

OMIC

ALL THE COMPRESSED AIR POWER
YOU NEED



Guaranteed
reliability



Built to last

**Compact,
quiet, and easy to install.**

The new series of belt-driven screw compressors (4-7 kW), perfect for craftsmen and small businesses.

Small in size, big in performance.



Easy
maintenance

A man in a red and blue plaid shirt and dark overalls stands in a brewery. He is holding a glass of beer in his right hand and a kegerator in his left. The background shows large stainless steel brewing tanks and pipes.

Inside every
OMIC compressor lies
the power that drives
your growth.

Introducing OMIC by Mattei Group:

Italian excellence meets market needs.

OMIC is the new brand by **Mattei Group**, designed to offer **reliable, accessible solutions, 100% Made in Italy**. A project born from listening to the market, to respond with vision and practicality to the new challenges of industry.

OMIC is more than a brand: it's a commitment to accessible innovation without compromising on quality.



Made in Italy



A strategic
commercial
choice





Thanks to its **compact design, quality components,** and **advanced engineering,** **OMIC** compressors ensure **consistent performance, quiet operation,** and **long life,** the ideal choice for those seeking **reliability and reduced operating costs.**

Discover the new **OMIC** range: the right choice, at the right time.



The **OMIC** line is available in three power models—**SB 4, SB 5, and SB 7,** also available in inverter versions—**SB 4i, SB 5i, SB 7i,** for optimised energy consumption.

Benefits that matter, in every application:



Energy efficiency



Reliable and functional



Compact and flexible design



Low noise levels



Easy maintenance



Versatile



Italian quality construction



3-year warranty



OMIC Technology:

» SCREW COMPRESSORS

The standard **OMIC SB** screw compressor series is designed with a **belt-drive transmission** that **ensures minimal power consumption during each work cycle**. This along with the compact shape, achieved through **optimal component layout**, makes these compressors **ideal for continuous or short work cycles** and offering **top performance**.



Radiator and cooling fan:

Compact system, low noise level, high air exchange in the cabinet.



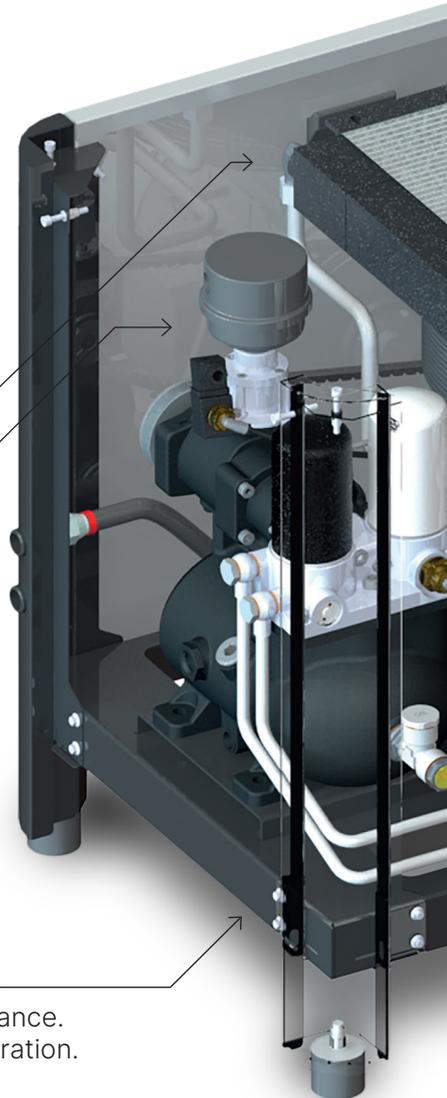
Intake valve and air filter:

The on/off valve works in synergy with the high-efficiency intake filter, ensuring reliability and consistent performance.

