

SULLAIR

550RH, 600RH, 600XH AND 750H

Diesel Engine Portable Air Compressor

10 bar (150 psi) – 17 bar (250 psi)

15.5m³/min (550 cfm) – 21.2m³/min (750 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



DISPLAY UNIT

Features of 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
- Weatherproof (IP68)
- Multi-language options
- Service reminders

Display content:

- Engine revolution speed
- Engine oil pressure
- History fault code (if supported)
- Dynamic fault code
- 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

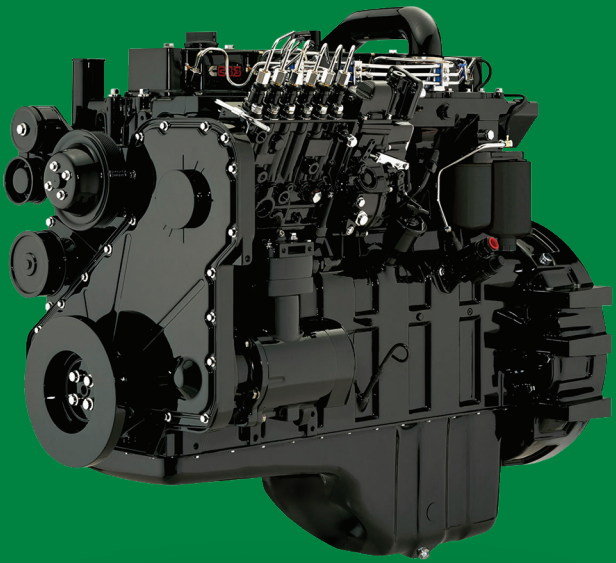


RUNNING GEAR

- Single axle undercarriage
- Maximum towing speed: 35 km/h
- Height of the machine can be effectively reduced to make it more flexible, stronger and reliable
- Available without running gear (DLQ)

ADDITIONAL FEATURES

- The 375 litre metal fuel tank meets the demand of 8–10 consecutive hours of operation
- A Dn350 fluid/air separator is fitted and is 23% more efficient than traditional fluid/air separators
- Large, lockable service doors provide access for easy maintenance — reducing downtime and service costs
- Single stage oil injection screw compressor
- 0–100% capacity regulation
- Two-stage air filters with safety elements
- Pneumatic inlet valve and blowdown starter
- Emergency stop
- Protective shut-down switches
- Idle warm-up switch
- Also available in high altitude configuration



CUMMINS ENGINE

IN-LINE SIX CYLINDER C SERIES

This Cummins engine is fitted with 1000–1200 bar high pressure fuel injection and five aperture injectors. Dual ni-resist piston inserts reduce friction and oil consumption therefore increasing the piston life. The top of the piston with low speed torque helps to conduct anodized treatment and resistance to thermal cracking.

Cold shock ductile iron camshafts improve the torque transmission capacity. The cylinder head reduces the generation of nitrogen oxides and lowers the emission of atmospheric pollution. Edge molded gaskets prevent oil leaks. C camshaft is provided with seven replaceable bushings making the design more current than traditional setups where only the primary bushing is available.

TECHNICAL SPECIFICATIONS

| MODEL | 550RH DPQ | 600XH DPQ | 600RH DPQ | 750H DPQ |
|---|---|-----------|--------------|----------|
| COMPLETE MACHINE | | | | |
| Nominal Volume Capacity (m ³ /min/cfm) | 15.5/550 | 17.0/600 | 17.0/600 | 21.2/750 |
| Rated Discharge Pressure (bar/psi) | 17/250 | 13.8/200 | 17/250 | 10/150 |
| Working Pressure Range (bar) | 6.5–17 | 6.5–13.8 | 6.5–17 | 6.5–10 |
| Max. Towing Speed (km/h) | 35 | | | |
| Noise Sound Level (±3 dBA at 7m) | 79 | | | |
| Machine Weight (kg/lbs) | 3200/7055 (dry) 3000/6614 (DLQ Version) | | | |
| Dimensions: L x W x H mm | 4210 x 2150 x 2050 (to the top of the enclosure) 4510 x 2150 x 2170 (total height) 3480 x 1680 x 1800 (DLQ version) | | | |
| Tire Specifications | 7.5-16-14 PR | | | |
| Tire Pressure (kPa/psi) | 690-760 (100-110) | | | |
| Max. Operating Altitude (m) | 3048 | | | |
| Specification of Air Supply Valve | 1 x Rp 2 1 x Rp ¾ | | | |
| Fluid Capacity (l/US gal) | 26 (6.8) | | | |
| DIESEL ENGINE | | | | |
| Manufacturer | Dongfeng CUMMINS | | | |
| Model | 6CTA8.3-C240 | | 6CTA8.3-C260 | |
| Full-load / No-load Speed (rpm) | 1800/1300 | | 1850/1300 | |
| Rated Power (kW/bhp) | 179/240 | | 194/260 | |
| Displacement (l/in ³) | 8.3/506 | | | |
| Cooling System Capacity (l/US gal) | 22/5.8 | | | |
| Engine Oil Capacity (l/US gal) | 18/4.8 | | | |
| Fuel Tank Capacity (l/US gal) | 375/99 | | | |
| Electrical System Voltage (V) | 24 | | | |
| Rated Capacity of Battery | 210 Ah/ea. | | | |

For more information, contact your local authorized Sullair distributor.