



ROTAIR®

TECHNOLOGY AND ENGINEERING SOLUTIONS

TECHNICAL DATA	95 JCB12	105 JCB10	120 JCB7	95 P12	105 P10	120 P7	170 JCB14	170 JCB12	170 JCB10	170 JCB7
Free air delivery	10000 lt/min 353 CFM	11000 lt/min 388 CFM	12000 lt/min 424 CFM	10000 lt/min 353 CFM	10500 lt/min 371 CFM	12000 lt/min 424 CFM	11950 lt/min 422 CFM	13000 lt/min 459 CFM	15000 lt/min 530 CFM	17000 lt/min 600 CFM
Operating pressure	12 bar 174 psi	10 bar 145 psi	7 bar 102 psi	12 bar 174 psi	10 bar 145 psi	7 bar 102 psi	14 bar 203 psi	12 bar 174 psi	10 bar 145 psi	7 bar 102 psi
Engine type (CEE)	JCB 444-TCAE	JCB 444-TCAE	JCB 444-TCAE	PERKINS 1104D-E44TA	PERKINS 1104D-E44TA	PERKINS 1104D-E44TA	JCB 444-TCAE	JCB 444-TCAE	JCB 444-TCAE	JCB 444-TCAE
Engine type (extra CEE)	JCB 444-TCA	JCB 444-TCA	JCB 444-TCA	PERKINS 1104C-44TA	PERKINS 1104C-44TA	PERKINS 1104C-44TA	JCB 444-TCAE	JCB 444-TCAE	JCB 444-TCAE	JCB 444-TCAE
Engine power kW	93 kW	93 kW	93 kW	96,5 kW	96,5 kW	96,5 kW	120 kW	120 kW	120 kW	120 kW
Max engine RPM	2200	2200	2200	2200	2200	2200	2200	2200	2200	2200
Min engine RPM	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600
Length without drawbar	3458 mm 136,1 inches	3458 mm 136,1 inches	3458 mm 136,1 inches	3458 mm 136,1 inches	3458 mm 136,1 inches	3458 mm 136,1 inches	3458 mm 136,1 inches	3458 mm 136,1 inches	3458 mm 136,1 inches	3458 mm 136,1 inches
Length with drawbar	4534 mm 178,5 inches	4534 mm 178,5 inches	4534 mm 178,5 inches	4534 mm 178,5 inches	4534 mm 178,5 inches	4534 mm 178,5 inches	4534 mm 178,5 inches	4534 mm 178,5 inches	4534 mm 178,5 inches	4534 mm 178,5 inches
Width	1980 mm 77,9 inches	1980 mm 77,9 inches	1980 mm 77,9 inches	1980 mm 77,9 inches	1980 mm 77,9 inches	1980 mm 77,9 inches	1980 mm 77,9 inches	1980 mm 77,9 inches	1980 mm 77,9 inches	1980 mm 77,9 inches
Height	2137 mm 84,1 inches	2137 mm 84,1 inches	2137 mm 84,1 inches	2137 mm 84,1 inches	2137 mm 84,1 inches	2137 mm 84,1 inches	2137 mm 84,1 inches	2137 mm 84,1 inches	2137 mm 84,1 inches	2137 mm 84,1 inches
Weight without brake	1920 kg 4232 lbs	1920 kg 4232 lbs	1920 kg 4232 lbs	1820 kg 4012 lbs	1820 kg 4012 lbs	1820 kg 4012 lbs	2200 kg 4850 lbs	2200 kg 4850 lbs	2200 kg 4850 lbs	2200 kg 4850 lbs
Weight with brake	2020 kg 4453 lbs	2020 kg 4453 lbs	2020 kg 4453 lbs	1920 kg 4232 lbs	1920 kg 4232 lbs	1920 kg 4232 lbs	2300 kg 5070 lbs	2300 kg 5070 lbs	2300 kg 5070 lbs	2300 kg 5070 lbs

