EUROPE

ROTAIR®

PORTABLE COMPRESSORS

SCREW
SUPERSILENT
for civil
engineering

GOMMAIR | MDVN | MDVS | VRK | TVR | VRH

STAGE V CATALOGUE

SPECIFIC **EUROPE**

PRO SERIES

DELIVERING **WORLD CLASS**
Compressed Air Solutions

ROTAIR®

SCREW SET ENTIRELY DESIGNED AND MANUFACTURED BY ROTAIR

WITH GROUND PROFILE
OF ROTAIR EXCLUSIVE PATENTED
MANUFACTURE AND DESIGN

FOR OWN USE AND B2B APPLICATIONS.

The asymmetric profile with oil injection is created by means of high pressure grinding that ensures excellent performance of the set in the compression stage, reducing the required energy dispersion to a minimum. The installed screw sets are of direct transmission type without geared rev multiplier. This solution reduces wear of the screw set and overheating, ensures reduced noise emissions and fuel consumption savings.

ROTAIR®

we are focused on

SAND BLASTING MODE

AFTER COOLED SANDBLASTING

All models of **ROTAIR** compressors have specific aftercooled versions.
They feature an additional cooler to cool down compressed air and a specific condensate separator, that drains the water produced by the thermic exchange of the cooler.

This gives a cooler output of compressed air (ambient +12 ± 2°C) and significantly lowers the humidity of the air, although not removing completely the moisture from air, as this depends mainly on the environmental conditions.

INBUILT ADDITIONAL COOLER AND SPECIFIC CONDENSATE SEPARATOR

for cool and dry air

The aftercooled versions are called "**SANDBLASTING**" because the main use of these machines finds its operation in the sandblasting sector. These machines are indicated for all operations that are sensitive to humidity of the air output: optic fibre laying, use of pneumatic tools that are sensitive to humidity. **ROTAIR** also offers an **EXTERNAL "BS" AFTER-COOLER SYSTEM**, easy to connect through an air pipe kit and is electrically powered by the compressor.

It enables standard compressors, from 2000 to 8500 lt/min (71 to 300 cfm) to work in sandblasting and other humidity-sensitive operations. Air output temperature is extremely low: ambient +2°C. Humidity in air suffers a drastic diminution. The unit is on wheels, easy to transort and to handle, built to meet the most exigent and severe working conditions.

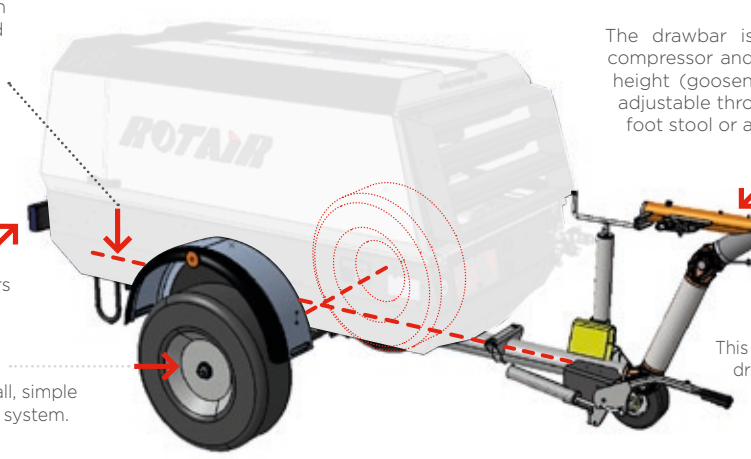
ROTAIR OFFERS
A BROAD PANEL OF TRAILERS, TO MAKE COMPRESSORS EFFECTIVELY PORTABLE.

The undercarriage of a portable compressor is composed of:

AXLE
The part connecting compressor to the ground, includes suspension system, wheels and all related parts. Suspensions can be assured with springs (sprung axle) or leaf springs (leaf spring axle). Wheels are of different size, to match the weight of the machine and according to the type of towing.

LIGHTS
System of rear lights and reflectors

BRAKING SYSTEMS
Can be with no braking system at all, simple parking brake or repulsion braking system.



DRAWBAR
The drawbar is the rigid connection between compressor and towing vehicle. It can be at fixed height (gooseneck bend or straight angles) or adjustable through joints, usually 2. It can have a foot stool or a jockey wheel.

CONNECTION
This is the mean to connect physically the drawbar to the towing vehicle. It can be through tow eyes or ball concection, both of different diameter.

