ROTAIR®



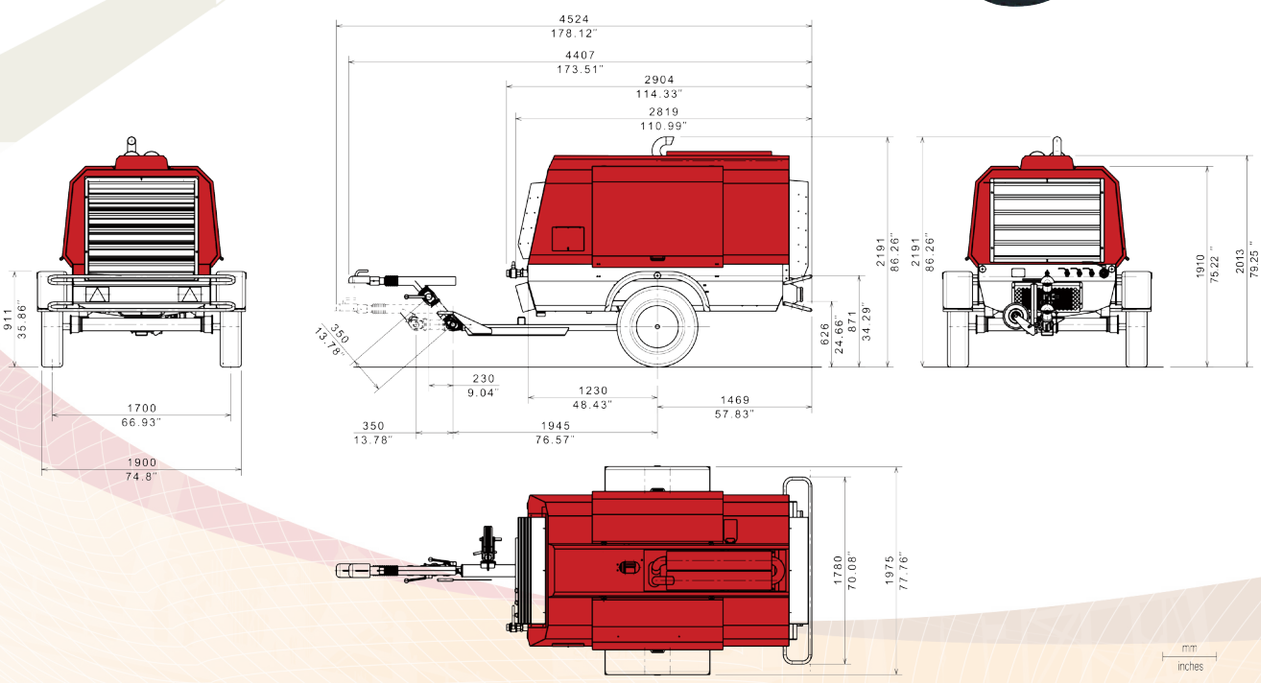
MDVS 170 J

PORTABLE COMPRESSOR

SUPER SILENT | POWERFUL & COMPACT

WEIGHT (with brakes)	2300 Kg	5070lbs
WEIGHT (without brakes)	2200 Kg	4850 lbs
SINGLE SPRUNGE AXLE		





- 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 and optimum dimensions / delivered power ratio
- Light weight for the compressor class
- Filters “spin-on” type for quick maintenance
- Full accessibility for easy and rapid maintenance and service

OPTIONS AND ACCESSORIES:

Drawbar with or without brakes, caravan-type ball connection - Skid version
Sandblasting kit (cooler for compressed air cooling and dew separator)
Line oiler for pneumatic tools - Warming for compressed air
Exclusive ROTAIR “FUEL SAVING SYSTEM” (saving up to 20% of fuel)

ISO 9001 BUREAU VERITAS Certification

Company certified ISO 9001:2008

CE

A NEW WORKING CONCEPT!

MDVS 170 J TECHNICAL DATA



- 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. As option, Two-stage air filter
- Two-stage air filter for engine part
- Fuel pre-filter with water seperation and second filter to clean fuel in very dusty conditions
- Combined radiator allowing both compressor oil cooling and engine liquid cooling

INSTRUMENT and GAUGES

Emergency stop device

- Oil pressure switch
- Engine coolant temperature switch
- Discharge air temperature switch

Gauges

Pressure, hour, meter, start/stop switch

Warning light

- Engine oil pressure
- Engine coolant - oil compressor temperature
- Battery charging
- Glow plug lump
- Low fuel level (optional)
- Air filter clogged (optional)

THE RESPECT OF ORDINARY MAINTENANCE INTERVALS AND THE USE OF GENUINE SPARE PARTS ENSURE CONSTANT AND OPTIMAL PERFORMANCES AND A RELIABLE DURABILITY THROUGH TIME.

COMPRESSOR

Operating Pressure	7 bar 100 psi	10 bar 145 psi	12 bar 174 psi	14 bar 203 psi	15 bar 218 psi
Free air delivery	17m³/min 600 cfm	15m³/min 530 cfm	13m³/min 459 cfm	12m³/min 423 cfm	11m³/min 388 cfm

Minimum working pressure	5,5 bar – 80 psi
Drive system engine-airend	Direct Drive
Compressor cooling system	Air/Oil
Oil cooling capacity	37 lt
Air outlet temperature	40°C – 105°F + Ambient temperature
Outlet valves	3 x 3/4" + 1 X 2"
Noise level EECno 2000/14	< 99 LWA
Battery capacity	12Vcc - 950A-132Ah (EN)
Fuel tank capacity	150 lt
Consumes	9,4 lt/ hour (9,8 working hours)

DIESEL ENGINE

Engine make	JCB
Engine type	TCAE-120KW
Engine system	4 strokes - Inline - Direct Injection
Displacement	4400 cc
N. cylinders	4
Aspiration	Turbo Intercooler
Max engine power@2200 RPM	120 kW – 162 HP
Max engine speed	2200 RPM
Min engine speed	1600 RPM
Cooling system	Water
Cooling system capacity	25 lt
Lubrication system	Oil
Lubrication system capacity	14 lt

ENVIRONMENTAL CONDITIONS	(Standard version*)
Max ambient temperature	50°C – 122°F
Max altitude	1800 mt a.s.l.
Min working temperature	-10°C – 14°F

** For versions with different operating pressures or for requests of machines to be used under particular ambient temperature conditions, data have to be previously asked to our technical dept.*

** All images and pictures are indicative. Data can be changed without prior notice.*

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