



PTO COMPRESSORS

Power take-over

**Air compressors for
OEM applications**



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ABOUT US

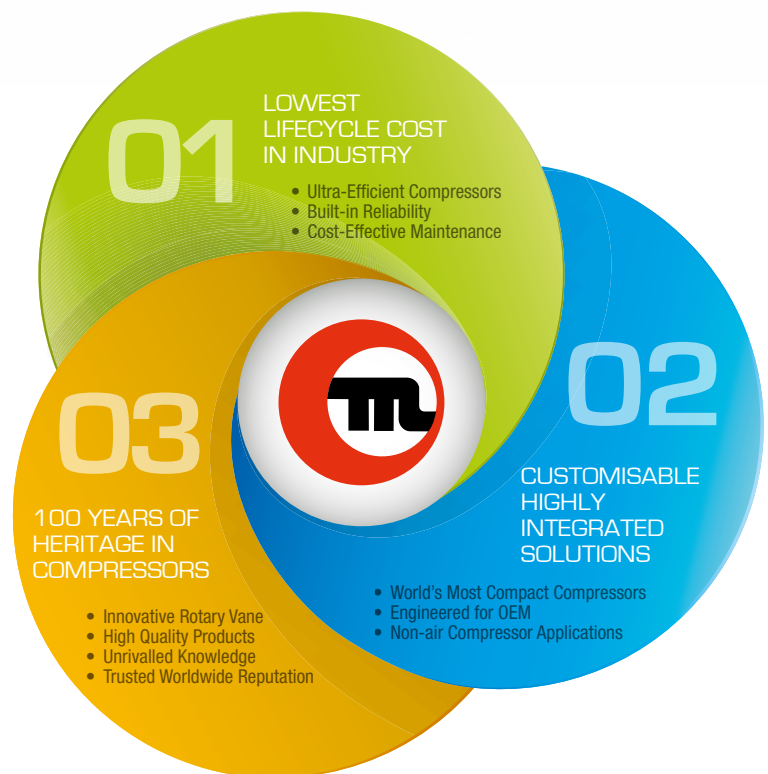
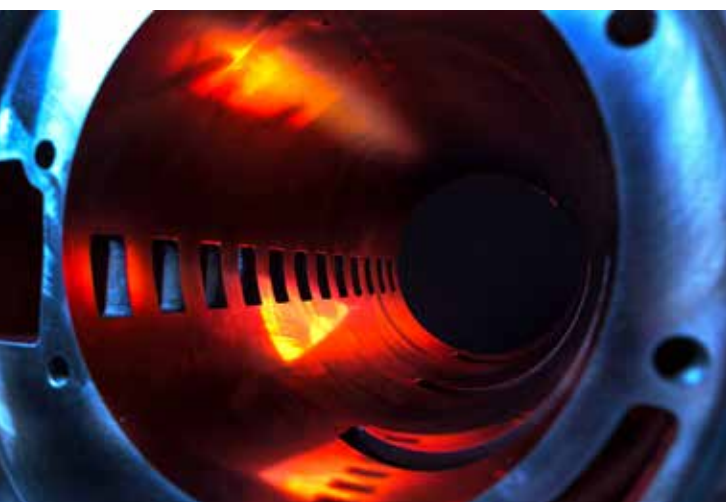
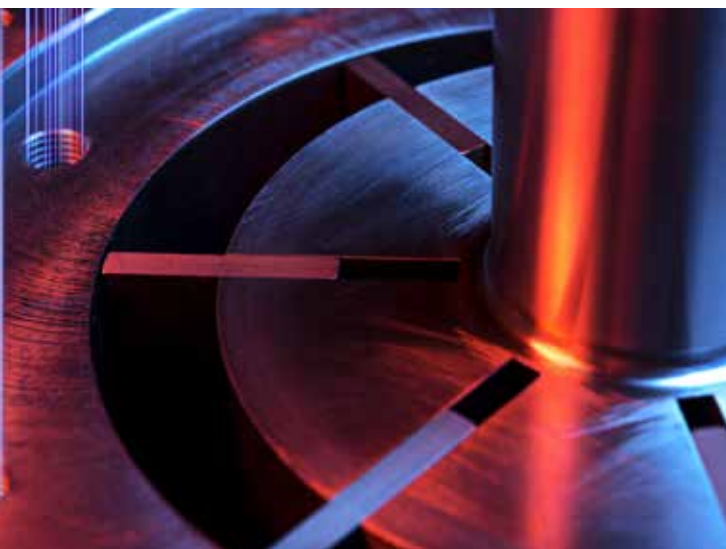
Ing. Enea Mattei SpA is an Italian company that has been producing air compressors since 1919. Over the years, the company has continually evolved and is today one of the world's foremost companies in the compressed air sector and the leader in the production of rotary vane compressors. Behind the success of Mattei are the choices the company has made in terms of design, production and marketing, driven by the results of its continual and in-depth research and development programmes.

