

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!

ISO 9001

BUREAU VERITAS
Certification



Azienda certificata ISO 9001:2000



Why Rotair...

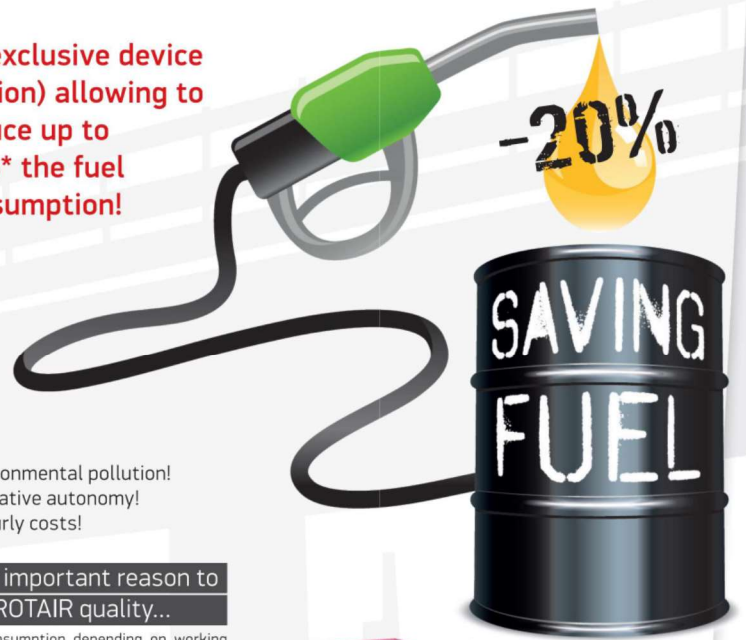
- For its over 40 years of experience in the compressor manufacturing field.
- For the ease and versatility of use of its products; available with:
 - operating pressure up to 14/15 bar-203/218 psi
 - personalized fittings: skid-mounted versions, "BS special sand-blasting" versions.
 - fittings ideal 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!

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

Another important reason to choose ROTAIR quality...

*Variable consumption depending on working times and cycles



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.

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-humidified 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

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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.

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 (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
<i>Possibility to have different operating pressures up to 14/15 bar and dual pressure</i>									
TRANSMISSION 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 (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 (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 (Without Brakes)	Kg	490	550	680	680	850	850	1275	1375
	Lb	1080	1210	1499	1499	1874	1874	2811	3031
WEIGHT (With Brakes)	Kg	580	640	700	700	950	950	1400	1400
	Lb	1280	1411	1543	1543	2094	2094	3086	3086

NOISE LEVEL ACCORDING TO EC STANDARDS N. 2000/14. For any version in a different pressure, characteristics are supplied upon request. The manufacturer reserves the right to modify the technical features mentioned here without prior notice. All images and pictures are indicative. Data can be changed without prior notice.

MDVN Range / April 2015

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