STANDARD TRAILER - MDVN	So-called "gooseneck" for the peculiar shape of the drawbar. Is always without brakes. Enables slow towing (max 25 km/h) on work field but not on public roads.
TRAILER WITH BRAKES – MDVN	Has adjustable drawbar, repulsive braking system, lights. Enables compressor to be towed on public roads, if homologated.
STANDARD TRAILER – MDVS	Has adjustable drawbar. Is without repulsive braking system, but has a parking brake. Enables slow towing (max 25 km/h)on work field but not on public roads.
TRAILER WITH BRAKES – MDVS	Has adjustable drawbar, repulsive braking system, lights. Enables compressor to be towed on public roads, if homologated.
TRAILER WITH PARKING BRAKE	All types of axles and drawbars can be equipped with parking brake, a lever that blocks the wheels when the machine must be static.
SKID ADAPTOR	Portable compressors can be delivered "ON SKID", which means without wheels but on a base with four support feet.

ROTAIR has a special SKID ADAPTOR, used to prepare the machine for standard skid delivery, that can be provided as separate attachment and be used to transform a towable compressor into a skid compressor. Viceversa: by removing the skid adaptor and installing an undercarriage with all its parts, the original skid machine can become towable.

ON ROAD HOMOLOGATION / To circulate on public roads, towed by a vehicle, a portable compressor needs to have several characteristics.

EUROPE:
European Union has uniformed the legislation to enable towing of trailers, among those portable compressors. To be towed on public roads, a trailer shall respond to Directive 2007/46/CE. The manufacturer shall undergo a process of internal homologation by one European Ministry of transports and all machines to be towed shall be examined and approved. The exam includes the presence of all elements requested by the Directive (among others: braking system where needed, lights, reflectors, etc..). This done, the manufacturer will be issued, for each towable model, a unique reference number, that will be engraved on the chassis of the machines deemed to be towed and integrated into the specific documentation of the machine. This number, communicated by the end Customer to the Office of Circulation of the European Country where the machine will be put into operation, will enable the road homologation process without need of further presentation of documents or physical inspection and assessment by the competent Authority.

OTHER COUNTRIES.
For other Countries outside Europe, the local legislation shall be followed. ROTAIR can provide, upon request, the specific documents and drawings that could be requested for a national road homologation. The Dealer or end Customer shall provide the specifications that the machines shall respect to be homologated. In some cases, the Dealer could modify the machines, upon authorization of ROTAIR, to conform them to the norms of the reference Country.

FEATURED HIGHLIGHTS

EXCLUSIVE ROTAIR INTELLIGENT SYSTEM

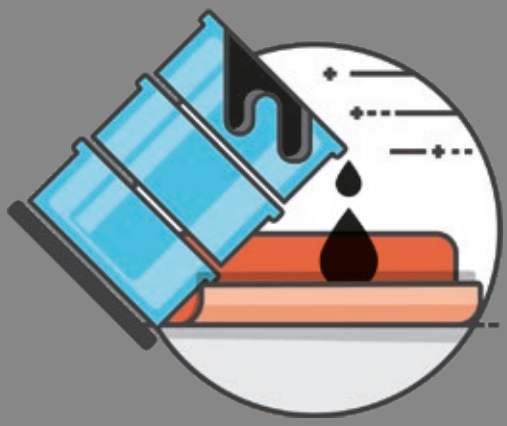
THE "**INTELLIGENT SYSTEM**" ENABLES A PRE-HEATING OF THE ENGINE WITHOUT OVERLOADING IT, THE AIREND WILL START WORKING ONLY WHEN THE PERFECT CONDITIONS ARE REACHED.

THE SAME IN TURNING OFF THE MACHINE AFTER A DEPRESSURISATION PHASE OF THE HYDRAULIC CIRCUIT, NO HAMMERING OF THE AIREND DUE TO ITS INERTIAL MOVEMENT, BUT A GRADUAL TURN-OFF.

No more need to start the machine with the air exit open (and risks of forgetting it)

All this brings:

- *A correct lubrication to the screw set and the engine, even in extremely cold temperature conditions.*
- *A better functioning and a higher durability of all the components of the machine.*
- *An increase of the separator filter lifetime and no oil in the air during the next compressor's starts (and no black smoke from the exhausts pipe while turning the machine on).*



BUNDED CHASSIS ADAPTER

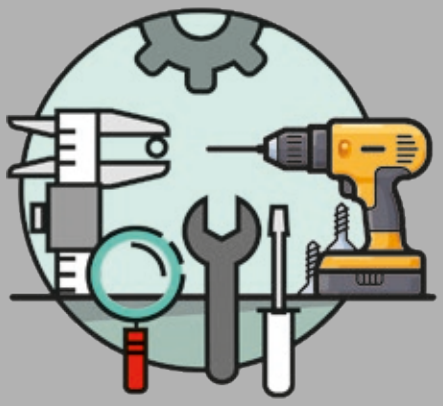
This exclusive device, only for ROTAIR portable compressors, offers the possibility to have your compressor protected from accidental spills of fluids on the ground.

Removable yet solidly fixable to the compressor, it is the ultimate option where anti-spill is mandatorily required.

It is so intelligent that it enables forklift handling of the compressor.

