

BOOSTER BM

BM 10 - 80 BAR

Suction

From 4 to 12 BAR / From 57 to 270 PSI

Pressure

BAR 10 - 80 / PSI 870 - 5000

Delivery

l/min 220 - 5190 / m³/h 13 - 311



Quality System Certified
ISO 9001

Technical data may be changed by manufacturer at any time

MADE IN ITALY BY NARDI COMPRESSORI

www.nardicompressori.com

BM INDUSTRY is a product line that includes several products made by NARDI COMPRESSORI that are designed to operate at very high efficiency and at the same time are made with resistant materials that guarantee many hours of operation. The "BM" BOOSTER range which stands for Booster at Medium Pressure, draws from a pressurized line at a minimum pressure of 4 bar and it recompresses gas up to 80 bar.

The compressor block, or pump unit, is the heart of the machine, it is a critical component where NARDI has put major attention. The features of this medium pressure Booster make it unique in the world.



Frames For this product line, 3 types of frames have been developed to satisfy all market demands.



Frame P

This frame is designed to reduce weight and dimensions, making the compressor light and portable with its aluminum frame coated with epoxy powder paint and with its stainless steel components. It is equipped with a counter-frame with double anti-vibration which eliminates the vibrations on the ground.

Frame C

This is the most compact silent model of the Nardi Compressori medium pressure range. It was designed with a sound insulated frame for indoor installation. Its sound absorbing internal lining guarantees a very low noise level and the fan ensures a good ventilation.



Frame M

This is a silent model designed also for outdoor installations. Our engineers have looked into every single detail to create this anti vibration housing with an easy side-opening ensuring a perfect ventilation to safeguard the pumping block from harsh weather conditions and lowest noise level.



Controls and Electronics

For a proper operation of the Booster, NARDI has designed a new electronic control panel. This new system controls all the main characteristics as temperature, oil level, current consumption, inlet pressure, outlet pressure and it monitors all sensors, valves and solenoid valves. In addition to this, the electronic control panel keeps track of the service schedule and oversees the status of the filtering system.



Compressed Gas Quality

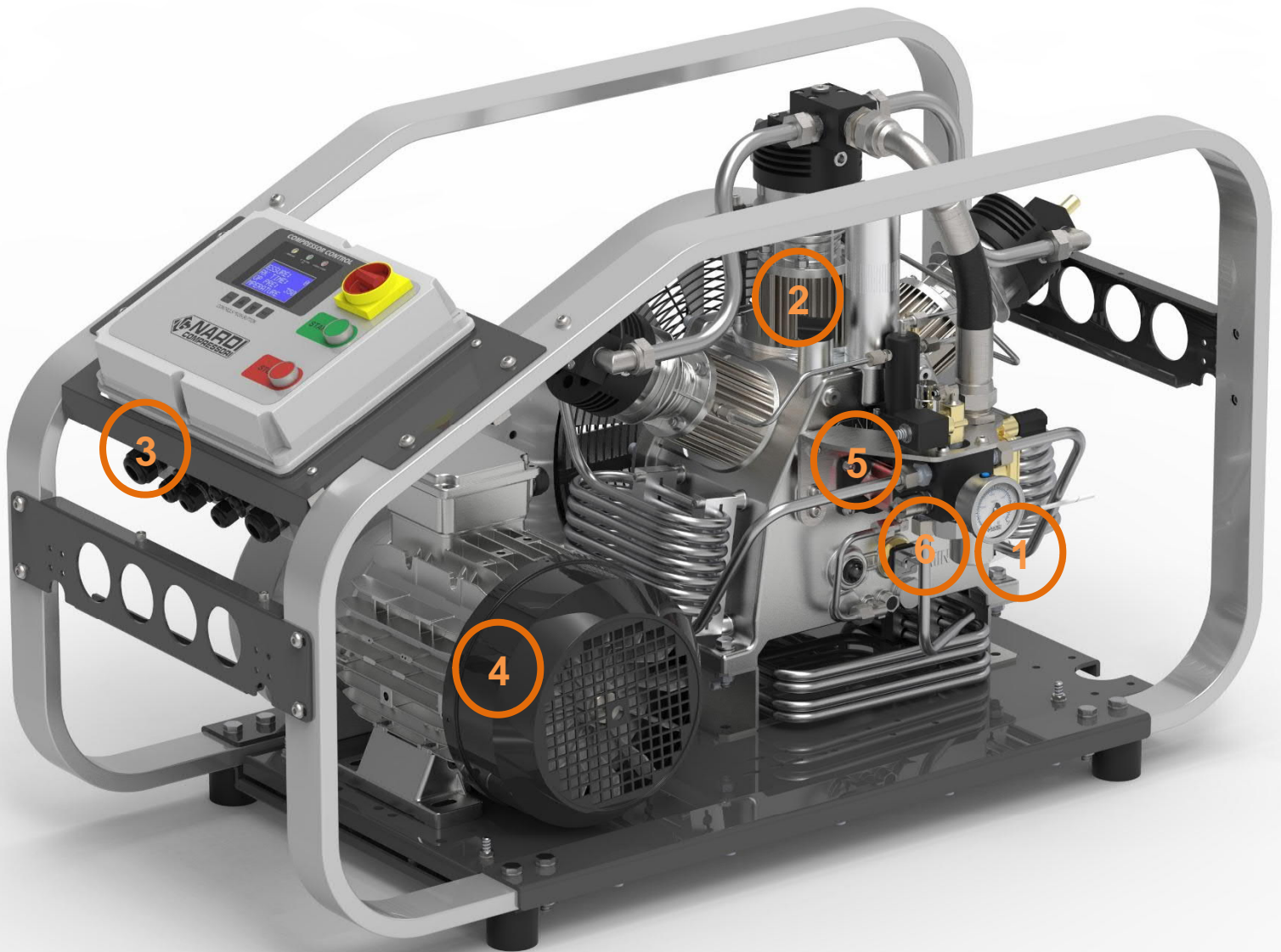
The novelty developed by Nardi Compressori is a system with constant checking that the compressed gas is not contaminated by any particles of organic compounds, such as lubricating oil. This is an optional device that must be requested upon ordering the Booster.

