

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  
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, a rocker-type start switch is 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. Reduced downtime and service cost. 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 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 acfm 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	ST 235/80R16 (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 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	475 354		

Capacity per CAGI/PNEUROP PN2CPTC3.

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



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