

mattel®
COMPRESSED AIR SINCE 1919

PTO COMPRESSORS

Power take-over

Air compressors for
OEM applications



THINK GREEN

PTO COMPRESSORS

Air compressors for OEM applications

ABOUT US

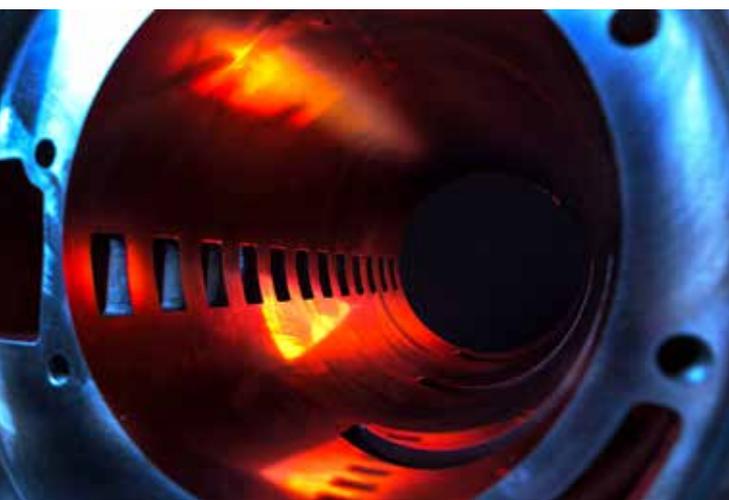
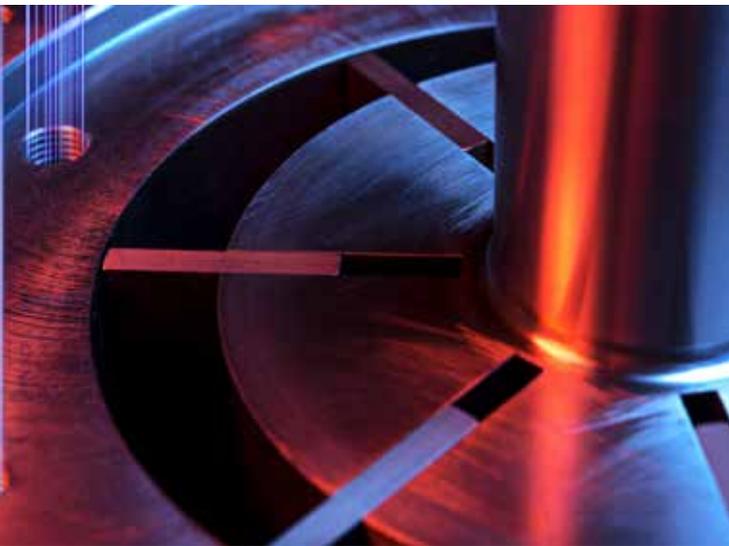
Ing. Enea Mattei SpA is an Italian company that has been producing air compressors since 1919. Over the years, the company has continually evolved and is today one of the world's foremost companies in the compressed air sector and the leader in the production of rotary vane compressors. Behind the success 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



THE ORIGINAL ROTARY VANE

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.



PTO COMPRESSORS

Air compressors for OEM applications

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:

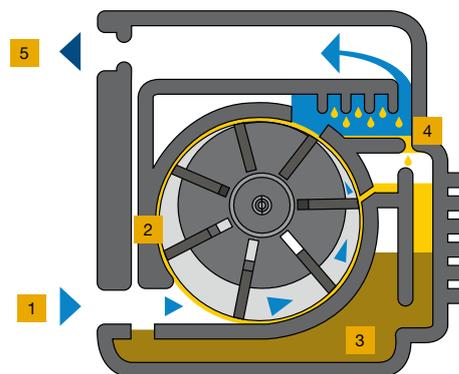
- Compact design
- Maximum efficiency
- Total reliability
- Constant output
- High quality compressed air
- Low noise
- Continuous run or stop/start
- No vibration
- Simple maintenance



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 consisting of an eccentrically bored stator, inside which a centrally-mounted rotor rotates tangentially. 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.