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- 1 Intake Valve
- 2 Compressor Block
- 3 Electronic Control
- 4 Electric motor

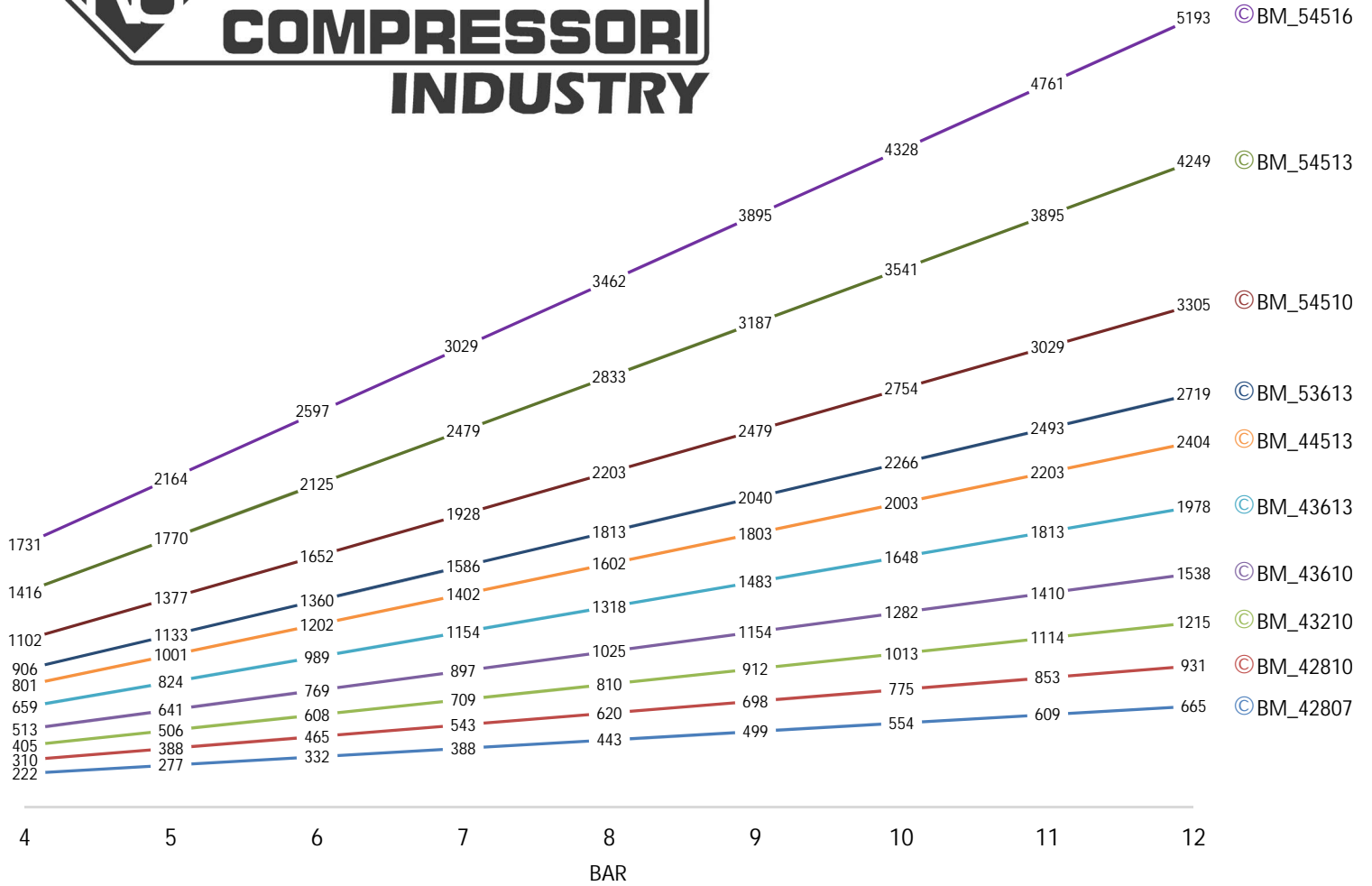


- 5 Oil pump lubrication
- 6 Compressed gas Outlet

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| Booster 10 – 40 BAR | Power | Booster 10 – 60 BAR | Power | Booster 10 – 80 BAR | Power | F.A.D. / 4 BAR – 58 PSI SUCTION | | | F.A.D. / 12 BAR – 270 PSI SUCTION | | |
|---------------------|-----------|---------------------|----------|---------------------|---------|---------------------------------|------|------|-----------------------------------|------|-----|
| Booster Model | Engine | Booster Model | Engine | Booster Model | Engine | F.A.D. | | | F.A.D. | | |
| Type | HP - kW | Type | HP - kW | Type | HP - kW | l/min. | m³/h | cfm | l/min. | m³/h | cfm |
