



# The Sullair Utility Compressors

**49HP, 185, 210H and 260 DUQ**

The Sullair 49HP, 185, 210H and 260 utility models are heavy duty rotary screw compressors designed and manufactured specifically for utility truck applications. The narrowest utility compressor available, these compact units require less chassis space for cross-bed mounting on your truck or equipment. While fork lift pockets, exposed single point lifting bail and large lift-off side panels facilitate installation and major maintenance, routine servicing items such as fluids and filters are readily accessible through a convenient curbside service door.



# The Compact Utility Compressor is Designed for Maximum Service, Convenience and Performance

## Performance

Sullair models 49HP, 185 and 260 deliver 185 and 260 cfm of air, respectively, at 100 psig. Controls can be adjusted for pressures ranging from 80 to 125 psig. The model 210H delivers 210 cfm of air at 150 psig.

## Engine

Power for the Sullair 49HP and 185 utility compressor is supplied by a 4-cylinder, water-cooled John Deere diesel engine; the 210H and 260 models feature a 5-cylinder, water-cooled John Deere diesel engine.

Designed to comply with Tier 2 and Stage 2 low emissions (49HP designed for Interim Tier 4 and Stage 3B) legislation, all compressors are equipped with integral fuel tanks and a heavy duty battery which provides ample cold-cranking power. The aluminized steel muffler is resistant to rust and corrosion and is protected by a rain cap.

## Compressor

The 49HP, 185, 210H and 260 high performance utility compressors are designed around the Sullair rotary screw compressor unit, recognized for its outstanding reliability and

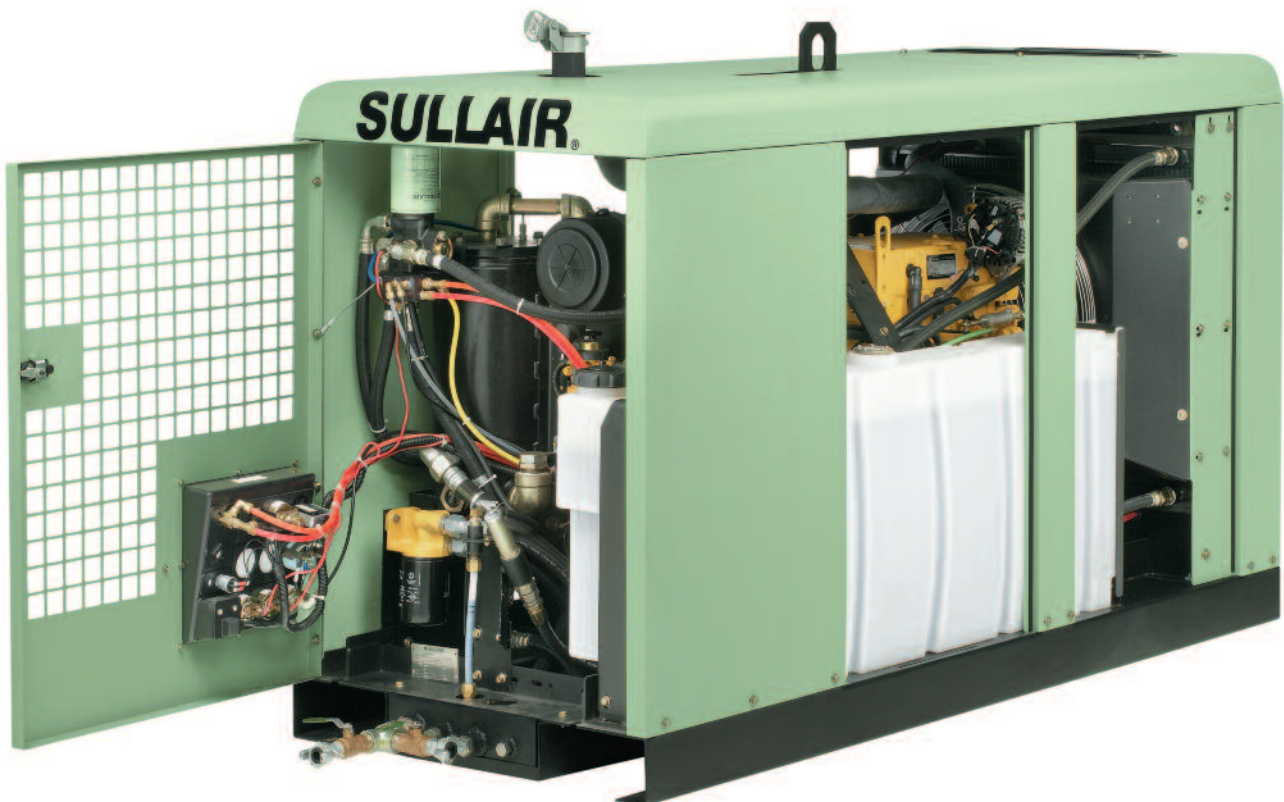
superior quality. The only major moving parts are the two asymmetrical lobe profile rotors. Contact occurs only on a lubricated pitch line, so wear is virtually eliminated. The Sullair air end is equipped with tapered roller bearings for high load-carrying capacity. As a result, maximum performance and efficiency are built into every compressor.

