



TECHNICAL DATA SHEET



V. 01

REV. 01

27 - 07 - 2023

ROTAIR®

powerful >> compact

D 400 P

PORTABLE COMPRESSORS



AXLE
WITHOUT
BRAKES

1730 KG
3814 LB



AXLE
WITH
BRAKES

1835 KG
4045 LB



SKID
VERSION

1650 KG
3638 LB



COMPRESSOR

Operating pressure	10 bar - 145 psi
Free air delivery	10800 l/min - 381 cfm
Minimum working pressure	5,5 bar - 80 psi
Drive system engine-aiend	Direct Drive
Compressor cooling system	Air / Oil
Oil cooling capacity	29 litri - 6.38 UK gal
Air outlet temperature	40°C - 72°F + Ambient temperature
Outlet valves	3 x 3/4" + 1 x 2"
Battery capacity	12V cc - 132Ah - 950A (EN)
Fuel tank capacity	200 lt - 44 UK gal
Consumes	26,6 lt/h @100% - 7.08 UK gal/h @100%

DIESEL ENGINE / ENVIRONMENTAL CONDITIONS

Engine make	PERKINS
Engine type	1104C-44TA
Engine system	4 strokes - Inline
Emissions	Stage II / Tier 2
Displacement	4400 cc
N. cylinders	4
Aspiration	Turbo Intercooler
Max engine power @2200 RPM	97 kW - 132 HP
Max engine speed	2200 RPM
Min engine speed	1600 RPM
Cooling system	Water
Cooling system capacity	25 lt - 5.5 UK gal
Lubrication system	Oil
Lubrication system capacity	8 lt - 1.76 UK gal

ENVIRONMENTAL CONDITIONS

Max ambient temperature	50°C - 122°F
Min working temperature	-10°C / 14°F
Max altitude	1800 m a.s.l.

AXLE WITHOUT BRAKES

WITH ARTICULATED DRAWBAR
Slow towing from construction site



1730 KG
3814 LB

AXLE WITH BRAKES

WITH ARTICULATED DRAWBAR
Suitable for road traffic

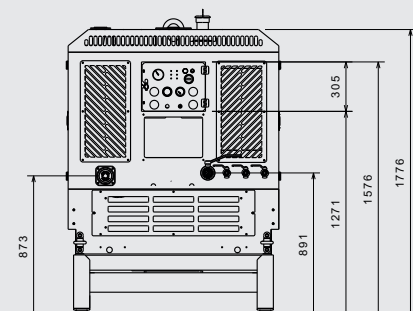
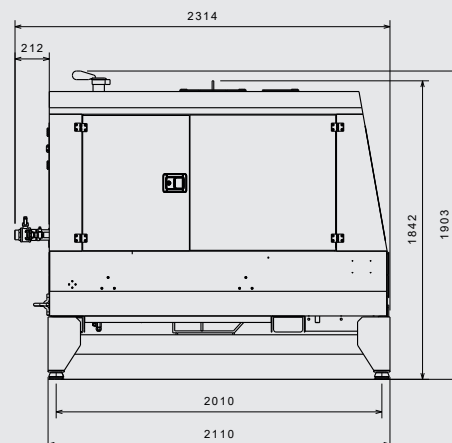
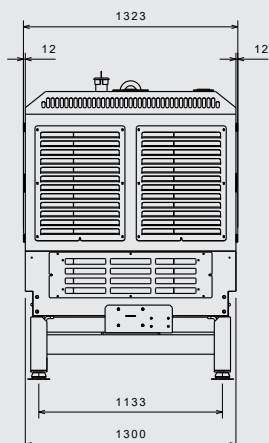
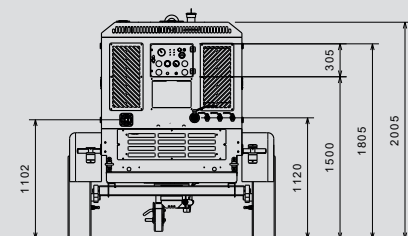
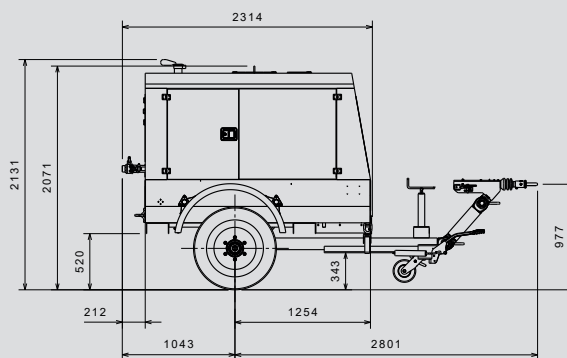
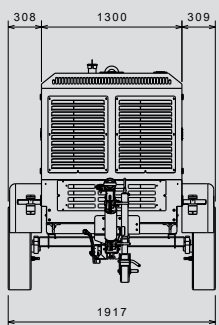
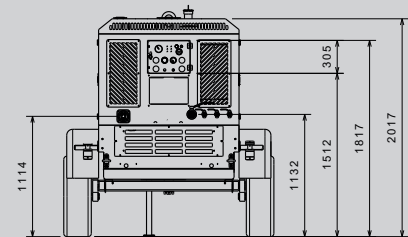
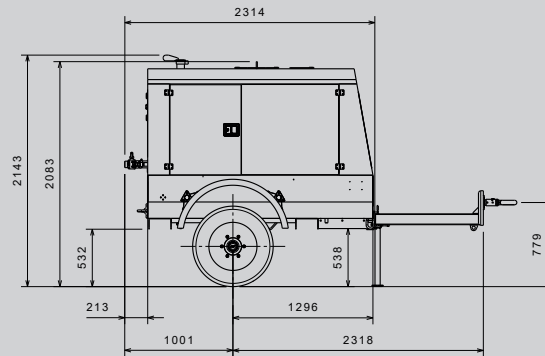
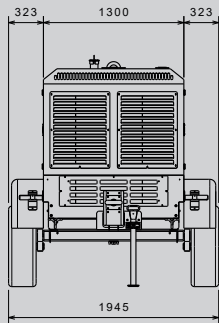


1835 KG
4045 LB

SKID VERSION



1650 KG
3638 LB



D 400 P

PORTABLE COMPRESSORS

MAIN FEATURES

OPTIONS & ACCESSORIES

COMPRESSED AIR
FOR CIVIL ENGINEERING

GOMMAIR RANGE

D/DS RANGE

MDVN RANGE

MDVS RANGE

VRK RANGE

VRK FIBER RANGE

VRH RANGE

TVR RANGE

- › 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.

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
+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%.

ROTAIR® DELIVERING WORLD-CLASS
COMPRESSORS

Via Bernezzo, 67 - 12023 Caraglio (Cn) - ITALY
Tel: +39 0171.619676 / Fax: +39 0171.619677
www.rotairspa.com | info@rotairspa.com



Azienda
certificata
ISO
9001:2015

ISO 9001
BUREAU VERITAS
Certification



ROTAIR - A brand of
ELGi Equipments Ltd.

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