EASY MAINTENANCE

FULL ACCESSIBILITY FOR EASY AND RAPID MAINTENANCE AND SERVICE



ROTAIR®

powerful › compact

GOMMAIR

- **Industry leading compact, square design**
- **Small footprint, no wheels**
- **Electro-galvanized bodywork and structure with advanced painting procedure to grant an excellent preservation through time.**

- Easy Service design for maximum accessibility for ease of maintenance.
- Easy managing with forklift.
- Quiet and efficient Yanmar Stage V engine.
- Pressurized oil circuit to ensure efficient oil lubrification.
- Air/oil separator filter, can guarantee an excellent air/oil separation.
- Palletized, can be handled with forklift from all sides.

Technical Data

dimensions ›
L = 1015 mm / 40.0″
W = 705 mm / 27.7″
H = 980 mm / 38.5″

weight ›
315 kg / 694 lbs

GOMMAIR

COMPRESSOR

Operating pressure	7 bar 100 psi	11 bar 160 psi	13 bar 185 psi
Free air delivery	1100 lt/min 39 cfm	930 lt/min 33 cfm	800 lt/min 28 cfm

DIESEL ENGINE / ENVIRONMENTAL CONDITIONS

Engine make	YANMAR
Engine type	2TNV70
Emissions	Stage V
Displacement	570 cc
N. cylinders	2
Max engine power @3200 RPM	10,5 kW - 14,3 CV
Max engine speed	3600 RPM
Min engine speed	2000 RPM
Cooling system	Water
Fuel tank capacity	13 lt - 2.86 UK gal
Consumes	3,3 lt/h @ 3600 RPM - 2 lt/h @ 60% 0.73 UK gal @3600 RPM - 0.44 UK gal @60%
Max ambient temperature	50°C - 122°F
Max altitude	1800 m s.n.m.
Min working temperature	-10°C / 14°F

DO YOU KNOW ?

...all our **ranges**

also available **AS...**

customized **SANDBLASTING VERSION**

INBUILT ADDITIONAL COOLER AND SPECIFIC CONDENSATE SEPARATOR
for cool and dry air

- 1 compressor oil filter.
- 1 single stage air filter for the compressor part of large size to ensure efficient filtering of air suctioned by the screw unit.
- Spin-on engine and compressor oil filters for faster and easier maintenance.
- 1 double stage air filter for the engine.
- Protective device for engine cold start.
- Combined radiator allowing both compressor oil cooling and engine liquid cooling.

ROTAIR

supersilent ›

MDVN

powerful › compact

22-26 Eco5

» | SKID ADAPTOR

- 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.
- European homologation for road circulation with and without brakes.
- 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.

Technical Data

dimensions ›
L = 2841 mm / 111.83"
W = 1400 mm / 55.08"
H = 1230 mm / 48.43"

weight ›
480 kg / 1060 lbs (without brakes)
545 kg / 1200 lbs (with brakes)

MDVN 22 Eco5

dimensions ›
L = 2841 mm / 111.83"
W = 1400 mm / 55.08"
H = 1230 mm / 48.43"

weight ›
540 kg / 1190 lbs (without brakes)
605 kg / 1330 lbs (with brakes)

MDVN 26 Eco5

COMPRESSOR

(•)= Possibility to have also other operating pressures up to 14/15 bar and Dual Pressure

	MDVN 22 Eco5			MDVN 26 Eco5		
Operating pressure (•)	6,5 bar 94 psi	10 bar 145 psi	12 bar 174 psi	6,5 bar 94 psi	10 bar 145 psi	12 bar 174 psi
Free air delivery	2000 l/min 71 cfm	1600 l/min 56 cfm	1400 l/min 50 cfm	2500 l/min 88 cfm	1900 l/min 67 cfm	1400 l/min 50 cfm
Minimum working pressure	5,5 bar - 80 psi			5,5 bar - 80 psi		
Drive system engine-airend	Belt Drive			Belt Drive		
Compressor cooling system	Air / Oil			Air / Oil		
Oil cooling capacity	6 lt - 1.32 UK gal			6 lt - 1.32 UK gal		
Air outlet temperature	40°C - 105°F + Ambient temperature			40°C - 105°F + Ambient temperature		
Outlet valves	2 x 3/4"			2 x 3/4"		
Noise level EECno 2000/14	< 98 LWA			< 98 LWA		
Battery capacity	12V cc - 270A-55Ah (EN)			12V cc - 270A-55Ah (EN)		
Fuel tank capacity	30 lt - 6.6 UK gal			30 lt - 6.6 UK gal		
Consumes	3,5 lt/h - 0.77 UK gal/h (8,5 working hours)			3,8 lt/h - 0.84 UK gal/h (8 working hours)		