The compressors' simplified capacity control system consists of a pneumatic inlet valve and unloaded starting.

Automatic compressor fluid temperature control system provides fast warm-up and constant fluid temperature. Minimum pressure device and check valve assures correct pressure in the air-fluid receiver. ASME pressure relief valve on the receiver relieves excessive pressure.

## Air End Warranty

While the Sullair air end is offered with a two-year warranty as standard, those units that are continually serviced at the recommended intervals with Sullair AWF Compressor fluid and Sullair filters are covered by a five-year or 10,000-hour warranty.



### Service Accessible

Hinged, padlockable door provides unrestricted eye level access for routine curbside service of engine and compressor components. Full-flow compressor fluid filter with replaceable spin-on fiber glass element and engine oil filter are easily changed. The separate two-stage, dry-type intake air filters for engine and compressor are also readily accessible. In addition, the engine fuel fill, engine oil fill, compressor fluid fill and compressor fluid sight glasses are mounted at eye level for easy monitoring and filling.

### Protective Controls

An efficient Shutdown System and Annunciation Module (SSAM), with annunciator light provides automatic shutdown in the event of high compressor temperature, high engine coolant temperature, and low engine oil pressure or engine underspeed.

### Remote Engine and Compressor Fluid Drains

Convenient curbside O-ring plug fittings are provided for draining and easy servicing of compressor lubricant, engine oil and coolant.

### Installation

Full-length forklift pockets and exposed single point lifting bail (positioned for even balance) facilitate easy removal from trucks frames for complete maintenance.

### Curbside Instrument Panel

Featuring an aluminum hinged padlockable door, this eye level panel contains a full range of instruments, including air pressure gauge, hourmeter, voltmeter, engine oil pressure gauge, engine coolant temperature gauge and compressor discharge temperature gauge. Add to this the convenience of a rocker type ignition switch, idle warm-up valve and a glow plug starting aid. The 210H model also contains a high/low pressure selector valve. Optional instrument panel illumination is available for round-the-clock use.

### Corrosion Resistant Enclosure

Fabricated from rugged Galvanneal exterior sheet metal, the compressor is finished with a durable baked-on powder coat paint that resists impact chipping and corrosion. Other features that help reduce exterior maintenance and extend service life include plated fittings and hardware, and an aluminum instrument panel door.





