

# HITACHI



# OFE 1550

# SULLAIR<sup>®</sup> ELECTRIC

Electric Portable Oil Free Rotary Screw Air Compressors

1550 cfm at 125 psi ■ 43.9 m<sup>3</sup>/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 m<sup>3</sup>/min at 8.6 bar) with adjustable pressure 100 to 150 psi (7 to 10.3 bar)
- Fully electric operation
  - Reduces CO<sub>2</sub> 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

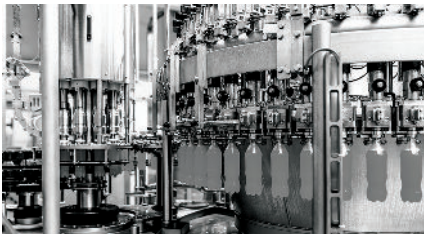
# OIL FREE COMPRESSION & ROTARY SCREW DEPENDABILITY

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 m <sup>3</sup>                        |                |                | Pressure Dew Point °F (°C) | Oil (incl. vapor) mg/m <sup>3</sup> |
|----------|--|----------------|----------------|----------------------------|-------------------------------------|
|          | 0.1–0.5 micron   | 0.5–1.0 micron | 1.0–5.0 micron |                            |                                     |
| <b>0</b> | <b>As specified by the end-user or manufacturer, and more stringent than Class 1</b> |                |                |                            |                                     |
| 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 (m<sup>3</sup>/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 (m<sup>3</sup>/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    |