MADE IN ITALY

NUAIR COMPRESSORS
THE WIND OF CHANGE.

MiniORION-E - ORION-E

2.2-7.5 kW

The smallest direct driven
rotary screw compressors



NEW
2026 RANGE

FNA COMPRESSORS

80 years of compressed air.

FNA COMPRESSORS is a Multinational company with 80 years of experience in the compressed air sector, founded from the merger of three long-established Italian compressor companies, which has developed an industrial synergy capable of competing on the world market without fear of comparison. Thanks to the consolidated experience and leadership of a family that has been operating exclusively in the compressed air sector for two generations, FNA COMPRESSORS is one of the leading manufacturers of air compressors for industrial, professional and consumer use.

NUAIR, an integral part of the FNA COMPRESSORS family, is the industrial trademark, an undisputed leader in the design, development, production and distribution of high-tech solutions for compressing air with the greatest possible energy savings, serving every sector, from large industry to small business.

NUAIR's screw compressors, in the 2.2 to 75 kW power range, are manufactured entirely in Italy in the province of Bologna, an area renowned for its excellence in precision engineering, where the most modern design, construction, assembly and testing technologies are applied to ensure customers reliable compressors with first-class performance.



TURIN
ITALY

Production sites around the world





Facts and figures

1.500.000	Piston compressors produced per year
11.000	Screw compressors produced per year
1.500	Global service centres
1.300	Employees
300	Million € turnover
120	Countries we export to
7	Manufacturing plants

The NUAIR brand

Manufacturers of air-ends for over 30 years.

NUAIR is the leading Italian company, that has been able to combine craftsmanship passion with the most modern industrial technologies, integrating highly specialised labour with last-generation automatic machinery. The Made in Italy trademark is the expression of typical Italian quality and creativity, recognised and appreciated around the world, and which is now one of the distinguishing elements of our industrial production.

What makes NUAIR screw compressors unique is the guarantee of a product that is made entirely in Italy: from design to packaging, each stage of production is carefully overseen by our engineers and aimed at developing a machine that exceeds the most demanding requirements in terms of reliability, energy saving, performance, quiet and safe operation.

NUAIR air-ends, the true heart of our compressors, feature rotors with an optimised profile and outstanding performance. Their production process is completely integrated thanks to robotic machine tools and sophisticated control instrumentation that guarantees the highest level of quality. Each single rotor is machined in four very specific stages to achieve high precision and repeatability.

Before reaching the customer, every individual compressor is fully tested before completing final checks that ensure total compliance with over fifty stringent technical requirements.

Since 1996, the company's Quality System has been certified according to UNI EN ISO 9001:2015.



















MiniORION-E 2.2 kW
Compact and smart!

Performant and user friendly
MiniORION-E is the new oil-lubricated coaxial compressor with direct starter, the smallest of the entire NUAIR screw range.
The small size of the air-end / motor connection system allows the machine to maintain an extremely small footprint.
MiniORION-E is available in the floor mounted version or on a painted or galvanized 90-litre tank.

Silent
Thanks to its extreme quietness, only 65 dB(A), MiniORION-E can be placed near any operating environment.

Efficient and cost-effective
MiniORION-E is designed for continuous operation in industrial applications. The coaxial transmission, with the air-end directly connected to the electric motor without any flexible coupling, ensures the best transmission efficiency.
The three-phase versions are equipped with an IE3 energy efficiency class motor.
The FS14 air-end ensures minimum pressure losses, providing considerable energy savings and low operating and maintenance costs.

Easy to move
MiniORION-E is handy and easy to move, thanks to the 2 sides handles (only floor mounted version) and the forklift or pallet truck pre-arrangement at the bottom of the tank.

Simplified maintenance
All the internal components are easily accessible, making routine maintenance fast and simple to perform.

Plug&Play
MiniORION-E is ready for use: it is supplied already equipped with RotarECOFLUID mineral oil.

