ROTAIR

SPECIAL ROW

PORTABLE COMPRESSORS

GENERAL RANGE

GOMMAIR | DS
MDVN | D | MDVS
VRK | TVR | VRH

PRO SERIES

A Reliable CHOICE!

delivering
WORLD-CLASS Compressors

ROTAIR

delivering
WORLD-CLASS Compressors

DS-K › PETROL

INTUITIVE STARTER INTEGRATED HOURS COUNTER MANOMETER.

THERMOSTAT WITH SAFETY ARREST AT HIGH TEMPERATURES

AIREND WITH OPTIMIZED PROFILE, MAX EFFICIENCY AND OPERATIONAL SAFETY.

HIGH EFFICIENCY TRAPEZOIDAL BELT-DRIVE, EASY TO SUPPLY AND OVERDIMENSIONED TO ENSURE TRANSMISSION WITH LESS MAINTENANCE.

- Compact design, ideal for installation on service vehicles.
- Uses the fuel tank and battery of the vehicle to save space.
- Smallest footprint available. › Lowest weight available.
- All filters readily accessible. › Spin-on type, for easier maintenance.
- Easy to transport and to load / Palletized based.
- Cooling fan on the engine axle.
- Fixed RPM: less components // Easier layout // Highest reliability
- Start/stop "INTELLIGENT SYSTEM", exclusive from ROTAIR, to prevent the risk of incorrect procedures during specific functioning.
- Air/oil separator filter, highly oversized, to guarantee an excellent air/oil separation.
- Single stage oversized air filter for compressor part, to guarantee good filtering of the air intaken by airend.

DS-K PETROL

L = 900 mm / 35.43"
W = 510 mm / 20.08"
H = 715,5 mm / 28.17"

142 kg / 313 lbs

COMPRESSOR

Max operation pressure	**10 bar - 145 psi**
Free Air Delivery	**1150 lt/min - 40 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**
Consumes	**max 4,15 lt/h - 0.91 UK gal/h**

PETROL ENGINE

Engine make	**HONDA**
Engine type	**GX 630**
Engine system	**4 strokes**
Emissions	**Stage V**
Displacement	**690 cc**
N. cylinders	**2**
Aspiration	**Natural**
Max Engine power @ 2500 rpm	**15,5 kW - 21 CV**
Fixed engine speed	**2500 rpm**
Cooling system	**Air**
Lubrication system	**Oil**
Lubrication system capacity	**1,9 lt - 0.42 UK gal**

QUALITY OF AIR

Oil in air	**1-3 PPM**
Compressed air temperature	**Ambient +40°C | +72°F**

ENVIRONMENTAL CONDITIONS

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

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DS-K › DIESEL

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DS-K DIESEL

L = 1000 mm / 39.37"
W = 571 mm / 22.48"
H = 760 mm / 29.92"

240 kg / 529 lbs

COMPRESSOR

Max operation pressure	**10 bar - 145 psi**
Free Air Delivery	**1100 lt/min - 39 cfm**
Minimum working pressure	**4,5 bar - 62 psi**
Drive system engine-airend	**Belt**
Compressor cooling system	**Air / Oil**
Oil cooling capacity	**4,0 lt - 0.88 UK gal**
Outlet valves	**Thread ¾"**
Consumes	**2,9 lt/h - 0.64 UK gal/h**

DIESEL ENGINE

Engine make	**YANMAR**
Engine type	**2TNV70**
Engine system	**Diesel**
Emissions	**Stage V**
Filtration	**Engine 2 stage – Compressor 1 stage**
Displacement	**570 cc**
N. cylinders	**2**
Aspiration	**Natural**
Max Engine power @ 3600 rpm	**10,5 kW - 14,3 CV**
Max Engine speed	**3600 rpm**
Min Engine speed	**2000 rpm**
Cooling system	**Water**
Cooling system capacity	**3 lt – 0.79 UK gal**
Lubrication system	**Oil**
Lubrication system capacity	**1,6 lt - 0.35 UK gal**

QUALITY OF AIR

Oil in air	**1-3 PPM**
Compressed air temperature	**Ambient +10°C | +18°F**

ENVIRONMENTAL CONDITIONS

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

DS 22 Y

INDUSTRY LEADING COMPACT, BOX-TYPE DESIGN.

