

ROTAIR®



Worldwide
VERSION



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

supersilent ›

MDVN

powerful › compact

31K-37K



› | **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 = 3025 mm / 119.09"

W = 1340 mm / 52.76"

H = 1302 mm / 51.26"

weight ›

625 kg / 1377 lbs (without brakes)

650 kg / 1433 lbs (with brakes)

MDVN 31K

dimensions ›

L = 3025 mm / 119.09"

W = 1340 mm / 52.76"

H = 1302 mm / 51.26"

weight ›

625 kg / 1377 lbs (without brakes)

650 kg / 1433 lbs (with brakes)

MDVN 37K

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	3000 l/min 106 cfm	2500 l/min 88 cfm	2000 l/min 71 cfm
Minimum working pressure	5 bar - 73 psi		
Drive system engine-arend	Direct Drive		
Compressor cooling system	Air / Oil		
Oil cooling capacity	8,1 lt - 1.78 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 - 680A-74Ah (EN)		
Fuel tank capacity	40 lt - 8.8 UK gal		
Consumes	4,4 lt/h - 0.97 UK gal/h (9 working hours)		

DIESEL ENGINE / ENVIRONMENTAL CONDITIONS

Engine make	KUBOTA
Engine type	V1505-E2B
Engine system	4 strokes - Inline
Emissions	Stage III A / Tier 4 Interim
Displacement	1498 cc
N. cylinders	4
Aspiration	Natural
Max engine power @3000 RPM	26,2 kW - 35.0 HP
Max engine speed	3000 RPM
Min engine speed	1600 RPM
Cooling system	Water
Cooling system capacity	5 lt - 1.1 UK gal
Lubrication system	Oil
Lubrication system capacity	6 lt - 1.32 UK gal
Max ambient temperature	50°C - 122°F
Max altitude	1800 m a.s.l.
Min working temperature	-10°C / 14°F

7 bar 102 psi	10 bar 145 psi	12 bar 174 psi
3600 l/min 127 cfm	2900 l/min 102 cfm	2250 l/min 79 cfm
5 bar - 73 psi		
Direct Drive		
Air / Oil		
8,1 lt - 1.78 UK gal		
40°C - 105°F + Ambient temperature		
2 x 3/4"		
< 98 LWA		
12V cc - 680A-74Ah (EN)		
40 lt - 8.8 UK gal		
4,9 lt/h - 1.08 UK gal/h (8 working hours)		

KUBOTA
V1505-E2B
4 strokes - Inline
Stage III A / Tier 4 Interim
1498 cc
4
Natural
26,2 kW - 35.0 HP
3000 RPM
1600 RPM
Water
5 lt - 1.1 UK gal
Oil
6 lt - 1.32 UK gal
50°C - 122°F
1800 m a.s.l.
-10°C / 14°F

- › 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.

