

# Mercury Mech 2.2 - 3.0 - 4.0

## Construction features and advantages:

- Working pressure: 8 and 10 bar, with power from 2.2 to 4 kW.
- Electromechanical ON/OFF switch, easy to use: no idle running means considerable energy saving.
- Floor mounted version or with 200 litre tank, with or without dryer, ready for instant operation.
- Tank-mounted models with ball valve for smooth condensate drain.
- Very compact design.
- Minimum energy consumption.
- Low noise: 58-60 dB(A).
- The machine is supplied ready for use.
- Oil filter and oil separator filter (both spin-on type) and air filter, all quite large: this means long service intervals and lower costs.

**NEW** Anti-rotation system.

■ Pressure switch to control compressor fitted with gauge and hour counter.



■ MERCURY Mech 3.0-10



**FS14**  
Air-ends are entirely designed and made in Italy, just as the intake regulator and separator block with minimum pressure/check valve.

Available versions:

- floor mounted compressor;
- compressor + 200 litre tank;
- compressor + 200 litre tank + dryer.



■ MERCURY Mech 3.0-10



■ MERCURY Mech 4.0-10-200



■ MERCURY Mech 4.0-10-200 ES

## 2.2-4 kW (3-5.5 HP)

ELECTROMECHANICAL														
Model	Code	Tank capacity	Motor Power		Air delivered			Working pressure		Noise level	Connec-tion	Weight		Dimensions
		ℓ	kW	HP	l/min.	m³/h	c.f.m.	bar	p.s.i.	dB(A)	G	kg	lbs	LxWxH (cm)
Floor mounted - Single-phase														
MERCURY Mech 2.2-10 M	V51JT60N1N564	–	2.2	3	240	14.4	8.5	10	145	58	1/2"	87	192	58 x 48 x 76
Floor mounted														
MERCURY Mech 2.2-08	V51JU72N1N564	–	2.2	3	325	19.5	11.5	8	116	58	1/2"	87	192	58 x 48 x 76
MERCURY Mech 2.2-10	V51JT72N1N564	–	2.2	3	290	17.4	10.2	10	145	58	1/2"	87	192	58 x 48 x 76
MERCURY Mech 3.0-08	V51JS72N1N564	–	3	4	430	25.8	15.2	8	116	59	1/2"	92	203	58 x 48 x 76
MERCURY Mech 3.0-10	V51JQ72N1N564	–	3	4	385	23.1	13.6	10	145	59	1/2"	92	203	58 x 48 x 76
MERCURY Mech 4.0-08	V51JR72N1N564	–	4	5.5	580	34.8	20.5	8	116	60	1/2"	93	205	58 x 48 x 76
MERCURY Mech 4.0-10	V51JP72N1N564	–	4	5.5	485	29.1	17.1	10	145	60	1/2"	93	205	58 x 48 x 76
With tank - Single-phase														
MERCURY Mech 2.2-10 M - 200	V77JT60N1N544	200	2.2	3	240	14.4	8.5	10	145	58	1/2"	144	318	144 x 51 x 128
With tank														
MERCURY Mech 2.2-08 - 200	V77JU72N1N544	200	2.2	3	325	19.5	11.5	8	116	58	1/2"	144	318	144 x 51 x 128
MERCURY Mech 2.2-10 - 200	V77JT72N1N544	200	2.2	3	290	17.4	10.2	10	145	58	1/2"	144	318	144 x 51 x 128
MERCURY Mech 3.0-08 - 200	V77JS72N1N544	200	3	4	430	25.8	15.2	8	116	59	1/2"	149	329	144 x 51 x 128
MERCURY Mech 3.0-10 - 200	V77JQ72N1N544	200	3	4	385	23.1	13.6	10	145	59	1/2"	149	329	144 x 51 x 128
MERCURY Mech 4.0-08 - 200	V77JR72N1N544	200	4	5.5	580	34.8	20.5	8	116	60	1/2"	150	332	144 x 51 x 128
MERCURY Mech 4.0-10 - 200	V77JP72N1N544	200	4	5.5	485	29.1	17.1	10	145	60	1/2"	150	332	144 x 51 x 128
With tank and dryer														
MERCURY Mech 2.2-08 - 200 ES	V77JU72N1N644	200	2.2	3	325	19.5	11.5	8	116	58	1/2"	174	384	144 x 51 x 128
MERCURY Mech 2.2-10 - 200 ES	V77JT72N1N644	200	2.2	3	290	17.4	10.2	10	145	58	1/2"	174	384	144 x 51 x 128
MERCURY Mech 3.0-08 - 200 ES	V77JS72N1N644	200	3	4	430	25.8	15.2	8	116	59	1/2"	179	395	144 x 51 x 128
MERCURY Mech 3.0-10 - 200 ES	V77JQ72N1N644	200	3	4	385	23.1	13.6	10	145	59	1/2"	179	395	144 x 51 x 128
MERCURY Mech 4.0-08 - 200 ES	V77JR72N1N644	200	4	5.5	580	34.8	20.5	8	116	60	1/2"	180	397	144 x 51 x 128
MERCURY Mech 4.0-10 - 200 ES	V77JP72N1N644	200	4	5.5	485	29.1	17.1	10	145	60	1/2"	180	397	144 x 51 x 128

Free air delivery as per ISO 1217 Annex C, at 7.5 - 9.5 bar at the compressor outlet. ± 3 dB (A) as PNEUROP/CAGI PN-NTC 2.3.