ELECTRO-GALVANIZED BODYWORK AND CHASSIS WITH ADVANCED PAINTING PROCEDURE TO GRANT AN EXCELLENT PRESERVATION THROUGH TIME.

EASY SERVICE DESIGN FOR MAXIMUM ACCESSIBILITY FOR EASE OF MAINTENANCE

CURBSIDE MOUNTED CONTROL PANEL, ADJACENT AIR VALVES AND FLUID DRAINS FOR CONVENIENT OPERATION AND MAXIMUM OPERATOR SAFETY.

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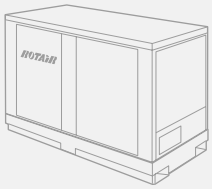
- Start/Stop "INTELLIGENT SYSTEM", exclusive from ROTAIR, to prevent the risk of incorrect procedures during specific functioning.
- Lifting hook for crane handling. Palletized, can be handled with forklift from all sides.
- Air/oil separator filter, element inside separator tank, can guarantee an excellent air/oil separation.
- The air and oil filters of the compressor and the air and oil filters of the engine are independent.
- Spin-on engine and compressor oil filters for faster and easier maintenance.
- 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.



DS 22 Y

L = 1400 mm / 55.12"
W = 750 mm / 29.53"
H = 862 mm / 33.92"

405 kg / 893 lbs

COMPRESSOR

Max operation pressure	**7 bar - 102 psi**
Free Air Delivery	**2100 lt/min - 74 cfm**
Minimum working pressure	**5 bar - 73 psi**
Drive system engine-airend	**Belt**
Compressor cooling system	**Air / Oil**
Oil cooling capacity	**5,5 lt - 1.21 UK gal**
Outlet valves	**1 x 3/4"**
Battery capacity	**12V cc - 55 Ah-270A (EN)**
Fuel tank capacity	**28 lt - 6.16 UK gal**
Consumes	**5,5 lt/h - 1.45 UK gal/h at maximum power (3,3 lt/h - 0.87 UK gal/h @ 60%)**

DIESEL ENGINE

Engine make	**YANMAR**
Engine type	**3TN V70**
Engine system	**4 strokes - Inline - Indirect Injection**
Emissions	**Stage V / NO EPA Tier 4**
Displacement	**854 cc**
N. cylinders	**3**
Aspiration	**Natural**
Max Engine power @ 3600 rpm	**17 kW - 23 CV**
Max engine speed	**3600 rpm**
Min engine speed	**1900 rpm**
Cooling system	**Water**
Cooling system capacity	**4 lt - 0.88 UK gal.**
Lubrication system	**Oil**
Lubrication system capacity	**3,4 lt - 0.75 UK gal**

QUALITY OF AIR

Oil in air	**1-3 PPM**
Compressed air temperature	**Ambient +40°C | +72°F**

ENVIRONMENTAL CONDITIONS

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

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WORLD-CLASS Compressors

DS 31 K-37 K

INDUSTRY LEADING COMPACT, BOX-TYPE DESIGN.

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- Lifting hook for crane handling. Palletized, can be handled with forklift from all sides.
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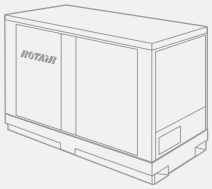
- The air and oil filters of the compressor and the air and oil filters of the engine are independent.
- Spin-on engine and compressor oil filters for faster and easier maintenance.
- Single stage oversized air filter for compressor part, to guarantee good filtering of the air intake by airend. Two-stage air filter for engine part.
- Combined radiator allowing both compressor oil cooling and engine liquid cooling.



