

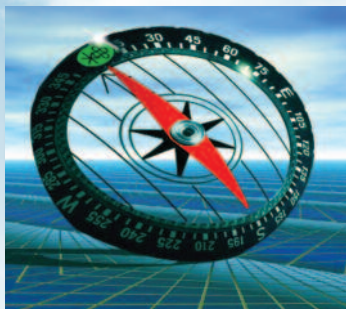


# The Sullair 1600H Portable Air Compressor

1600 cfm at 150 psig ■ 45.3 m<sup>3</sup>/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





#### COMPASS® Controller

The brains of the system monitors every aspect of the compressor and engine.



#### Monitoring and Control System

The user friendly control panel (housed in a weather tight enclosure) provides real time system information.



#### Rotary Screw Compressor by Sullair

The pioneer in rotary screw technology.



#### Sullair AWF Compressor Fluid

Improved hot and cold weather lubrication. Longer compressor fluid life. Extended air end warranty.

### 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

#### Indicator Lights for:

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

#### 0 to 100% Capacity Control

- Automatic inlet valve and unloaded starting

#### Containment Frame

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

#### Ample Padlockable Service Doors

- Large front and side doors provide access to air filters, engine and compressor
- Rear side service doors provide access to fuel tank and batteries
- Serviceable components within easy reach
- Routine maintenance is simplified
- Reduced downtime and service cost
- Service doors feature stainless hinges and steel T-type door retainers

#### Two-Stage Dry Type Air Filters

- Filters incorporate safety elements and are positioned to draw cool ambient air

#### Three Mounting Options

- Highway towable tri-axle version includes electric brakes, mechanical parking brake, restraining tow chains and E-Z lube axle system
- Four-wheel steerable mounting
- Less running gear on mounting rails
- All have tie down locations built into frame

#### Low Emissions Engine Technology

- Complies with Tier 3 and Stage 3 emissions legislation

#### 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

### Customize the compressor to meet your specific requirements with Sullair's options

Block heater  
Special color paint

Aftercooler and filters / louvers: aftercooler and filters provide instrument quality air that meets ISO 8573-1: Class 1.7.1 Compressed Air Standard

### SPECIFICATIONS, WEIGHTS AND DIMENSIONS—SULLAIR 1600H PORTABLE COMPRESSOR

Delivery @ Rated Pressure	Rated Pressure psig bar	Pressure Range psig bar	Designated Model	Weight (wet) lbs kg	Length (drawbar) in mm	Length (canopy) in mm	Width in mm	Height (canopy)* in mm	Track Width in mm	Tire Size (load range)
1600 acfm 755 l/s 45.3 m³/min	150 10	85–150 5.8–10	Tri-Axle Mount	16350 7416	240 6096	179 4547	88 2235	92 2337	77 1956	ST 235/80R16 (E)
			4-Wheel Mount	16020 7267	244 6198	179 4547	88 2235	101 2565	78 1981	8.25 X 15 TR (F)
			Less Running Gear	15250 6917	—	179 4547	88 2235	83 2108	—	—
Engine Make	Engine Type	Engine Model	Displacement in³ l	Cylinders	Cycles	Bore and Stroke in mm	Rated Speed rpm	Rated Power hp kW		
Caterpillar	Diesel	C-15 ATAAC	928 15.2	6	4	5.40 X 6.7 137 X 171	1800	540 403		

Capacity per CAGI/PNEUROP PN2CPTC3. (Annex D to ISO 1217)

\*Add 6 in (152 mm) for overall clearance height.



**Sullair Corporation**  
3700 East Michigan Boulevard  
Michigan City, IN 46360  
Telephone: 219-879-5451  
[www.sullair.com](http://www.sullair.com)

Sullair Corporation is a subsidiary of Hamilton Sundstrand Corporation, a United Technologies Company. (NYSE: UTX)  
© Copyright 2011 Sullair Corporation. All rights reserved.  
The color green is a registered trademark of Sullair Corporation.  
Specifications subject to change without notice.  
**SSL-1139 1101R2.5**



The paper used in printing this literature was manufactured using recycled fiber, either pre-consumer or post-consumer waste, therefore less harmful to the environment because less virgin fiber is used, thereby reducing tree harvesting, water usage, energy consumption, emission of greenhouse gases and pollution.