DIESEL ENGINE / ENVIRONMENTAL CONDITIONS

	MDVN 22 Eco5	MDVN 26 Eco5
Engine make	KUBOTA	KUBOTA
Engine type	D902-E4B	D1105-E4B
Engine system	4 strokes - Inline	4 strokes - Inline
Emissions	Stage V / Tier 4	Stage V / Tier 4
Displacement	898 cc	1123 cc
N. cylinders	3	3
Aspiration	Natural	Natural
Max engine power @3600 RPM	18,5 kW - 25.0 HP	18,5 kW - 25.0 HP
Max engine speed	3600 RPM	3000 RPM
Min engine speed	1900 RPM	1900 RPM
Cooling system	Water	Water
Cooling system capacity	4 lt - 0.88 UK gal	4 lt - 0.88 UK gal
Lubrication system	Oil	Oil
Lubrication system capacity	4 lt - 0.88 UK gal	5,1 lt - 1.12 UK gal
Max ambient temperature	50°C - 122°F	50°C - 122°F
Max altitude	1800 m a.s.l.	1800 m a.s.l.
Min working temperature	-10°C / 14°F	-10°C / 14°F

› 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.

› Two-stage air filter for engine part.

› Combined radiator allowing both compressor oil cooling and engine liquid cooling.

supersilent ›

MDVN

powerful › compact

46-53 Eco5

SKID ADAPTOR

- 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.
- European homologation for road circulation with and without brakes.
- 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.

Technical Data

dimensions ›
L = 3122 mm / 122.9″
W = 1520 mm / 59.8″
H = 1490 mm / 58.7″

weight ›
960 kg / 2116 lbs (without brakes)
1035 kg / 2282 lbs (with brakes)

MDVN 46 Eco5

dimensions ›
L = 3122 mm / 122.9″
W = 1520 mm / 59.8″
H = 1490 mm / 58.7″

weight ›
960 kg / 2116 lbs (without brakes)
1035 kg / 2282 lbs (with brakes)

MDVN 53 Eco5

COMPRESSOR

Operating pressure	7 bar 102 psi	10 bar 145 psi	12 bar 174 psi	7 bar 102 psi	10 bar 145 psi	12 bar 174 psi
Free air delivery	4500 lt/min 159 cfm	3650 lt/min 129 cfm	3400 lt/min 120 cfm	5000 lt/min 177 cfm	4900 lt/min 175 cfm	3700 lt/min 132 cfm
Minimum working pressure	5 bar - 73 psi			5 bar - 73 psi		
Drive system engine-airend	Direct Drive			Direct Drive		
Compressor cooling system	Air / Oil			Air / Oil		
Oil cooling capacity	10,7 lt - 2.35 UK gal			10,7 lt - 2.35 UK gal		
Air outlet temperature	40°C - 105°F + Ambient temperature			40°C - 105°F + Ambient temperature		
Outlet valves	2 x 3/4"			2 x 3/4"		
Noise level EECno 2000/14	< 98 LWA			< 98 LWA		
Battery capacity	12V cc - 750A-100Ah (EN)			12V cc - 750A-100Ah (EN)		
Fuel tank capacity	88 lt - 19.36 UK gal			88 lt - 19.36 UK gal		
Fuel tank capacity	10.8 lt/h @ 100% - 6.5 lt/h @ 60% 2.38 UK gal/h @ 100% - 1.43 UK gal/h @ 60%			10.8 lt/h @ 00% - 6.5 lt/h @ 60% 2.38 UK gal/h @ 100% - 1.43 UK gal/h @ 60%		

DIESEL ENGINE / ENVIRONMENTAL CONDITIONS

Engine make	KOHLER	KOHLER
Engine type	KDI 1903 TCR St V	KDI 1903 TCR St V
Engine system	4 strokes - Inline - Indirect Injection	4 strokes - Inline - Indirect Injection
Emissions	Stage V / Tier 4 Final	Stage V / Tier 4 Final
Filtration	DOC + DPF	DOC + DPF
Displacement	1903 cc	1903 cc
N. cylinders	3	3
Aspiration	Turbocompress	Turbocompress
Max engine power @2600 RPM	36,5 kW - 49.0 HP	36,5 kW - 49.0 HP
Max engine speed	2450 RPM	2450 RPM
Min engine speed	1700 RPM	1700 RPM
Cooling system	Water	Water
Cooling system capacity	14 lt- 3.08 UK gal	14 lt - 3.08 UK gal
Lubrication system	Oil	Oil
Lubrication system capacity	9,75 lt - 2.14 UK gal	9,75 lt- 2.14 UK gal
Max ambient temperature	45°C - 113°F	45°C - 113°F
Max altitude	1800 m s.n.m.	1800 m s.n.m.
Min working temperature	-10°C / 14°F	-10°C / 14°F

› 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.

› Two-stage air filter for engine part.

› Combined radiator allowing both compressor oil cooling and engine liquid cooling.

supersilent ›

MDVN

powerful › compact

83 Eco5

» | SKID ADAPTOR

- 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.
- Kohler Stage V-Tier Final compliant, with aftertreatment system DOC+DPF
- Full accessibility for easy and rapid maintenance and service.
- European homologation for road circulation with and without brakes.
- 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.

