



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.

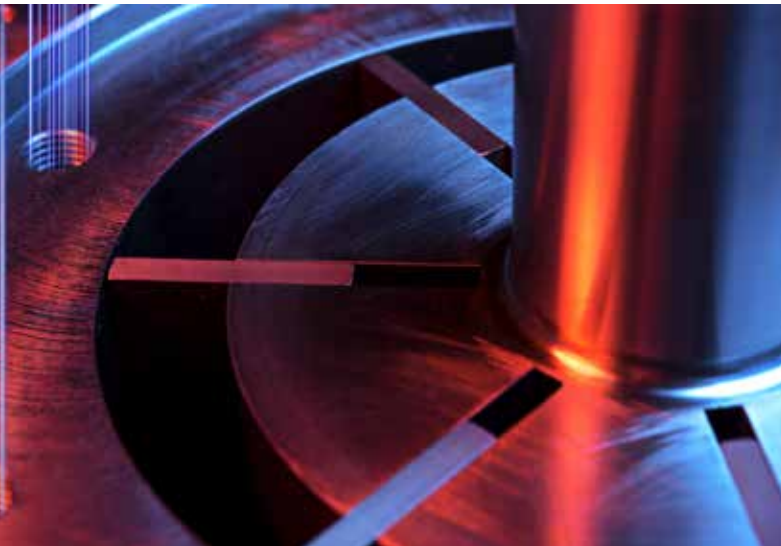
Behind the success of Mattei are the choices the company has made in terms of design, production and marketing, driven by the results of its continual and in-depth research and development programmes.

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 RVA-RVAC 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

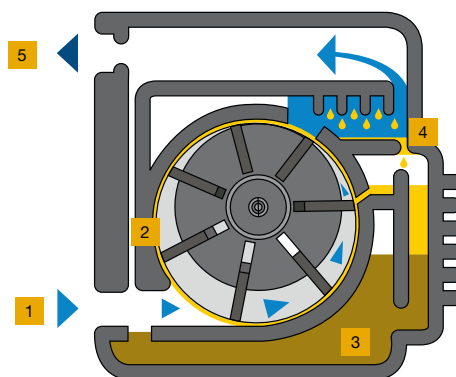




OPERATING PRINCIPLE

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 |

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Air compressors for OEM applications

THE RANGE RVA - C - RVAC

Mattei RVA, C and RVAC 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, RVA and RVAC compressors are equipped with modulating intake valve for constant air delivery.

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

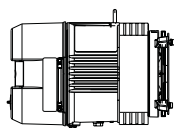


APPLICATIONS

Any application for building industry

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

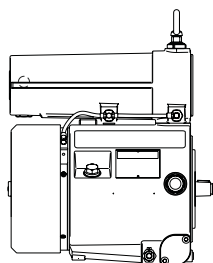




RVAC 65

F.A.D.	3.88÷11.65 cfm
Pressure	87÷189 psig

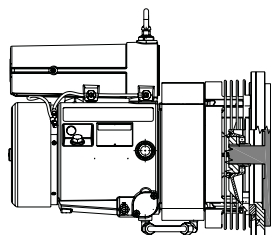
Length	16 inch
Width	10 inch
Height	11 inch
Weight	44 lbs



RVA 80

F.A.D.	10.59÷53.33 cfm
Pressure	87÷189 psig

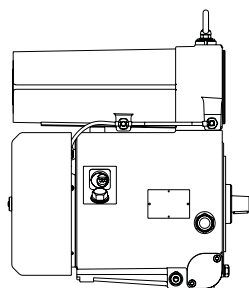
Length	12* inch
Width	10 inch
Height	16 inch
Weight	99 lbs



RVAC 80

F.A.D.	10.59÷53.33 cfm
Pressure	87÷189 psig

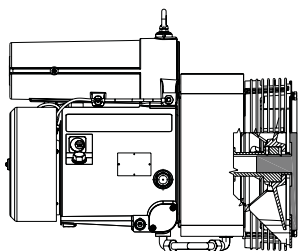
Length	20÷21 inch
Width	13÷14 inch
Height	17 inch
Weight	132 lbs



RVA 86

F.A.D.	26.13÷115.48 cfm
Pressure	87÷189 psig

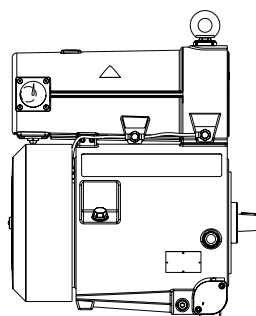
Length	15* inch
Width	11 inch
Height	18 inch
Weight	132 lbs



RVAC 86

F.A.D.	26.13÷115.48 cfm
Pressure	87÷189 psig

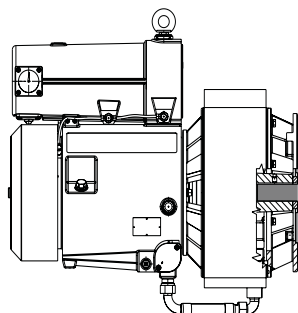
Length	26 inch
Width	15÷18 inch
Height	20÷21 inch
Weight	~154 lbs



