

ROTAIR®

supersilent ›

MDVN

powerful › compact

83 Eco5



› SKID ADAPTOR

- › Design with modern, slender and aggressive line.
- › Electro-galvanized bodywork and chassis with advanced painting procedure to grant an excellent preservation through time.
- › Compact dimensions for easy handling and optimum dimensions / delivered power ratio.
- › Light weight.
- › Kohler Stage V-Tier Final compliant, with aftertreatment system DOC+DPF
- › Full accessibility for easy and rapid maintenance and service.
- › European homologation for road circulation with and without brakes.
- › 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.

Technical Data

dimensions >

L = 3491 mm / 137.44"

W = 1580 mm / 62.2"

H = 1682 mm / 66.23"

weight >

1320 kg / 2910 lbs (without brakes)

1395 kg / 3075 lbs (with brakes)

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NEW TYPE

COMPRESSOR

Operating pressure	7 bar 102 psi	10 bar 145 psi	12 bar 174 psi
Free air delivery	8000 lt/min 282 cfm	6400 lt/min 226 cfm	5600 lt/min 198 cfm
Minimum working pressure	5 bar - 73 psi		
Drive system engine-arend	Direct Drive		
Compressor cooling system	Air / Oil		
Oil cooling capacity	16 l - 3.52 UK gal		
Air outlet temperature	40°C - 105°F + Ambient temperature		
Outlet valves	2 x 3/4" + 1 x 1"		
Noise level EECno 2000/14	< 98 LWA		
Battery capacity	12V cc - 750A-80Ah (EN)		
Fuel tank capacity	140 lt - 30.80 UK gal		
Consumes	13,4 lt/h @ 100% - 7,2 lt/h @ 60% 2.95 UK gal/h @ 100% - 1.58 UK gal/h @ 60%		

DIESEL ENGINE / ENVIRONMENTAL CONDITIONS

Engine make	KOHLER
Engine type	KDI 2504-TCR St V
Engine system	4 strokes - Inline - Indirect Injection
Emissions	Stage V / Tier 4 Final
Filtration	DOC + DPF
Displacement	2482 cc
N. cylinders	4
Aspiration	Turbo
Max engine power @2600 RPM	55,4 kW - 75.3 HP
Max engine speed	2100 RPM
Min engine speed	1700 RPM
Cooling system	Water
Cooling system capacity	18 lt - 3.96 UK gal
Lubrication system	Oil
Lubrication system capacity	9 lt - 1.98 UK gal
Max ambient temperature	50°C - 122°F
Max altitude	1800 m s.n.m.
Min working temperature	-10°C / 14°F



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EXPERIENCE

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- › Air/oil separator filter, highly oversized, 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.
- › 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.