Technical Data

dimensions ›
L = 3491 mm / 137.44"
W = 1580 mm / 62.2"
H = 1682 mm / 66.23"

weight ›
1320 kg / 2910 lbs (without brakes)
1395 kg / 3075 lbs (with brakes)

MDVN 83 Eco5

COMPRESSOR

Operating pressure	7 bar 102 psi	10 bar 145 psi	12 bar 174 psi
Free air delivery	8000 lt/min 282 cfm	6400 lt/min 226 cfm	5600 lt/min 198 cfm
Minimum working pressure	5 bar - 73 psi		
Drive system engine-airend	Direct Drive		
Compressor cooling system	Air / Oil		
Oil cooling capacity	16 l - 3.52 UK gal		
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	12V cc - 750A-80Ah (EN)		
Fuel tank capacity	140 lt - 30.80 UK gal		
Consumes	13,4 lt/h @ 100% - 7,2 lt/h @ 60% 2.95 UK gal/h @ 100% - 1.58 UK gal/h @ 60%		

DIESEL ENGINE / ENVIRONMENTAL CONDITIONS

Engine make	KOHLER
Engine type	KDI 2504-TCR St V
Engine system	4 strokes - Inline - Indirect Injection
Emissions	Stage V / Tier 4 Final
Filtration	DOC + DPF
Displacement	2482 cc
N. cylinders	4
Aspiration	Turbo
Max engine power @2600 RPM	55,4 kW - 75.3 HP
Max engine speed	2100 RPM
Min engine speed	1700 RPM
Cooling system	Water
Cooling system capacity	18 lt- 3.96 UK gal
Lubrication system	Oil
Lubrication system capacity	9 lt - 1.98 UK gal
Max ambient temperature	50°C - 122°F
Max altitude	1800 m s.n.m.
Min working temperature	-10°C / 14°F

- 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.
- Two-stage air filter for engine part.
- Combined radiator allowing both compressor oil cooling and engine liquid cooling.

NEW TYPE

supersilent ›

MDVS

powerful › compact

125 Eco5

» | SKID ADAPTOR

- **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 for the compressor class.**
- Filters "spin-on" type for quick maintenance.
- 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.
- 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.

Technical Data

dimensions ›
L = 3957 mm / 155.79"
W = 1890 mm / 74.41"
H = 1840 mm / 72.44"

weight ›
1900 kg / 4188 lbs (without brakes)
2045 kg / 4508 lbs (with brakes)

MDVS 125 Eco5

NEW TYPE

COMPRESSOR

Operating pressure	7 bar 102 psi	10 bar 145 psi	12 bar 174 psi
Free air delivery	12000 lt/min 424 cfm	11000 lt/min 388 cfm	10000 lt/min 353 cfm
DUAL PRESSURE	7-10 bar ›› 102-145 psi 12000 l/min ›› 10500 l/min		
Minimum working pressure	5,5 bar - 80 psi		
Drive system engine-airend	Direct Drive		
Compressor cooling system	Air / Oil		
Oil cooling capacity	29,5 lt - 6.49 UK gal		
Outlet valves	3 x 3/4"+ 1 x 2"		
Noise level EECno 2000/14	< 99 LWA		
Battery capacity	1 x 12V cc - 1100A-180Ah (EN)		
Fuel tank capacity	200 lt - 43.99 UK gal		
Consumes	19,9 lt/h @ 100% - 7,9 lt/h @ 60% 4.38 UK gal/h @ 100% - 1.74 UK gal/h @ 60%		

DIESEL ENGINE / ENVIRONMENTAL CONDITIONS

Engine make	KOHLER
Engine type	KDI 3404 TCR
Engine system	4 strokes - Inline
Emissions	Stage V / Tier 4 Final
Displacement	3359 cc
N. cylinders	4
Aspiration	Turbo Intercooler
Max engine power @3000 RPM	105 kW
Max engine speed	2200 RPM
Min engine speed	1400 RPM
Cooling system	Water
Cooling system capacity	24 lt- 5.28 UK gal
Lubrication system	Oil
Lubrication system capacity	15,6 lt - 3.43 UK gal
Max ambient temperature	50°C - 122°F
Max altitude	1800 m s.n.m.
Min working temperature	-10°C / 14°F

- 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 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.

ROTAIR

ROTAIR®

supersilent ›

VRK

powerful › compact

FIBRA
FIBRA PLUS

FROM MOTORWAYS TO DIGITAL HIGHWAYS, COMPRESSED AIR HAS ALWAYS PLAYED A LEADING ROLE IN BUILDING THE NEXT FUTURE

COMPACT DESIGN, EXTREMELY MANEUVERABLE AND EASY ACCESS FOR MAINTENANCE. ALL FILTERS READILY ACCESSIBLE.