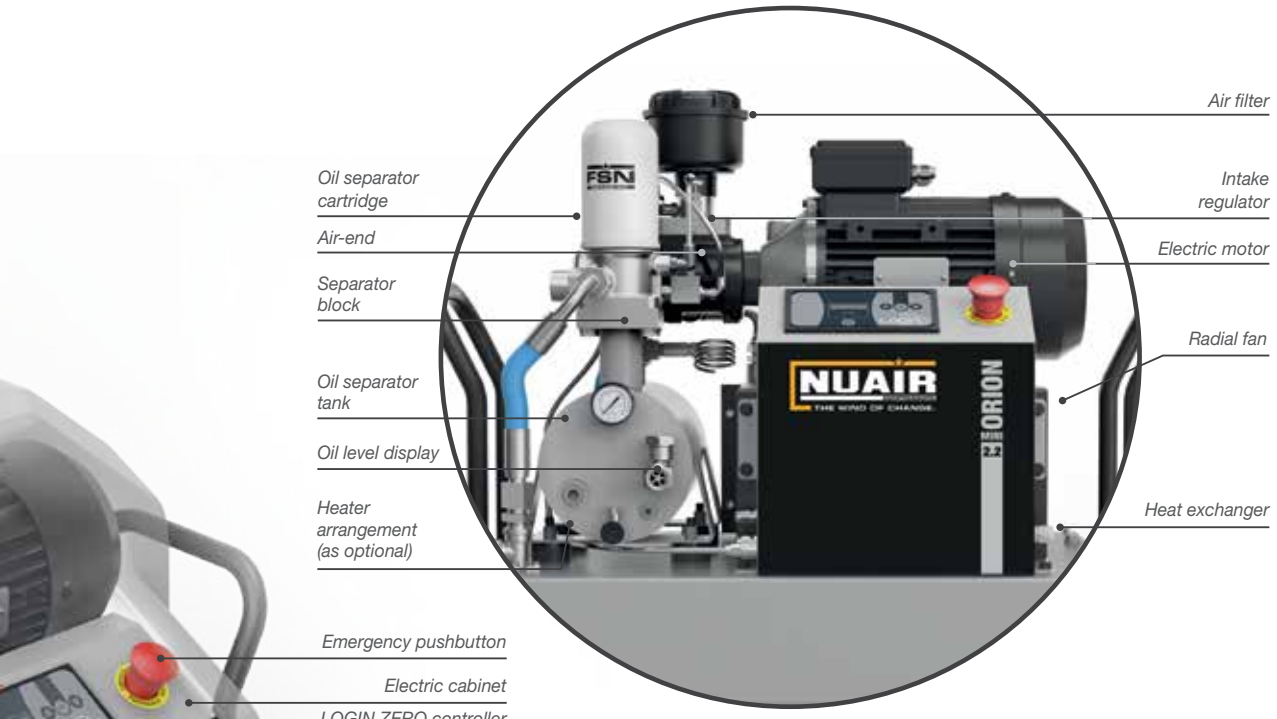
Optional heater
Prevents the formation of condensate, maintaining an adequate oil temperature during the standby phase of the compressor, useful when operating in cold ambient conditions.



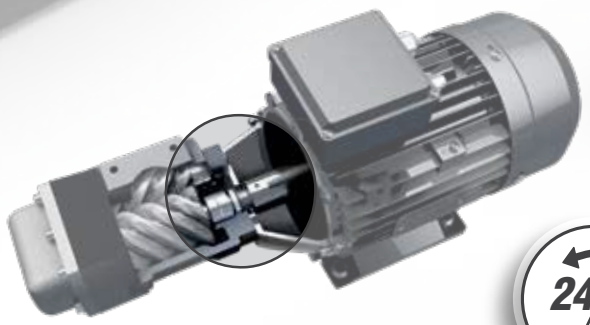


LOGIN ZERO
Multi-function controller with 5-digit LED display.

Measures and displays:
- Compressor status (stand-by, idle, load, off).
- Operating temperature.
- Operating pressure.
- Total working hours and load hours.
- Remaining hours to maintenance.
- Alarm management (motor thermal overload, fan thermal overload, oil temperature values) with dedicated LED signalling.
- Auto-restart after power failure.
- Integrated digital phase sequence control.