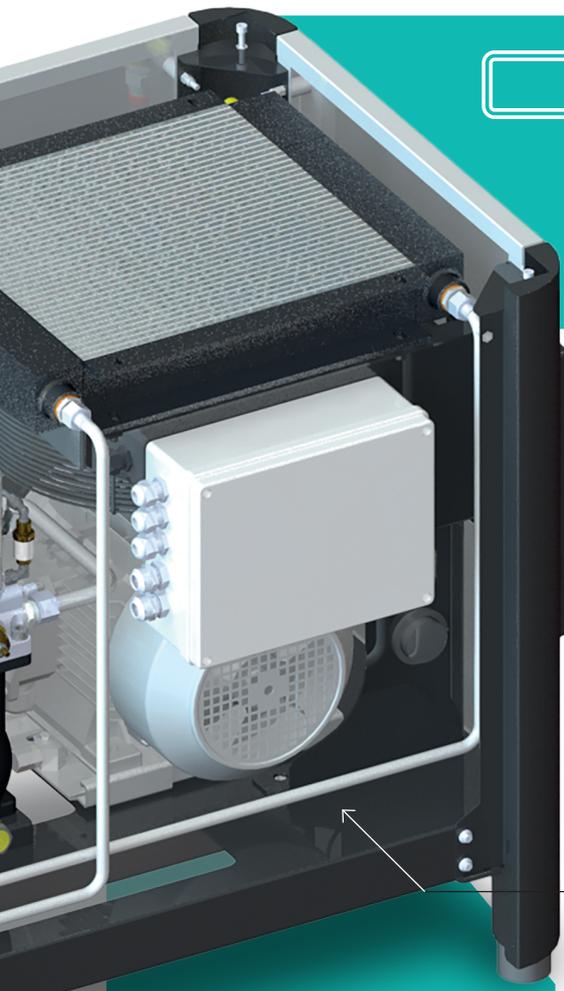


Separator tank, oil filter, and separator filter:

High air quality, compact system, easy maintenance. Small oil tank for intermittent or continuous operation.



Thanks to increasingly efficient technology, **the OMIC screw compressor line is the ideal solution for any application where compressed air is key.**



OMIC 1 controller:
Electronic controller with LCD display starting from SB 4 model.



Soundproofed structure:
Low noise level thanks to the sound-absorbing panels.



Belt transmission:

Motor and screw unit are connected via belt drive, designed to minimise power losses and still to be efficient at high speeds. Low operating and maintenance costs.



Rigid air/oil connection pipes:

No maintenance required for the entire life of the compressor and increased heat dissipation and reliability.



Compact cabinet:
Optimal component layout for a compact design and easy maintenance.



Anti-vibration platform:

Eliminates vibrations on the screw unit and mechanical stress. Reduces noise level.



OMIC Technology:

» SCREW COMPRESSORS WITH TANK AND DRYER

The **OMIC SB** and the **OMIC SB i** (with the inverter) screw compressor series are designed with a **belt-drive transmission** that **ensures minimal power consumption during each work cycle**. This along with the compact shape, achieved through **optimal component layout**, makes these compressors **ideal for continuous or short work cycles** and offering **top performance**.



Radiator and cooling fan:
Compact system, low noise level, high air exchange in the cabinet.



Intake valve and air filter:
The on/off valve works in synergy with the high-efficiency intake filter, ensuring reliability and consistent performance.



Separator tank, oil filter, and separator filter:
High air quality, compact system, easy maintenance. Small oil tank for intermittent or continuous operation.