- **Cast iron vanes**, that bed in during running making the compressor more efficient with time.
- **No axial thrust** makes thrust bearings superfluous.
- **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 |

PTO COMPRESSORS

Air compressors for OEM applications

THE RANGE M - C - MC

Mattei M, C 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.

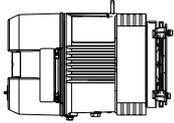


APPLICATIONS

Any application for building industry

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

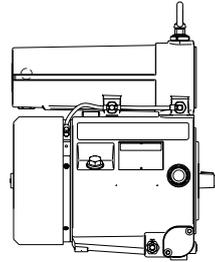




MC 65

F.A.D.	0,11÷0,33 m ³ /min
Pressure	6÷13 bar

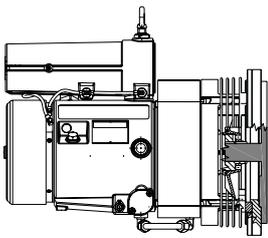
Length	400 mm
Width	250 mm
Height	275 mm
Weight	20 kg



M 80

F.A.D.	0,30÷1,51 m ³ /min
Pressure	6÷13 bar

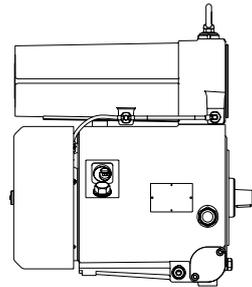
Length	315* mm
Width	250 mm
Height	400 mm
Weight	45 kg



MC 80

F.A.D.	0,30÷1,51 m ³ /min
Pressure	6÷13 bar

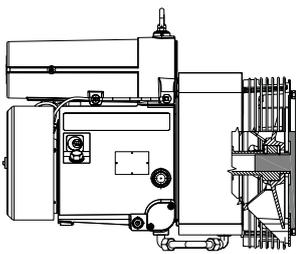
Length	510÷540 mm
Width	320÷350 mm
Height	430 mm
Weight	60 kg



M 86

F.A.D.	0,74÷3,27 m ³ /min
Pressure	6÷13 bar

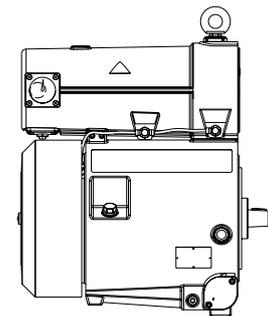
Length	390* mm
Width	275 mm
Height	465 mm
Weight	60 kg



MC 86

F.A.D.	0,74÷3,27 m ³ /min
Pressure	6÷13 bar

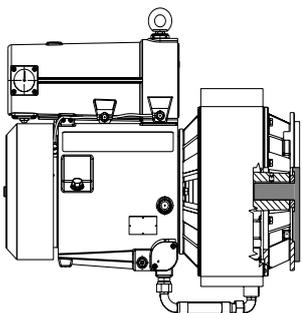
Length	650÷670 mm
Width	390÷450 mm
Height	510÷535 mm
Weight	~ 70 kg



M 111

F.A.D.	1,41÷6,07 m ³ /min
Pressure	6÷13 bar

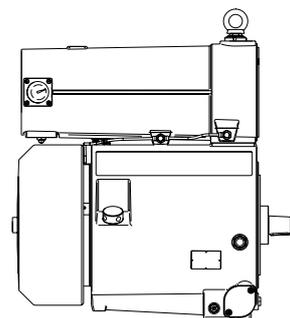
Length	480* mm
Width	360 mm
Height	620 mm
Weight	100 kg



MC 111

F.A.D.	1,41÷6,07 m ³ /min
Pressure	6÷13 bar

Length	800 mm
Width	515 mm
Height	710 mm
Weight	~ 160 kg



M 135

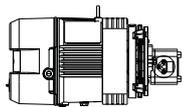
F.A.D.	2,51÷10,4 m ³ /min
Pressure	6÷13 bar

