mattei®
COMPRESSED AIR SINCE 1919

MyCare 6 extended warranty

THE ORIGINAL ROTARY VANE

BLADE

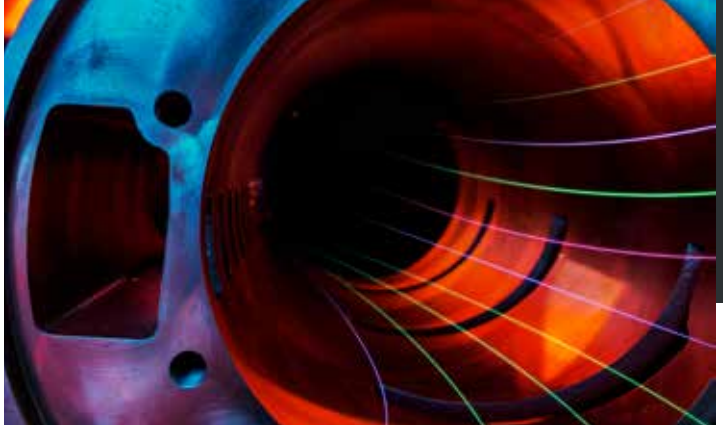
BRINGING YOU THE FUTURE TODAY



BLADE i 8 - 12

DIRECT COUPLING
VARIABLE SPEED





Mattei: over 90 years of research and reliability

Ing. Enea Mattei SpA is an Italian company that has been manufacturing air compressors since 1919. Since then the company has continually evolved and is now 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. Mattei's vision and interpretation of industry's changing needs, has consistently created innovative and technologically advanced products.

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COMPRESSED AIR SINCE 1919

Mattei MyCare 6

MyCare 6 extended warranty

With Blade 8-12 i you can benefit from the new ***MyCare 6*** extended warranty plan, this provides cover for 6-years of service assistance and any repair required.

Carrying out regular and correct maintenance is the simplest and best way to ensure your compressor continues to perform reliably and efficiently, avoiding faults and energy wastage. Mattei's Service Centres employ qualified service engineers and carry specific tooling and original spare parts for maintenance operations.

GET MYCARE 6 PLAN. You will benefit from monetary savings and a defined cost for easier budget planning.

MATTEI ORIGINAL SPARE PARTS

Mattei Original Spare Parts and **Mattei lubricants** are made to very high design standards and conform to exact technical specifications. Only Mattei original spare parts allow you to be sure of maintaining, over time, the same levels of performance, reliability and safety of your Mattei product.

- Mattei Original Spare Parts are crucial to ensure the efficiency of your compressed air equipment
- Parts are always available in stock
- They are quality tested and conform to manufacturer's specifications
- Parts are designed for Mattei's recommended maintenance intervals

BLADE 8 - 12 i

The **BLADE 8-12 i** compressor range, with powers **from 7,5 to 11 kW**, is the ideal solution for the needs of small and medium sized companies as well as artisan businesses.

It is equipped with an **Inverter** system that always assures the highest energy savings. The compressor's inverter automatically adjusts the motor's rotational speed to ensure that the air delivered by the compressor always corresponds to the real-time demand.

When compared to other compressors the BLADE's very low rotational speed, a distinctive feature of a Mattei compressor, means more air, greater reliability, reduced energy consumption and quiet operation.

Available in the silenced **BLADE i**, **BLADE E i** (with dryer kit), **BLADE S i** (on receiver) and **BLADE SE i** (on receiver with dryer kit) versions, they feature automatic control of air flow at constant pressure and an aftercooler.





1.	FLEXIBLE COUPLING
2.	MAESTRO^{XB} CONTROLLER
3.	VALVES ASSEMBLY
4.	ROTOR-STATOR ASSEMBLY
5.	OIL FILTER AND OIL SEPARATOR FILTER
6.	INVERTER

BLADE i 8 - 12

DIRECT COUPLING



The electric motor and the compressor are coupled **directly by means of flexible coupling** and turn at only 1500 rpm.Direct coupling determines a remarkable "energy saving" because there are no energy losses caused by gears or V belts.

A USER-FRIENDLY CONTROLLER



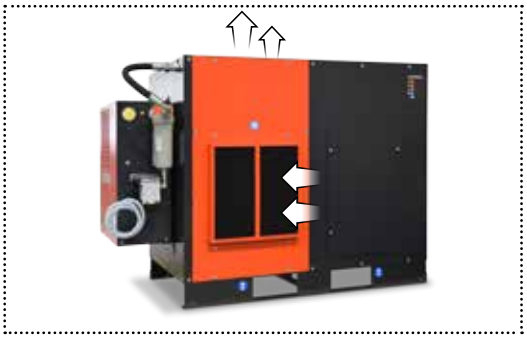
Maestro[XB] is a programmable controller which regulates the operation of the compressor to suit the specific requirements of the air distribution system. It has different programming levels and special options for controlling and analysing the operation and faults.

EASIER MAINTENANCE



BLADE 8-12 i has been designed in a way that makes it possible **to replace the elastic element** without having to dismantle the rotor-stator unit.

IMPROVED COOLING



Cooling is an important factor during the compressed air production process, as it helps to increase system efficiency and reliability. **The new Blade 8-12 i is equipped with an electric fan with an integrated inverter.** The rotation speed of the cooling fan adapts itself to the working conditions and the environment, optimizing performance and allowing safe operation up to an ambient temperature of + 46 ° C.

MAXIMUM ENERGY EFFICIENCY



When there is no air demand for short periods of time, the on/off load valve allows the compressor to **significantly reduce its internal pressure thereby reducing energy consumption to a minimum**, without having to stop the compressor. The number of stops and subsequent starts is therefore reduced, which **helps increase the life span of the compressor and its electric motor**.