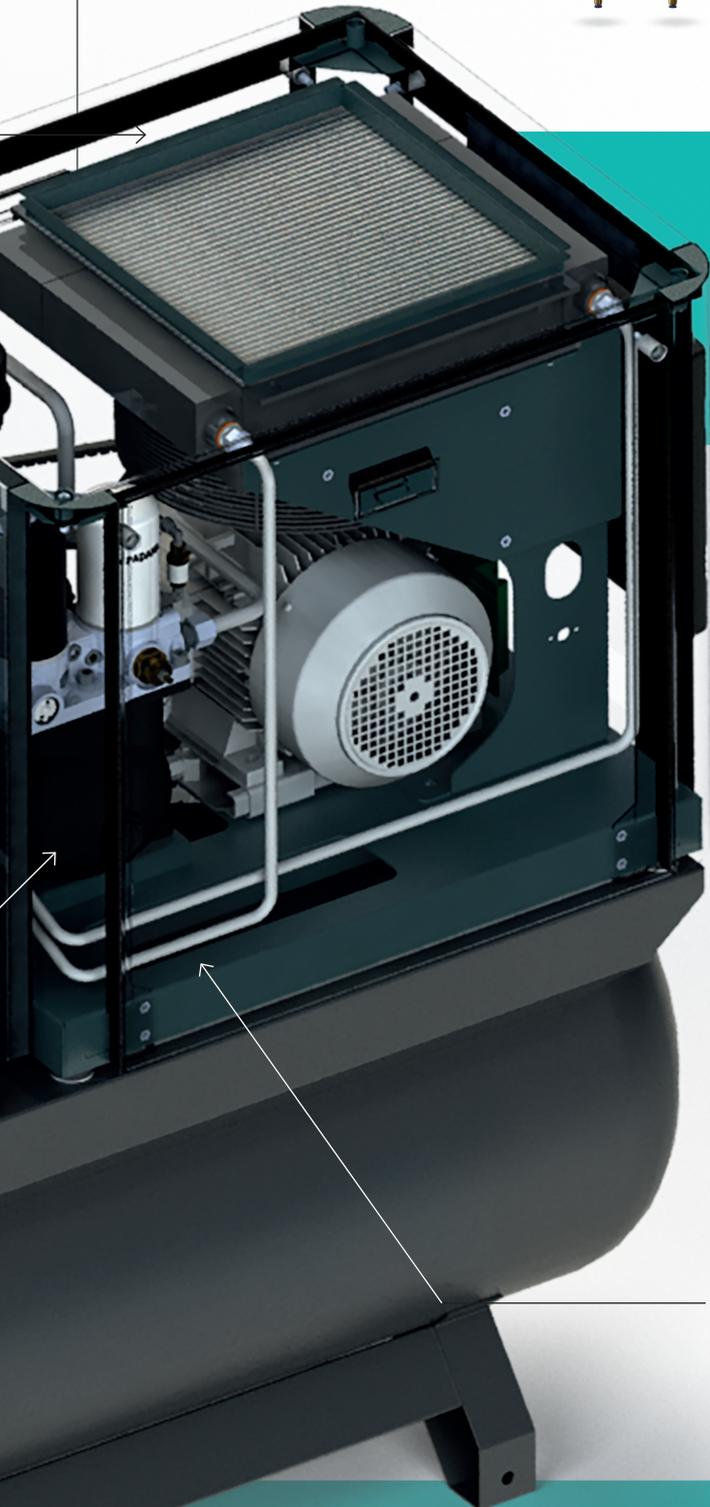


Refrigeration dryer:
High air quality, limited pressure drop even under extreme load conditions, extremely stable dew point.

Lifting bars:
Ideal for perfect handling with a forklift without damaging the compressor body.

Filters (available as an option):

Developed for efficient removal of solid particles, water, oil, hydrocarbons, and odours from the compressed air line with minimal pressure loss.



OMIC *i* controller:

Electronic controller with multifunction display starting from SB 4*i* model.



Soundproofed structure:

Low noise level thanks to the sound-absorbing panels.

Inverter:

The Inverter system ensures maximum energy savings. When compressed air demand varies, the compressor's rotation speed adapts to the required output, increasing efficiency and reducing energy consumption.



Belt transmission:

Motor and screw unit are connected via belt drive, designed to minimise power losses and still to be efficient at high speeds. Low operating and maintenance costs.



Rigid air/oil connection pipes:

No maintenance required for the entire life of the compressor and increased heat dissipation and reliability.



Compact cabinet:

Optimal component layout for a compact design and easy maintenance.



Horizontal tank:

Options for 270 and 500 liters.



Advantages of OMIC Technology:

» INVERTER



Significant energy savings

- ✓ The motor speed adapts to the actual air demand. Ideal for applications with non-constant air consumption
- ✓ Reduction of losses due to idle running and partial loads
- ✓ Greater efficiency compared to ON/OFF or load/unload systems
- ✓ Lower electrical consumption



More stable pressure

- ✓ Minimal network pressure fluctuations
- ✓ Improved air quality for sensitive applications



Reduced mechanical wear

- ✓ Gradual start-ups (soft start)
- ✓ Reduced stress on belts, bearings, and the airend.



Longer component life

- ✓ More controlled operating temperatures
- ✓ Lower frequency of routine maintenance
- ✓ Reduced maintenance costs over



Reduced current peaks

- ✓ Start-ups without high inrush currents
- ✓ Advantages for low-power electrical systems



Lower noise levels

- ✓ Operation at lower speeds when demand is reduced
- ✓ Improved comfort in the working environment



» MASTER & SLAVE

OMIC 1 controllers communicate internally with the compressor via input/output modules specifically designed for the needs of different compressor ranges.

Thanks to RS485 serial connection, MASTER/SLAVE operation is possible.



Communication between two compressors via serial for optimal air consumption management.



» OMIC *i* CONTROLLER

OMIC *i* is an industrial electronic controller **designed for optimal management** of low-to-medium power air compressors.

It features a 2.4" color TFT display (320×240 pixels) for real-time visualisation of compressor status and any alarms.



Total efficiency control.



- ✔ **Connected technology**
Device enabling digitalisation and interconnection of devices.
- ✔ **Functional design**
High quality combined with a unique design for easy use.
- ✔ **Smart management**
Developed to manage from 2 to 12 compressors easily and safely.
- ✔ **Energy efficiency**
Able to maintain constant line pressure focused on achieving maximum energy savings.



