

SULLAIR

1100XH, 1200RH, 1100HH, 1200XH AND 1300XH

Diesel Engine Portable Air Compressor

20.7 bar (300 psi) – 34.5 bar (500 psi)

31.1m³/min (1100 cfm) – 36.8m³/min (1300 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, China and India — all ISO 9001 certified to assure the highest quality standards in manufacturing. In addition, Sullair Suzhou and Shenzhen facilities are ISO9001, ISO14001 and OHSAS 18001 certified.

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 multi-functional display unit include:

- Operating temperature range of display unit -40° C to 85° C
- Simply and convenient to install
- Multi-language options
- Weatherproof (IP68)
- Service reminders

3 engine alarm indicator lights:

- Maintenance
- Halt
- Alarm

Machine alarm indicator lights:

- High discharge temperature
- High start-up tank pressure
- Low coolant level

Machine alarm indicator lights:

- Engine revolution speed
- Engine oil pressure
- Fuel oil level
 - Fuel temperature
 - Fuel consumption
 - Air End temperature
 - Engine loading rate
- Coolant temperature
- System voltage
- Engine operating hours

AWF® COMPRESSOR 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 1,500 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 of 35 km/h
- Also available without running gear (DLQ)

ADDITIONAL FEATURES

- Two fuel tanks with a capacity of 700 L each ensures the operation of the machine at full load for 7–8 consecutive hours of work
- Two wide, lockable service doors making parts easily accessible and serviceable
- Anti-freeze technology on control system
- Automatic protection system on compressor and diesel engine
- Large diameter fan with low RPM can minimize fan power consumption and overall machine noise
- Intelligent and luxury instrument panel
- 0–100% capacity regulation
- Two-stage heavy duty air filters with secondary filter element
- Pneumatic inlet valve and unloaded start device
- Protective shut-down switches
- Idle warm-up switch
- Also available in high altitude configuration



CUMMINS ENGINE

IN-LINE SIX CYLINDER QSX15 TURBOCHARGED ELECTRONIC INJECTION DIESEL

This engine uses a high pressure injection (HPI) fuel system capable of delivery fuel to the cylinder at high pressures, enabling multiple injection events per cycle. It uses a two-belt drive with automatic tension. This engine provides low emissions, up to 5% better fuel economy and up to 2779 N m of peak torque with a 50% torque rise. The Cummins Particulate Filter reduces particulate matter by over 90%. This insulated filter is integrated with the Cummins VGT Turbocharger as a single electronic system, driven by the ECM to maximize particulate filter self-regeneration. Its rugged design has been optimized to handle any equipment shock and vibration loads.

TECHNICAL SPECIFICATIONS

MODEL	1100XH DWQ	1200RH DWQ	1100XHH DWQ	1200XHH DWQ	1300XH DWQ
COMPLETE MACHINE					
Nominal Volume Capacity (m ³ /min/CFM)	31.1/1100	34.0/1200	31.1/1100	34.0/1200	36.8/1300
Rated Discharge Pressure (bar/psi)	24.1/350	20.7/300	34.5/500	30.0/435	24.1/350
Working Pressure Range (bar)	9.7-24.1	9.7-20.7	13.7-34.5	13.7-30.0	13.7-24.1
Max. Towing Speed (km/h)	35				
Max. Working Angle	15°				
Noise Sound Level (±3 dBA at 7m)	83		86		
Machine Weight (kg/lbs)	6600 / 14551 (dry)				
Dimensions: L x W x H mm	4687 x 2100 x 2396 (total height of the machine) 4687 x 2100 x 2558 (up to the top of the shed) (DLQ version)				
Track Width (mm)	1786				
Tire Specifications	8.25-16-14PR				
Tire Pressure (kPa/psi)	690-760 (100-110)				
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	QSX15				
Full-load / No-load Speed (rpm)	1850/1300				
Rated Power (kW/BHP)	336/450		391/525		
Displacement (L/in ³)	8.3/506				
Water Tank Capacity (L/US gal)	60/16.0				
Engine Oil Capacity (L/US gal)	45.4/12.0				
Fuel Tank Capacity (L/US gal)	700/185				
Fuel Consumption Rate (L/h/US gal)	700/185				
At 100% Air Flow	84.3/22.0	96.5/25.5	99.8/26.4	96.5/25.5	
At 75% Air Flow	61.4/16.2	82.5/21.8	72.6/19.2	82.5/21.8	
At 50% Air Flow	52.0/13.7	68.2/18.0	56.9/15.0	68.2/18.0	
At 25% Air Flow	39.0/10.3	53.1/14.0	45.9/12.1	53.1/14.0	
Electrical System Voltage (V)	24				
Rated Capacity of Battery	210 Ah/ea.				

For more information, contact your local authorized Sullair distributor.