

# HITACHI



## E425H

**SULLAIR®**  
**ELECTRIC**

Electric Portable Rotary Screw Air Compressors

425 cfm at 150 psi ■ 12 m³/min at 10.3 bar



**Hitachi Global Air Power**

# THE NEXT CHAPTER IN GREEN SOLUTIONS

THE SAME RELIABILITY, DURABILITY AND PERFORMANCE SULLAIR COMPRESSORS ARE KNOWN FOR, NOW IN AN ELECTRIC PACKAGE.

The E425H marks the next chapter in the new generation of Sullair portable air compressors. Fully electric operation helps save fuel costs while reducing carbon footprint.

## ENGINEERED FOR EFFICIENCY & VERSATILE OPERATION

- Legendary 18-Series Sullair Air End
- Fully electric operation
  - Reduces CO<sub>2</sub> emissions
  - Helps eliminate fuel costs and can extend runtimes—no need for fuel runs
- Can operate in harsh outdoor environments or indoors
- Powered by a 100 hp TEFC motor with auto lubrication system
- Aftercooled and filtered to help protect downstream equipment from moisture, particulates and oil
- Patent-pending condensate management system standard
  - Condensate is evaporated from heat generated by the operating compressor. This helps eliminate the need for additional equipment typically required for disposal.
- NEMA 4 solid state starter
  - Low inrush current helps maximize efficiency at startup and helps extend compressor component life by reducing initial power spike and maintaining stable voltage
- Genuine Sullube® compressor fluid
  - Helps clean and protect rotors from varnish—the number one cause of premature failure among rotary screw compressors



## DESIGNED FOR EASE OF USE

- Single-access operation point
- 7" color Sullair Touch Screen (STS) 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 units via Internet-connected devices
  - Fleet management
  - Remote monitoring and troubleshooting

## COMPACT & DURABLE PACKAGE

- Multiple service doors for easy service and maintenance
  - Single-side service design
  - Patent-pending swingout coolers allow full access for quick and easy cleaning
- Highway-towable, single-axle running gear
- Rotatable jack stand
- Strong fork pockets
- Single-point lift bail
- 110% containment frame
- Camlock electrical connections and air discharge safely spaced away from operator helps increase worker safety



# SUSTAINABILITY

SUSTAINABILITY MEANS MEETING CUSTOMER NEEDS WITHOUT COMPROMISING THE ABILITY OF FUTURE GENERATIONS TO DO THE SAME. THE EARTH BELONGS TO ALL OF US—SO DOES THE RESPONSIBILITY TO PRESERVE IT.

## OUR SUSTAINABILITY STRATEGY

Green is more than the color of Sullair machines, it's our whole attitude. Hitachi Global Air Power is thinking about sustainability at every step.

## ENVIRONMENT-FORWARD ENGINEERING

Our engineers are carefully examining ways to develop the most efficient, environmentally responsible compressed air solutions without compromising the Reliability, Durability and Performance Sullair machines are known for.

## CARBON NEUTRAL MANUFACTURING FACILITIES

Our largest manufacturing campus in Michigan City, IN, achieved carbon-neutral status in 2021, with all other global operations achieving the status in 2023. Our parent company, Hitachi, Ltd., has set a long-term environmental target to achieve carbon neutrality throughout its entire value chain by 2050.

## CIRCULAR ECONOMY & FIVE “R” STRATEGY

Since 2013, we've executed circular economy initiatives with the Sullair Certified REMAN program. For more than a decade, this program has significantly reduced CO<sub>2</sub> emissions by remanufacturing the entire compressor product for second and third lives.

**CIRCULAR ECONOMY:** An economic system based on the reuse and regeneration of materials or products, especially as a means of continuing production in a sustainable and environmentally friendly way.\*

\*Oxford Languages Online Dictionary

**OUR FIVE “R” STRATEGY INCLUDES WAYS TO REDUCE WASTE AND KEEP REUSABLE PARTS OUT OF A LANDFILL.**

### **RECOVER**

old equipment, recycle parts and help return more efficient products to the market

### **REBUILD**

using recovered products and parts

### **REPAIR OR RESTORE**

parts

### **REUSE**

products and parts

### **RECYCLE**

material as much as able when it's no longer usable



As we look to the future, expect the green machines you trust to get even greener.

