

VERSIONS  
AVAILABLE:



SKID  
VERSION



FIXED  
TOWBAR



WITH BRAKE

TECHNICAL DATA		MDVN 22 K	MDVN 26 K	MDVN 31 K	MDVN 31 P	MDVN 37 K	MDVN 37 P	MDVN 46 K	MDVN 46 P
FREE AIR DELIVERY (ISO 1217)	lt/min	2000	2500	3000	3000	3600	3600	4500	4500
	CFM	71	90	106	106	127	127	159	159
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 MOTOR-SCREW UNIT		Belt drive	Belt drive	Direct drive	Direct drive	Direct drive	Direct drive	Direct drive	Direct drive
ENGINE MAKE		Kubota	Kubota	Kubota	Perkins	Kubota	Perkins	Kubota	Perkins
		D902-E3B	D1105-E3B	V-1505-E4B	403D-15	V-1505-E4B	403D-15	V2403-M-DI	404D-22
ASPIRATION		Natural	Natural	Natural	Natural	Natural	Natural	Natural	Natural
COOLING SYSTEM		Water	Water	Water	Water	Water	Water	Water	Water
NO. ENGINE CYLINDER		3	3	4	3	4	3	4	4
ENGINE POWER	Kw	18,5	18,5	26,2	25	26,2	25	36,5	37
	Hp	25	25	35	34	35	34	49	50
MAX ENGINE	RPM	3600	3000	2650	2700	3000	3000	2450	2500
MIN ENGINE	RPM	1900	1900	1600	1900	1600	1900	1600	1700
LENGTH (without drawbar)	mm	1478	1478	1600	1600	1600	1600	1780	1780
	inches	58.2	58.2	63.0	63.0	63.0	63.0	70.1	70.1
LENGTH (with drawbar)	mm	3020	3020	3015	3015	3015	3015	3191	3191
	inches	118.9	118.9	118.7	118.7	118.7	118.7	125.6	125.6
WIDTH	mm	1410	1410	1360	1360	1360	1360	1340	1340
	inches	55.5	55.5	53.5	53.5	53.5	53.5	52.8	52.8
HEIGHT	mm	1200	1200	1300	1300	1300	1300	1320	1320
	inches	47.2	47.2	51.2	51.2	51.2	51.2	52.0	52.0
WEIGHT (Without Brakes)	Kg	490	550	680	650	680	650	850	870
	Lb	1080	1210	1499	1433	1499	1433	1874	1918
WEIGHT (With Brakes)	Kg	580	640	700	660	700	660	950	925
	Lb	1280	1411	1543	1455	1543	1455	2094	2039
TECHNICAL DATA		MDVN 53 K	MDVN 53 P	MDVN 53 PTA	MDVN 72 D	MDVN 72 K	MDVN 81 D	MDVN 81 K	MDVN 86 D
FREE AIR DELIVERY (ISO 1217)	lt/min	5200	5200	5200	7100	7100	8000	8200	8500
	CFM	185	185	185	251	251	283	290	300
OPERATING PRESSURE	bar	7	7	7	7	7	8	7	7
	psi	102	102	102	102	102	116	102	102
The machines can be obtained with different pressures, up to 14/15 bar and the option double pressure									
TRANSMISSION MOTOR-SCREW UNIT		Direct drive	Direct drive	Direct drive	Direct drive	Direct drive	Direct drive	Direct drive	Direct drive
ENGINE MAKE		Kubota	Perkins	Perkins	Deutz	Kubota	Deutz	Kubota	Deutz
		V2403-M-DI	404D-22	404D-22T	F4M2011	V-2607-DI-T	BF4M2011	V-3307-DI-T-E3B	BF4M2011
ASPIRATION		Natural	Natural	Turbo	Natural	Turbo	Turbo	Turbo	Turbo
COOLING SYSTEM		Water	Water	Water	Oil	Water	Oil	Water	Oil
NO. ENGINE CYLINDER		4	4	4	4	4	4	4	4
ENGINE POWER	Kw	36,5	37	45,5	48,5	49,2	65	55,4	65
	Hp	49	50	61	65	66	88	75	88
MAX ENGINE	RPM	2700	2900	2900	2800	2700	2800	2600	2800
MIN ENGINE	RPM	1600	1700	1700	1800	1600	1800	1600	1800
LENGTH (without drawbar)	mm	1780	1780	1835	2100	2100	2100	2100	2100
	inches	70.1	70.1	72.2	82.7	82.7	82.7	82.7	82.7
LENGTH (with drawbar)	mm	3191	3191	3191	3491	3491	3491	3491	3491
	inches	125.6	125.6	125.6	137.4	137.4	137.4	137.4	137.4
WIDTH	mm	1340	1340	1515	1590	1590	1590	1590	1590
	inches	52.8	52.8	59.6	62.6	62.6	62.6	62.6	62.6
HEIGHT	mm	1320	1320	1530	1640	1640	1640	1640	1640
	inches	52.0	52.0	60.2	64.6	64.6	64.6	64.6	64.6
WEIGHT (Without Brakes)	Kg	850	870	870	1280	1275	1370	1375	1370
	Lb	1874	1918	1918	2822	2811	3020	3031	3020
WEIGHT (With Brakes)	Kg	950	925	925	1380	1400	1460	1400	1460
	Lb	2094	2039	2039	3042	3086	3219	3086	3219

A NEW  
WORKING  
CONCEPT!  
SUPERSILENT PORTABLE  
SCREW COMPRESSORS  
POWERFUL & COMPACT

**ROTAIR®**  
TECHNOLOGY AND ENGINEERING SOLUTIONS  
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**ROTAIR®**

TECHNOLOGY AND ENGINEERING SOLUTIONS



## 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!





## Main features

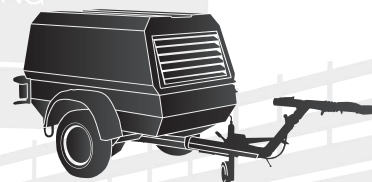
- New, modern design with a more aggressive and streamlined look
- Compact dimensions for handling ease, whilst at the same offering high performance levels
- Environmental respect: the general acoustic pressure levels are at the lowest levels as indicated in the current legislative limits
- Motorization 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.



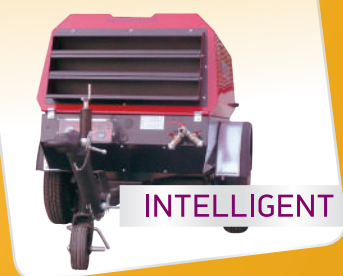
RELIABLE

**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.