



TECHNICAL DATA SHEET



V.01

REV.01

03-08-2023

ROTAIR®

powerful >> compact

MDVN

PORTABLE COMPRESSORS

32 B



AXLE
WITHOUT
BRAKES

530 KG
1169 LB



SKID
VERSION

480 KG
1058 LB



COMPRESSOR

Operating pressure	6,5 bar - 94 psi	10 bar - 145 psi	12 bar -174 psi
Free air delivery	3100 l/min - 110 cfm	2200 l/min - 78 cfm	1950 l/min - 69 cfm
Minimum working pressure	5,5 bar - 80 psi		
Drive system engine-arend	Belt Drive		
Compressor cooling system	Air / Oil		
Oil cooling capacity	7 lt - 1.5 UK gal		
Air outlet temperature	40°C - 72°F + Ambient temperature		
Outlet valves	2 x 3/4"		
Noise level EECno 2000/14	< 97 LWA		
Battery capacity	12V cc - 45Ah 330A(EN)		
Fuel tank capacity	60 lt - 13.2 UK gal		
Consumes	max 12,2 lt/h - 2.7 UK gal/h		

PETROL ENGINE

Engine make	Briggs&Stratton
Engine type	Petrol
Engine system	4 strokes
Emissions	Stage V
Displacement	993 cc
N. cylinders	2
Aspiration	Natural
Max engine power @3200 RPM	30 kW - 40 HP
Max engine speed	3100 RPM
Min engine speed	1800 RPM
Cooling system	Air
Lubrication system	Oil
Lubrication system capacity	2,4 lt - 0.53 UK gal

ENVIRONMENTAL CONDITIONS

Max ambient temperature	48°C - 118°F
Min working temperature	-10°C / 14°F
Max altitude	1800 m a.s.l.

AXLE WITHOUT BRAKES

WITH ARTICULATED DRAWBAR
Suitable for road traffic

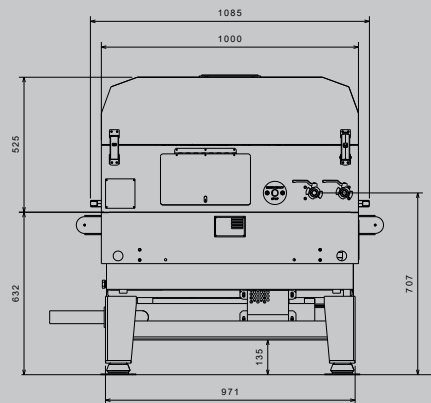
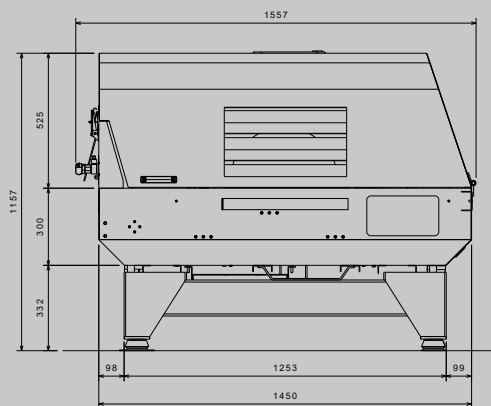
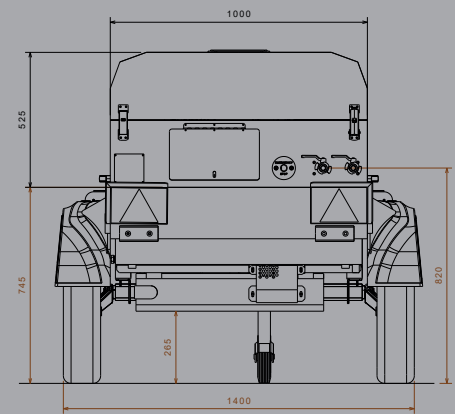
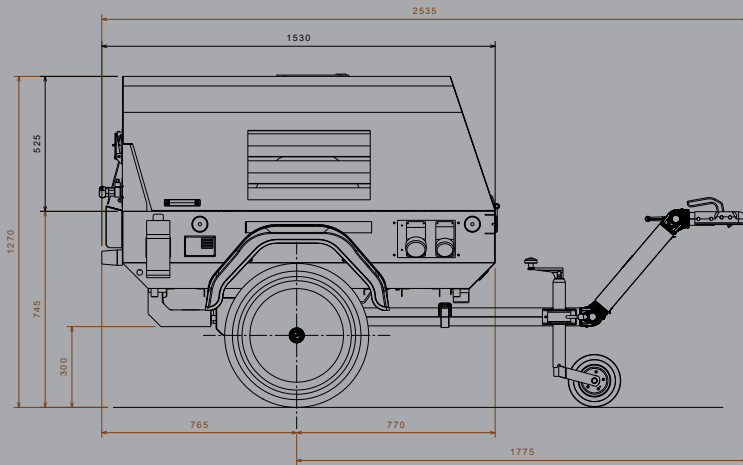