Length	640* mm
Width	435 mm
Height	770 mm
Weight	190 kg

PTO COMPRESSORS

Air compressors for OEM applications

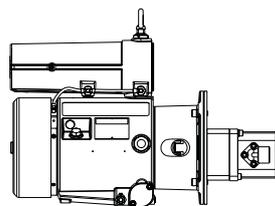
MODEL WITH HYDRAULIC-MOTOR



MC 65

F.A.D.	0,11÷0,33 m ³ /min
Pressure	6÷13 bar

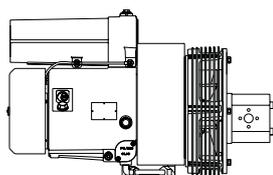
Length	505 mm
Width	250 mm
Height	275 mm
Weight	25 kg



M 80

F.A.D.	0,30÷1,51 m ³ /min
Pressure	6÷13 bar

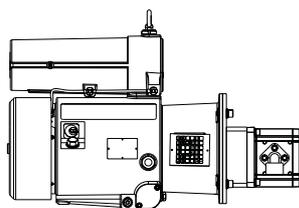
Length	590 mm
Width	250 mm
Height	400 mm
Weight	74 kg



MC 80

F.A.D.	0,30÷1,51 m ³ /min
Pressure	6÷13 bar

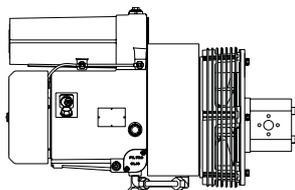
Length	690 mm
Width	320 mm
Height	430 mm
Weight	80 kg



M 86

F.A.D.	0,74÷3,27 m ³ /min
Pressure	6÷13 bar

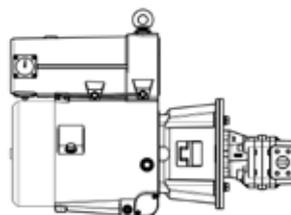
Length	750 mm
Width	280 mm
Height	465 mm
Weight	81 kg



MC 86

F.A.D.	0,74÷3,27 m ³ /min
Pressure	6÷13 bar

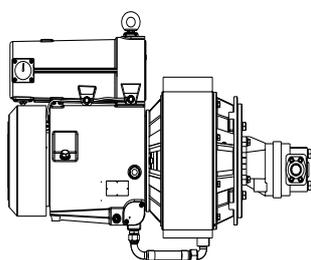
Length	810 mm
Width	390 mm
Height	510 mm
Weight	~ 92 kg



M 111

F.A.D.	1,41÷6,07 m ³ /min
Pressure	6÷13 bar

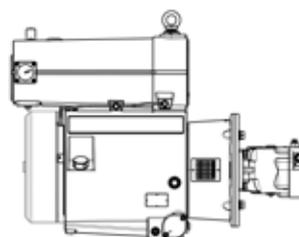
Length	950 mm
Width	360 mm
Height	620 mm
Weight	160 kg



MC 111

F.A.D.	1,41÷6,07 m ³ /min
Pressure	6÷13 bar

Length	1050 mm
Width	515 mm
Height	710 mm
Weight	200 kg



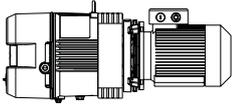
M 135

F.A.D.	2,51÷10,4 m ³ /min
Pressure	6÷13 bar

Length	1050 mm
Width	435 mm
Height	770 mm
Weight	280 kg

Max. delivery @ 20°C @ 6 bar

MODEL WITH ELECTRIC-MOTOR (50-60 HZ)



