

T H E S U L L A I R  
**1600H**

**PORTABLE AIR COMPRESSOR**

1600 CFM AT 150 PSIG—755 L/S AT 10 BAR



- ROTARY SCREW COMPRESSOR
- PNEUMATIC INLET VALVE
- 0 TO 100% CAPACITY CONTROL
- ELECTRONIC ENGINE CONTROL
- IDLE WARM-UP VALVE
- CURBSIDE INSTRUMENT PANEL—
  - MECHANICAL GAUGES
  - DIAGNOSTIC SHUTDOWN INDICATORS
  - CIRCUIT BREAKER
  - ENGINE MONITOR SYSTEM
- HIGH/LOW PRESSURE SELECTOR VALVE
- PROTECTIVE SHUTDOWN SWITCHES
- TWO-STAGE AIR FILTERS WITH SAFETY ELEMENT
- AMPLE SERVICE DOORS
- SWING-DOWN COOLER
- THREE MOUNTING OPTIONS—
  - LESS RUNNING GEAR
  - FOUR-WHEEL STEERABLE
  - TRI-AXLE—
    - SURGE HYDRAULIC BRAKES
    - MECHANICAL PARKING BRAKE
    - E-Z LUBE AXLE
- AWF COMPRESSOR FLUID





**Rotary Screw Compressor**  
Single-stage, fluid flooded, cast iron housing is dimensionally stable, thick walled and machined to close tolerances.



**Curbside Instrument Panel**  
Equipped with top quality gauges, circuit breaker, idle warm-up valve, diagnostic shutdown indicator system, and engine monitor system.



**Sullair AWF Compressor Fluid**  
Improved hot and cold weather lubrication. Longer compressor fluid life. Extended air-end warranty.



**Optional Four-Wheel Steerable Mounting**  
Improves mobility for off-road confined areas.

## DESIGNED FOR TOTAL ACCESSIBILITY AND RELIABILITY

### Rotary Screw Compressor

#### Ample Padlockable Service Doors

Large front and side doors provide access to air filters, engine, compressor and tool compartments.  
Rear side service doors provide access to fuel tank, batteries and swing-down compressor fluid cooler.  
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.

#### Three Mounting Options

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

### 0 to 100% Capacity Control

Automatic inlet valve and unloaded starting.

### Electronic Engine Control

Electronic controls include a diagnostic capability and an onboard computer that can record historical events when engine is running.  
Small readout screen on the instrument panel where the diagnostic information can be obtained.

### Two-Stage Dry Type Air Filters with Safety Element

Positioned to draw cool outside air.

### Curbside Instrument Panel

Hinged, padlockable cover.  
Mechanical gauges are used for air pressure, compressor discharge temperature, air filter maintenance indicators, and separator maintenance indicator.  
Engine Monitor System will display: engine hours, engine RPM, voltage, coolant temperature, engine oil pressure, percent load, fuel rate and more.

Other instrumentation include, measured shot ether start aid, fuel level gauge, circuit breakers, and engine warning and fault code lights.  
High/Low pressure selector valve allows dual pressure capability without making mechanical adjustment.

### Diagnostic Shutdown Indicator System

For compressor: High discharge temperature.  
For engine: Low fuel level.  
For additional diagnostics, by using a Caterpillar service tool that can retrieve recorded engine parameters (power, engine temperature...), the service technician can determine what the engine was doing before, during and after system malfunction.

### Protective Shutdown Switches

Low engine oil pressure, high engine water temperature, low water level, high compressor temperature or low fuel level.  
A protective circuit also prevents starter engagement when machine is operating.

### AWF Compressor Fluid

All-weather, all-climate fluid.

### Low Emission Engine Technology

Complies with Tier 3 and Stage 3 emission legislation.

### Air End Warranty

2 year standard 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 76dBA @ 7 meters.

### Options

Many options are available.



This product is manufactured to the highest quality standards in an ISO 9001 certified quality system.

## 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 cfm 755 L/S 45.3 m <sup>3</sup> /min	150 10	80–150 5.5–10	Tri-Axle Mount	16350 7416	240 6096	179 4547	88 2235	92 2337	77 1956	9.50 x 16.5 LT (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 cu in 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		

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



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