

**BOOSTER N<sub>2</sub>**

**BON2 55-350**

Delivery

l/min 140 - 550 / m<sup>3</sup>h 8,4 - 33

Delivery Pressure Range

BAR 100 - 350 / PSI 1450 - 5000

Suction Pressure Range

BAR 4 - 11 / PSI 58 - 160



Quality system certified  
to iso 9001

All technical data may be changed

MADE IN ITALY BY NARDI COMPRESSORI

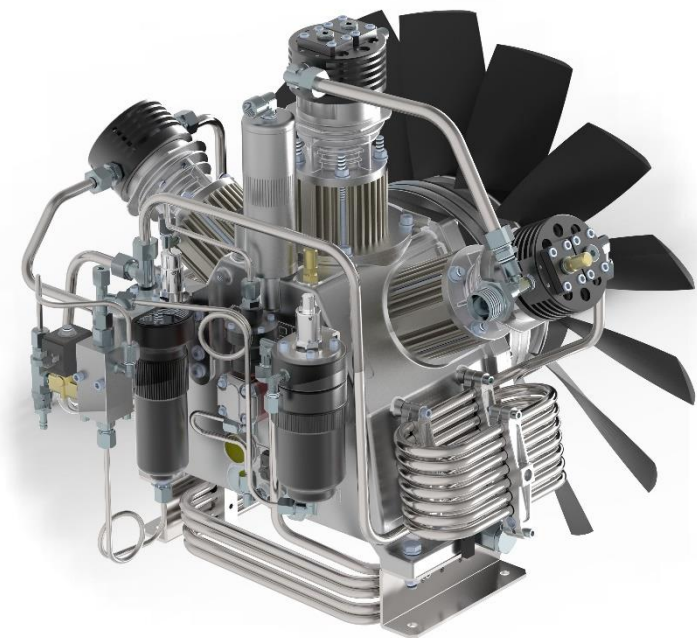
[www.nardicompressori.com](http://www.nardicompressori.com)

## BOOSTER N2 55-350

INDUSTRY is a product line that includes several products made by NARDI COMPRESSORI which are designed to operate at very high efficiency and at the same time are made with strong materials that ensure many hours of operation. BOOSTER N2 is a compressor that draws from a pressurized line, in this case Nitrogen "N2" at a minimum pressure of 4 bar.

### QUALITY OF COMPRESSOR BLOCK

The compressor block or pump unit is the heart of the machine, it is a critical component in which NARDI has put particular attention. It has features that make it unique in the world. Among these, the use of light alloys with high thermal efficiency, such as aluminum alloys that are also used for the construction of the cylinders. The pump unit does not undergo any paint coating to enhance the heat dissipation of its low corrosion assembling elements.



The bearings of the crankshaft have rollers, extremely robust and made in Europe which guarantee a long life of the compressor. An oil pump provides a constant lubrication of the inner workings of the block with oil cleaned of impurities by a filter and by a magnet which catches any metals present in the lubricating oil. The compressed air cooling is obtained by inter-stage stainless steel cooling coils.

### EFFICIENCY OF THE FRAME

The sound insulated frame or cabinet is constructed with panels that are designed to work in harsh conditions and to withstand harsh environments. In fact if water were to enter from the top ventilation grill it would be conveyed and ejected by a canal and two side holes preventing the pumping unit from getting wet. In addition to this the sound absorbing internal lining of the panels make the cabinet very quiet. The large wing-shaped fan blades guarantee not only a very low sound pressure but also a highly efficient ventilation.

### CONTROL AND ELECTRONICS

For proper operation of the compressor, NARDI has designed a new electronic control panel. This new system, controls all the key points as temperature, oil level, current consumption, inlet pressure, outlet pressure and manages all the valves and solenoid valves. In addition to this, the electronic control panel handles the service schedule and monitors the status of the filtering system.

### PURITY OF FILTRATION

The compressor is equipped with various filters and separators, in addition to two separators assembled on the compressor block, one of which is specific for Nitrogen, it also has two large filters that guarantee many work hours without letting pass through water and oil residue.

### ECONOMY

Everything in the compressor is designed to optimize both the operating costs as well labour costs. Service of the compressor in addition of being rather inexpensive is scheduled at long time intervals. When the compressor is in operation to optimize the cost NARDI has designed the automatic condensate drain of the compressor, which is equipped with a unique patented **SLOW FLOW SYSTEM**, that reduces the quantity of gas expelled by 80% saving on pressurization of the entire system.