RVA 111

F.A.D.	49.79÷214.36 cfm
Pressure	87÷189 psig

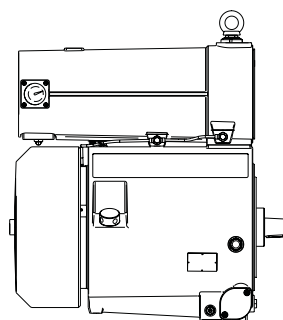
Length	19* inch
Width	14 inch
Height	24 inch
Weight	220 lbs



RVAC 111

F.A.D.	49.79÷214.36 cfm
Pressure	87÷189 psig

Length	31 inch
Width	20 inch
Height	28 inch
Weight	~ 353 lbs



RVA 135

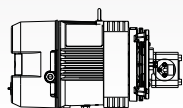
F.A.D.	88.64÷367.27 cfm
Pressure	87÷189 psig

Length	25* inch
Width	17 inch
Height	30 inch
Weight	419 lbs

PTO COMPRESSORS

Air compressors for OEM applications

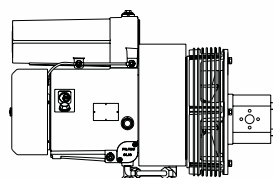
MODEL WITH HYDRAULIC-MOTOR



RVAC 65

F.A.D.	3.88÷11.65 cfm
Pressure	87÷189 psig

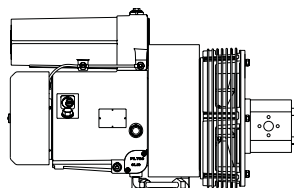
Length	20 inch
Width	10 inch
Height	11 inch
Weight	55 lbs



RVAC 80

F.A.D.	10.59÷53.33 cfm
Pressure	87÷189 psig

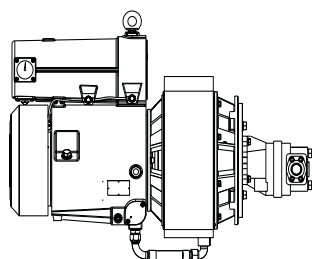
Length	27 inch
Width	13 inch
Height	17 inch
Weight	176 lbs



RVAC 86

F.A.D.	26.13÷115.48 cfm
Pressure	87÷189 psig

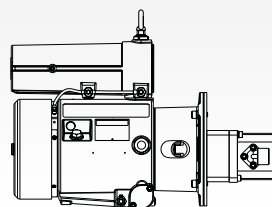
Length	32 inch
Width	15 inch
Height	20 inch
Weight	~ 203 lbs



RVAC 111

F.A.D.	49.79÷214.36 cfm
Pressure	87÷189 psig

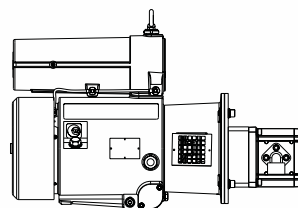
Length	41 inch
Width	20 inch
Height	28 inch
Weight	441 lbs



RVA 80

F.A.D.	10.59÷53.33 cfm
Pressure	87÷189 psig

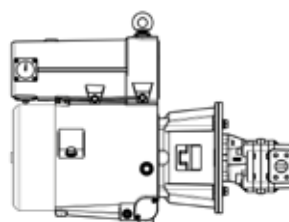
Length	23 inch
Width	10 inch
Height	16 inch
Weight	163 lbs



RVA 86

F.A.D.	26.13÷115.48 cfm
Pressure	87÷189 psig

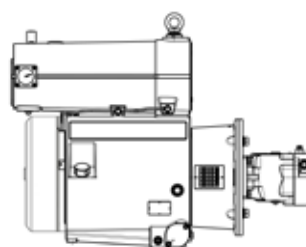
Length	30 inch
Width	11 inch
Height	18 inch
Weight	179 lbs



RVA 111

F.A.D.	49.79÷214.36 cfm
Pressure	87÷189 psig

Length	37 inch
Width	14 inch
Height	24 inch
Weight	353 lbs



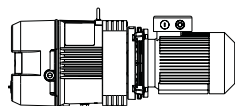
RVA 135

F.A.D.	88.64÷367.27 cfm
Pressure	87÷189 psig

Length	41 inch
Width	17 inch
Height	30 inch
Weight	617 lbs

Max. delivery @ 20°C @ 6 bar

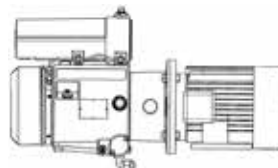
MODEL WITH ELECTRIC-MOTOR (50-60 HZ)



RVAC 65

F.A.D.	3.88÷11.65 cfm
Pressure	87÷189 psig

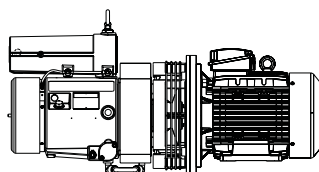
Length	~ 26 inch
Width	~ 10 inch
Height	~ 11 inch
Weight	~ 88 lbs



