

# SULLAIR 185

## Portable Lubricated Rotary Screw Air Compressors

185 Kubota T3 and 185 Caterpillar iT4  
185 cfm at 100 psig — 5 m<sup>3</sup>/min at 7 bar



 **SULLAIR**<sup>®</sup>  
*Always air. Always there.*<sup>®</sup>

# 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.*

***Sullair is a Hitachi Group Company.***

## 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**

14 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

# THE WORKHORSE OF OUR ELITE MOBILE FLEET

## SULLAIR 185

The Sullair 185 is fully optimized  
and ready to hit the road.



Sullair 185 with Kubota T3 Engine



Sullair 185 with Caterpillar iT4 Engine

### ENGINE OPTIONS AVAILABLE

- Caterpillar C2.2 (Interim Tier 4 emissions compliant)
- Kubota V2403 Naturally Aspirated (Tier 3 emissions compliant)

### CLAM SHELL CANOPY

- Canopy opens fully with gas assist springs
- Serviceable components within easy reach for simplified maintenance

### CORROSION RESISTANT ENCLOSURE

- Galvanneal sheet metal with composite end caps and fenders
- Stainless steel hinges and latches, plated fittings and hardware
- Aluminum instrument panel door
- Durable, baked-on powder coat finish

### HIGHWAY TOWABLE RUNNING GEAR

- Independent rubber torsion suspension
- Axle offers convenient wheel bearing lubrication through zerk fittings
- 3" square drawbar
- Adjustable height hitch
- Screw jack with pad
- Transport security chains

### CURBSIDE INSTRUMENT PANEL

- Hinged, padlockable cover
- Mechanical air pressure gauge and hour meter
- Rocker type engine start switch with emergency stop
- Idle warm-up valve
- Glow plug starting aid

### SSAM — SHUTDOWN SYSTEM & ANNUNCIATION MODULE

- Shutdown with annunciator light for high compressor temperature, high engine coolant temperature, low engine oil pressure and engine underspeed

### CAPACITY CONTROL SYSTEM

- Pneumatic inlet valve and unloaded starting
- Color coded control lines
- Heated controls to prevent freezing

### 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

### WARRANTY

- 1 year standard warranty
- 2 year standard air end warranty
- 5 year or 10,000 hour air end warranty when continuously serviced at the recommended intervals with Sullair AWF® compressor fluid and filters
- Diesel engine warranty applies — contact Sullair for more information

# TECHNICAL SPECIFICATIONS

MODEL	185 (iT4)	49HP (T3)
<b>PERFORMANCE</b>		
Actual Delivery <i>cfm (m<sup>3</sup>/min)</i>	185 (5.2)	185 (5.2)
Rated Pressure <i>psig (bar)</i>	100 (7)	100 (7)
Pressure Range, min <i>psig (bar)</i>	80 (5.5)	80 (5.5)
Pressure Range, max <i>psig (bar)</i>	125 (8.6)	125 (8.6)
Fuel Consumption 100% Load <i>gph (l/h)</i>	3.4 (12.9)	2.5 (9.5)
Max. Operating Altitude <i>ft (m)</i>	11,000 (3353)	12,000 (3657)

<b>ENGINE</b>		
Make & Model	CAT C2.2 (iT4)	Kubota V2403 (T3)
Operating Speed <i>rpm</i>	2800	2700
Available Power <i>bhp (kW)</i>	61 (45.5)	49 (36.5)
Displacement <i>in<sup>3</sup> (cc)</i>	134 (2196)	146 (2400)
Cooling System Capacity <i>gal (l)</i>	2.5 (9.5)	2.75 (10.4)
Engine Oil Capacity <i>qts (l)</i>	11.2 (10.6)	7.3 (6.9)
Fuel Tank Capacity <i>gal (l)</i>	20 (75.7)	27 (102.2)
Electrical System Voltage	12	12

<b>COMPRESSOR</b>		
Service Valves <i>No. &amp; (Size)</i>	2 (¾")	2 (¾")
Compressor Oil Capacity <i>gal (l)</i>	3 (11.4)	2.1 (7.9)

<b>DIESEL PORTABLE QUIET (DPQ)</b>		
Working Weight <i>lbs (kg)</i>	2130 (966)	2175 (987)
Dry Weight <i>lbs (kg)</i>	1990 (903)	1960 (889)
Length including drawbar <i>in (mm)</i>	130.8 (3322)	130.8 (3322)
Width <i>in (mm)</i>	59.2 (1504)	59.2 (1504)
Height <i>in (mm)</i>	53.9 (1369)	58 (1473)
Track Width <i>in (mm)</i>	50.9 (1294)	50.9 (1294)
Max Towing Speed <i>mph (km/h)</i>	55 (89)	55 (89)
Axle Rating <i>lbs (kg)</i>	3700 (1678)	3700 (1678)
Tire Size	ST175/80D13	ST175/80D13

<b>LESS RUNNING GEAR (DLQ)</b>		
Working Weight <i>lbs (kg)</i>	1885 (855)	1930 (876)
Dry Weight <i>lbs (kg)</i>	1745 (792)	1735 (787)
Length <i>in (mm)</i>	72.5 (1842)	79.3 (2014)
Width <i>in (mm)</i>	40.7 (1034)	40.7 (1034)
Height <i>in (mm)</i>	44.5 (1130)	45.9 (1166)

For more information, contact your local authorized Sullair distributor.