The Sullair 1600H
Portable Air Compressor

1600 cfm at 150 psig ▪ 45.3 m³/min at 10 bar

- Rotary screw compressor
- 0 to 100% capacity control
- COMPASS® controller
- Electronic engine control
- Curbside instrument panel – in weather tight enclosure
- Protective shutdown switches

- Two-stage air filters with safety element
- Ample service doors
- Containment frame
- AWF Compressor Fluid
- Galvanneal sheet metal

- Three mounting options:
  - Less running gear
  - Four-wheel steerable
  - Tri-axle:
    - Electric brakes
    - Mechanical parking brake
    - E-Z lube axle
Gauges and a LCD graphic display on the COMPASS® Controller provides real-time system information.

Designed for Total Accessibility and Reliability

**COMPASS® Controller**

- Gauges and a LCD graphic display on the COMPASS® Controller indicate:
  - Discharge pressure
  - Discharge temperature
  - Ambient air temperature
  - Separator restriction
- Aftercooler air temperature and louver activation if equipped
  - Engine speed
  - Hours of operation
  - Voltage
  - Engine coolant temperature
  - Engine coolant level
  - Fuel level
  - Fuel usage rate
  - Fuel pressure
  - Fuel temperature
  - Percent engine load
  - Engine air temperature
  - Engine oil pressure
  - Compressor and engine status
  - An engine diagnostic service port, displayed diagnostic messages and retrievable shutdown history includes all monitored system parameters at time of shutdown
  - High/low selector switch and a rocker type start switch are also provided
  - Back lit switches and gauges for night use
  - E-stop, and auto and remote start capability

**Containment Frame**

- Heavy duty frame with complete fluid containment
- Bulkhead drain valves for all fluids are provided

**Indicator Lights for:**

- Low fuel
- High compressor temperature
- Compressor shutdown and warning
- Engine shutdown and warning

**Engine Oil Frame**

- Automatic inlet valve and unloaded starting

**Three Mounting Options**

- Highway towable tri-axle version
- Four-wheel steerable mounting

**Air End Warranty**

- 5-year or 10,000-hour warranty when continuously serviced at the recommended intervals with Sullair AWF Compressor Fluid and filters

**Quiet Operation**

- Meets US EPA sound requirements of 76 dBA @ 7 meters

**Low Emissions Engine Technology**

- Complies with Tier 3 and Stage 3 emissions legislation

**Specifications, Weights and Dimensions—SULLAIR 1600H PORTABLE COMPRESSOR**

<table>
<thead>
<tr>
<th>Delivery @ Rated Pressure</th>
<th>Rated Pressure</th>
<th>Pressure Range</th>
<th>Designated Model</th>
<th>Weight (wet)</th>
<th>Length (in)</th>
<th>Length (drawbar) (mm)</th>
<th>Width (canopy) (mm)</th>
<th>Height (canopy) (mm)</th>
<th>Track Width (mm)</th>
<th>Tire Size (load range)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1600 acfm 755 l/s 45.3 m³/min</td>
<td>150</td>
<td>85–150</td>
<td>5.8–10</td>
<td>Tri-Axle Mount</td>
<td>16350</td>
<td>7416</td>
<td>240</td>
<td>6096</td>
<td>179</td>
<td>4547</td>
</tr>
<tr>
<td>Without Running Gear</td>
<td>15250</td>
<td>6917</td>
<td>–</td>
<td>–</td>
<td>179</td>
<td>4547</td>
<td>88</td>
<td>2235</td>
<td>83</td>
<td>2108</td>
</tr>
</tbody>
</table>

**Engine Make:** Caterpillar  
**Engine Type:** Diesel  
**Engine Model:** C-15 ATAAC  
**Displacement in³:** 928  
**Cylinders:** 6  
**Cycles:** 4  
**Bore and Stroke in mm:** 5.40 x 6.7 x 137 x 171  
**Rated Speed rpm:** 1800  
**Rated Power kW:** 540  

**SSL-1139EN 1405R**

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