RVA 80

F.A.D.	10.59÷53.33 cfm
Pressure	87÷189 psig

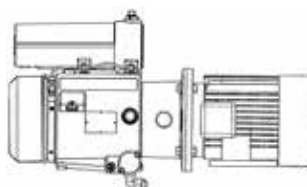
Length	33÷39 inch
Width	10÷12 inch
Height	~ 16 inch
Weight	~ 397 lbs



RVAC 80

F.A.D.	10.59÷53.33 cfm
Pressure	87÷189 psig

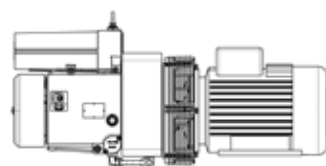
Length	35÷39 inch
Width	13÷14 inch
Height	~ 17 inch
Weight	~ 661 lbs



RVA 86

F.A.D.	26.13÷115.48 cfm
Pressure	87÷189 psig

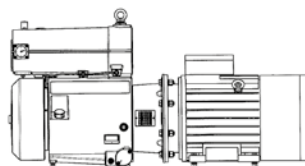
Length	43÷47 inch
Width	~ 11 inch
Height	~ 18 inch
Weight	~ 573 lbs



RVAC 86

F.A.D.	26.13÷115.48 cfm
Pressure	87÷189 psig

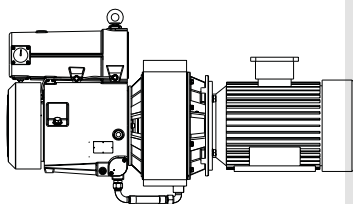
Length	44÷50 inch
Width	15÷18 inch
Height	20÷21 inch
Weight	~ 595 lbs



RVA 111

F.A.D.	49.79÷214.36 cfm
Pressure	87÷189 psig

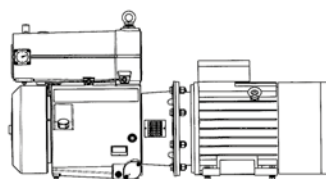
Length	51÷55 inch
Width	~ 14 inch
Height	~ 24 inch
Weight	~ 882 lbs



RVAC 111

F.A.D.	49.79÷214.36 cfm
Pressure	87÷189 psig

Length	54÷57 inch
Width	~ 20 inch
Height	~ 28 inch
Weight	~ 981 lbs



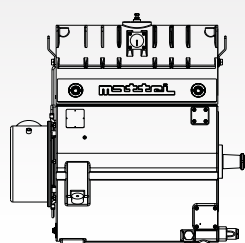
RVA 135

F.A.D.	88.64÷367.27 cfm
Pressure	87÷189 psig

Length	~ 64 inch
Width	~ 18 inch
Height	~ 30 inch
Weight	~ 1202 lbs

PTO COMPRESSORS

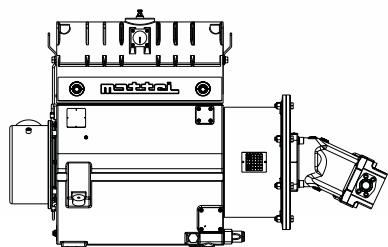
Air compressors for OEM applications



C 400 / 450

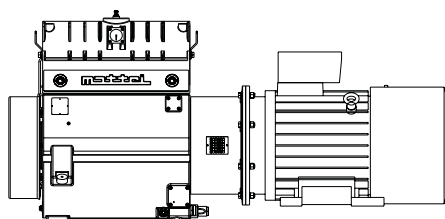
F.A.D.	Pressure	Length	Width	Height	Weight
218.95÷490.87 cfm	87÷142 psig	34 inch*	22 inch	38 inch	860 lbs

*driven shaft excluded



C 400 / 450 with hydraulic-motor

F.A.D.	Pressure	Length	Width	Height	Weight
218.95÷490.87 cfm	87÷142 psig	60 inch	22 inch	38 inch	970 lbs



C 400 / 450 with electric-motor

F.A.D.	Pressure	Length	Width	Height	Weight
218.95÷490.87 cfm	87÷142 psig	83 inch	22 inch	38 inch	2238 lbs

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

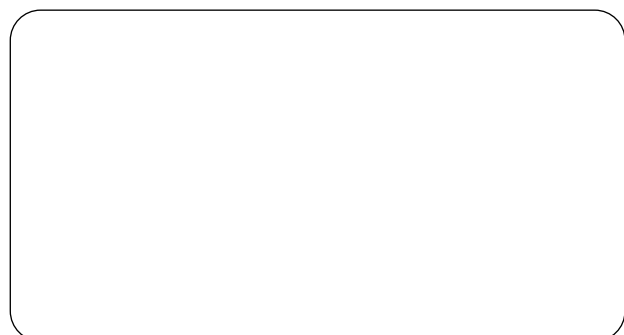


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