SULLAIR

750HH, 750XH, 825HH, 825XH, 900HH, 900H, 950H AND 1050

Diesel Engine Portable Air Compressor

8.6 bar (125 psi) – 13.8 bar (200 psi)

21.2m³/min (750 cfm) – 29.7m³/min (1050 cfm)



SULLAIR®

Always air. Always there.®

ABOUT SULLAIR

For more than 50 years, Sullair has been on the leading edge of compressed air solutions. We were one of the first to execute rotary screw technology in our air compressors. And our machines are famous all over the world for their legendary durability. As the industry moves forward, Sullair will always be at the forefront with quality people, innovative solutions, and air compressors that are built to last.

Sullair was founded in Michigan City, Indiana in 1965, and has since expanded with a broad international network to serve customers in every corner of the globe. Sullair has offices in Chicago and manufacturing facilities in the United States and China — all ISO 9001 certified to assure the highest quality standards in manufacturing. In addition, Sullair Suzhou and Shenzhen facilities are ISO 14001 and OHSAS 18001 certified.

Sullair is A Hitachi Group Company

LEGENDARY SULLAIR AIR END

PROVEN RELIABILITY

Bulletproof. It's a word often used in conjunction with the Sullair air end. Although the principle of rotary screw compression remains the same, as does the durability, Sullair continuously improves the materials, engineering and design of its air ends and compressor packages.

Features asymmetrical rotors made in the USA with proven bearing design.

LONGER AIR END LIFE

Controlled pressure lubrication and bearing fluid reservoirs assure a reliable supply of fluid to rotating elements — helping extend air end life.

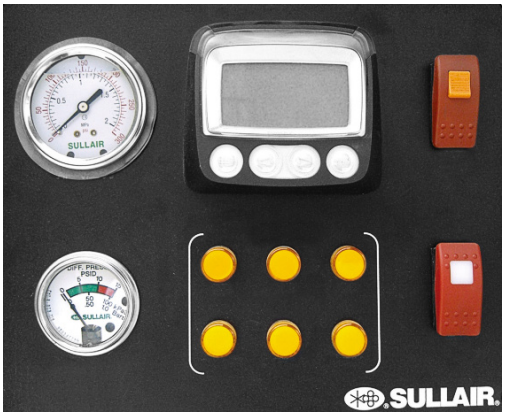
SULLAIR AIR END WITH EXTRAORDINARY PERFORMANCE

18-series air end with integrated inlet control valve capable of modulating air inlet volume based on air demand

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





INSTRUMENT PANEL WITH DISPLAY UNIT

Features of the multi-functional display unit include:

- Display of dynamic fault and fault history in text mode
- Operating temperature range of display unit -40° C to 85° C
- Simple and convenient to install
- Multi-language options
- Weatherproof (IP68)
- Service reminders

Indicator lights:

- Engine shutdown
- Engine maintenance
- Engine fault
- Low fuel level
- High discharge temperature
- Low coolant level

AWF® ALL WEATHER FLUID

The fluid of choice for demanding operating conditions — heat, cold, humidity — AWF handles them all

- Designed for the most extreme conditions, AWF is formulated to handle the challenging conditions faced by portable rotary screw air compressors. This multi-viscosity, highly refined, petroleum-based fluid combines easy cold-weather starting and warmup with exceptional lubrication in hot or severe conditions.
- AWF fights oxidation contaminants in intake air that can rust and corrode internal surfaces. Special additives dissolve or suspend contaminants before they form harmful deposits. Additives also neutralize acidic pollutants in the air so that acids can't attack metal surfaces.
- Lasts up to 1500 hours
- Excels in dirty environments
- Resists varnish in hot conditions
- Formulated to maximize air/fluid separation and limit fluid carryover