Part of this development programme has been the design and manufacture of air compressor packages specifically for OEM applications.

MATTEI FOR OEM APPLICATIONS

Mattei air ends are ideally suited for all "oem" applications because of the pure smooth rotary vane compression principle.

Mattei rotary vane technology delivers high quality clean air, compact size and low noise level coupled with unrivalled reliability in the most demanding of environments. Mattei design integration allows the compressor to be powered by any type of power system: electric and hydraulic motors, internal combustion or through take-offs.



**MATTEI
VALUE
PROPOSITION**



CERTIFIED QUALITY

Quality as an integral part of all company functions and constant improvement of all production processes so as to always guarantee the maximum level of reliability and satisfaction.

This, in brief, is the value and the meaning of Mattei's operational philosophy. A way of approaching the market and customers that makes Mattei an absolute point of reference in the compressed air sector.

Since 1994, Mattei has been operating with a Quality System certified by the DNV Institute under UNI EN ISO 9001 regulations.

SIMPLY DIFFERENT

The compressor that makes a difference

Compressed air is a versatile and safe resource. For this reason it is successfully used in many OEM applications. OEM requirements demand a totally reliable compressor delivering high quality air on demand.

EASE OF INSTALLATION

Thanks to its compactness, the compressor is quickly installed and take up a limited amount of space. Their accessible design makes maintenance operations simple and straightforward.

SIMPLE PREVENTIVE MAINTENANCE

The design of Mattei rotary vane compressors makes maintenance tasks simple, easy and accessible. Specific maintenance kits make servicing quick and easy maximising operating time.

PERFORMANCE AND EFFICIENCY

Mattei compressors are rotary sliding vane - ensuring high performance. Mattei compressors have cast iron vanes - delivering high efficiency.

LOW NOISE LEVEL AND HIGH QUALITY AIR

Mattei compressors are pure rotary motion - maintaining a really low noise level. Mattei compressors have three stages of oil separation - delivering a constant supply of high quality air.

RELIABILITY AND LONG LIFE

Mattei compressors run slowly on a constant film of oil - guaranteeing total reliability.

Mattei compressors have a single turning part - rotor which runs in bushes - ensuring a long life.



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MATTEI M-MC AIR ENDS ARE PERFECT FOR ANY OEM APPLICATION

The compressor can be directly coupled to many types of drive:

- AC electric motors
- DC electric motors
- Hydraulic drives

DIRECT COUPLING 1:1

Mattei rotary vane compressors are directly coupled running at slow speed with no maintenance or parts to replace. This means minimal energy consumption (solutions available for belt driving).



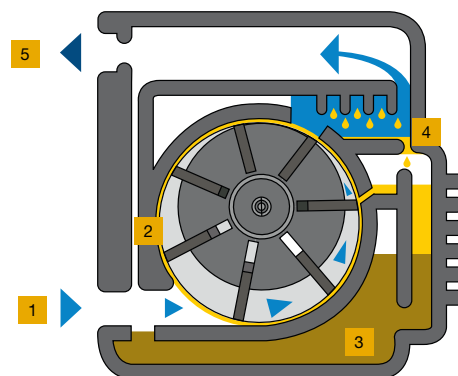
LOW ROTATION SPEED COMBINED WITH MATTEI ROTARY VANE TECHNOLOGY GUARANTEES:

- Compact design
- Maximum efficiency
- Total reliability
- Constant output
- High quality compressed air
- Low noise
- Continuous run or stop/start
- No vibration
- Simple maintenance

OPERATING PRINCIPLE

Maximum efficiency of the air compression process, excellent reliability and low maintenance costs are just some of the key benefits that Mattei rotary vane technology can offer. The vane compressor is a volumetric rotary compressor that consists of a stator cylinder in which a rotor is mounted off-centre but parallel to its sides. The rotor has slots in which the vanes are free to slide. The vanes are specially profiled so they ride on a cushion of oil which provides lubrication and seals the vanes to the stator during rotation. **Mattei rotary vane compressors** are simple in construction offering many advantages to vehicle manufacturers and operators. **Greater volumetric efficiency** means more air per revolution.

- **Cast iron vanes**, that bed in during running making the compressor more efficient with time.
- **No axial forces** means no need for roller or thrust bearings.
- **Bushes** that will last a lifetime.
- **Mattei rotary vane compressors** offer total reliability, long life, quiet operation and high quality compressed air.



