ROTAIR

SPECIAL NEW MODELS

MDVN 32B 34E

delivering
WORLD-CLASS Compressors

›› *ROTAIR - SaMoTer*

ROTAIR HAS RECEIVED THE PRESTIGIOUS
SAMOTER INNOVATION AWARD
FOR ITS NEW COMPRESSOR MODELS:

- *PETROL-POWERED MODEL* ›› ***MDVN 32B***
- *ELECTRIC-POWERED MODEL* ›› ***MDVN 34E***

The two models were awarded in the **"OTHER MACHINES | UTILITY"** category for the technical and technological advancements they offer to the construction industry, thanks to their operational flexibility, sustainable electrification, and ability to solve real-world construction site issues.

The award, recognised by a prestigious jury of Experts of earth moving and infrastructure construction within **SaMoTer**, the most important trade fair for earthmoving machinery, construction sites, and construction, represents a great recognition for ***ROTAIR***'s constant commitment to innovation and investment in new technologies.
Our main goal is to provide customers with the best construction machinery on the market, and this award is tangible evidence of our success.

SCREW SET ENTIRELY DESIGNED AND MANUFACTURED BY ROTAIR

WITH GROUND PROFILE
OF ROTAIR EXCLUSIVE PATENTED
MANUFACTURE AND DESIGN

FOR OWN USE AND B2B APPLICATIONS.

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.

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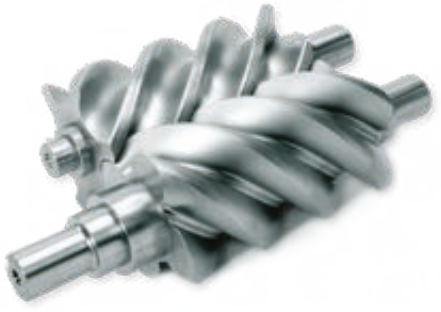

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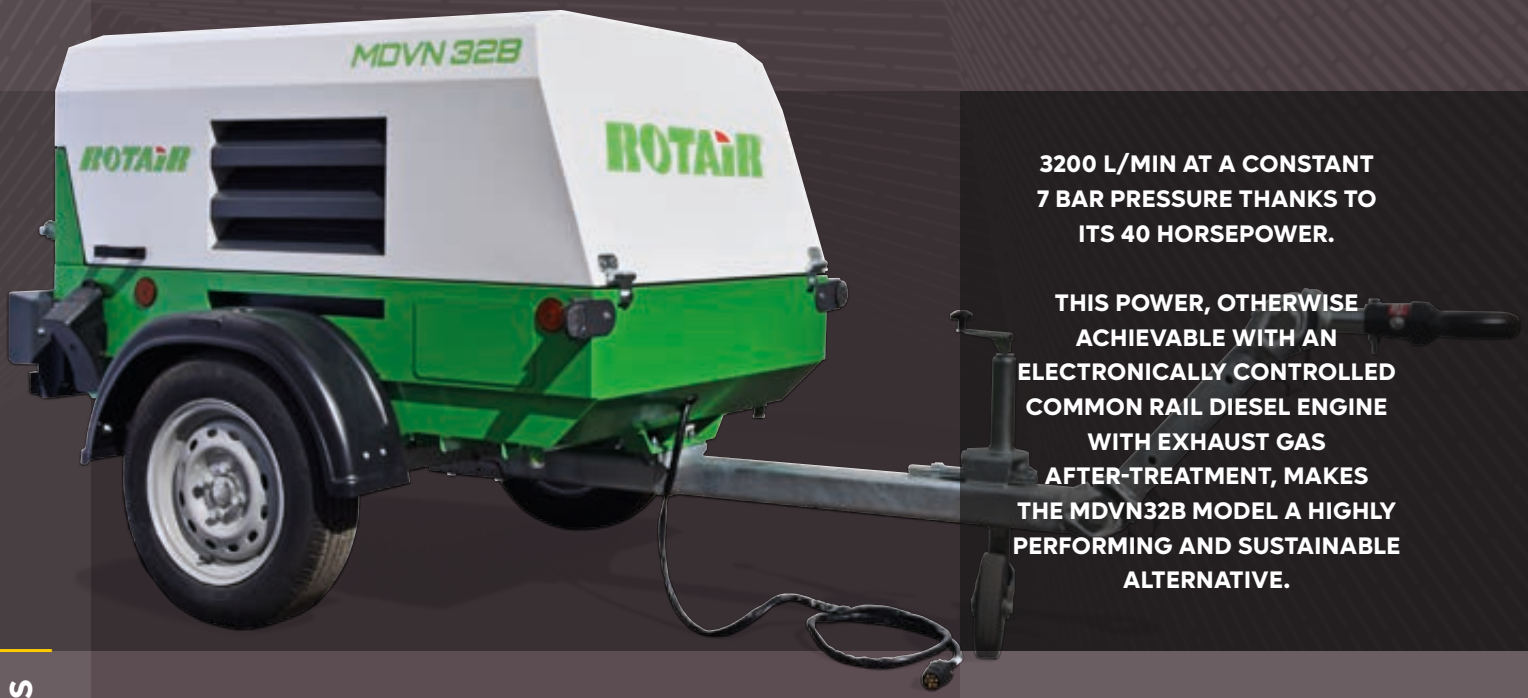
MDVN 32B

