ROTAIR®



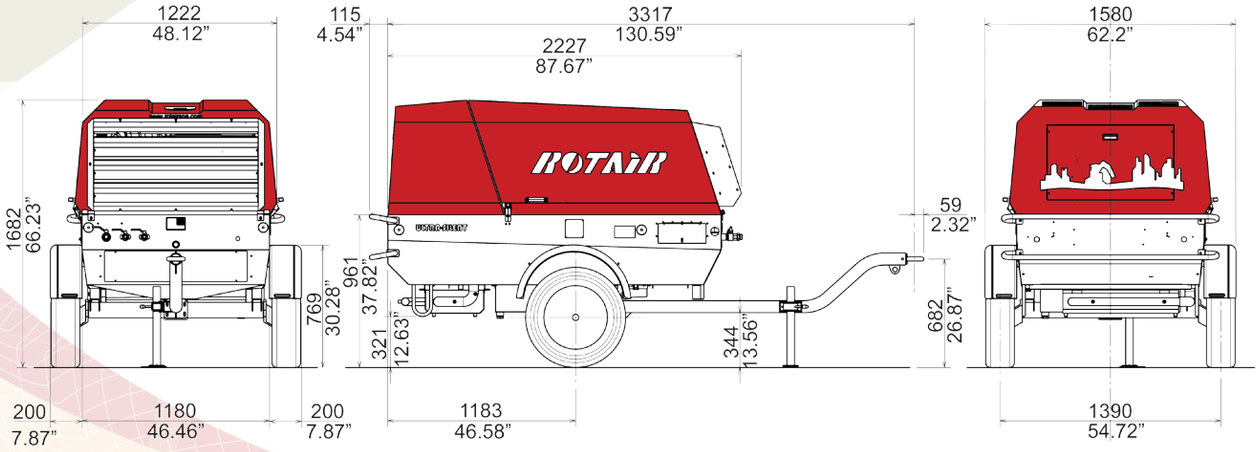
MDVN 81 D

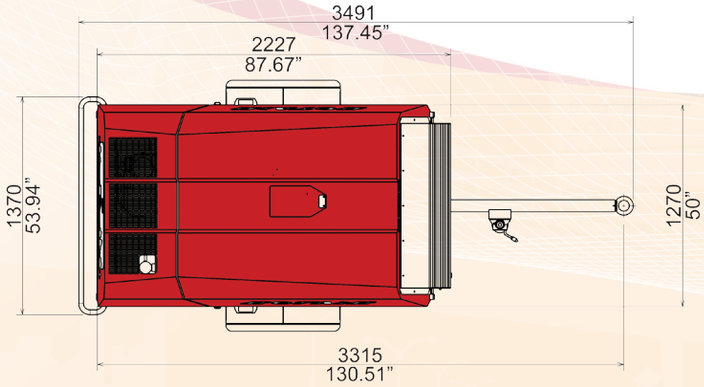
PORTABLE COMPRESSOR

SUPER SILENT | POWERFUL & COMPACT



WEIGHT (with brakes)	1460 Kg	3219 lbs
WEIGHT (without brakes)	1370 Kg	3020 lbs





- 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

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!

MDVN 81 D 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
- Two stages 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
- Clog indicator for engine air filter
- Fuel indicator
- Combined radiator allowing both compressor oil cooling and engine liquid cooling

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 102 psi	10 bar 145 psi	12 bar 174 psi
Free air delivery	8200lt/min 290 cfm	6200lt/min 219 cfm	6000lt/min 212 cfm
Possibility to have also other operating pressures up to 14/15 bar and Dual Pressure			
Minimum working pressure	5,5 bar – 80 psi		
Drive system engine-airend	Direct Drive		
Compressor cooling system	Air/Oil		
Oil cooling capacity	17 lt		
Air outlet temperature	40°C – 105°F + Ambient temperature		
Outlet valves	2 x 3/4" + 1 X 1"		
Noise level EECno 2000/14	< 98 LWA		
Battery capacity	12Vcc - 750A-100Ah (EN)		
Fuel tank capacity	92 lt		
Consumes	9,4 lt/ hour (9,8 working hours)		

DIESEL ENGINE

Engine make	DEUTZ
Engine type	BF4M2011
Engine system	4 strokes - Inline - Direct Injection
Displacement	3110 cc
N. cylinders	4
Aspiration	Turbocharged
Max engine power@2800 RPM	65,0 kW – 88,0 HP
Max engine speed	2800 RPM
Min engine speed	1800 RPM
Cooling system	Oil
Cooling system capacity	13,5 lt
Lubrication system	Oil
Lubrication system capacity	13,5 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.*

A NEW WORKING CONCEPT!

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