DS 31 K

L = 1650,5 mm / 64.98"
W = 750 mm / 29.53"
H = 865 mm / 34,06"

550 kg / 1213 lbs
(with fluids, without fuel)

DS 37 K

L = 1650,5 mm / 64.98"
W = 750 mm / 29.53"
H = 865 mm / 34,06"

550 kg / 1213 lbs
(with fluids, without fuel)

COMPRESSOR

Operating pressure	**7 bar - 102 psi**	**7 bar - 102 psi**
Free Air Delivery	**3100 lt/min - 109 cfm**	**3600 lt/min - 127 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	**8 lt - 1.76 UK gal**	**8 lt - 1.76 UK gal**
Outlet valves	**1 x 3/4"**	**1 x 3/4"**
Battery capacity	**12V cc - 74 Ah-680A (EN)**	**12V cc - 74 Ah-680A (EN)**
Fuel tank capacity	**48 lt - 10.5 UK gal**	**48 lt - 10.5 UK gal**
Consumes	**6,0 lt/h - 1.32 UK gal/h** (8 working hours)	**6,0 lt/h - 1.32 UK gal/h** (8 working hours)

DIESEL ENGINE

Engine make	**KUBOTA**	**KUBOTA**
Engine type	**V-1505-E3B**	**V-1505-E3B**
Engine system	**4 strokes - Inline**	**4 strokes - Inline**
Emissions	**Stage III A / Tier 4 Interim**	**Stage III A / Tier 4 Interim**
Displacement	**1498 cc**	**1498 cc**
N. cylinders	**4**	**4**
Aspiration	**Natural**	**Natural**
Max engine power @3000 rpm	**24,5 kW - 33 CV**	**26,2 kW - 35,6 CV**
Max engine speed	**2650 rpm**	**3000 rpm**
Min engine speed	**1600 rpm**	**1600 rpm**
Cooling system	**Water**	**Water**
Cooling system capacity	**5 lt - 1.1 UK gal**	**5 lt - 1.1 UK gal**
Lubrication system	**Oil**	**Oil**
Lubrication sys capacity	**6 lt - 1.32 UK gal**	**6 lt - 1.32 UK gal**

QUALITY OF AIR

Oil in air	**1-3 PPM**	**1-3 PPM**
Compressed air temperature	**Ambient +40°C | +72°F**	**Ambient +40°C | +72°F**

ENVIRONMENTAL CONDITIONS

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

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WORLD-CLASS Compressors

DS 46 K-53 K

INDUSTRY LEADING COMPACT, BOX-TYPE DESIGN.

ELECTRO-GALVANIZED BODYWORK AND CHASSIS WITH ADVANCED PAINTING PROCEDURE TO GRANT AN EXCELLENT PRESERVATION THROUGH TIME.

ONE-SIDE SERVICE DESIGN WITH SPIN-ON OIL AND SEPARATOR FILTERS FOR EASE OF MAINTENANCE

CURBSIDE MOUNTED CONTROL PANEL, ADJACENT AIR VALVES AND FLUID DRAINS FOR CONVENIENT OPERATION AND MAXIMUM OPERATOR SAFETY.

- Steel fuel tank, resists cracks, splitting and deformation.
- Quiet and efficient Stage V-NO EPA Tier4 engine, without costly DPF System.
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- Start/Stop "INTELLIGENT SYSTEM", exclusive from ROTAIR, to prevent the risk of incorrect procedures during specific functioning.
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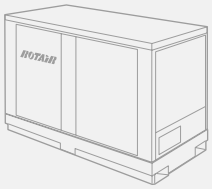
- Combined radiator allowing both compressor oil cooling and engine liquid cooling.



DS 46 K

L = 1730 mm / 68.11"
W = 836 mm / 32.91"
H = 1092,5 mm / 43.01"

890 kg / 1962 lbs
(with fluids, without fuel)

DS 53 K

L = 1730 mm / 68.11"
W = 836 mm / 32.91"
H = 1092,5 mm / 43.01"

890 kg / 1962 lbs
(with fluids, without fuel)

