

VERSIONS  
AVAILABLE:



SKID  
VERSION



FIXED  
TOWBAR



WITH BRAKE

| TECHNICAL DATA                   |        | MDVN 22 K                                                                           | MDVN 26 K  | MDVN 31 K    | MDVN 37 K    | MDVN 46 K    | MDVN 53 K    | MDVN 72 K    | MDVN 81 K       |
|----------------------------------|--------|-------------------------------------------------------------------------------------|------------|--------------|--------------|--------------|--------------|--------------|-----------------|
| FREE AIR DELIVERY<br>(ISO 1217)  | lt/min | 2000                                                                                | 2500       | 3000         | 3600         | 4500         | 5200         | 7100         | 8200            |
|                                  | CFM    | 71                                                                                  | 90         | 106          | 127          | 159          | 185          | 251          | 290             |
| OPERATING PRESSURE               | bar    | 6,5                                                                                 | 6,5        | 7            | 7            | 7            | 7            | 7            | 7               |
|                                  | psi    | 94                                                                                  | 94         | 102          | 102          | 102          | 102          | 102          | 102             |
|                                  |        | Possibility to have different operating pressures up to 14/15 bar and dual pressure |            |              |              |              |              |              |                 |
| TRANSMISSION<br>MOTOR-SCREW UNIT |        | Belt drive                                                                          | Belt drive | Direct drive | Direct drive | Direct drive | Direct drive | Direct drive | Direct drive    |
| ENGINE MAKE                      |        | Kubota                                                                              | Kubota     | Kubota       | Kubota       | Kubota       | Kubota       | Kubota       | Kubota          |
|                                  |        | D902-E3B                                                                            | D1105-E3B  | V-1505-E4B   | V-1505-E4B   | V2403-M-DI   | V2403-M-DI   | V-2607-DI-T  | V-3307-DI-T-E3B |
| ASPIRATION                       |        | Natural                                                                             | Natural    | Natural      | Natural      | Natural      | Natural      | Turbo        | Turbo           |
| COOLING SYSTEM                   |        | Water                                                                               | Water      | Water        | Water        | Water        | Water        | Water        | Water           |
| NO. ENGINE CYLINDER              |        | 3                                                                                   | 3          | 4            | 4            | 4            | 4            | 4            | 4               |
| ENGINE POWER                     | Kw     | 18.5                                                                                | 18.5       | 26.2         | 26.2         | 36.5         | 36.5         | 49.2         | 55.4            |
|                                  | Hp     | 25                                                                                  | 25         | 35           | 35           | 49           | 49           | 66           | 75              |
| MAX ENGINE                       | RPM    | 3600                                                                                | 3000       | 2650         | 3000         | 2450         | 2700         | 2700         | 2600            |
| MIN ENGINE                       | RPM    | 1900                                                                                | 1900       | 1600         | 1600         | 1600         | 1600         | 1600         | 1600            |
| LENGTH<br>(Without drawbar)      | mm     | 1478                                                                                | 1478       | 1600         | 1600         | 1780         | 1780         | 2100         | 2100            |
|                                  | inches | 58.2                                                                                | 58.2       | 63.0         | 63.0         | 70.1         | 70.1         | 82.7         | 82.7            |
| LENGTH<br>(With drawbar)         | mm     | 3020                                                                                | 3020       | 3015         | 3015         | 3191         | 3191         | 3491         | 3491            |
|                                  | inches | 118.9                                                                               | 118.9      | 118.7        | 118.7        | 125.6        | 125.6        | 137.4        | 137.4           |
| WIDTH                            | mm     | 1410                                                                                | 1410       | 1360         | 1360         | 1340         | 1340         | 1590         | 1590            |
|                                  | inches | 55.5                                                                                | 55.5       | 53.5         | 53.5         | 52.8         | 52.8         | 62.6         | 62.6            |
| HEIGHT                           | mm     | 1200                                                                                | 1200       | 1300         | 1300         | 1320         | 1320         | 1640         | 1640            |
|                                  | inches | 47.2                                                                                | 47.2       | 51.2         | 51.2         | 52.0         | 52.0         | 64.6         | 64.6            |
| WEIGHT<br>(Without Brakes)       | Kg     | 490                                                                                 | 550        | 680          | 680          | 850          | 850          | 1275         | 1375            |
|                                  | Lb     | 1080                                                                                | 1210       | 1499         | 1499         | 1874         | 1874         | 2811         | 3031            |
| WEIGHT<br>(With Brakes)          | Kg     | 580                                                                                 | 640        | 700          | 700          | 950          | 950          | 1400         | 1400            |
|                                  | Lb     | 1280                                                                                | 1411       | 1543         | 1543         | 2094         | 2094         | 3086         | 3086            |

