



# SULLAIR 1600H SULLAIR 900XHH/1150XH

Portable Lubricated Rotary Screw Air Compressors  
Tier 4 Final Emissions Compliant

*1600 cfm at 100 or 150 psi ■ 45.3 m<sup>3</sup>/min at 10 bar*

*900 cfm at 200 – 500 psi ■ 25.5 m<sup>3</sup>/min at 13.8 – 34.5 bar // 1150 cfm at 200 – 350 psi ■ 32.6 m<sup>3</sup>/min at 13.8 – 24.1 bar*



# BIG AIR IS BACK — AND BETTER THAN EVER

For jobs that require high volume air power, Sullair has you covered with two options—the award-winning 1600H and the 900XHH/1150XH Tier 4 Final portable air compressors. Powered by legendary Sullair 25-Series Air Ends and reliable Caterpillar C15 engines, these compressors provide versatile operation delivering a wide range of pressure and air flow options for your most extreme demands.

Both redesigned with a focus on enhanced usability, the 1600H and the 900XHH/1150XH fully embody the Sullair brand promise: **Reliability, Durability, Performance.** Featuring the state-of-the-art 7" Sullair Touch Screen Controller (STS), improved air flow capabilities and ease of access for maintenance items in a smaller, lighter overall package\*, you can count on these compressors to work as hard as you do—and as long too! With an onboard fuel capacity of 249 gallons plus an easy-operation valve to connect to an external fuel source, your compressor can extend beyond the standard 10-hour runtime.



#### 1. 7" Sullair Touch Screen Controller (STS)

- Provides easy access to all compressor operation data

#### 2. Easy-Access Battery Disconnect

- No tools needed

#### 3. Highway Towable Running Gear

- For easy towing to jobsites

#### 4. DEF Tank

- Up to 20 hours of runtime
- 12.8 Gallon Capacity

#### 5. Fork Pockets

- Make loading for transport quick and efficient

#### 6. Multiple Lockable Service Doors

- Provides easy access to all service components

#### 7. Easy-Operation External Fuel Valve

- Easily connect to external fuel source to extend runtime beyond 10 hours

#### 8. Fluid Sight Glass

- Quickly check compressor lubricant levels

#### 9. Heater Connection

- Helps ensure compressor start-up even in the harshest environments

# CUSTOMIZE YOUR COMPRESSOR

## Options and Extras

- Refinery package

## Service Features and Options

- Fast evac oil change
- Maintenance kits available for service intervals from 50–2500 hours

**1600H RECOGNIZED FOR:**  
*Innovation*  
*Utility in the rental market*  
*Online audience engagement*



**10. Removable Drawbar for Towing and Fixed Jack Stand for Stability**

**11. Easy Transition to Aftercooled and Afterfiltered**  
*900XHH/1150XH aftercooled only*

# FEATURES AND BENEFITS

## Proven and Durable Packages

- Legendary Sullair 25-Series Air Ends
- Highway towable running gear
- Improved 1500-hour air-oil separator designs with lower compressor lubricant requirements
- Multiple lockable service doors

## Reliable Caterpillar C15 engines

- Tier 4 Final compliant
- Extended 500-hour engine oil service level

## 1600H

- 1600 cfm at 100 to 150 psi
- AWF® All Weather Fluid standard factory fill for compressor

## 900XHH/1150XH

- 900 cfm at 500 psi
- 1150 cfm at 350 psi
- HPL 1500 High Pressure Portable Lubricant standard factory fill for compressor

## Compact Design

- 20% smaller for easier maneuverability, storage and transit\*
- Nearly 2500 pounds lighter for easier tow and load\*
- Forklift pockets standard for ease of transport
- Two-machine loadability on step-deck trailer

## Improved Fuel Efficiency

- Approximately 20% lower part load fuel consumption\*
- 10% overall fuel consumption improvement\*
- Up to 10 hours of runtime from onboard fuel source
- Easy-operation valve to connect to an external fuel source for extended duty runtime

## Available With and Without Running Gear

**1600H: Available in Standard Air or Aftercooled and Afterfiltered**  
*Afterfiltered air meets Class 1 specifications per ISO8573-1*

**900XHH/1150XH: Available in Standard Air or Aftercooled**

## 7" Sullair Touch Screen Controllers (STS)

- In-depth compressor and engine performance information on demand
- Rugged touch screens work even when wearing gloves
- User access passcode
- Full color, digital displays

## Sullair AirLinX® — a Telematics Solution Providing:

- GPS to keep track of your machines via Internet-connected devices
- Fleet management
- Remote monitoring and troubleshooting

\* Compared to previous Sullair models

# TECHNICAL SPECIFICATIONS

FOR MORE INFORMATION, CONTACT YOUR LOCAL AUTHORIZED SULLAIR DISTRIBUTOR.

