

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
- 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
- THREE MOUNTING OPTIONS—
LESS RUNNING GEAR
- FOUR-WHEEL STEERABLE
- TRI-AXLE—
ELECTRIC BRAKES
MECHANICAL PARKING BRAKE
E-Z LUBE AXLE
- AWF COMPRESSOR FLUID





"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 weathertight 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, and
- engine oil pressure.
- compressor and engine status

Indicator lights for:

- low fuel,
- high compressor temperature,
- compressor shutdown and warning
- engine shutdown and warning.

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.

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.

Service doors feature stainless hinges and steel T-type door retainers.

0 to 100% Capacity Control

Automatic inlet valve and unloaded starting.

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 and less running gear on mounting rails are also available.

All have tie down locations built into frame.

Low Emission Engine Technology

Complies with Tier 3 and Stage 3 emission 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.



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

SULLAIR'S OPTIONS ALLOW YOU TO CUSTOMIZE THE COMPRESSOR TO MEET YOUR SPECIFIC REQUIREMENTS WITHOUT PAYING FOR ITEMS YOU DO NOT NEED.

- 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 m ³ /min	150 10	80–150 5.5–10	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 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		

Capacity per CAGI/PNEUROP PN2CPTC3.

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



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