| BM442807 | 3,4 – 2,5 | BM642807 | 5 – 3,5 | BM842807 | 6 – 4,5 | 220 | 13 | 7,7 | 670 | 40 | 23 |
| BM442810 | 5 – 3,5 | BM642810 | 6 – 4,5 | BM842810 | 7 – 5,5 | 310 | 19 | 10,9 | 930 | 56 | 32 |
| BM443210 | 6 – 4,5 | BM643210 | 7 – 5,5 | BM843210 | 8 – 6 | 405 | 24.5 | 14 | 1215 | 73 | 42 |
| BM443610 | 7,5 – 5,5 | BM643610 | 9 – 6,5 | BM843610 | 9 – 6,5 | 515 | 31 | 18 | 1540 | 92.5 | 52 |
| BM443613 | 9 – 6,5 | BM643613 | 10 – 7,5 | BM843613 | 12 – 9 | 660 | 39.5 | 23 | 1980 | 119 | 68 |
| BM444513 | 10 – 7,5 | BM644513 | 11 – 8 | | | 800 | 48 | 28 | 2400 | 144 | 84 |
| BM453613 | 15 – 11 | BM653613 | 16 – 12 | | | 900 | 54 | 31 | 2720 | 163 | 95 |
| BM454510 | 16 – 12 | | | | | 1100 | 66 | 38 | 3300 | 198 | 116 |
| BM454513 | 17,5 – 13 | | | | | 1420 | 85 | 49 | 4250 | 255 | 148 |
| BM454516 | 20 – 15 | | | | | 1730 | 104 | 60 | 5190 | 311 | 203 |

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