

ROTAIR



MDVN 53 ECO 5

Conceived for cable laying



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.

LIGHT WEIGHT AND COMPACT DIMENSIONS FOR EASY HANDLING AND OPTIMUM DIMENSIONS / DELIVERED POWER RATIO.

Special **FIBRE OPTIC** range

- › 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.
- › 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.



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L = 3122 mm / 122.9"
W = 1520 mm / 59.8"
H = 1490 mm / 58.7"

960 kg / 2116 lbs (without brakes)

1035 kg / 2282 lbs (with brakes)

COMPRESSOR

Operating pressure (*)	7 bar - 102 psi 10 bar - 145 psi 12 bar - 174 psi 14 bar - 203 psi
Free Air Delivery	5.2 m ³ - 185 cfm 4.9 m³ - 175 cfm 3.7 m ³ - 132 cfm 3 m³ - 106 cfm
Minimum working pressure	5 bar - 73 psi
Drive system engine-aiend	Direct drive
Compressor cooling system	Air / Oil
Oil cooling capacity	10,7 lt - 2.35 UK gal
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

DIESEL ENGINE

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 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

QUALITY OF AIR

Oil in air	1-3 PPM
Compressed air temperature	Ambient +40°C +72°F Ambient +5°C +9°F (PLUS AFTERCOOLER)

ENVIRONMENTAL CONDITIONS

Max altitude	1800 m a.s.l.
Min/Max working temperature	-10°C / +50°C 14°F / 122°F