ONE SINGLE, COMPACT, EASY TO TRANSPORT AND MANEUVERABLE MACHINE, IMMEDIATELY READY TO WORK.

- **All moving parts are inaccessible, according to the most stringent safety norms.**
- **Cooling ventilator shielded and inaccessible.**
- **Muffler under the machine, less noise and avoids risks of accidental burns.**
- **Cooling fan on the engine axle.**
- **Easy to lift & transport.**
- **Lifting eye for crane use / Solid-type wheels / Skid version available on option**
- **Double-stage air/oil separation Lowest oil in air for this category: ≤ 1 PPM!**
- **Air cooling and drying integrated in the unit.**

- System for proportional acceleration at air demand:
  - » Less noise and consumption
  - » Power all declinated to air flow
- Petrol tank in sight & extractable for practical refuelling
- All filters are spin-on / bayonet-type, for faster change
- Intuitive starter/Integrated hours counter/Manometer/Thermostat with safety arrest @ high temperatures
- Start/Stop @ low pressures:
  - » Automatically activated when starting the machine
  - » Brings machine to 2 bar
  - » Prevents separator filter to collapse due to difference pressure
  - » Longer life of machine and components
  - » Avoids oil in line
  - » Better start in cold temperatures.
- Oversized single cooler for extra cooling of air (FIBRA)
  Separated second cooler and fan, for extreme cool air output (FIBRA PLUS).
- Condensates separator

Technical Data

dimensions ›
L = 1168 mm / 45.98"
W = 774 mm / 30.47"
H = 955 mm / 37.6"

weight ›
250 kg / 551 lbs

VRK FIBRA

dimensions ›
L = 1268 mm / 49.94"
W = 774 mm / 30.47"
H = 955 mm / 37.6"

weight ›
260 kg / 573 lbs

VRK FIBRA PLUS

INTEGRATED COOLING AND DRYING SYSTEMS

COMPRESSOR

Max operation pressure	**15 bar - 218 psi**
Free Air Delivery	**1000 lt/min - 35 cfm**
Minimum working pressure	**5,5 bar - 80 psi**
Drive system engine-airend	**Belt-drive XPZ overdimensioned**
Compressor cooling system	**Air / Oil**
Oil cooling capacity	**5 lt - 1.1 UK gal**
Outlet valves	**1 x 3/4"**
Noise level EECno 2000/14	**< 97 LWA**
Battery capacity	**12V cc - 330A - 45Ah (EN)**
Fuel tank capacity	**15 lt - 3.3 UK gal**

PETROL ENGINE

Engine make	**HONDA**
Engine type	**GX690**
Engine system	**4 strokes**
Emissions	**Stage V**
Displacement	**690 cc**
N. cylinders	**2**
Aspiration	**Natural**
Max engine power @3600 RPM	**16.5 kW - 22.5 HP**
Max engine speed	**3400 RPM**
Min engine speed	**2000 RPM**
Cooling system	**Air**
Lubrication system	**Oil**
Lubrication system capacity	**1,9 lt - 0.42 UK gal**

QUALITY OF AIR

Oil in air	**≤ 1 PPM**
Compressed air temperature	**Ambient +20°C | +36°F (FIBRA)** **Ambient +0°C/+2°C | +0°F/+3,6°F (FIBRA PLUS)**

ENVIRONMENTAL CONDITIONS

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

SPECIAL
FIBRE
OPTIC

CONCEIVED FOR
FIBRE-OPTIC
CABLE LAYING

- High efficiency trapezoidal belt-drive, over-dimensioned to ensure transmission with less maintenance.
- Pneumatic control system, ROTAIR production, to automatically adjust engine revs, depending on the air to be delivered. This system is highly reliable and ensures fuel consumption savings.
- Automatic depressurization at the end of the work cycle.
- Separator tank with double air/oil separation-internal filter and external spin-on: oil carry-over ≤ 1 PPM.
- Air/oil separator filter, highly oversized, to guarantee an excellent air/oil separation.
- Compressor air filter and engine air filter are separated.
- Single stage oversized air filter for compression circuit, to guarantee good filtering of the air intaken by airend.

ROTAIR®

supersilent ›

VRK

powerful › compact

16›20

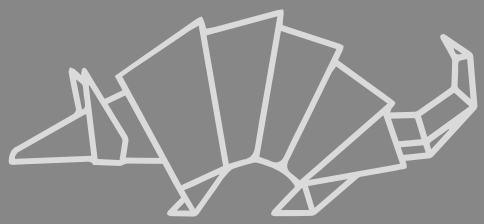
- **Compact design, extremely maneuverable and easy access for maintenance.**
- **All filters readily accessible.**
- **All filters (except air filter) are spin-on type, for easier maintenance.**
- **All moving parts are inaccessible, according to the most stringent safety norms.**
- **Easy to transport and to load.**
- **Lifting eye for crane use.**
- Muffler under the machine, less noise and avoids risks of accidental burns.
- Cooling ventilator shielded and inaccessible.
- Cooling fan on the engine axle.
- Intuitive starter / Integrated hours counter / Manometer.
- Thermostat with safety arrest at high temperatures.
- Airend with ROTAIR design profile, max efficiency and operational safety.
- High efficiency trapezoidal belt-drive, easy to supply and over-dimensioned to ensure transmission with less maintenance.