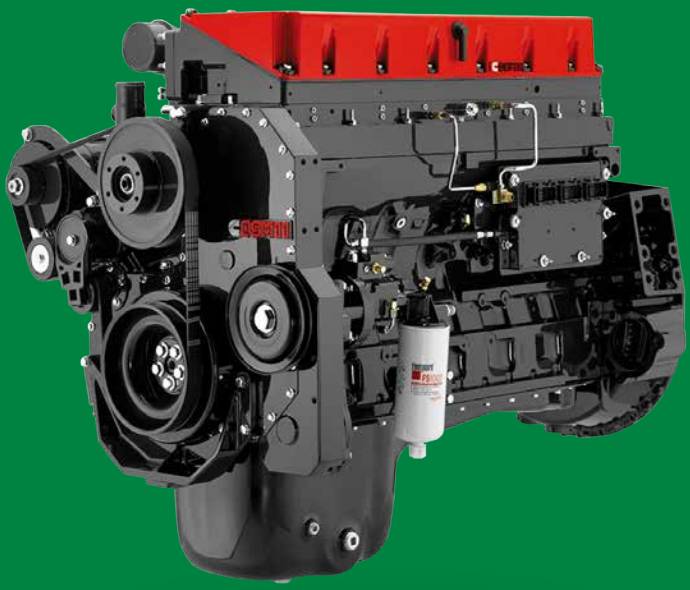


RUNNING GEAR

- The machines are supplied with a dual axle undercarriage (DWQ)
- Maximum towing speed: 35 km/h
- Also available without running gear (DLQ)

ADDITIONAL FEATURES

- Two wide, lockable service doors making parts easily accessible and serviceable
- Removable cover plates are used under the base. Each plate is equipped with a drain port to discharge accumulated water and oil sludge from the machine
- Automatic protection system on compressor and diesel engine
- Specially designed muffler system with heat insulation minimizes noise pollution
- 0–100% capacity regulation
- Multi-functional instrument panel
- Four heavy-duty air filters with primary and secondary filter elements
- Pneumatic inlet valve and unloaded start device
- Floating frame cooler
- Also available in high altitude configuration



CUMMINS ENGINE

IN-LINE SIX CYLINDER QSM11 TURBOCHARGED ELECTRONIC INJECTION DIESEL

This engine is not only high quality, reliable and durable but also adopts the new generation electric control know-how and holds the best horsepower-weight ratio. The engine's electronic control module (ECM) adopts a duplex microprocessor and utilizes multiple sensors to continually monitor the engine. It performs automatic adjustment to have the engine present the best performance. The ECM stores diagnostic data to assist in failure diagnosis.

- Accurate gauging of the desired fuel injection quantity enhances the power density and reduces the vibration
- A higher fuel-injection pressure improves the ignition; lowering fuel consumption, reducing soot and PM emissions
- Precise fuel-injection timing control reduces HC and NOx emission and enhances fuel economy

TECHNICAL SPECIFICATIONS

MODEL	750HH DWQ	750XH DWQ	825HH DWQ	825XH DWQ	900HH DWQ	900H DWQ	950H DWQ	1050 DWQ
COMPLETE MACHINE								
Nominal Volume Capacity (m^3/min/cfm)	21.2/750	21.2/750	23.4/825	23.4/825	25.5/900	25.5/900	26.9/950	29.7/1050
Rated Discharge Pressure (bar/psi)	12.0/175	13.8/200	12.0/175	13.8/200	12.0/175	10.3/150	10.3/150	8.6/125
Working Pressure Range (bar)	5.5-12.0	5.5-13.8	5.5-12.0	5.5-13.8	5.5-12.0	5.5-10.3	5.5-10.3	5.5-8.6
Max. Towing Speed (km/h)	35							
Max. Working Angle	15°							
Noise Sound Level (±3 dBA at 7m)	80							
Machine Weight (kg/lbs)	4880/10759 (dry)							
Dimensions: L x W x H mm	4092 x 2100 x 2471 (total height of the machine)							
Track Width (mm)	1820							
Tire Specifications	7.5-16-14PR							
Tire Pressure (kPa/psi)	630-690 (91-100)							
Max. Operating Altitude (m)	4876							
Specification of Air Supply Valve	1 x Rp 2 1 x Rp ¾							
Fluid Capacity (l/US gal)	60 (15.8)							
DIESEL ENGINE								
Manufacturer	CUMMINS							
Model	QSM11-290 Tier 2							
Full-load / No-load Speed (rpm)	1800/1200							
Rated Power (kW/bhp)	216/290							
Displacement (l/in^3)	10.8/660							
Cooling System Capacity (l/US gal)	40/10.6							
Engine Oil Capacity (l/US gal)	34/9							
Fuel Tank Capacity (l/US gal)	460/121.5							
Electrical System Voltage (V)	24							
Rated Capacity of Battery	210 Ah/ea.							
Fuel Consumption at Full Load (l/h/gph)	49.7/13.1	49.7/13.1	50.9/13.5	52.8/14	55.3/14.6	50.1/13.2	55/14.5	52.6/13.9

For more information, contact your local authorized Sullair distributor.

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