

HITACHI



OFE1550

SULLAIR
ELECTRIC

Electric Portable Oil Free Rotary Screw Air Compressors

1550 cfm at 125 psi ■ 43.9 m³/min at 8.6 bar



Hitachi Global Air Power



THE NEXT ERA OF PORTABLE OIL FREE SOLUTIONS

OIL FREE — WHERE YOU NEED IT TO BE!

PLANTSIDE | REFINERYSIDE | JOBSITE

The OFE1550 marks a new generation for Sullair portable oil free compressors. Fully electric operation helps reduce carbon footprint while increasing versatility—bringing oil free air directly where it's needed.



ENGINEERED FOR EFFICIENCY & VERSATILE OPERATION

- Legendary Sullair Two-Stage Oil Free Air End
 - 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
- Flow range capacity from 1550 cfm at 125 psi (43.9 m³/min at 8.6 bar) with adjustable pressure 100 to 150 psi (7 to 10.3 bar)
- Fully electric operation
 - Reduces CO₂ emissions
- Can operate in harsh outdoor environments or indoors
- Innovative air flow design for reliability and durability of key electrical components
- Engineered to provide maximum cooling efficiency
- Designed for extreme temperatures
 - Temperatures ranging from 115°F/46°C to -20°F/-29°C
 - Onboard heaters for cold weather applications
 - Hydraulically actuated inlet valve
- Powered by a 400 hp TEFC motor with auto lubrication system
- Aftercooled with moisture separator to help protect downstream equipment
- NEMA 4 Wye-Delta starter
 - Superior startup with low inrush current
 - Helps maximize efficiency
 - Helps extend compressor component life

DESIGNED FOR EASE OF USE

- 10" color Sullair Touch Screen Controller allows easy control at the touch of a finger—even with gloves on!
 - In-depth compressor and package performance information
- Sullair AirLinx®—a telematics solution
 - GPS to keep track of your machines via Internet-connected devices
 - Fleet management
 - Remote monitoring and troubleshooting

COMPACT & DURABLE PACKAGE

- Multiple service doors for easy service and maintenance
- 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
- Galvannealed steel enclosure
- 110% containment frame
- Camlock electrical connections and air discharge safely spaced from operator helps increase worker safety

OIL FREE COMPRESSION & ROTARY SCREW DEPENDABILITY

OFE portable oil free air compressors are the perfect choice for applications requiring oil free air, including:

- Refinery and Petrochemical
- Power plants
- Pulp and paper
- Pipeline
- Metal and glass
- Transportation
- Pharmaceuticals
- Paint
- Electronics
- High-technology manufacturing
- Textile manufacturing
- Robotics
- Automotive
- Food and beverage manufacturing

Why Oil Free?

- Increased air purity
 - Helps provide peace of mind products are safe for customers
 - Helps reduce the risk of product contamination, equipment damage, unforeseen financial costs or harm to brand reputation
- Less frequent maintenance
- Can help meet increasingly strict purity requirements



AIR QUALITY STANDARDS ISO 8573-1 CLASSES

Class	Solid Particle Maximum number of particles per m³			Pressure Dew Point °F (°C)	Oil (incl. vapor) mg/m³
	0.1–0.5 micron	0.5–1.0 micron	1.0–5.0 micron		
0	As specified by the end-user or manufacturer, and more stringent than Class 1				
1	≤ 20,000	≤ 400	≤ 10	≤ -94° (-70°)	0.01
2	≤ 400,000	≤ 6,000	≤ 100	≤ -40° (-40°)	0.10
3	—	≤ 90,000	≤ 1,000	≤ -4° (-20°)	1.00
4	—	—	≤ 10,000	≤ 37.4° (3°)	5.00
5	—	—	≤ 100,000	≤ 44.6° (7°)	—
6	—	—	—	≤ 50° (10°)	—



Class 0 Oil Free Air—For applications in which air purity is essential.
OFE compressors are designed to meet oil free requirements under ISO 8573-1.

PRODUCT INFORMATION

FOR MORE INFORMATION, CONTACT YOUR
LOCAL AUTHORIZED SULLAIR DISTRIBUTOR.



OFE1550 SERIES - 400 hp/60 Hz

PERFORMANCE

Delivery at Full Load Pressure <i>cfm (m³/min)</i>	1550 (43.9)
Full Load Pressure <i>psi (bar)</i>	125 (8.6)
Pressure Range <i>min/max psi (bar)</i>	75/150 (5.2/10.3)
Power at Full Load Pressure <i>hp (kW)</i>	270 (217)
Gear Ratio	1.58
Sound Level (U.S. EPA) <i>dBA @ 7 meters</i>	76
Ambient Temp Rating <i>°F (°C)</i>	5 to 115 (-20 to 46)
Package Amps	481

COOLING AIR FLOWS

Air Flow Air Cooled Fan <i>cfm (m³/min)</i>	20,501 (580.6)
Air Cooled Fan Motor <i>hp (kW)</i>	15 (11)
Air Cooled Fan Motor Nominal Efficiency	97%

ETQ PACKAGE - INCLUDES RUNNING GEAR

Length <i>in (mm)</i>	251 (6375)
Width <i>in (mm)</i>	88 (2235)
Height <i>in (mm)</i>	101 (2565)
Weight <i>lbs (kg)</i>	15,000 (6804)

ELQ PACKAGE - LESS RUNNING GEAR

Length <i>in (mm)</i>	229 (5817)
Width <i>in (mm)</i>	88 (2235)
Height <i>in (mm)</i>	90 (2286)
Weight <i>lbs (kg)</i>	15,000 (6804)

PACKAGE CONNECTION SIZES

Discharge Connections <i>in NPT</i>	3
Moisture Drain Connection <i>in NPT</i>	(2) 1/2
Electrical Connection	4/0 CAMLOCK

MAIN MOTOR

Motor Power Rating <i>hp (kW)</i>	400 (298)
Voltage	460
Motor Nominal Efficiency	96%
Nominal RPM	1792
Service Factor	1.2
Nameplate Amps	489
Locked Rotor Amps	5477

STARTER

Starter Type	Wye-Delta
Starter Size Amp Rating	630
Short Circuit Current Rating (SCCR) <i>kA</i>	65
Electrical Disconnect	Yes
Starter Enclosure	NEMA 4

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