



MDVN 100 K



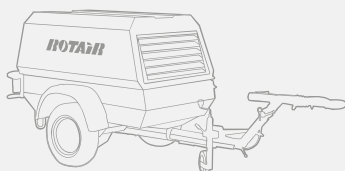
**DESIGN WITH MODERN, SLENDER
AND AGGRESSIVE LINE.**

**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.**

- › Filters "spin-on" type for quick maintenance
- › Full accessibility for easy and rapid maintenance and service.
- › 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.
- › Two stages 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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COMPRESSOR

Operating pressure	7 bar 102 psi	10 bar 145 psi	12 bar 174 psi
Free Air Delivery	10360 lt/min 366 cfm	8800 lt/min 311 cfm	7800 lt/min 275 cfm
Minimum working pressure	5,5 bar - 80 psi		
Drive system engine-arend	Direct drive		
Compressor cooling system	Air / Oil		
Outlet valves	2 x 3/4" + 1 x 1"		
Battery capacity	12V cc - 750A-100Ah (EN)		
Fuel tank capacity	92 lt - 20.24 UK gal		
Consumes	8,9 lt/h - 1.96 UK gal/h (10,3 working hours)		

DIESEL ENGINE

Engine make	KUBOTA
Engine type	V3800DI-T
Engine system	Vertical, water cooled 4-cycle DI diesel engine
Emissions	Stage III a
Displacement	3769 cc
N. cylinders	4
Aspiration	Turbocharged
Max engine power @2500 rpm	74 kW - 100,6 CV
Max engine speed	2600 rpm
Cooling system	Pressurized radiator, forced circulation with water pump
Lubrication system	Forced lubrication by trochoid pump

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 temperature	-10°C / +50°C 14°F / 122°F