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PORTABLE COMPRESSORS

MAIN FEATURES

OPTIONS & ACCESSORIES

- › 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
- › Full accessibility for easy and rapid maintenance and service
- › 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
- › 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 airtend. As option, Two-stage air filter
- › Two-stage air filter for engine part
- › Combined radiator allowing both compressor oil cooling and engine liquid cooling
- › Start/stop "INTELLIGENT SYSTEM", exclusive from ROTAIR, to prevent the risk of incorrect procedures during specific functioning
- › Operating running costs lower than a Diesel engine of the same power

BS sandblasting version INTEGRATED to the unit (cooler for compressed air cooling and condensate separator). The more the compressed air is cooled inside the final refrigeration kit of a compressor, the more its efficiency is prompted and the more water vapor condenses, thus allowing easy use of tools such as sandblasting kits.

Example, IN TYPICAL ENVIRONMENTAL CONDITIONS (Temperature = 20 °C / Relative humidity = 50% / Air outlet pressure = 7 bar) THE FOLLOWING VALUES ARE OBTAINED:

Difference with ambient temperature of delivered air	Water drawn in	Water drained		Water at outlet valves	
		Water drained	Efficiency	Water at outlet valves	Efficiency
+11 °C	1,8 lt/h	0,91 lt/h	50,56%	0,89 lt/h	49,44%

EXTERNAL DEHUMIDIFIER DEVICE "BS" WITH A HIGH DEGREE OF DEHUMIDIFICATION (combinable with portable compressors with flow rates from 2000 to 8000 lt/min).

This particular device ensures a quality of the delivered air with low outlet temperature; example: with an ambient temperature of 20 °C, temperature of delivered air is 0-2 °C higher than ambient temperature (for more information see the specific product sheet). The air, largely dehumidified, is an indispensable condition in the execution of particular processes such as: sandblasting - optical fibers installation - use of pneumatic tools sensitive to humidity. The external "BS" device is easy to connect to your portable compressor by means of a special kit of air pipes and is electrically powered by the portable compressor itself. Easily transportable and easy to handle thanks to its wheels, it is the unique and ideal device that satisfies the most severe and demanding operating conditions.

REEL FOR AIR PIPE

complete with 20 m of tubing diam. 19 x 30 with fittings to use any work tool at a distance without having to move the compressor.

FUEL LEVEL CHECK WITH WARNING LIGHT

important in order to protect the engine from sudden running out of fuel and subsequent choke, cleaning and filter replacement problems, etc

LINE LUBRICATOR FOR PNEUMATIC EQUIPMENT

Provides automatic lubrication to air-operated pneumatic tools to prevent rust and corrosion and steer the tools to have a smoother more effective operation, which prolongs the life of tools.

CONTROL WITH CLOGGING SENSOR FOR ENGINE AND COMPRESSOR AIR FILTERS

essential accessory in order to avoid bad air supply with the advantage of always having the maximum efficiency of the diesel engine and the supply of compressed air at the correct pressure.

EXCLUSIVE ROTAIR "FUEL SAVING SYSTEM" for fuel savings of up to 20%.

COMPRESSED AIR
FOR CIVIL ENGINEERING

GOMMAIR RANGE

D/DS RANGE

MDVN RANGE

MDVS RANGE

VRK RANGE

VRK FIBER RANGE

VRH RANGE

TVR RANGE

ROTAIR® DELIVERING WORLD-CLASS
COMPRESSORS

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Azienda
certificata
ISO
9001:2015

ISO 9001
BUREAU VERITAS
Certification



ROTAIR - A brand of
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Further information available on request. The manufacturer reserves the right to modify the technical characteristics indicated above without prior notice.