PERFORMANCE			
	900XHH / 1150XH		1600H
Actual Delivery <i>cfm (m<sup>3</sup>/min)</i>	900 (25.5)	1150 (32.6)	1600 (45.3)
Rated Pressure <i>psig (bar)</i>	500 (34.5)	350 (24.1)	150 (10.3)
Pressure Range, max/min <i>psig (bar)</i>	500 (34.5) / 200 (13.8)		150 (10.3) / 80 (5.5)
Service Valves, main/auxiliary	1 (2" NPT) / N/A		1 (3" NPT) / 2 (.75" NPT)
Cooling	Pressurized compressor fluid		
Lubricating Compressor Fluid	HPL 1500		AWF <sup>®</sup>
Compressor Fluid Capacity <i>gal (l)</i>	30 (114)		40 (151)
Maximum Operating Altitude <i>ft (m)</i>	12,000 (3658)		12,000 (3658)
Fuel Consumption Full Load <i>gal/h (l/h)</i>	24 (90.8)	24.5 (92.7)	24 (90.8)
Comp. Discharge Shutdown Temperature <i>°F (°C)</i>	300 (149)		250 (121)
Maximum Operating Tilt	15°		
Sound Level (U.S. EPA) <i>dbA</i>	76		
Ambient Capability <i>°F</i>	-20 to 120		
ENGINE			
Make (Emissions Level)	Caterpillar C15 Diesel (T4F)		
Displacement <i>in<sup>3</sup>/l</i>	928 (15.2)		
Cylinders	6		
Bore x Stroke <i>in (mm)</i>	5.4 (137) x 6.73 (171)		
Operating Speed <i>rpm</i>	1800		
Minimum Idle Speed <i>rpm</i>	1400		
Available Power <i>bhp (kW)</i>	540 (403)		
Electrical System <i>voltage</i>	24		
Battery Rating <i>CCA</i>	1700		
Alternator Rating <i>amp</i>	95		
Radiator Capacity <i>gal (l)</i>	21.6 (81.8)		
Engine Water Shutdown Temperature <i>°F (°C)</i>	219 (104)		
Fuel Tank Capacity <i>gal (l)</i>	249 (943)		
DEF Capacity <i>gal (l)</i>	12.8 (48.4)		
DTQ PACKAGE — INCLUDES RUNNING GEAR			
Working weight <i>lbs (kg)</i>	18,980 (8627)		19,085 (8657)
Dry weight <i>lbs (kg)</i>	17,164 (7802)		17,269 (7833)
Length <i>in (mm)</i>	239 (6071)		239 (6071)
Width <i>in (mm)</i>	88 (2235)		88 (2235)
Height <i>in (mm)</i>	101 (2565)		101 (2565)
Track width <i>in (mm)</i>	79.2 (2012)		79.2 (2012)
Axle rating <i>lbs (kg)</i>	9000 (4091)		9000 (4091)
Tire size	215/75R17.5		215/75R17.5
Tire pressure <i>psi (bar)</i>	125 (8.6)		125 (8.6)
Wheel size	17.5		17.5
Lug nut torque <i>lbf ft (N m)</i>	300 (407)		300 (407)
DLQ PACKAGE — LESS RUNNING GEAR			
Working weight <i>lbs (kg)</i>	17,472 (7942)		17,577 (7973)
Dry weight <i>lbs (kg)</i>	15,656 (7116)		15,761 (7149)
Length <i>in (mm)</i>	208 (5283)		208 (5283)
Width <i>in (mm)</i>	88 (2235)		88 (2235)
Height <i>in (mm)</i>	89 (2261)		89 (2261)