COMPRESSOR

Operating pressure	**7 bar - 102 psi**	**7 bar - 102 psi**
Free Air Delivery	**4500 lt/min - 159 cfm**	**5200 lt/min - 185 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	**10,5 lt - 2.31 UK gal**	**10,5 lt - 2.31 UK gal**
Outlet valves	**2 x 3/4"**	**2 x 3/4"**
Battery capacity	**12V cc - 750A-100Ah (EN)**	**12V cc - 750A-100Ah (EN)**
Fuel tank capacity	**85 lt - 18.7 UK gal**	**85 lt - 18.7 UK gal**
Consumes	**6,4 lt/h - 1.41 UK gal/h** (13,3 working hours)	**6,4 lt/h - 1.41 UK gal/h** (13,3 working hours)

DIESEL ENGINE

Engine make	**KUBOTA**	**KUBOTA**
Engine type	**V-2403-M-DI**	**V-2403-M-DI**
Engine system	**4 strokes - Inline - Direct Injection**	**4 strokes - Inline - Direct Injection**
Emissions	**Stage III A / Tier 4 Interim**	**Stage III A / Tier 4 Interim**
Displacement	**2434 cc**	**2434 cc**
N. cylinders	**4**	**4**
Aspiration	**Natural**	**Natural**
Max engine power @2700 rpm	**35 kW - 47,6 CV**	**36,5 kW - 49,6 CV**
Max engine speed	**2450 rpm**	**2700 rpm**
Min engine speed	**1600 rpm**	**1600 rpm**
Cooling system	**Water**	**Water**
Cooling system capacity	**8 lt - 1.76 UK gal**	**8 lt - 1.76 UK gal**
Lubrication system	**Oil**	**Oil**
Lubrication sys capacity	**9 lt -1.98 UK gal**	**9 lt -1.98 UK gal**

QUALITY OF AIR

Oil in air	**1-3 PPM**	**1-3 PPM**
Compressed air temperature	**Ambient +40°C | +72°F**	**Ambient +40°C | +72°F**

ENVIRONMENTAL CONDITIONS

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

DS 53 Y

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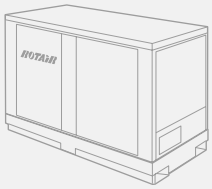


DS 53 Y

L = 1730 mm / 68.11"
W = 836 mm / 32.91"
H = 1092 mm / 43.01"

795 kg / 1753 lbs
(with fluids, without fuel)

COMPRESSOR

Max operation pressure	**7 bar - 102 psi**
Free Air Delivery	**5400 lt/min - 191 cfm**
Minimum working pressure	**5 bar - 73 psi**
Drive system engine-airend	**Direct Drive**
Compressor cooling system	**Air / Oil**
Oil cooling capacity	**10,5 lt - 2.31 UK gal**
Outlet valves	**2 x 3/4"**
Battery capacity	**12V - 720A-80Ah (EN)**
Fuel tank capacity	**85 lt - 18.7 UK gal**
Consumes	**6,8 lt/h - 1.5 UK gal/h** (12,5 working hours)

DIESEL ENGINE

Engine make	**YANMAR**
Engine type	**4TN V88**
Engine system	**4 strokes - Inline - Indirect Injection**
Emissions	**Stage III A / Tier 2**
Displacement	**2190 cc**
N. cylinders	**4**
Aspiration	**Natural**
Max Engine power @ 3000 rpm	**35,4 kW - 48,1 CV**
Max engine speed	**3000 rpm**
Min engine speed	**1500 rpm**
Cooling system	**Water**
Cooling system capacity	**8 lt - 1.76 UK gal**
Lubrication system	**Oil**
Lubrication system capacity	**7 lt - 1.54 UK gal**

QUALITY OF AIR

Oil in air	**1-3 PPM**
Compressed air temperature	**Ambient +40°C | +72°F**

ENVIRONMENTAL CONDITIONS

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

ABRASIVE BLASTING MODE

AFTER COOLED

SAND BLASTING

The treatment of compressed air is becoming an increasingly crucial aspect when it comes to managing the wide range of applications it is used for. To address this, **ROTAIR** provides an aftercooler and moisture separator option for all compressors in our lineup.
The role of an aftercooler is essential: it helps lower the temperature of compressed air and, more importantly, reduces its relative humidity by eliminating condensate. Most of our compressors come with the option of an onboard aftercooler, and some models, like the VRK+, even feature a dual-stage integrated aftercooling system.