RELIABILITY AND LONGEVITY



Mattei airends rotate slower than other types of compressors and their blades slide frictionless on a thin film of oil which ensures complete reliability. Mattei machines also have fewer moving parts than other compressors and as the rotor runs on bushes, it has a **virtually unlimited lifespan**.

HIGH QUALITY COMPRESSED AIR



The separation of the oil from air is carried out in several stages and allows an exceptionally low oil carryover. After the compression cycle the air-oil mixture reaches the separator tank, most of the lubricant is collected here due to the change in air speed and the cyclonic action as it enters the tank. The air with the remaining oil residue is then filtered in the coalescing separator. The complete system ensures that the residual oil content is less than 3 mg/m^3 of air, the over-sized separator element and the quality of the materials used guarantee longer working hours.



BLADE i 8 - 12

BLADE i

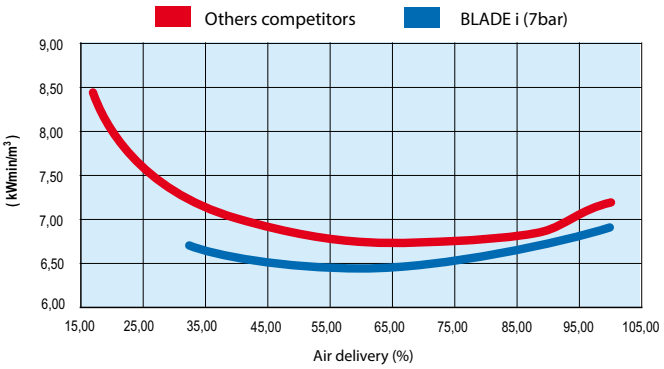
The design and operation of BLADE compressors ensures the correct operating temperature is quickly and effectively reached.
This is important in order to extend the operating life by preventing condensation from forming in the system.

- IE3 MOTOR, IE4 MOTOR OPTION ALSO AVAILABLE
- ROTARY VANE TECHNOLOGY
- MAXIMUM RELIABILITY
- EFFICIENT
- LOW MAINTENANCE COSTS
- QUIET
- COMPACT
- OPERATING PRESSURES FROM 8 TO 10 BAR

OPERATIONAL MODE

Mattei Inverter regulation system

The **BLADE i** version, fitted with an **Inverter**, is currently the most flexible product in the Mattei range of industrial compressors.



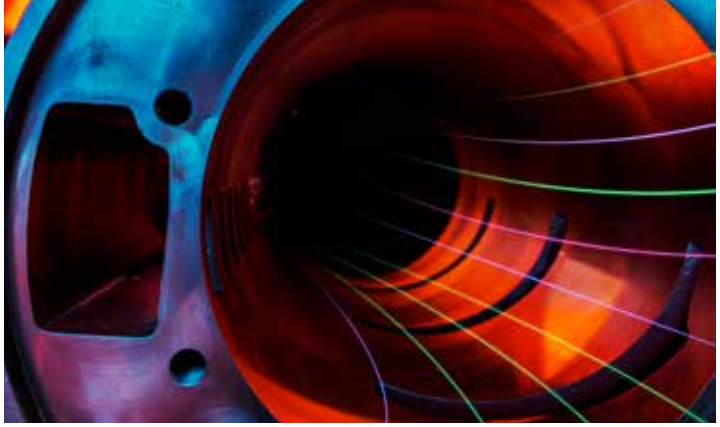
OPERATION

The **Mattei Inverter system** always assures the highest energy savings. When the compressed air demand is between 100% and 40%, the compressor rotational speed reaches the highest efficiency, with an energy consumption much lower than traditional inverter systems.









Modell	7 ÷ 10 bar 100 ÷ 150 psig		Sound pressure level	Power		Air receiver	Length		Width		Height		Weight	
	m^3/min	cfm	db(A)	kW	hp	l	mm	inch	mm	inch	mm	inch	kg	lbs
400 - 460 / 50 - 60 / 3														
BLADE 8 i	0,76 ÷ 1,20	27 ÷ 42	66	7,5	10	-	1180	46,5	760	29,9	990	39	273	602
BLADE 12 i	1,06 ÷ 1,68	37 ÷ 59	66	11	15	-	1180	46,5	760	29,9	990	39	311	686
BLADE S 8 i	0,76 ÷ 1,20	27 ÷ 42	66	7,5	10	270	1560	61,4	760	29,9	1610	63,4	361	796
BLADE S 12 i	1,06 ÷ 1,68	37 ÷ 59	66	11	15	270	1570	61,8	760	29,9	1610	63,4	399	880
BLADE E 8 i	0,76 ÷ 1,20	27 ÷ 42	66	7,5	10	-	1410	55,5	790	31,1	990	39	306	675
BLADE E 12 i	1,06 ÷ 1,68	37 ÷ 59	66	11	15	-	1410	55,5	810	31,9	990	39	349	769
BLADE SE 8 i	0,76 ÷ 1,20	27 ÷ 42	66	7,5	10	270	1490	58,7	790	31,1	1610	63,4	388	855
BLADE SE 12 i	1,06 ÷ 1,68	37 ÷ 59	66	11	15	270	1490	58,7	810	31,9	1610	63,4	431	950

F.A.D. in accordance with ISO 1217 annex "E" I Sound pressure level at 1500 rpm

BLADE E i equipped with dryer and **BLADE SE i** on 270-litre receiver with dryer

Extremely compact, simple and inexpensive to install. Ideal for clean and dry compressed air. The dryer module outside the compressor allows to work efficiently even in environments with high temperatures (46°C).



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