STAGE V ENDOTHERMIC ENGINE

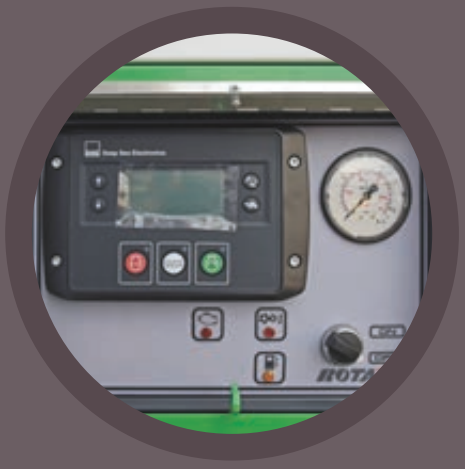


3200 L/MIN AT A CONSTANT 7 BAR PRESSURE THANKS TO ITS 40 HORSEPOWER.

THIS POWER, OTHERWISE ACHIEVABLE WITH AN ELECTRONICALLY CONTROLLED COMMON RAIL DIESEL ENGINE WITH EXHAUST GAS AFTER-TREATMENT, MAKES THE MDVN32B MODEL A HIGHLY PERFORMING AND SUSTAINABLE ALTERNATIVE.

Special **NEW MODELS**

- Filters “spin-on” type for quick maintenance.
- Full accessibility for easy and rapid maintenance and service.
- Exclusive pneumatic control system, developed by ROTAIR, to adjust automatically engine revs, depending on the air to be delivered. This system is highly reliable and ensures fuel consumption saving.
- Start/stop “INTELLIGENT SYSTEM”, exclusive from ROTAIR, to prevent the risk of incorrect procedures during specific functioning.
- Air/oil separator filter, highly oversized, 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.
- Single stage oversized air filter for compressor part, to guarantee good filtering of the air intake by airend.
- Combined radiator allowing both compressor oil cooling and engine liquid cooling.
- Operating running costs lower than a Diesel engine of the same power.



MDVN 32B

L = 2710 mm / 106.69"
W = 1365 mm / 53.74"
H = 1285 mm / 50.59"

545 kg / 1202 lbs

COMPRESSOR

Max operation pressure	**7 bar - 102 psi**
Free Air Delivery	**3200 lt/min - 113 cfm**
Minimum working pressure	**4,5 bar - 65 psi**
Drive system engine-airend	**Belt driven**
Compressor cooling system	**Air / Oil**
Oil cooling capacity	**7 lt - 1.5 UK gal**
Noise level EECno 2000/14	**< 97 LWA**
Battery capacity	**12V cc - 45Ah**
Fuel tank capacity	**60 lt - 13.2 UK gal**
Consumes	**max 12,2 lt/h - 2.7 UK gal/h**