# Specifications

Model	49HPDUQ	185DUQ	210HDUQ	260DUQ
<b>Capacity Delivery</b>	<b>160 cfm @ 100 psig</b> 76 l/s @ 7 bar 4.5 m <sup>3</sup> /min @ 7 bar	<b>185 cfm @ 100 psig</b> 87 l/s @ 7 bar 5.2 m <sup>3</sup> /min @ 7 bar	<b>210 cfm @ 150 psig</b> 99 l/s @ 10 bar 5.9 m <sup>3</sup> /min @ 10 bar	<b>260 cfm @ 100 psig</b> 123 l/s @ 7 bar 7.4 m <sup>3</sup> /min @ 7 bar
<b>Engine Type</b>	<b>Diesel</b>	<b>Diesel</b>	<b>Diesel</b>	<b>Diesel</b>
<b>Make</b>	<b>John Deere</b>	<b>John Deere</b>	<b>John Deere</b>	<b>John Deere</b>
<b>Model</b>	<b>4024T</b>	<b>4024T</b>	<b>5030T</b>	<b>5030T</b>
<b>Displacement</b>	<b>149 in<sup>3</sup></b> 2443 cc	<b>149 in<sup>3</sup></b> 2443 cc	<b>186 in<sup>3</sup></b> 3049 cc	<b>186 in<sup>3</sup></b> 3049 cc
<b>Cylinders</b>	<b>4</b>	<b>4</b>	<b>5</b>	<b>5</b>
<b>Bore x stroke</b>	<b>3.39 x 4.13 in</b> 86 x 105 mm	<b>3.39 x 4.13 in</b> 86 x 105 mm	<b>3.39 x 4.13 in</b> 86 x 105 mm	<b>3.39 x 4.13 in</b> 86 x 105 mm
<b>Rated Speed</b>	<b>2800 rpm</b>	<b>2800 rpm</b>	<b>2500 rpm</b>	<b>2500 rpm</b>
<b>Rated Power</b>	<b>49 hp</b> 36.5 kW	<b>60 hp</b> 45 kW	<b>84 hp</b> 63 kW	<b>84 hp</b> 63 kW
<b>Weight</b>				
<b>Dry</b>	<b>1795 lbs</b> 814 kg	<b>1795 lbs</b> 814 kg	<b>1925 lbs</b> 873 kg	<b>2140 lbs</b> 971 kg
<b>Wet</b>	<b>1965 lbs</b> 891 kg	<b>1965 lbs</b> 891 kg	<b>2095 lbs</b> 950 kg	<b>2310 lbs</b> 1048 kg
<b>Dimensions</b>				
<b>Length</b>	<b>84 in</b> 2134 mm	<b>84 in</b> 2134 mm	<b>84 in</b> 2134 mm	<b>84 in</b> 2134 mm
<b>Height (top of canopy)</b>	<b>47 in</b> 1194 mm	<b>47 in</b> 1194 mm	<b>47 in</b> 1194 mm	<b>47 in</b> 1194 mm
<b>Height (over muffler)</b>	<b>51 in</b> 1296 mm	<b>51 in</b> 1296 mm	<b>51 in</b> 1296 mm	<b>51 in</b> 1296 mm
<b>Width</b>	<b>33.5 in</b> 851 mm	<b>33.5 in</b> 851 mm	<b>33.5 in</b> 851 mm	<b>33.5 in</b> 851 mm

Capacity per CAGI/PNEUROP PN2CPTC3. (Annex D to ISO 1217)

## Additional Features

### Compact Package

- Designed for cross-mounting on utility-type trucks
- Fork lift pockets and exposed single point lifting bail facilitate installation and maintenance, easily removed from truck

### 0 to 100% Capacity Control

- Pneumatic inlet valve and unloaded starting
- Color-coded control lines

### Low Emission Engine Technology

- Engine complies with Tier 2 and Stage 2 emission legislation
- 49HP DUQ complies with iT4 and Stage 3B emissions legislation

## Corrosion Resistant Enclosure

- Galvanneal exterior sheet metal
- Plated fittings and hardware
- Aluminum instrument panel door
- Durable baked-on powder coat paint finish

## Two-Stage Dry Type Air Filters

- Separate filters for engine and compressor

## Dual Fuel Filtration System

- Primary fuel-water separator with transparent bowl and water drain
- Final filter with drain

## AWF Compressor Fluid

- All-weather, all-climate fluid

## Options

Sullair's options allow you to customize the compressor to meet your specific requirements without paying for items you do not need:

- Special paint
- Air filter maintenance indicators
- Spark arrestor muffler
- Block heater
- Illuminated instrument panel
- Auxiliary PTO Drive (210H and 260)
- Fuel level gauge
- Low fuel shutdown
- Tachometer



**Sullair**  
3700 East Michigan Boulevard  
Michigan City, IN 46360  
Telephone: 219-879-5451  
[www.sullair.com](http://www.sullair.com)

© Copyright 2012 Sullair. All rights reserved.  
The color green is a registered trademark of Sullair.  
Specifications subject to change without notice.  
**SSL-1170 1211R**



The paper used in printing this literature was manufactured using recycled fiber, either pre-consumer or post-consumer waste, therefore less harmful to the environment because less virgin fiber is used, thereby reducing tree harvesting, water usage, energy consumption, emission of greenhouse gases and pollution.



Like us on Facebook.