

**ROTAIR®**

powerful > compact

# DS 185 T4F



- › Industry leading compact, box-type design.
- › Electro-galvanized bodywork and chassis with advanced painting procedure to grant an excellent preservation through time.
- › One-Side Service design with Spin-on oil and separator filters for ease of maintenance
- › Curbside mounted control panel, adjacent air valves and fluid drains for convenient operation and maximum operator safety.

- › Steel fuel tank, resists cracks, splitting and deformation.
- › Quiet and efficient Kubota Stage 3A engine, without costly DPF System.
- › Exclusive pneumatic control system, developed by ROTAIR, to adjust automatically engine revs, depending on the air to be delivered. This system is highly reliable and ensures fuel consumption saving.
- › Start/Stop "INTELLIGENT SYSTEM", exclusive from ROTAIR, to prevent the risk of incorrect procedures during specific functioning.
- › Lifting hook for crane handling.
- › Palletized, can be handled with forklift from all sides

# Technical Data

## dimensions >

L = 68.11"

W = 32.91"

H = 43.01"

## weight >

1962 lbs

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## COMPRESSOR

Operating pressure	100 psi
Free air delivery	185 cfm
Minimum working pressure	73 psi
Drive system engine-airend	Direct Drive
Compressor cooling system	Air / Oil
Oil cooling capacity	2.83 gal
Air outlet temperature	105°F + Ambient temperature
Outlet valves	2 x 3/4"
Battery capacity	12V 100Ah 790A
Fuel tank capacity	22.45 gal.
Consumes	1.64 gph (13,7 working hours)

## DIESEL ENGINE / ENVIRONMENTAL CONDITIONS

Engine make	KOHLER
Engine type	KDI 1903 TCR
Engine system	4 strokes - Turbo Intercooler Common Rail
Displacement	1903 cc
N. cylinders	3
Aspiration	Turbo Intercooler
Max engine power @2600 RPM	49.0 HP
Max engine speed	2600 RPM
Min engine speed	1700 RPM
Cooling system	Water
Cooling system capacity	3.70 gal
Lubrication system	Oil
Lubrication system capacity	2.57 gal
Max ambient temperature	122°F
Max altitude	5905 ft a.s.l.
Min working temperature	14°F

- › Air/oil separator filter, element inside separator tank, can guarantee an excellent air/oil separation.
- › The air and oil filters of the compressor and the air and oil filters of the engine are independent.
- › Spin-on engine and compressor oil filters for faster and easier maintenance.
- › Single stage oversized air filter for compressor part, to guarantee good filtering of the air intake by airend. Two-stage air filter for engine part.
- › Combined radiator allowing both compressor oil cooling and engine liquid cooling.