# PRODUCT INFORMATION

FOR MORE INFORMATION, CONTACT YOUR  
LOCAL AUTHORIZED SULLAIR DISTRIBUTOR.



## E425H SERIES - 100 hp / 60 Hz

### PERFORMANCE

|                                                    |                      |
|----------------------------------------------------|----------------------|
| Delivery at Full Load Pressure <i>cfm (m³/min)</i> | 425 (12)             |
| Full Load Pressure <i>psi (bar)</i>                | 150 (10.3)           |
| Power at Full Load Pressure <i>hp (kW)</i>         | 115 (85.7)           |
| Gear Ratio                                         | 1.46                 |
| Sound Level (U.S. EPA) <i>dBA @ 7 meters</i>       | 72                   |
| Ambient Temp Rating <i>°F (°C)</i>                 | 5 to 115 (-20 to 46) |
| Package Amps                                       | 147                  |

### COOLING AIR FLOWS

|                                             |                |
|---------------------------------------------|----------------|
| Air Flow Air Cooled Fan <i>cfm (m³/min)</i> | 10,000 (283.2) |
| Air Cooled Fan Motor <i>hp (kW)</i>         | 5 (3.7)        |
| Air Cooled Fan Motor Nominal Efficiency     | 89.5%          |

### AIR/FLUID HOUSING

|                                    |           |
|------------------------------------|-----------|
| Fluid Fill Capacity <i>gal (l)</i> | 12 (45.4) |
|------------------------------------|-----------|

### EPQ PACKAGE - INCLUDES RUNNING GEAR

|                                       |             |
|---------------------------------------|-------------|
| Length <i>in (mm)</i>                 | 167 (4242)  |
| Width <i>in (mm)</i>                  | 69 (1753)   |
| Height <i>in (mm)</i>                 | 86 (2185)   |
| Weight <i>lbs (kg)</i>                | 5030 (2282) |
| Tire Size                             | ST225/75R15 |
| Track Width <i>in (mm)</i>            | 57 (1448)   |
| Axle Rating <i>lbs (kg)</i>           | 5200 (2359) |
| Maximum Towing Speed <i>mph (kph)</i> | 65 (105)    |

### ELQ PACKAGE - LESS RUNNING GEAR

|                        |             |
|------------------------|-------------|
| Length <i>in (mm)</i>  | 108 (2744)  |
| Width <i>in (mm)</i>   | 69 (1753)   |
| Height <i>in (mm)</i>  | 73 (1855)   |
| Weight <i>lbs (kg)</i> | 4510 (2046) |

### PACKAGE CONNECTION SIZES

|                                         |             |
|-----------------------------------------|-------------|
| Discharge Connections <i>in NPT</i>     | 2           |
| Moisture Drain Connection <i>in NPT</i> | ½           |
| Electrical Connection                   | 4/0 CAMLOCK |

### MAIN MOTOR

|                          |          |
|--------------------------|----------|
| Motor <i>hp (kW)</i>     | 100 (75) |
| Voltage                  | 460      |
| Motor Nominal Efficiency | 95.4%    |
| Nominal RPM              | 1786     |
| Service Factor           | 1.20     |
| Nameplate Amps           | 127      |
| Locked Rotor Amps        | 1373     |

### STARTER

|                                               |                                    |
|-----------------------------------------------|------------------------------------|
| Starter Type                                  | Solid State Reduced Voltage (SSRV) |
| Starter Size Amp Rating                       | 169                                |
| Short Circuit Current Rating (SCCR) <i>kA</i> | 65                                 |
| Electrical Disconnect                         | Yes                                |
| Starter Enclosure NEMA Rating                 | NEMA 4                             |
| Package Amps                                  | 168                                |

Hitachi Global Air Power US, LLC

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