



MDVN 83 Eco5



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.

- › 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.
- › 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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1320 kg / 2910 lbs (without brakes)
 1395 kg / 3075 lbs (with brakes)
 1330 kg / 2932 lbs (with skid adapters)

COMPRESSOR

Operating pressure	7 bar 102 psi	10 bar 145 psi	12 bar 174 psi
Free Air Delivery	8000 lt/min 283 cfm	6400 lt/min 226 cfm	5600 lt/min 198 cfm
Minimum working pressure	5 bar - 73 psi		
Drive system engine-airend	Direct drive		
Compressor cooling system	Air / Oil		
Oil cooling capacity	16 lt - 3.52 UK gal		
Outlet valves	2 x 3/4"+ 1 x 1"		
Noise level EECno 2000/14	< 98 LWA		
Battery capacity	12V cc - 950A - 132Ah (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

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 @2100 rpm	55 kW - 74,8 CV
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	11 lt - 2.42 UK gal

QUALITY OF AIR

Oil in air	≤ 3 PPM
Compressed air temperature	Ambient +40°C +72°F

ENVIRONMENTAL CONDITIONS

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