Technical Data

dimensions ›
L = 1125 mm / 44.29"
W = 775 mm / 30.5"
H = 1015 mm / 39.94"

weight ›
230 kg / 507 lbs

VRK 16›20



COMPRESSOR	VRK 16			VRK 20		
Working pressure	6 bar 87 psi	11 bar 160 psi	13 bar 188 psi	6 bar 87 psi	11 bar 160 psi	13 bar 188 psi
Free air delivery	1600 lt/min 57 cfm	1100 lt/min 39 cfm	950 lt/min 34 cfm	1900 lt/min 67 cfm	1250 lt/min 44 cfm	1100 lt/min 39 cfm
Minimum working pressure	5,5 bar 80 psi	5,5 bar 80 psi	5,5 bar 80 psi	5,5 bar 80 psi	5,5 bar 80 psi	5,5 bar 80 psi
Drive system engine-airend	Belt-drive XPZ overdimensioned					
Compressor cooling system	Air / Oil					
Oil cooling capacity	5 lt / 1.1 UK gal					
Air outlet temperature	20°C / 68°F + ambient temperature					
Outlet valves	1 x 3/4"					
Noise level EECno 2000/14	< 97 LWA					
Battery capacity	12V cc - 330A-45Ah (EN)					
Fuel tank capacity	15 lt / 3.3 UK gal					

PETROL ENGINE	VRK 16	VRK 20
Engine make	HONDA	
Engine type	GX 630	GX 690
Engine system	4 strokes	4 strokes
Emissions	Stage V	Stage V
Displacement	690 cc	690 cc
N. cylinders	2	2
Aspiration	Natural	Natural
Max engine power @3600 RPM	15.5 kW-20.8 HP	16.5 kW-22.5 HP
Max engine speed	3000 RPM	3000 RPM
Min engine speed	2000 RPM	2000 RPM
Cooling system	Air	Air
Lubrication system	Oil	Oil
Lubrication system capacity	1,9 lt / 0.42 UK gal	1,9 lt / 0.42 UK gal
Min › Max working temperature	-10°C › +50°C / 14°F › 122° F	
Max Altitude	1800 m a.s.l.	

› Pneumatic control system, ROTAIR production, to automatically adjust engine revs, depending on the air to be delivered. This system is highly reliable and ensures fuel consumption savings.

› Encapsulated separator tank with double separation-internal filter and external spin-on: oil carry-over 1-3 PPM

› Air/oil separator filter, highly oversized, to guarantee an excellent air/oil separation.

› Compressor oil filter and engine oil filter are separated.

› Single stage oversized air filter for compressor part, to guarantee good filtering of the air intaken by airend.

ROTAIR®

supersilent ›

TVR

powerful › compact

30-55-80

- Acoustic signal of oil overheating
- Emergency button.
- Coupled to airend through an elastic coupling.
- Kit to invert the rotation side.
- Possibility to instal the start button in remote.

- Protection for the cardan joint
- Easily accessible for maintenace
- Compact design
- Designed for intensive use in agriculture
- Possibility to fit on the third point of the tractor (specific structure not supplied)

Technical Data

NEW TYPE

TVR with canopy

	TVR 30	TVR 55	TVR 80
Operating pressure	7 bar 102 psi	7 bar 102 psi	7 bar 102 psi
Free air delivery	3120 lt/min 110 cfm	5375 lt/min 190 cfm	8000 lt/min 283 cfm
Connection to PTO	1" 3/8 Z6 DIN 9611A		
Rotation PTO	540 RPM		
Direction of Rotation	Counter-clockwise from the front of the TVR (reatattachment of the tractor)		
Dimensions	L = 810 mm P = 693 mm H = 704 mm	L = 900 mm P = 750 mm H = 851 mm	L = 1211 mm P = 820 mm H = 1057 mm
Weight	300 kg	400 kg	640 kg
Air outlet	1"	1"	1" 1/2
Electric circuit (battery not included)	12V cc		
Quantity of lubricating oil in reductor	2,2 lt		
Quantity of lubricating oil in airend	7 lt	8 lt	16 lt
Cooling	Electroventilated in aspiration on the cooler		

- The machine conforms to the most stringent norms - CE Directive, EN safety and compatibility norms - and its design and manufacturing are conform to ROTAIR Quality System in the framework of ROTAIR Total Quality Management.