PETROL ENGINE

Engine make	**Briggs&Stratton**
Engine type	**Gasoline**
Engine system	**4 strokes**
Emissions	**Stage V**
Displacement	**896 cc**
N. cylinders	**2**
Aspiration	**Natural**
Max Engine speed	**3100 RPM**
Min Engine speed	**1800 RPM**
Cooling system	**Air**
Lubrication system	**Oil**
Lubrication system capacity	**2,4 lt - 0.53 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 / +48°C | 14°F / 118°F**

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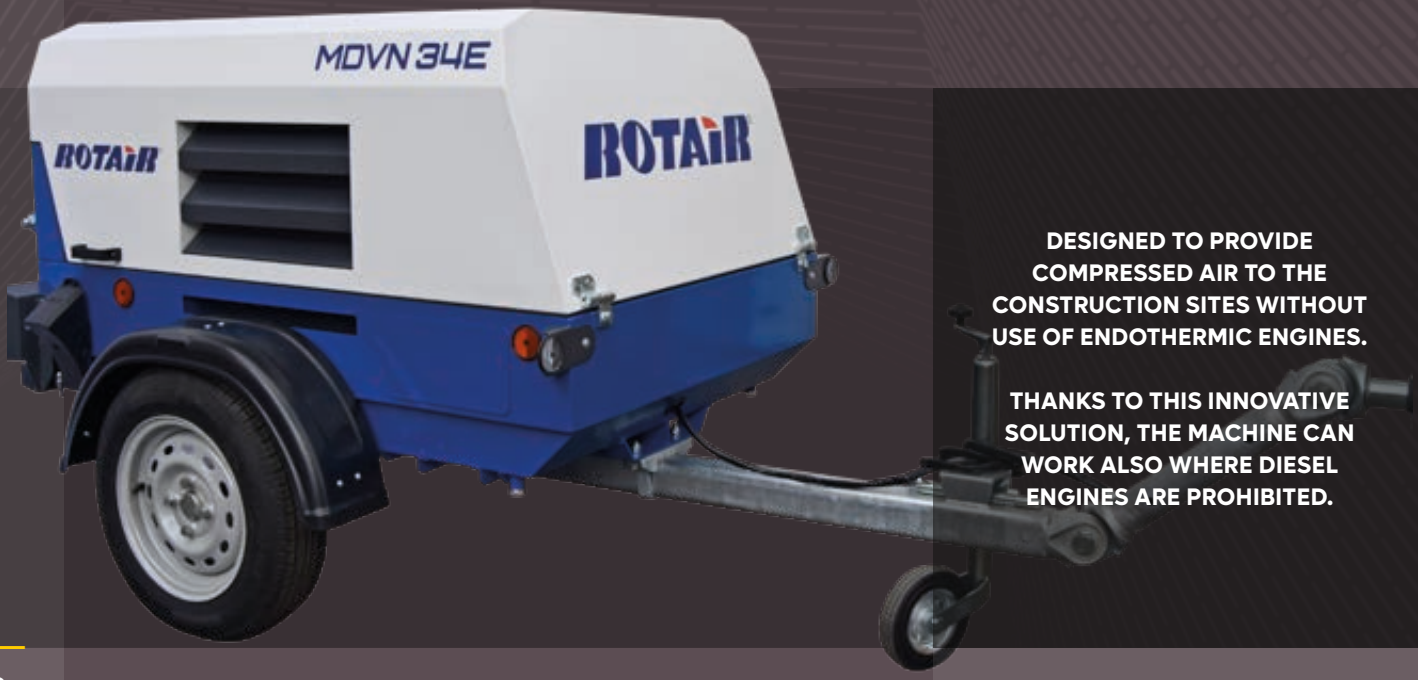
MDVN 34E

INNOVATIVE ELECTRIC SOLUTION

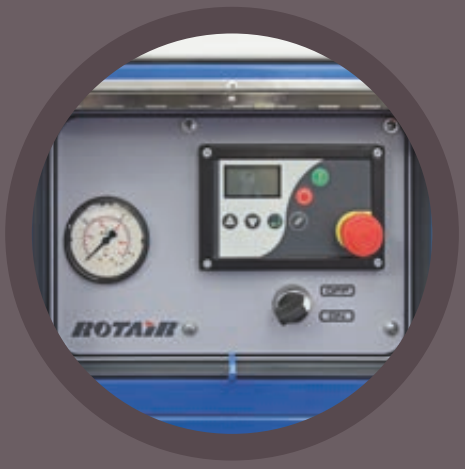


DESIGNED TO PROVIDE COMPRESSED AIR TO THE CONSTRUCTION SITES WITHOUT USE OF ENDOTHERMIC ENGINES.