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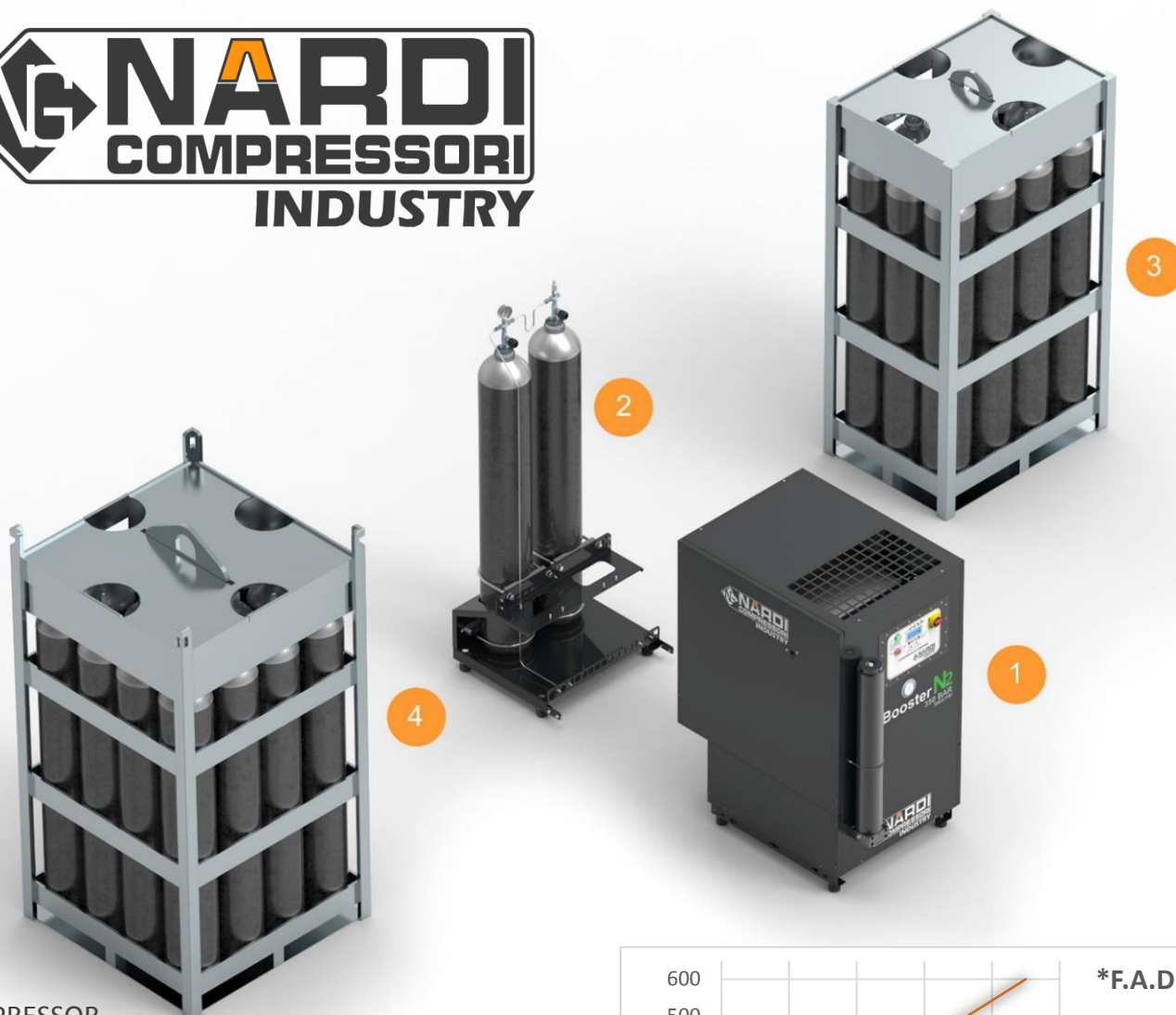
- 1 Compressor Block
- 2 IE3 Electric Motor
- 3 Filter PAC3
- 4 Electronic Control Panel
- 5 Pressure gauge
- 6 Intake Valve
- 7 Sound Absorbing Panels
- 8 Frame Extension (optional)

- 9 Storage 100 liters (optional)
- 10 Storage Pressure Gauge
- 11 PED Certified Safety Valve
- 12 Compressed Gas Outlet

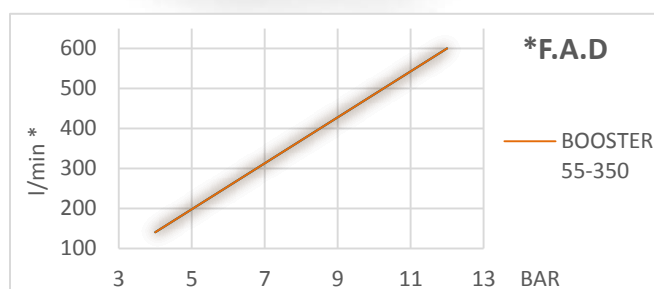
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- 1 COMPRESSOR
- 2 STORAGE TWO CYLINDERS (optional)
- 3 STORAGE 12 CYLINDERS (optional)
- 4 STORAGE 16 CYLINDERS (optional)



Compressor Model	F.A.D.		Intake Pressure	Max pressure	Stages	Rpm	Power	Noise	Weight		Dimensions
Modello Compressore	Aria resa		Pressione aspirazione	Max pressione	Stadi	Giri	Motore	Rumore	Peso		Dimensioni
Type	l/min.	m <sup>3</sup> /h	Bar	Bar	N°	Rpm	HP - kW	dB	Kg	Lbs	cm (LxWxH)
<b>BOOSTER N2 55-350</b>	140 - 250	8,4 - 15	4 - 6	350	2	1350	IE3 7,5 - 3,5	68	260	573	75 x 108 x 140
	310 - 420	18,6 - 21,6	7 - 9				IE3 7,5 - 4,0				
	480 - 550	28,8 - 33	10 - 11				IE3 7,5 - 4,5				

Storage Model	Cylinders	Volume	Max Pressure		Directive	Weight		Dimensions
Modello Stoccaggio	Bombole	Volume	Pressione massima		Norma	Peso		Dimensioni
Type	N°	Litri	BAR	PSI	Type	Kg	Lbs	cm (LxWxH)
<b>BON2 55 STOCK 2 TANK</b>	2	100	300	4350	PED	205	452	72 x 68 x 185
<b>STOCK 12 TANK</b>	12	600	300	4350	TPED	1100	2425	101 x 76 x 201
<b>STOCK 16 TANK</b>	16	800	300	4350	TPED	1320	2910	101 x 101 x 201

### NARDI COMPRESSORI SRL

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SUBJECT TO TECHNICAL MODIFICATIONS

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