MiniORION-E
2.2 kW

P/N		Tank	Power		Power supply	Air outflow rate			Max. pressure		Sound level	Connection	Net weight	Net dimensions	Gross weight	Gross dimensions
		ℓ	kW	HP	V/Ph/Hz	l/min	m³/min	cfm	bar	psi	dB(A)	G	kg	L x W x H (mm)	kg	L x W x H (mm)
FLOOR MOUNTED																
MiniORION-E 2.2-10	**V51PK72N1NA80**	–	2.2	3	400/3/50	261	0.26	9.2	10	145	65	1/2"	68	765x465x600	79	840x540x790
MiniORION-E 2.2-10 M	**V51PK60N1NA80**	–	2.2	3	230/1/50	261	0.26	9.2	10	145	65	1/2"	68	765x465x600	79	840x540x790
PAINTED TANK																
MiniORION-E 2.2-10-90	**V72PK72N1NA55**	90	2.2	3	400/3/50	261	0.26	9.2	10	145	65	1/2"	98	750x465x1144	110	840x540x1340
MiniORION-E 2.2-10-90 M	**V72PK60N1NA55**	90	2.2	3	230/1/50	261	0.26	9.2	10	145	65	1/2"	98	750x465x1144	110	840x540x1340
GALVANIZED TANK																
MiniORION-E 2.2-10-90z	**V72PK72N1NA00**	90	2.2	3	400/3/50	261	0.26	9.2	10	145	65	1/2"	98	750x465x1144	110	840x540x1340
MiniORION-E 2.2-10-90z M	**V72PK60N1NA00**	90	2.2	3	230/1/50	261	0.26	9.2	10	145	65	1/2"	98	750x465x1144	110	840x540x1340

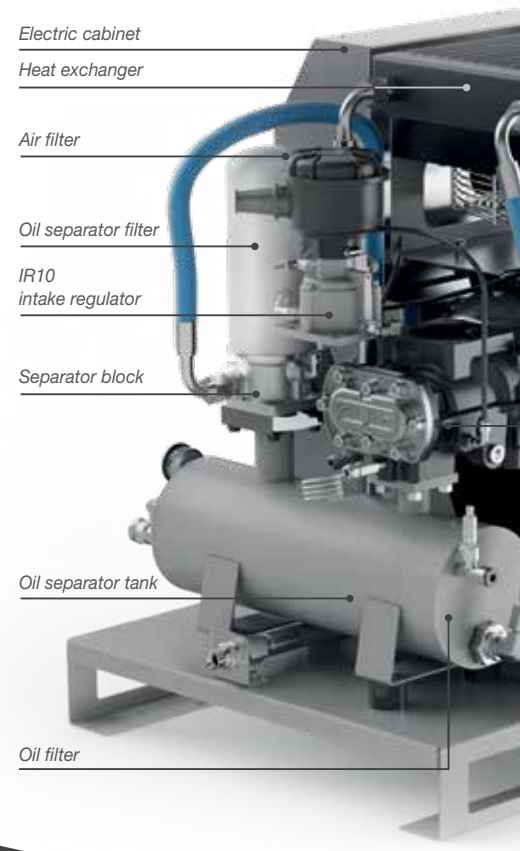
M = Single-phase Z = Galvanized tank
Reference conditions: air intake temperature 20°C (68°F) – atmospheric pressure 1 bar (14.5 p.s.i.).
Air flow was measured in the following operative pressures: 7.5 bar for models at 8 bar - 9.5 bar for models at 10 bar.
The data and results were measured in accordance with standard ISO 1217.
The sound level was measured in accordance with standard ISO 2151, with a tolerance of ±3 dB(A).

NUAIR COMPRESSORS THE WIND OF CHANGE.

ORION-E 4-7.5 kW

The direct drive screw compressor compact, reliable, silent.





Excellent performance

The ORION-E range represents a point of reference in the world of industrial compressed air.
As a result of the gearless coaxial drive system, all the power of the electric motor is transferred to the air-end without losing efficiency and ensuring top operating reliability.
ORION-E compressors are designed to run continuously under the most severe conditions of use, with special attention to energy consumption, quiet operation, reduced operating and maintenance costs, and ease of installation and use.

Air dryer included

The “ES” version has the refrigerated dryer entirely enclosed within the main cabinet while maintaining the same shape and dimensions of the machine. It is immediately ready for operation, without any additional installation costs.
The dryer ensures the production of dry air, which is essential for preserving the systems and the quality of the end product. It enables excellent performance, even in unfavourable environmental conditions and high inlet temperatures.

Simplified maintenance

Routine maintenance parts are easily accessible and simple to replace, ensuring long service intervals and keeping maintenance costs low.

ORION-E is ready for use: it is supplied already equipped with RotarECOFLUID mineral oil.