THANKS TO THIS INNOVATIVE SOLUTION, THE MACHINE CAN WORK ALSO WHERE DIESEL ENGINES ARE PROHIBITED.

Special **NEW MODELS**

- Quiet and suitable for use in residential areas, areas with noise restrictions, and urban areas where the use of thermal engines for construction machinery is prohibited.
- High reliability and fewer problems of wear and degradation of parts compared to internal combustion engines.
- Zero CO_2 emissions in an ecological green deal perspective. Suitable for use in closed environments or environmentally sensitive areas.
- Less maintenance and less prone to failures.
- Ease of use and quick start-up.
- Lower long-term operating costs.



MDVN 34E

L = 2710 mm / 106.69"
W = 1365 mm / 53.74"
H = 1285 mm / 50.59"

680 kg / 1499 lbs

COMPRESSOR

Max operation pressure	**7 bar - 102 psi**
Free Air Delivery	**3400 lt/min - 120 cfm**
Minimum working pressure	**4,5 bar - 65 psi**
Drive system engine-airend	**Direct**
Compressor cooling system	**Air / Oil**
Oil cooling capacity	**7 lt - 1.5 UK gal**
Noise level EECno 2000/14	**< 97 LWA**

ELECTRIC ENGINE

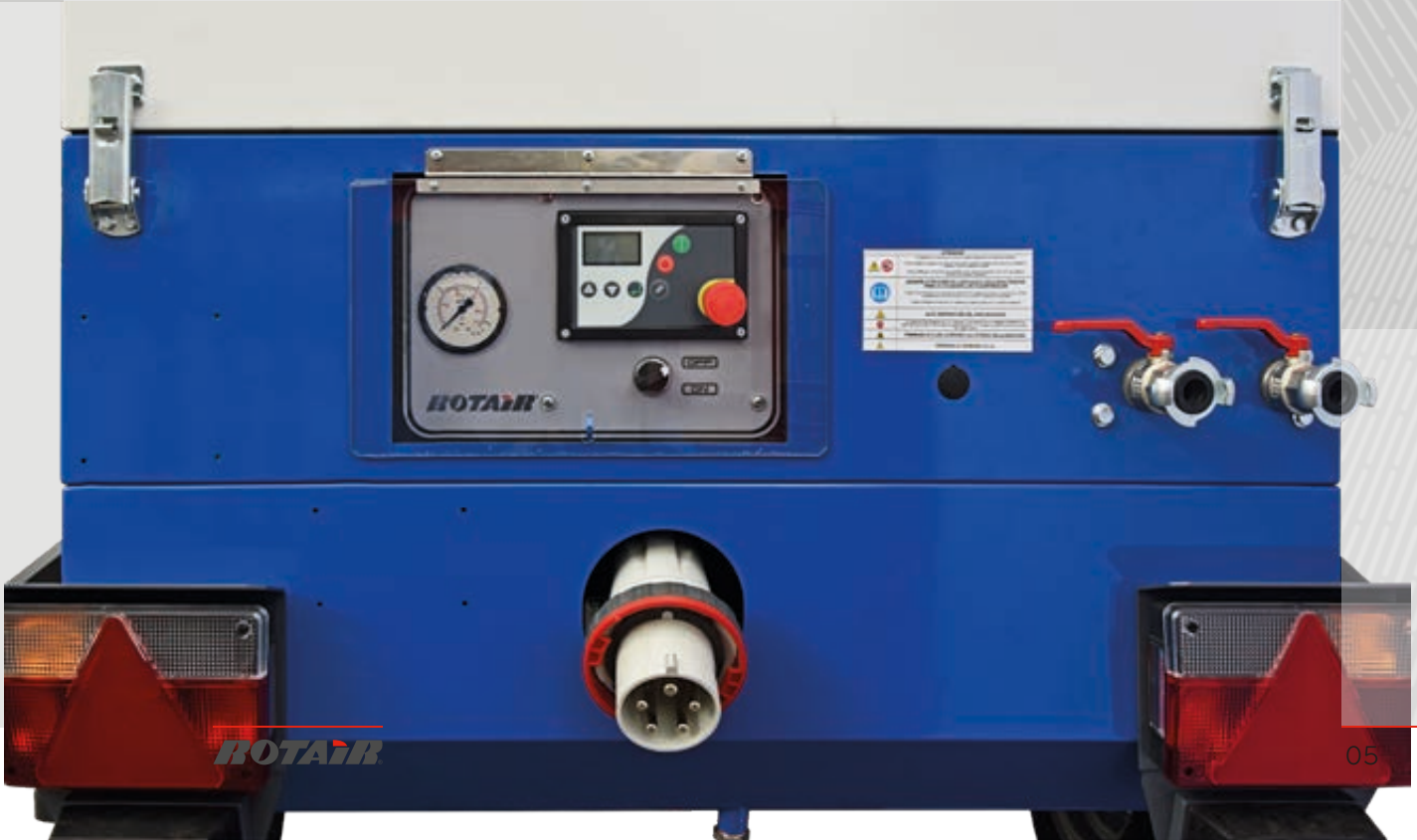
Engine make	**Siemens**
Engine type	**Electric**
Max Engine speed	**3000 RPM**
Cooling system	**Air**
Lubrication system	**Oil**