Machine is supplied with:

- Manual of use and maintenance, including diagrams and electric schemes
- Spare parts manual

ROTAIR

ROTAIR®

supersilent ›

VRH

powerful › compact

10»70

- Screw compressor driven by hydraulic motor usually mounted on excavators and hydraulic operating machines for all necessities of compressed air.
- Different operating pressures available.
- Robust, extremely compact and reliable made on purpose to be installed in the shape of carriers - no impact on balance - ground inclination does not matter
- Clean layout / easy maintenance.
- Parker hydraulic motors.
- Electric equipment 12V or 24V.
- Saving on fuel costs and less maintenance needed.

Technical **DATA**

	OPERATING PRESSURE	AIR DELIVERY	OIL FLOW	OIL PRESSURE	Dimensions (L x L x H)	WEIGHT
VRH10	**8 - 10 - 13 bar** **116 -145 - 189 psi**	**1100 lt/min** **39 cfm**	from 30 to 60 lt/min from 6 to 13 gpm	from 120 to 205 bar from 1740 to 2973 psi	696 x 810 x 704 mm 27,4 x 31,89 x 27,72 inches	185 kg 407 lbs
VRH15	**8 - 10 - 13 bar** **116 -145 - 189 psi**	**1500 lt/min** **53 cfm**	from 45 to 85 lt/min from 10 to 19 gpm	from 120 to 200 bar from 1740 to 2900 psi	696 x 910 x 704 mm 27,4 x 31,89 x 27,72 inches	185 kg 407 lbs
VRH20	**8 - 10 - 13 bar** **116 -145 - 189 psi**	**2000 lt/min** **70 cfm**	from 60 to 105 lt/min from 13 to 23 gpm	from 105 to 215 bar from 1522 to 3118 psi	696 x 910 x 704 mm 27,4 x 31,89 x 27,72 inches	225 kg 495 lbs
VRH25	**8 - 10 - 13 bar** **116 -145 - 189 psi**	**2500 lt/min** **88 cfm**	from 70 to 120 lt/min from 15 to 26 gpm	from 115 to 240 bar from 1668 to 3480 psi	696 x 910 x 704 mm 27,4 x 31,89 x 27,72 inches	225 kg 495 lbs
VRH30	**8 - 10 - 13 bar** **116 -145 - 189 psi**	**3000 lt/min** **106 cfm**	from 60 to 135 lt/min from 13 to 30 gpm	from 110 to 240 bar from 1595 to 3480 psi	696 x 910 x 704 mm 27,4 x 31,89 x 27,72 inches	225 kg 495 lbs
VRH35	**7 - 8 bar** **100 -116 psi**	**3500 lt/min** **124 cfm**	from 110 to 150 lt/min from 24 to 33 gpm	from 110 to 160 bar from 1595 to 2320 psi	696 x 910 x 704 mm 27,4 x 31,89 x 27,72 inches	225 kg 495 lbs
VRH40	**8 - 10 bar** **116 -145 psi**	**4000 lt/min** **141 cfm**	from 100 to 165 lt/min from 22 to 36 gpm	from 130 to 215 bar from 1885 to 3118 psi	793 x 966 x 874 mm 31,22 x 38 x 34,4 inches	350 kg 770 lbs
VRH50	**7 - 8 bar** **100 -116 psi**	**5000 lt/min** **177 cfm**	from 135 to 180 lt/min from 30 to 40 gpm	from 115 to 190 bar from 1668 to 2755 psi	793 x 966 x 874 mm 31,22 x 38 x 34,4 inches	350 kg 770 lbs
VRH55	**7 - 8 bar** **100 -116 psi**	**5500 lt/min** **195 cfm**	from 135 to 200 lt/min from 30 to 44 gpm	from 120 to 180 bar from 1740 to 2610 psi	793 x 966 x 874 mm 31,22 x 38 x 34,4 inches	350 kg 770 lbs
VRH60	**8 - 10 bar** **116 -145 psi**	**6000 lt/min** **212 cfm**	from 110 to 205 lt/min from 24 to 45 gpm	from 165 a to 235 bar from 2393 to 3408 psi	820 x 1325 x 1057 mm 32,28 x 52,16 x 41,61 inches	660 kg 1452 lbs
VRH70	**7 - 8 bar** **100 -116 psi**	**7000 lt/min** **247 cfm**	from 160 to 215 lt/min from 35 to 45 gpm	from 170 to 215 bar from 2465 to 3118 psi	820 x 1325 x 1057 mm 32,28 x 52,16 x 41,61 inches	660 kg 1452 lbs

hydraulic transmission compressors

ROTAIR®

PORTABLE

COMPRESSORS

WARRANTY, DURATION and **RELIABILTY**

are assured with
THE EXCLUSIVE USE
of original spare parts.

GENUINE SPARE PARTS PROGRAM

DELIVERING **WORLD CLASS**
Compressed Air Solutions

ROTAIR®

GENERAL CATALOGUE

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SCREW SUPERSILENT
for civil engineering
&
MUCH **MORE**

ROTAIR®

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