

D185T4F



Rotair D185T4F Ultra Silent Portable Diesel Air Compressor

The new Rotair® D185T4F is a 185 ft³/min portable diesel air compressor that is Tier 4 Final compliant, which means that it meets the latest EPA requirements for low emissions, and will meet, or exceed, any bid spec or other requirement that addresses emissions.

Unlike many other Tier 4 Final products, the Rotair® D185T4F takes a minimalist approach to meeting stringent, Tier 4 Final covenants. While some other manufacturers may modify an engine that was designed before the EPA Tier program, utilizing sophisticated electronics and complicated after-treatment methods, that require service, the Rotair® D185T4F starts with an engine that was designed from the ground up for EPA Tier 4 Final compliance.



The new Kohler KDI diesel utilizes only a small catalytic converter that is about the size of a large bagel to meet or exceed the EPA's toughest rules. The majority of the emission control on the new Kohler diesel is accomplished through the design of the combustion chamber. With the new Kohler KDI diesel engine, EPA compliance is not just an after-thought.....It is inherent.

The Rotair® D185T4F utilizes a Rotair®, twin rotary screw air-end that turns at an effortless 2600 rpm, which reduces heat and noise, and also increases the life of rotor surfaces and end bearings. In fact, Rotair® is so confident that the D185T4F's air-end will be the last of your worries, or theirs, they protect the air-end, and mechanical coupling for Five Years, with Unlimited Hours. This warranty is absolutely free and does not require enrollment. And, unlike many competitors who offer extended warranties for an additional cost, Rotair® does not require the use of expensive proprietary lubricants.

All Rotair® Compressors are built to last, and the D185T4F is no exception. It features an all-steel canopy that, when opened, provides complete accessibility to the engine compartment and air production system. No compressor on today's market is more accessible. And, with spin-on compressor and separator tank filters, service turn-around is simply the fastest of any compressor sold in North America.

Other Rotair® features include a heavy-duty running gear with U.S. spec wheels and tires, and a smooth running torsion axle. "Automatic Intelligence" is a standard system that provides a short warm up and circulation cycle and prevents pressurized shut-down, which can lead to extreme inconvenience and even damage.

Powerful Solutions. Proven Results.

Generators • Light Towers • Highway Safety Equipment • Fuel Trailers • Surveillance Equipment • Air Compressors

Rotair® also paid close attention to safety. For example, the control panel is located curb-side, away from traffic, and gives the operator a clear view of oncoming vehicles.

All Rotair® compressors are designed for performance and efficiency, and the Rotair® D185T4F shares that philosophy. No 185 cfm, Tier 4 Final compressor is quieter, more fuel efficient, easier to maintain, more compact or more reliable. In 91 countries, in the world's most extreme and severe conditions, Rotair® compressors are running daily, providing maximum up-time and the highest levels of productivity in the industry.

Rotair®'s new D185T4F was conceived and designed in the U.S. by rental professionals with over 100 years of combined experience.

The new Rotair® D185T4F is designed to be durable, fuel efficient, highly accessible, quiet and reliable. The objective is to generate maximum revenue for the rental company owner by keeping satisfied customers coming back, and asking for Rotair®, again and again.

At the heart of the Rotair® D185T4F is the new Kohler KDI1908TCR diesel engine that meets stringent EPA Tier 4 Final requirements, without a costly DPF filtration system. It is one of the first industrial diesel engines that is designed from the ground up, with a clean sheet of paper, to meet the new stringent EPA Tier 4 Final emission requirements. Couple the new Kohler diesel with Rotair®'s Low-Speed Air-End, which is warranted for 5-Years, with unlimited hours, and you have a new standard for performance and reliability.

Rotair® Compressors are the new choice for today's market.

COMPRESSOR SPECIFICATIONS

Free Air Delivery 185 ft³/min
Working Pressure 100 psi
Air Outlets 3/4 in. x 2
Air End Type Low Speed Screw
Air End Operating Speed 2600 rpm
Idle Speed 1700 rpm
Air Intake Filtering Dry-Type Element
Separator Filter Spin-On Cartridge

ENGINE SPECIFICATIONS

Diesel Engine Model Kohler KDI1908TCR
EPA Tier Tier 4 Final
Number of Cylinders 3
Displacement 1.9 L
Cooling Liquid
Injection System Direct
Aspiration Turbocharged
Engine Oil Capacity 9 quart
Air Intake System Two-Stage Dry
Horsepower 56.3 hp
Average Fuel Consumption @ 60% 1.85 gal/h

GENERAL SPECIFICATIONS AND DIMENSIONS

Fuel Tank Capacity 23.25 gal
Axle Type Torsion
Drawbar Type Square Tube Straight Steel
Hitch Type Adjustable Ball or Pintle Eye
Fenders Corrosion Proof Flex-Edge®
Trailer Lighting Recessed Press-In
Latches Stainless Steel Lockable
Hinges Treated Steel
Canopy All-Steel Clamshell (Full Access)
Electrical Connection Heavy-Duty RV Type
Length without Drawbar 80.25 in
Length with Drawbar 125.5 in
Width 60.5 in
Height 58 in
Dry Weight 1980 lb
Warranty Five-Year, Unlimited Hour Air-End/Drive Coupling Warranty

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FEATURES & BENEFITS

- 185 ft³/min @ 100 psi
- EPA Tier 4 Final
- Designed in the U.S. by Rental Professionals
- New Kohler KDI1908TCR EPA Tier 4 Final Diesel Engine provides quiet and efficient power while not requiring a costly DPF System
- Low-Speed Air-End spins at a maximum of 2600 rpm, reducing heat and virtually eliminating rotor and bearing failures
- Curb-Side Mounted Control Panel and Adjacent Air Valves provide convenient operation and maximum operator safety
- 23.25 Gallon Steel Fuel Tank provides for more than a full shift of run time and resists cracking, splitting, deformation and discoloration
- Formed Steel Flex-Edge® Fenders ensure ultimate strength, durability and resilience
- Automatic Glow Plug System for easy starts in cold weather
- "Intelligent System" automatic load and unload feature prevents accidental loaded shutdown, and blowback
- Minimum Pressure Check Valve on air outputs prevents back-feeding of solids or liquids
- Heavy-Duty Running Gear with Torsion Axle and Square-Tube Drawbar
- Concealed and Balanced Lifting Eye for safe lifting of machine
- Easily Replaceable Push-In Running Lights with Protective Steel Bumper
- Separate Engine Air/Compressor Intake Filters

NOTE

Specify Ball or Pintle Eye Hitch.

Front Mounted Tool Box available as Option. Call for Other Options.

Specifications subject to change without notice

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