min (cfm)</i>	43.89 (1550)
Rated Pressure <i>bar (psi)</i>	8.6 (125)
Pressure Range, max/min <i>bar (psi)</i>	10.3 / 5.2 (150 / 75)
Service Valves, main/auxiliary <i>mm (in)</i>	1 - 19.05/ 1 - 75.2 (1 - 3 NPT/ 1 - 3/4 NPT)
Operating Ambient Temperature, max/min <i>°C (°F)</i>	52 / -7 (125 / 20)
Maximum Operating Altitude <i>m (ft)</i>	3657 (12,000)
Fuel Consumption Full Load at 125 psi <i>l/h (gph)</i>	92 (24.3)
Comp. Discharge Shutdown Temperature <i>°C (°F)</i>	232 (450)
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>l / in³</i>	15.2 (927)
Cylinders	6
Bore x Stroke <i>mm (in)</i>	137 x 171.4 (5.4 x 6.75)
Rated Speed <i>rpm</i>	2100
Rated Power <i>kW (bhp)</i>	397 (540)
Electrical System <i>voltage</i>	24VDC
Battery Rating <i>CCA</i>	1450
Alternator Rating <i>amp</i>	110
Radiator Capacity <i>l (gal)</i>	113.6 (30)
Engine Water Shutdown Temperature <i>°C (°F)</i>	104 (219)
Fuel Tank Capacity <i>gal (l)</i>	946 (250)
DWQ PACKAGE	
Working weight <i>kg (lbs)</i>	9816 (21,640)
Dry weight <i>kg (lbs)</i>	8539 (18,825)
Length <i>mm (in)</i>	6375 (251)
Width <i>mm (in)</i>	2235 (88)
Height <i>mm (in)</i>	2565 (101)
Track width <i>mm (in)</i>	2032 (80)
Maximum Towing Speed <i>km/h (mph)</i>	24 (15)
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	



The Oil & Gas Engineering magazine Product of the Year awards program recognizes products for significant innovation and advancement in technologies and best practices.

The Sullair Tier 3 OFD1550 received the silver award in the Power category of this program for 2021.