» Technical Data

Machine-only version

MODEL											
-	bar	p.s.i.	Hp	kW	lt/min	cfm	m3/h	lt.	Volt.	WxDxH (cm)	kg
SB 4 L	8	114	5,5	4	605	21,2	36	-	400/3/50	86×60×70	135
SB 4 H	10	143			550	19,4	33				
SB 4 HH	15	185			400	14	24				
SB 5 L	8	114	7,5	5,5	820	30	50	-	400/3/50	86×60×70	142
SB 5 H	10	143			750	26,5	45				
SB 5 HH	15	185			590	20,7	35				
SB 7 L	8	114	10	7,5	1200	42	72	-	400/3/50	86×60×70	150
SB 7 H	10	143			1000	35	60				
SB 7 HH	15	185			840	29,3	50,4				
SB 4 i	6-13	85-189	5,5	4	200-550	7-19	12-33	-	400/3	86×60×70	140
SB 5 i	6-13	85-189	7,5	5,5	340-850	12-30	20,4-51	-	400/3	86×60×70	147
SB 7 i	6-13	85-189	10	7,5	480-1200	17-42	28,8-72	-	400/3	86×60×70	155

Version with 270L tank and dryer

MODEL											
-	bar	p.s.i.	Hp	kW	lt/min	cfm	m3/h	lt.	Volt.	WxDxH (cm)	kg
SB SE 4 L	8	114	5,5	4	605	21,2	36	270	400/3/50	153×60×140	258
SB SE 4 H	10	143			550	19,4	33				
SB SE 4 HH	15	185			400	14	24				
SB SE 5 L	8	114	7,5	5,5	820	30	50	270	400/3/50	153×60×140	265
SB SE 5 H	10	143			750	26,5	45				
SB SE 5 HH	15	185			590	20,7	35				
SB SE 7 L	8	114	10	7,5	1200	42	72	270	400/3/50	153×60×140	275
SB SE 7 H	10	143			1000	35	60				
SB SE 7 HH	15	185			840	29,3	50,4				
SB SE 4 i	6-13	85-189	5,5	4	200-550	7-19	12-33	270	400/3	153×60×140	263
SB SE 5 i	6-13	85-189	7,5	5,5	340-850	12-30	20,4-51	270	400/3	153×60×140	270
SB SE 7 i	6-13	85-189	10	7,5	480-1200	17-42	28,8-72	270	400/3	153×60×140	280

Version with 500L tank and dryer

MODEL											
-	bar	p.s.i.	Hp	kW	lt/min	cfm	m3/h	lt.	Volt.	WxDxH (cm)	kg
SB SE 4 L	8	114	5,5	4	605	21,2	36	500	400/3/50	185×60×147	297
SB SE 4 H	10	143			550	19,4	33				
SB SE 4 HH	15	185			400	14	24				
SB SE 5 L	8	114	7,5	5,5	820	30	50	500	400/3/50	185×60×147	320
SB SE 5 H	10	143			750	26,5	45				
SB SE 5 HH	15	185			590	20,7	35				
SB SE 7 L	8	114	10	7,5	1200	42	72	500	400/3/50	185×60×147	330
SB SE 7 H	10	143			1000	35	60				
SB SE 7 HH	15	185			840	29,3	50,4				
SB SE 4 i	6-13	85-189	5,5	4	200-550	7-19	12-33	500	400/3	185×60×147	302
SB SE 5 i	6-13	85-189	7,5	5,5	340-850	12-30	20,4-51	500	400/3	185×60×147	325
SB SE 7 i	6-13	85-189	10	7,5	480-1200	17-42	28,8-72	500	400/3	185×60×147	335

» ORIGINAL SPARE PARTS

Proper maintenance at regular intervals is the simplest way to ensure your compressor has a high-performance lifecycle, avoiding malfunctions and energy waste.

Service interventions are carried out by qualified technicians using specific tools and original spare parts.

OMIC original spare parts and lubricants are manufactured to high design standards and comply with precise technical specifications. **Only with original OMIC parts can you be sure to maintain the same levels of performance, reliability, and safety over time.**

» WARRANTY

OMIC stands for quality: products designed to last. **Up to 3 years warranty, excluding consumable parts.**



» CERTIFIED QUALITY



OMIC original spare parts: Guaranteed of efficiency and durability for your system.



Immediate availability: Wide range of spare parts always in stock.



Tested components: Compliant with manufacturer specifications.



Compliant maintenance: Respecting intervals and procedures



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