# SULLAIR
# 1100XH, 1200RH, 1100XHH, 1200XXH 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 and China — 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
- Simple 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 parameter indicators:**

- 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® 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

- Fuel tank capacity of 700 liters for 7–8 consecutive hours of operation at full load
- 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 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 delivering fuel to the cylinder at high pressures, enabling multiple injection events per cycle. It uses a two-belt drive with automatic tensioning. This engine provides low emissions, up to 5% better fuel economy and up to 2779 Nm 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. Its rugged design has been optimized to handle any equipment shock and vibration loads.

# TECHNICAL SPECIFICATIONS

| MODEL | 1100XH DWQ | 1200RH DWQ | 1100XHH DWQ | 1200XXH DWQ | 1300XH DWQ |
|---|---|---|---|---|---|
| **COMPLETE MACHINE** | | | | | |
| Nominal Volume Capacity (m³/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 | 4682 x 2100 x 2358 (total height of the machine)<br>4682 x 2100 x 2521 (up to the top of the shed)<br>4303 x 2100 x 2514 (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<br>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/in³) | 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 | | | | |
| 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.

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