

ROTAIR®

supersilent ›

MDVN

powerful › compact

46-53 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.
- › Filters "spin-on" type for quick maintenance.
- › 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 = 3122 mm / 122.9"
W = 1520 mm / 59.8"
H = 1490 mm / 58.7"

weight >

960 kg / 2116 lbs (without brakes)
1035 kg / 2282 lbs (with brakes)

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COMPRESSOR

	7 bar 102 psi	10 bar 145 psi	12 bar 174 psi
Operating pressure			
Free air delivery	4500 lt/min 159 cfm	3650 lt/min 129 cfm	3400 lt/min 120 cfm
Minimum working pressure	5 bar - 73 psi		
Drive system engine-arend	Direct Drive		
Compressor cooling system	Air / Oil		
Oil cooling capacity	10,7 lt - 2.35 UK gal		
Air outlet temperature	40°C - 105°F + Ambient temperature		
Outlet valves	2 x 3/4"		
Noise level EECno 2000/14	< 98 LWA		
Battery capacity	12V cc - 750A-100Ah (EN)		
Fuel tank capacity	88 lt - 19.36 UK gal		
Fuel tank capacity	10.8 lt/h @ 100% - 6.5 lt/h @ 60% 2.38 UK gal/h @ 100% - 1.43 UK gal/h @ 60%		

DIESEL ENGINE / ENVIRONMENTAL CONDITIONS

Engine make	KOHLER
Engine type	KDI 1903 TCR St V
Engine system	4 strokes - Inline - Indirect Injection
Emissions	Stage V / Tier 4 Final
Filtration	DOC + DPF
Displacement	1903 cc
N. cylinders	3
Aspiration	Turbocompress
Max engine power @2600 RPM	36,5 kW - 49.0 HP
Max engine speed	2450 RPM
Min engine speed	1700 RPM
Cooling system	Water
Cooling system capacity	14 lt- 3.08 UK gal
Lubrication system	Oil
Lubrication system capacity	9,75 lt - 2.14 UK gal
Max ambient temperature	45°C - 113°F
Max altitude	1800 m s.n.m.
Min working temperature	-10°C / 14°F

	7 bar 102 psi	10 bar 145 psi	12 bar 174 psi
Operating pressure			
Free air delivery	5000 lt/min 177 cfm	4900 lt/min 175 cfm	3700 lt/min 132 cfm
Minimum working pressure	5 bar - 73 psi		
Drive system engine-arend	Direct Drive		
Compressor cooling system	Air / Oil		
Oil cooling capacity	10,7 lt - 2.35 UK gal		
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Outlet valves	2 x 3/4"		
Noise level EECno 2000/14	< 98 LWA		
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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.