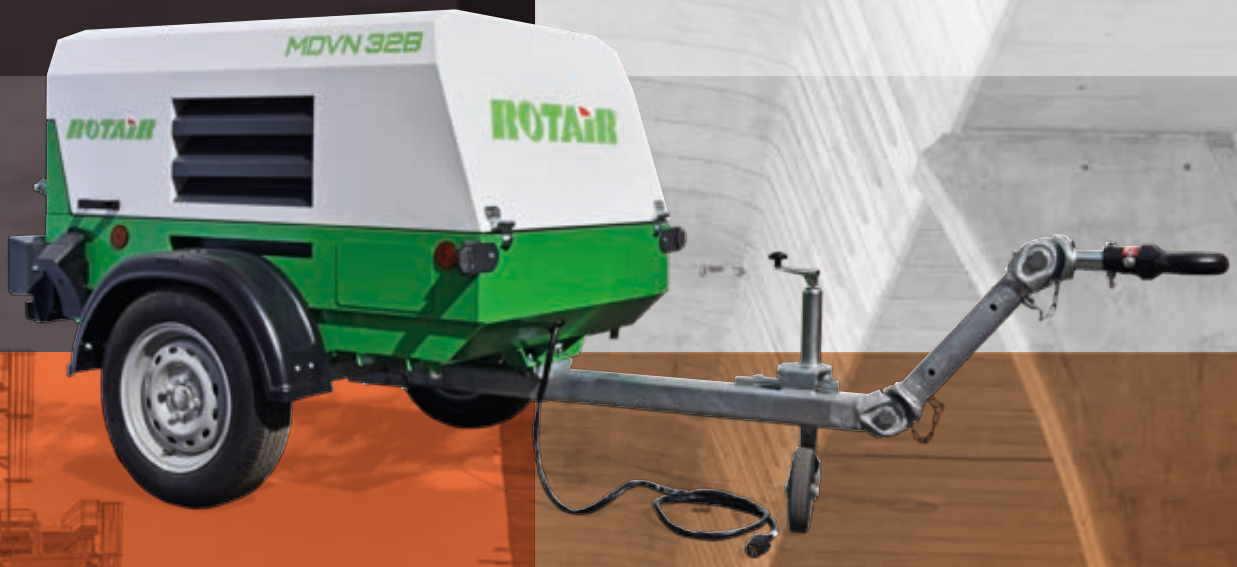
QUALITY OF AIR

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 / +48°C | 14°F / 118°F**





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Delivering WORLD CLASS Compressors

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Azienda certificata
ISO 9001:2015

ISO 9001 BUREAU VERITAS Certification