



SULLAIR 185

Portable Lubricated Rotary Screw Air Compressors

185 Caterpillar – Tier 3

5.2 m³/min at 7 bar • 185 cfm at 100 psi



ABOUT SULLAIR

Sullair is a Hitachi Group company and is a global leader in oil-free and oil-injected air compressors and accessories that delivers robust, reliable, and energy-efficient compressed air solutions that are fit for harsh Australian conditions. Known for our outstanding technical knowledge and engineering acumen as well as personal relationships, Sullair works with some of Australia's most prominent brands across manufacturing, mining, food and beverage, pharmaceuticals, engineering, and utilities – and has done so for over 50 years.

Sullair Australia proudly supplies Hitachi, ShopTek, Champion, and Sullair product brands, and is committed to providing best-in-industry product innovation and localised service and support to keep your business running optimally through our eight branch offices including Melbourne, Newcastle, Sydney, Brisbane, Mackay, Perth, Adelaide and Townsville.

RELIABILITY.
DURABILITY.
PERFORMANCE.

These are the pillars that drive the quality of Sullair compressors. It's a promise we keep with every machine we make.

RELIABILITY

Customers who work with Sullair have found that the intangibles make all the difference – things like trust, confidence, and peace of mind. They go to work every day having full faith in their equipment, as well as the knowledge that dedicated distributors and Sullair personnel have their back every step of the way.

DURABILITY

Bulletproof. Built to last. However you spin it, Sullair compressors are in it for the long haul, driven by the design of the legendary air end. At jobsites all over the world – from construction to mining and more – you'll find Sullair compressors that have stood the test of time, running consistently today like they did on day one.

PERFORMANCE

Sullair is constantly innovating to improve performance. For our portable compressors, this means machines engineered with features designed to help maximise your business potential including:

- Compact designs for easier storage and maneuverability
- Increased energy efficiency to maximise run time
- And our larger compressors include easy access connections to external fuel sources making long-term operation possible

THE WORKHORSE OF OUR ELITE MOBILE FLEET

SULLAIR 185

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



Sullair 185 with CAT T3 Engine

Engine

- Caterpillar C2.2 (Tier 3 emissions compliant)

Additional features

- Fully contained frame to hold 110% of fluid capacity
- All service fluids can be externally drained.
- Integrated moisture separator
- Electrical isolator
- Padblockable canopy
- Aftercooled machine suitable for operation at ambient temperature up to 50°C
- Thermally insulated exhaust components for added user safety

Clam Shell Canopy

- Canopy opens 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
- Durable, baked-on powder coat finish

Highway Towable Running Gear

- Independent torsion suspension
- 100mm square drawbar
- Australian designed and assembled ALKO running gear
- Transport security chains

Rear Instrument Panel

- Easy-access emergency stop
- Glow plug starting aid

Capacity Control System

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

Sullair Digital Controller with Backlit LCD Display

- Automatic start-up with auto warm-up time before loading and auto cool-down time before stopping
- Easy-to-read display of important compressor parameters
- Fuel level indicator with low fuel shut down

External Spin on Separation System

- Easy-to-replace air-oil separator element for quick and easy service

Two-Stage Dry Type Air Filters

- Separate filters for engine and compressor
- Safety element

Dual Fuel Filtration System

- Primary fuel/water separator with transparent bowl and water drain
- Secondary fuel 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

FOR MORE INFORMATION, CONTACT YOUR LOCAL SULLAIR BRANCH OR CALL ON 1800 266 773

MODEL		DLQ185K AC	DPQ185K AC
COMPRESSOR PERFORMANCE			
Rated Pressure <i>bar (psig)</i>		6.9 (100)	
Work Pressure Range <i>bar (psig)</i>		5.5-8.6 (80-125)	
Nominal Capacity <i>m³/min (acfm)</i>		5.2 (185)	
Sound Noise Level at 7 Meter <i>dB(A)</i>		77.5	
Dimensions <i>L×W×H(mm)</i>		1967x1105x1250	3198x1508x1484
Weight, 10L Diesel (TARE) <i>kg (lbs.)</i>		820 (1808)	970 (2138)
Weight, Wet (ATM) <i>kg (lbs.)</i>		890 (1962)	1040 (2292)
Min. Turning Radius <i>m</i>		N/A	
Work Environment Temp. Range <i>°C</i>		0-50	
Track Width <i>mm (inches)</i>		N/A	1450 +50 (57 +2)
Tire Size		N/A	165R13LT
Tire Pressure <i>kPa (psi)</i>		N/A	413 (60)
Axle Load capacity <i>kg (lbs.)</i>		N/A	1150 (2535)
Max. Operation Tilt <i>(°)</i>		15	
Max Work Altitude <i>m(ft)</i>		3000 (9842.5) (Read comment 3 below)	
Discharge Connection <i>(Qty)</i>		2 x ¾" NPT (Claw Type A couplings supplied)	
ENGINE			
Manufacture		CAT	
Model		C2.2	
Rate Speed, Full load/Idle <i>rpm</i>		2700/2200	
Horsepower <i>kW(BHP)</i>		44.2 (60)	
Cylinders		4	
Displacement <i>L(in³)</i>		2.2 (140)	
Fuel rate <i>L/h (gal/h)</i>	100% load	11.8 (3.12)	
	75% load	8.3 (2.19)	
	50% load	7.5 (1.98)	
	25% load	6.9 (1.82)	
Coolant Capacity <i>L(U.S. gal)</i>		10 (2.6)	
Engine oil Capacity <i>L(U.S. gal)</i>		8.3 (2.19)	
Fuel tank Capacity <i>L(U.S. gal)</i>		102 (27)	
Working Voltage <i>Volt</i>		12	
Battery Reserved Capacity <i>(RC) min</i>		160	
Battery Low-temperature Starting-up Current <i>(ACC) A</i>		750	
UNIT			
Power at Rated Pressure Shaft <i>kW (BHP)</i>		32 (43)	
L/D Ratio		1.47	
VI		4.5	
COOLING DATA			
Fluid Flow <i>L/min(gpm)</i>		42.4 (11.2)	
Heat Rejection - Fluid <i>Clr. kW(BTU/min)</i>		23.8 (1353)	
Heat Rejection <i>Aft. Clr. kW(BTU/min)</i>		4.9 (279)	
Radiator Flow <i>L/min(gpm)</i>		84.5 (22.3)	
Heat Rejection <i>Radiator kW(BTU/min)</i>		35.7 (2030)	
Fan Capacity <i>m³/min (scfm) at Rated Speed & Static 500Pa</i>		214 (7557)	
Fan Horsepower <i>kW(BHP)</i>		6.65 (8.9)	
AIR/FLUID RECEIVER			
Fluid Fill Capacity <i>Liter (U.S. Gal.)</i>		11.5 (3.1)	
A/O Separator Total Volume <i>Liter (U.S. Gal.)</i>		18 (4.8)	
Design Operating Pressure <i>bar(psig)</i>		13.8 (200)	

NOTE: 1) Data subject to change without notice – 2) Discharge Capacity per GB3853 (equivalent ISO 1217) – 3) Max Work Altitude – Consult Sullair for options



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