MC 65

F.A.D. 0,11÷0,33 m³/min

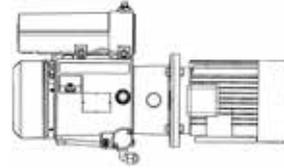
Pressure 6÷13 bar

Length ~ 670 mm

Width ~ 250 mm

Height ~ 275 mm

Weight ~ 40 kg



M 80

F.A.D. 0,30÷1,51 m³/min

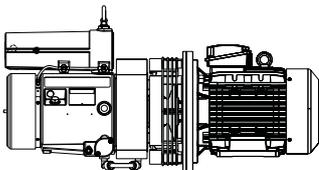
Pressure 6÷13 bar

Length 840÷1000 mm

Width 250÷300 mm

Height ~ 400 mm

Weight ~ 180 kg



MC 80

F.A.D. 0,30÷1,51 m³/min

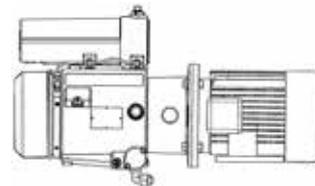
Pressure 6÷13 bar

Length 900÷1000 mm

Width 320÷350 mm

Height ~ 430 mm

Weight ~ 300 kg



M 86

F.A.D. 0,74÷3,27 m³/min

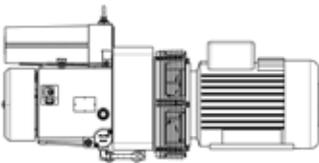
Pressure 6÷13 bar

Length 1100÷1200 mm

Width ~ 280 mm

Height ~ 465 mm

Weight ~ 260 kg



MC 86

F.A.D. 0,74÷3,27 m³/min

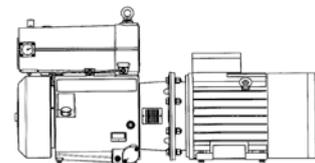
Pressure 6÷13 bar

Length 1130÷1270 mm

Width 390÷450 mm

Height 510÷535 mm

Weight ~ 270 kg



M 111

F.A.D. 1,41÷6,07 m³/min

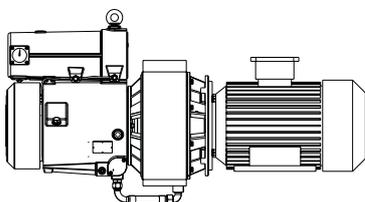
Pressure 6÷13 bar

Length 1300÷1400 mm

Width ~ 360 mm

Height ~ 620 mm

Weight ~ 400 kg



MC 111

F.A.D. 1,41÷6,07 m³/min

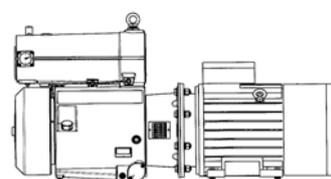
Pressure 6÷13 bar

Length 1370÷1450 mm

Width ~ 515 mm

Height ~ 710 mm

Weight ~ 445 kg



M 135

F.A.D. 2,51÷10,4 m³/min

Pressure 6÷13 bar

Length ~ 1620 mm

Width ~ 450 mm

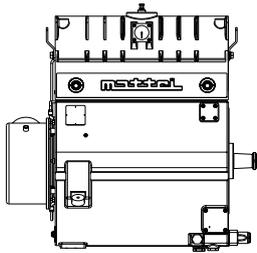
Height ~ 770 mm

Weight ~ 545 kg

Max. delivery @ 20°C @ 6 bar

PTO COMPRESSORS

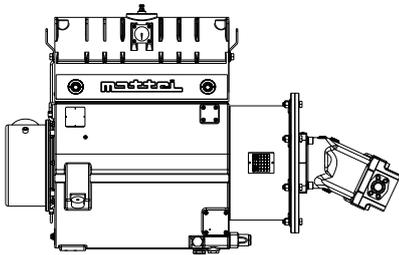
Air compressors for OEM applications



C 400 / 450

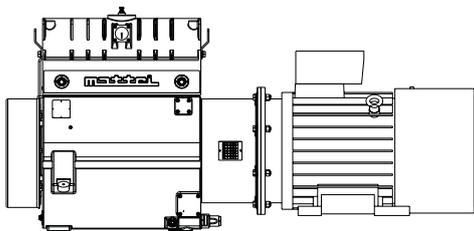
F.A.D.	Pressure	Length	Width	Height	Weight
6,2÷13,9 m ³ /min	6÷10 bar	860 mm*	550 mm	970 mm	390 kg

*driven shaft excluded



C 400 / 450 with hydraulic-motor

F.A.D.	Pressure	Length	Width	Height	Weight
6,2÷13,9 m ³ /min	6÷10 bar	1525 mm	550 mm	970 mm	445 kg



C 400 / 450 with electric-motor

F.A.D.	Pressure	Length	Width	Height	Weight
6,2÷13,9 m ³ /min	6÷10 bar	2100 mm	550 mm	970 mm	1015 kg

Max. delivery @ 20°C @ 6 bar

NOTE: Dimensions and weights are merely indications and may differ according to the compressor and performances of the motors installed



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