

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)

MDVN 46K

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MDVN 53K

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-arend | 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 |

| 7 bar 102 psi | 10 bar 145 psi | 12 bar 174 psi |
|--|-----------------------|-----------------------|
| 5200 l/min 185 cfm | 4150 l/min 147 cfm | 3800 l/min 134 cfm |
| 5 bar - 73 psi | | |
| Direct Drive | | |
| Air / Oil | | |
| 10 lt - 2.2 UK gal | | |
| 40°C - 105°F + Ambient temperature | | |
| 2 x 3/4" + 1 x 1/1" | | |
| < 98 LWA | | |
| 12V cc - 680A-74Ah (EN) | | |
| 50 lt - 11 UK gal | | |
| 6,7 lt/h - 1.47 UK gal/h (8 working hours) | | |

| |
|---------------------------------------|
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| 9,5 lt - 2.09 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.