MDVN Range / April 2015

ROTAIR®

TECHNOLOGY AND ENGINEERING SOLUTIONS



EUROPE



## MDVN RANGE PORTABLE COMPRESSORS

SUPERSILENT | POWERFUL & COMPACT



### MDVN RANGE

A vast range of motorized compressors capable of meeting the highly diverse and demanding needs of professionals in the field. The result of 40 years of ongoing experience, they feature a new and highly appealing design, and are both compact and powerful. Silent and highly reliable through time.

## A NEW WORKING CONCEPT!

A NEW  
WORKING  
CONCEPT!

SUPERSILENT PORTABLE  
SCREW COMPRESSORS  
POWERFUL & COMPACT

ROTAIR®

TECHNOLOGY AND ENGINEERING SOLUTIONS

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Azienda certificata ISO 9001:2000



## Main features

- New, modern design with a more aggressive and streamlined look
- Compact dimensions for handling ease, whilst at the same offering high performance levels
- Environmental respect: the general acoustic pressure levels are at the lowest levels as indicated in the current legislative limits
- Motorization system using liquid cooling system only, which is more reliable and less noisy
- Special "BS" sandblasting version that includes a compressed air cooling radiator and an automatic condensation separator to ensure the delivery of de-humified air.
- Protection device for cold starting of the diesel engine.



The respect of ordinary maintenance intervals and the use of genuine spare parts ensure constant and optimal performances and a reliable durability through time

## MDVN RANGE

ROTAIR  
TECHNOLOGY  
ENGINEERING  
SOLUTIONS



## Why Rotair...

- For its over 40 years of experience in the compressor manufacturing field.
- For the ease and versatility of use of its products; available with:
  - operating pressure up to 14/15 bar-203/218 psi
  - personalized fittings: skid-mounted versions, "BS special sand-blasting" versions.
- fittings ideal for fast towing with lighting system and homologated for road circulation.
- Thanks to the highly advanced technological input and the intrinsic quality of its machines which have been further improved and enhanced.
- Thanks to its reduced and simplified maintenance needs of its "easy maintenance" system of easily accessible service points.
- Thanks to the high quality of the construction processes used to ensure constant reliability and the enhanced value of the product through time.

An exclusive device (option) allowing to reduce up to 20%\* the fuel consumption!

-20%

SAVING FUEL

Less environmental pollution!  
More operative autonomy!  
Lower hourly costs!

Another important reason to choose ROTAIR quality...

\*Variable consumption depending on working times and cycles



COMFORTABLE

**FUEL TANK**  
made of transparent plastic material for immediate level checking. Also fitted with a wide filler inlet.



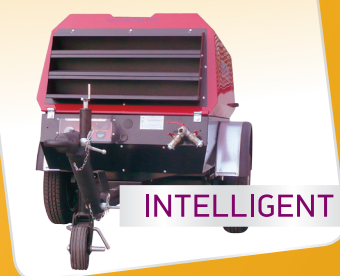
RELIABLE

**EASY MAINTENANCE**  
layout clean and easy for a quick and efficient maintenance and control



RESISTANT

**MUDGUARDS**  
in resistant and highly non-deformable material.



INTELLIGENT

**START/STOP SYSTEM**  
aptly known as the "INTELLIGENT SYSTEM" which prevents the risk of any incorrect procedures during specific functioning.



FUNCTIONAL

**CONTROL BOARD**  
complete and fully functional using a "NO KEY" system. So that no keys are needed for internal access to the unit and for its ignition.

EXCLUSIVE



**SCREW SET ENTIRELY DESIGNED AND MANUFACTURED BY ROTAIR** with ground profile of Rotair exclusive manufacture and design, guaranteed for 2 years regardless of the total number of working hours involved. 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.