

ROTAIR®



Worldwide
VERSION



*Different features or tech specs may apply
for the European version of this model*

supersilent ›

MDVN

powerful › compact

46K-53K



› 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 = 3132 mm / 123.31"
W = 1340 mm / 52.76"
H = 1361 mm / 53.57"

weight >

800 kg / 1765 lbs (without brakes)
856 kg / 1888 lbs (with brakes)

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COMPRESSOR

(*) = Possibility to have also other operating pressures up to 14/15 bar and Dual Pressure

Operating pressure (*)	7 bar 102 psi	10 bar 145 psi	12 bar 174 psi
Free air delivery	4500 l/min 159 cfm	3650 l/min 129 cfm	3400 l/min 120 cfm
Minimum working pressure	5 bar - 73 psi		
Drive system engine-airend	Direct Drive		
Compressor cooling system	Air / Oil		
Oil cooling capacity	10 lt - 2.2 UK gal		
Air outlet temperature	40°C - 105°F + Ambient temperature		
Outlet valves	2 x 3/4" + 1 x 1/1"		
Noise level EECno 2000/14	< 98 LWA		
Battery capacity	12V cc - 680A-74Ah (EN)		
Fuel tank capacity	50 lt - 11 UK gal		
Consumes	6,5 lt/h - 1.43 UK gal/h (8 working hours)		

DIESEL ENGINE / ENVIRONMENTAL CONDITIONS

Engine make	KUBOTA
Engine type	V-2403-M-DI
Engine system	4 strokes - Inline - Direct Injection
Emissions	Stage III A / Tier 4 Interim
Displacement	2434 cc
N. cylinders	4
Aspiration	Natural
Max engine power @3000 RPM	36,5 kW - 49.0 HP
Max engine speed	2700 RPM
Min engine speed	1600 RPM
Cooling system	Water
Cooling system capacity	8 lt - 1.76 UK gal
Lubrication system	Oil
Lubrication system capacity	9,5 lt - 2.09 UK gal
Max ambient temperature	50°C - 122°F
Max altitude	1800 m a.s.l.
Min working temperature	-10°C / 14°F

Operating pressure (*)	7 bar 102 psi	10 bar 145 psi	12 bar 174 psi
Free air delivery	5200 l/min 185 cfm	4150 l/min 147 cfm	3800 l/min 134 cfm
Minimum working pressure	5 bar - 73 psi		
Drive system engine-airend	Direct Drive		
Compressor cooling system	Air / Oil		
Oil cooling capacity	10 lt - 2.2 UK gal		
Air outlet temperature	40°C - 105°F + Ambient temperature		
Outlet valves	2 x 3/4" + 1 x 1/1"		
Noise level EECno 2000/14	< 98 LWA		
Battery capacity	12V cc - 680A-74Ah (EN)		
Fuel tank capacity	50 lt - 11 UK gal		
Consumes	6,7 lt/h - 1.47 UK gal/h (8 working hours)		

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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.