INBUILT ADDITIONAL COOLER AND **SPECIFIC CONDENSATE SEPARATOR**

for cool and dry air

In some cases, an external aftercooler may be more suitable. It's useful when there is an occasional need to enhance a standard compressor or when the point of application is further away, ensuring the air quality remains consistent over a longer hose length.

These are "Plug & Play" solutions designed to provide cool, condensate-free compressed air exactly when you need it. For even more demanding needs, **ROTAIR** offers a version that includes additional fine filters, ensuring the air is technically oil-free.

Whether integrated, external, or additional, the aftercooler and moisture separator option makes **ROTAIR** compressors ideal for a variety of applications requiring cooler, drier air—such as abrasive blasting, fiber blowing, dry-ice cleaning, and many others.

delivering
WORLD-CLASS Compressors

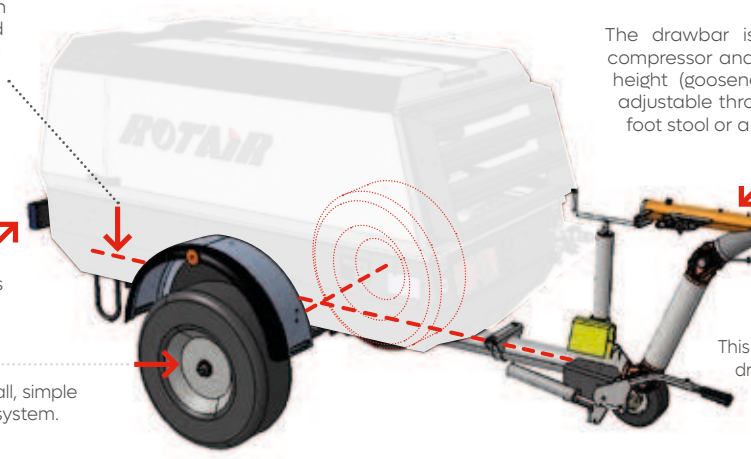
ROTAIR OFFERS
A BROAD PANEL OF TRAILERS, TO MAKE COMPRESSORS EFFECTIVELY PORTABLE.

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.

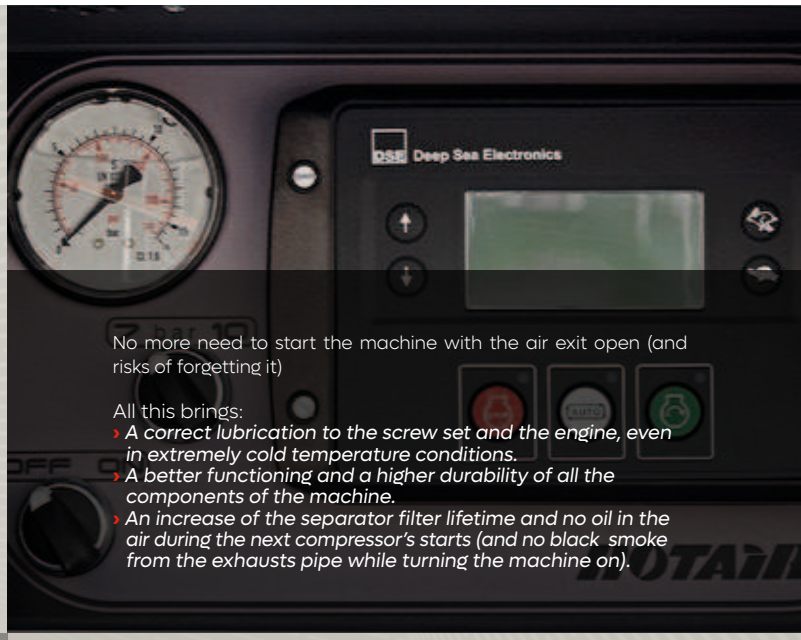
OTHER COUNTRIES.
For other Countries outside Europe, the local legislation shall be followed. ROTAIR can provide, upon request, the specific documents and drawings that could be requested for a national road homologation. The Dealer or end Customer shall provide the specifications that the machines shall 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.