FS26 air-end



ETMII

Electronic controller with backlit multi-function display; the menu is alphanumeric.

Measures and displays:
- Operating pressure (load / no-load);
- Oil temperature;
- Total operation hours;
- Load operation hours;
- Four maintenance timers (air filter, oil, oil filter, separator filter);
- Auto-restart after power failure.
- Programmable cooling fan temperature.
- Programmable remote control starting of the compressor.
- Integrated phase sequence relay.



ORION-E
4-7.5 kW

P/N		Air receiver	Power		Power supply	Air outflow rate			Max. pressure		Sound level	Con-nection	Net weight	Net dimensions	Gross weight	Gross dimensions
		ℓ	kW	HP	V/Ph/Hz	l/min	m³/min	cfm	bar	psi	dB(A)	G	kg	L x W x H (mm)	kg	L x W x H (mm)
4 kW																
ORION-E 4.0-10	**V51PD92N1NA80**	–	4	5.5	400/3/50	460	0.46	16.2	10	145	63	1/2"	104	670x570x805	115	720x670x970
ORION-E 4.0-10-200	**V77PD92N1NA55**	200	4	5.5	400/3/50	460	0.46	16.2	10	145	63	1/2"	163	1270x570x1410	190	1320x850x1720
ORION-E 4.0-10-200 ES	**V77PD92N1NB55**	200	4	5.5	400/3/50	460	0.46	16.2	10	145	63	1/2"	183	1270x570x1410	210	1320x850x1720
5.5 kW																
ORION-E 5.5-10	**V51PE92N1NA80**	–	5.5	7.5	400/3/50	705	0.70	24.9	10	145	67	1/2"	107	670x570x805	118	720x670x970
ORION-E 5.5-10-200	**V77PE92N1NA55**	200	5.5	7.5	400/3/50	705	0.70	24.9	10	145	67	1/2"	163	1270x570x1410	190	1320x850x1720
ORION-E 5.5-10-200 ES	**V77PE92N1NB55**	200	5.5	7.5	400/3/50	705	0.70	24.9	10	145	67	1/2"	183	1270x570x1410	210	1320x850x1720
7.5 kW																
ORION-E 7.5-10	**V51PO92N1NA80**	–	7.5	10	400/3/50	1050	1.05	37.1	10	145	67	1/2"	112	670x570x805	123	720x670x970
ORION-E 7.5-10 ES	**V51PO92N1NB80**	–	7.5	10	400/3/50	1050	1.05	37.1	10	145	67	1/2"	132	670x570x805	143	720x670x970
ORION-E 7.5-10-270	**V91PO92N1NA55**	270	7.5	10	400/3/50	1050	1.05	37.1	10	145	67	1/2"	188	1200x600x1500	215	1320x850x1720
ORION-E 7.5-10-270z	**V91PO92N1NA00**	270	7.5	10	400/3/50	1050	1.05	37.1	10	145	67	1/2"	188	1200x600x1500	215	1320x850x1720
ORION-E 7.5-10-270 ES	**V91PO92N1NB55**	270	7.5	10	400/3/50	1050	1.05	37.1	10	145	67	1/2"	208	1200x600x1500	235	1320x850x1720
ORION-E 7.5-10-270z ES	**V91PO92N1NB00**	270	7.5	10	400/3/50	1050	1.05	37.1	10	145	67	1/2"	208	1200x600x1500	235	1320x850x1720
ORION-E 7.5-10-500	**V83PO92N1NA55**	500	7.5	10	400/3/50	1050	1.05	37.1	10	145	67	1/2"	240	2000x600x1500	280	2070x800x1690
ORION-E 7.5-10-500 ES	**V83PO92N1NB55**	500	7.5	10	400/3/50	1050	1.05	37.1	10	145	67	1/2"	260	2000x600x1500	300	2070x800x1690

D = with refrigerated dryer, Z = with galvanized tank
Reference conditions: air intake temperature 20°C (68°F) – atmospheric pressure 1 bar (14.5 p.s.i.).
Air flow was measured at 9.5 bar operating pressure. The data and results were measured in accordance with standard ISO 1217.
The sound level was measured in accordance with standard ISO 2151, with a tolerance of ±3 dB(A).

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The models and characteristics described in this catalogue may be subject to change without notice. The images shown may vary from the actual products.

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The great family of air compressors.

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