- | | |
|---|----------------------------|
| 1 | Air intake |
| 2 | Principal components |
| 3 | Lubricant blended for air |
| 4 | Three-stage oil separation |
| 5 | Air delivery |

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THE RANGE M - MC

Mattei M and **MC** series are integrated compressors. Compression unit, oil filter, oil receiver and oil separator, intake valves, non-return, minimum pressure and regulation valves are completely integrated. Moreover, M and MC compressors are equipped with modulating intake valve for constant air delivery.

MC compressors are supplied complete with integrated oil cooler and flange for motor coupling.

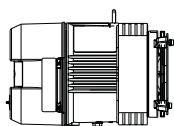


APPLICATIONS

Any application for building industry

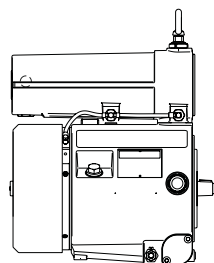
- Construction industry
- Earthmoving
- Punch
- Sandblasting
- Cave
- Various applications





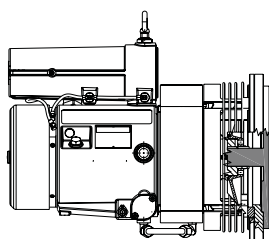
MC 65

F.A.D.	120÷320 l/min
Max. pressure	10 bar
Length	410 mm
Width	250 mm
Height	260 mm
Weight	24 kg



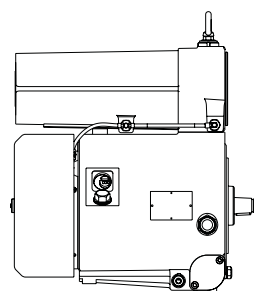
M 80

F.A.D.	400÷1500 l/min
Max. pressure	13 bar
Length	315* mm
Width	240 mm
Height	395 mm
Weight	44 kg



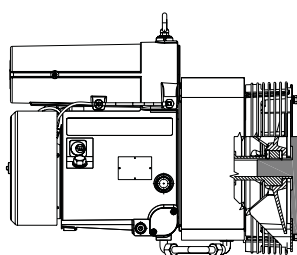
MC 80

F.A.D.	400÷1100 l/min
Max. pressure	13 bar
Length	510÷540 mm
Width	320÷350 mm
Height	430 mm
Weight	55÷58 kg



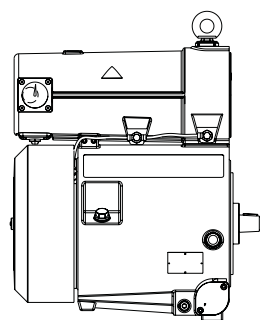
M 86

F.A.D.	800÷3300 l/min
Max. pressure	13 bar
Length	390* mm
Width	275 mm
Height	465 mm
Weight	56 kg



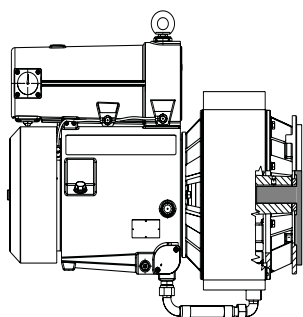
MC 86

F.A.D.	800÷2500 l/min
Max. pressure	13 bar
Length	650÷670 mm
Width	390÷450 mm
Height	510÷534 mm
Weight	67÷70 kg



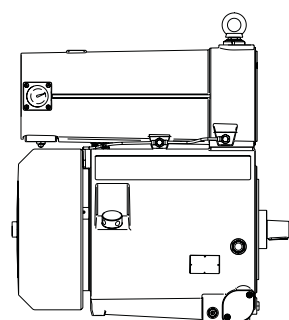
M 111

F.A.D.	1800÷5600 l/min
Max. pressure	13 bar
Length	480* mm
Width	360 mm
Height	620 mm
Weight	100 kg



MC 111

F.A.D.	1800÷4500 l/min
Max. pressure	13 bar
Length	800 mm
Width	515 mm
Height	710 mm
Weight	160÷165 kg



M 135

F.A.D.	3000÷10000 l/min
Max. pressure	13 bar
Length	640* mm
Width	435 mm
Height	770 mm
Weight	190 kg

*driven shaft excluded

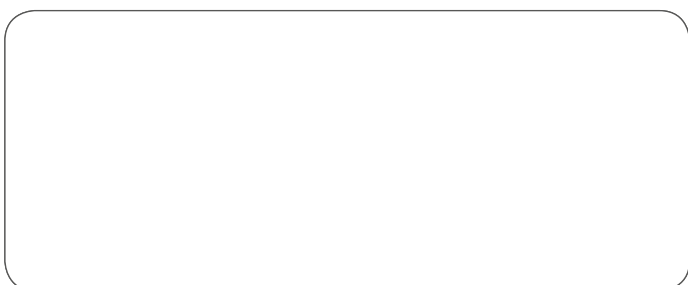


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