TECHNICAL DATA	150 P12	165 P10	185 P8	190 P14	200 P12	230 P10	255 P8	
Free air delivery	15000 lt/min 530 CFM	16500 lt/min 583 CFM	18500 lt/min 653 CFM	18500 lt/min 653 CFM	20500 lt/min 723 CFM	22700 lt/min 802 CFM	25300 lt/min 893 CFM	(*) = without drawbar (**) = max with drawbar
Operating pressure	12 bar 174 psi	10 bar 145 psi	8 bar 116 psi	14 bar 203 psi	12 bar 174 psi	10 bar 145 psi	8 bar 116 psi	
Engine type (CEE)	PERKINS 1106D-E66TA	PERKINS 1106D-E66TA	PERKINS 1106D-E66TA	CUMMINS QSB 6.7	CUMMINS QSB 6.7	CUMMINS QSB 6.7	CUMMINS QSB 6.7	
Engine type (extra CEE)	PERKINS 1106D-E66TA	PERKINS 1106D-E66TA	PERKINS 1106D-E66TA	CUMMINS QSB 6.7	CUMMINS QSB 6.7	CUMMINS QSB 6.7	CUMMINS QSB 6.7	
Engine power kW	136 kW	136 kW	136 kW	194 kW	194 kW	194 kW	194 kW	
Max engine RPM	2200	2200	2000	2000	2000	2000	2000	
Min engine RPM	1100	1100	1100	1200	1200	1200	1200	
Length without drawbar	4242 mm 167,0 inches	4242 mm 167,0 inches	4242 mm 167,0 inches	4733 mm 186,3 inches	4733 mm 186,3 inches	4733 mm 186,3 inches	4733 mm 186,3 inches	
Length with drawbar	4713 mm 185,6 inches	4713 mm 185,6 inches	4713 mm 185,6 inches	6142 mm 241,8 inches	6142 mm 241,8 inches	6142 mm 241,8 inches	6142 mm 241,8 inches	
Width	1960 mm 77,1 inches	1960 mm 77,1 inches	1960 mm 77,1 inches	1960 mm 77,1 inches	1960 mm 77,1 inches	1960 mm 77,1 inches	1960 mm 77,1 inches	
Height	2455 mm 96,7 inches	2455 mm 96,7 inches	2455 mm 96,7 inches	2240 mm 88,2 inches	2240 mm 88,2 inches	2240 mm 88,2 inches	2240 mm 88,2 inches	
Weight without brake	2600 kg 5732 lbs	2600 kg 5732 lbs	2600 kg 5732 lbs	3200 kg 7055 lbs	3200 kg 7055 lbs	3200 kg 7055 lbs	3200 kg 7055 lbs	
Weight with brake	-	-	-	3250 kg 7165 lbs	3250 kg 7165 lbs	3250 kg 7165 lbs	3250 kg 7165 lbs	



MDVS RANGE

PORTABLE COMPRESSORS

SUPERSILENT | POWERFUL & COMPACT



MDVS 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
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CONCEPT!**

SUPERSILENT PORTABLE
SCREW COMPRESSORS
POWERFUL & COMPACT

ROTAIR®

TECHNOLOGY AND ENGINEERING SOLUTIONS

Via Bernezzo, 67 - 12023 Caraglio (Cn) ITALY
Tel: +39 0171.619676 / Fax: +39 0171.619677

www.rotairspa.com • info@rotairspa.com



Azienda certificata ISO 9001:2000



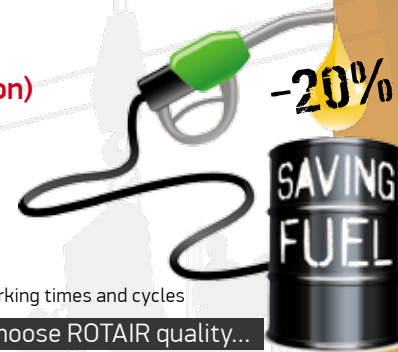
MDVS/Marzo 2013/rev02

NOMI E LIVELLI SECONDO LE NORME CEI 021/14. Per ogni versione in un'altra lingua, le caratteristiche tecniche sono quelle riportate in questa brochure. Il produttore si riserva il diritto di modificare le caratteristiche tecniche senza preavviso.

Main features...

- New, modern design with a more aggressive and streamlined look
- 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, less noisy and less pollutant
- Protection device for cold starting of the diesel engine.
- Low fuel consumption compared to the delivered power, thanks to the automatic progressive acceleration device "low energy cost", lowering the endothermic motor revolutions to minimum rotations foreseen when no delivered air is requested.
- Over-sized fuel tank capacity, granting correct group feeding for a time much longer than a standard shift.
- "BS sandblasting special" device on request, suitable to use the groups within sandblasting operations or to operate high-performance pneumatic tools within quarries and mines. The "BS" device has got a cooler of the outlet compressed air with a valve discharging the moisture generated by dehumidifying the delivered compressed air.