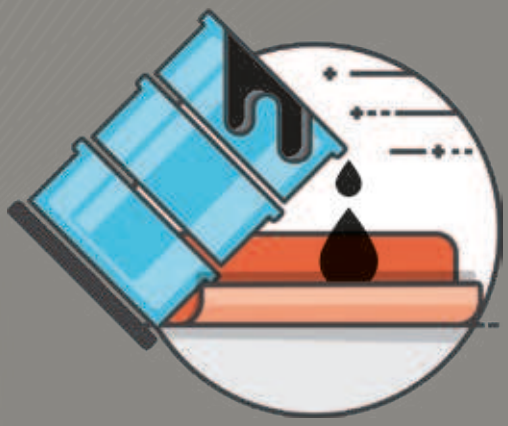
THE SAME IN TURNING OFF THE MACHINE AFTER A DEPRESSURISATION PHASE OF THE HYDRAULIC CIRCUIT, NO HAMMERING OF THE AIREND DUE TO ITS INERTIAL MOVEMENT, BUT A GRADUAL TURN-OFF.



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

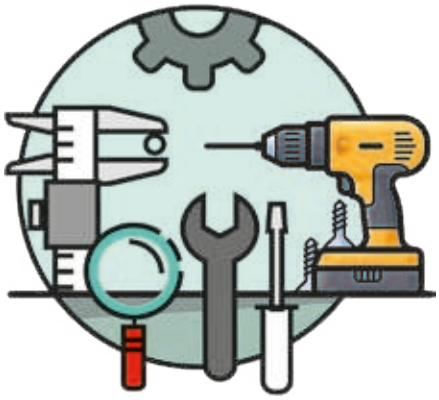
This exclusive device, only for ROTAIR portable compressors, offers the possibility to have your compressor protected from accidental spills of fluids on the ground.

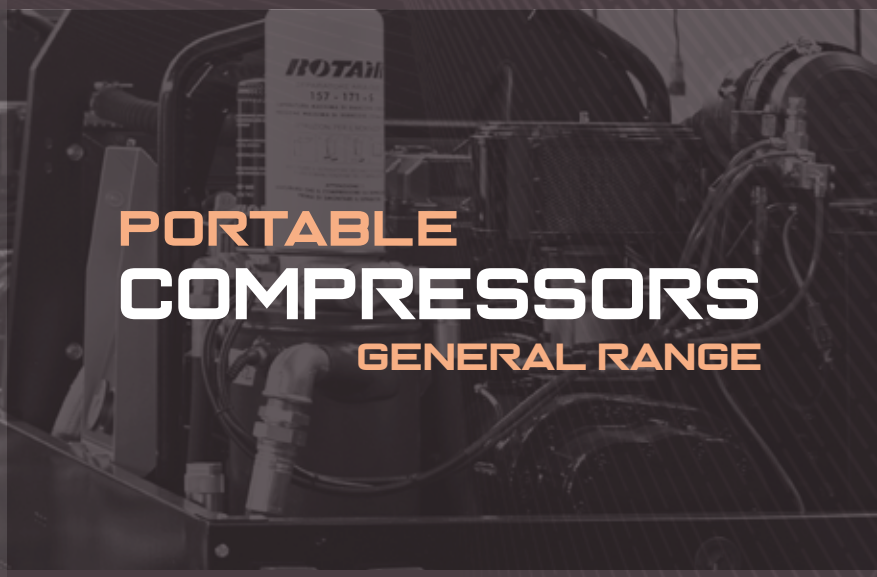
Removable yet solidly fixable to the compressor, it is the ultimate option where anti-spill is mandatorily required.

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

EASY MAINTENANCE

FULL ACCESSIBILITY FOR EASY AND RAPID MAINTENANCE AND SERVICE





PORTABLE COMPRESSORS

GENERAL RANGE

WARRANTY
DURATION
RELIABILTY

are assured with
THE EXCLUSIVE USE
of original spare parts

GENUINE SPARE PARTS PROGRAM

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ISO 9001:2015