

ROTAIR®

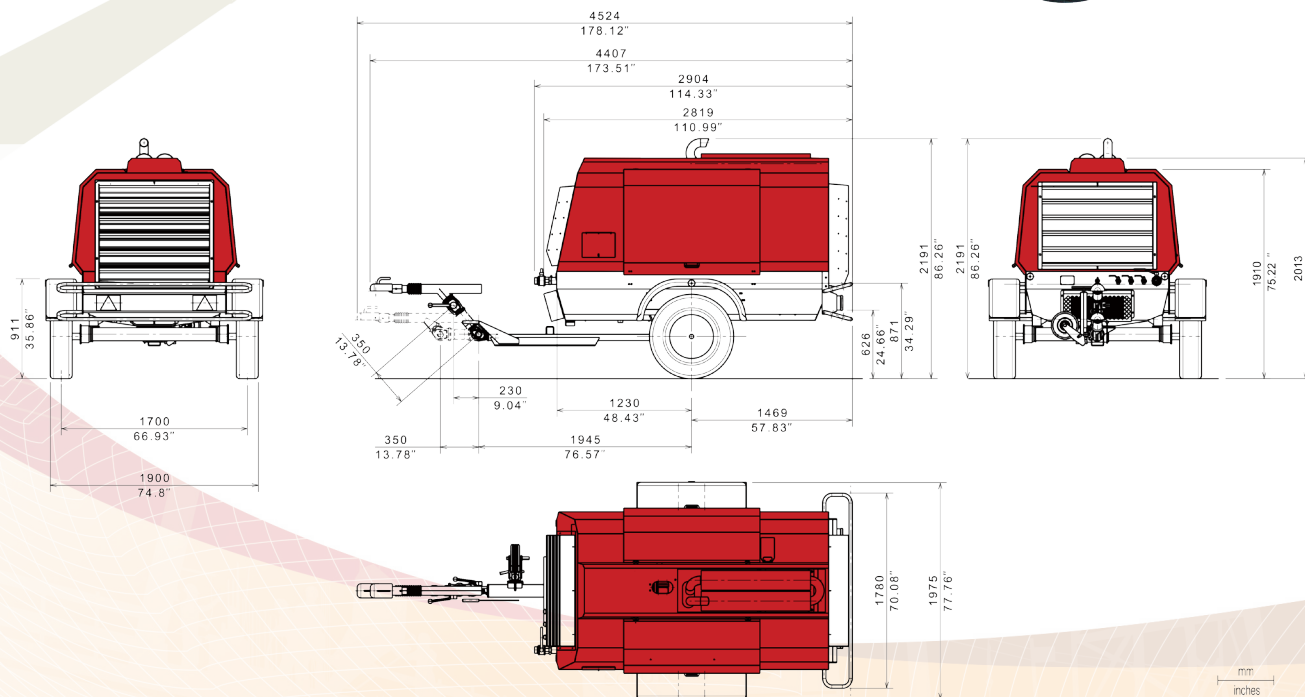


MDVS 120 P TIER 3/STAGE IIIA

PORTABLE COMPRESSOR

SUPER SILENT | POWERFUL & COMPACT

WEIGHT (with brakes)	2020 Kg	4453 lbs
WEIGHT (without brakes)	1920 Kg	4233 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



**A NEW
 WORKING
 CONCEPT!**

MDVS 120 P TIER 3/STAGE IIIA 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 separation 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
Free air delivery	12000lt/min 424 cfm	11000lt/min 388 cfm	10000lt/min 353 cfm
Minimum working pressure	5,5 bar – 80 psi		
Drive system engine-aiend	Direct Drive		
Compressor cooling system	Air/Oil		
Oil cooling capacity	20 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	15,8 lt/ hour (9,5 working hours)		

DIESEL ENGINE

Engine make	PERKINS
Engine type	1104D-E44TA
Engine system	4 strokes - Inline - Direct Injection
Displacement	4400 cc
N. cylinders	4
Aspiration	TurboIntercooler
Max engine power@2200 RPM	96,5 kW – 130 HP
Max engine speed	2200 RPM
Min engine speed	1400 RPM
Cooling system	Water
Cooling system capacity	23 lt
Lubrication system	Oil
Lubrication system capacity	10 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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TECHNOLOGY AND ENGINEERING SOLUTIONS

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