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



*Variable consumption depending on working times and cycles

Another important reason to choose ROTAIR quality...

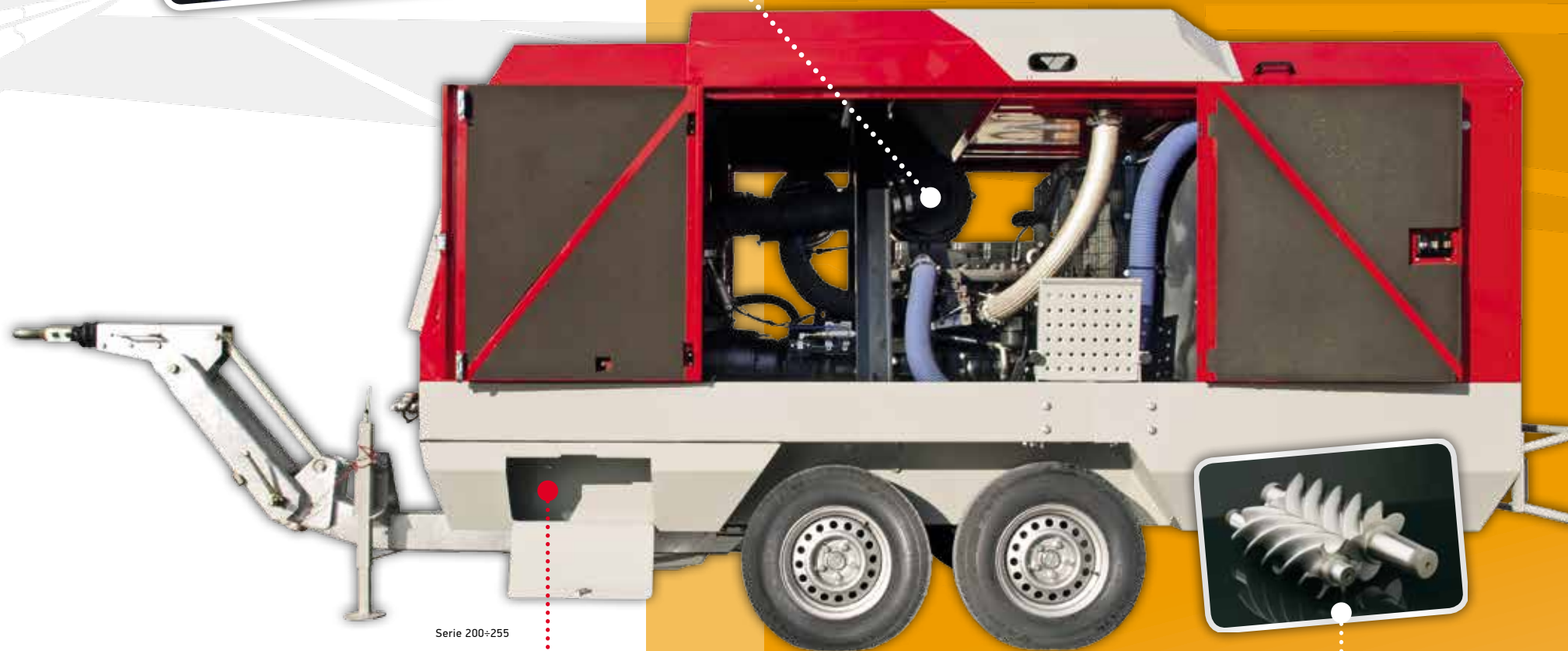
Less environmental pollution! - More operative autonomy! - Lower hourly costs!



Start/Stop system aptly known as the "Intelligent System" which prevents the risk of any incorrect procedures during specific functioning.

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.

Cooling high-efficiency combined liquid/oil radiator with a widely dimensioned cooling surface to grant the efficiency of the group in tropical environmental conditions.



Serie 200÷255

- Maximum ease in access to the mechanical parts and to service points, thanks to the wide inner spaces and to the wide access doors, facilitating the servicing operations, to the operator's advantage and with lower servicing costs.
- Equipped with single sprung axle from model MDVS 95 to model MDVS 120 included and with double sprung axle in tandem from model MDVS 150 to model MDVS 255.
- Drawbars for slow towing inside the building yard with parking brake and mechanical distance brake (optional).

Tools and documents holder compartment essential for the storage of the relative machine documentation and accessories.

Screw set with ground profile 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. This solution reduces wear of the screw set and overheating, ensures reduced noise emissions and fuel consumption savings.

