

T H E S U L L A I R

# 1600

## PORTABLE AIR COMPRESSOR

1600 CFM AT 100 PSIG—755 L/S AT 7 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  
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



 **SULLAIR®**



**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.

**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.

**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

Service Valve

Parking brake (standard on tri-axle)

**SPECIFICATIONS, WEIGHTS AND DIMENSIONS—SULLAIR 1600 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	100 7	80-125 5.5-8.5	Tri-Axle Mount	16260 7376	240 6096	179 4547	88 2235	92 2337	77 1956	9.50 x 16.5 LT (E)
			4-Wheel Mount	15930 7226	244 6198	179 4547	88 2235	101 2565	78 1981	8.25 X 15 TR (F)
			Less Running Gear	15160 6877	- -	179 4547	88 2235	83 2108	- -	- -
Engine Make	Engine Type	Engine Model	Displacement cu in cc	Cylinders	Cycles	Bore and Stroke in mm	Rated Speed rpm	Rated Power hp kW		
Caterpillar	Diesel	C-15 ATAAC	893 14600	6	4	5.40 X 6.50 137 X 165	1800	450 336		

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



www.sullair.com

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