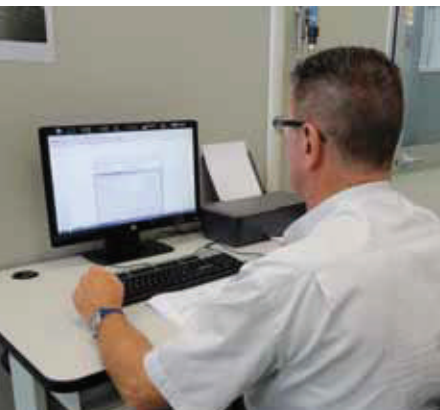
**Centrifugal fan**  
Thermostatically controlled, it ensures ideal cooling, keeping the machine's noise level low.



**Belt-driven transmission**  
The Poly-V belt guarantees minimum maintenance and extended service lifetime.



**Simple maintenance**  
The internal mechanical parts are easy to access, to perform routine maintenance quickly and simply.



## Screw technology

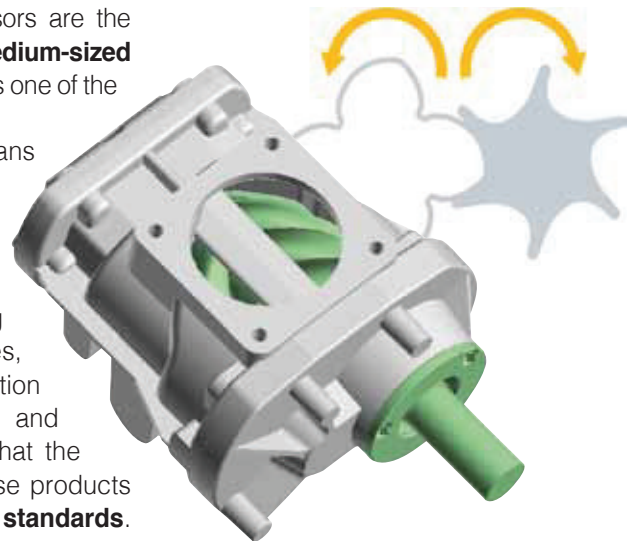
- NU AIR air-ends feature **one of the most advanced rotor profile design available**. The manufacturing process is fully **integrated**, thanks to ultra modern machine tools and sophisticated operating instrumentation that provide the highest quality standard.
- A solid modeling CAD system ensures the ideal components arrangement.
- The production process of the rotors goes through 4 different machining steps that make it possible to achieve superior machining accuracy and consistent performance. This level of precision means any male rotor can be perfectly matched with any female counterpart.
- All air-ends are individually tested two times: after their manufacture and a further time following assembly on the completed compressor.

## Innovation

- NU AIR's **construction philosophy is based on the selection and simple assembly** of the most reliable and efficient technical solutions. The higher wear resistant Poly-V belt drive, the oversized combined air/oil exchanger with centrifugal cooling fan and thermostatic control to ensure the ideal operating temperature, and high-efficiency electrical motors, make NU AIR compressors robust and reliable work companions, even in the most heavy-duty conditions.

## Quality

- NU AIR rotary screw compressors are the answer to the needs of **small and medium-sized enterprises**, where compressed air is one of the main sources of energy. A team of highly skilled technicians and operators work meticulously to check product efficiency and quality, relying on the most up-to-date technology and sophisticated equipment. Assembly and testing performed on automated lines, robotic systems of the latest generation and computer tools for design and control are the main investments that the company has implemented to realise products that meet the market's **quality standards**. In addition and most importantly, components are manufactured on CNC machines and are **100% tested**.



## Production

- The entire production procedure is carried out **in-house, at our Italian production plants**; design, machining, assembly, testing, packaging and shipment. Every product, built in compliance to the applicable standards, is closely followed up in all process steps by trained and qualified staff, to ensure that specific quality and functional tests are passed. Besides the fully-assembled product, NU AIR offers a wide range of air-ends, intake regulators, thermostatic valves and accessories for the assembly of rotary compressors.





# Customer Care

Besides manufacturing products of the highest quality and technological content, NU AIR offers its customers a service that meets their demands. The first objective is to guarantee an all-round technical and marketing support, identifying their needs and offering the most suitable solutions, nurturing a relation of mutual cooperation and trust over time. NU AIR has a skilled and motivated team that can provide several services: a call center help-desk, technical on-site consultation, customized price quotes, turnkey projects, maintenance plans, update courses, etc.



## "Hot-Line" Service: fast shipment of spare parts



Our "Hot-Line" service can prepare and ship urgent\* spare parts orders within a day (if received before 12.00 p.m.).

*\* Specify "Hot-Line" on the order.  
Max. 5 codes, 1 piece per code.*

NU AIR guarantees the origins of all components, which are specifically manufactured and tested to be used on our compressors. The use of original, certified spare parts guarantees the efficiency and reliability of the compressor, it extends its lifespan and lowers maintenance costs.



## Original spare parts

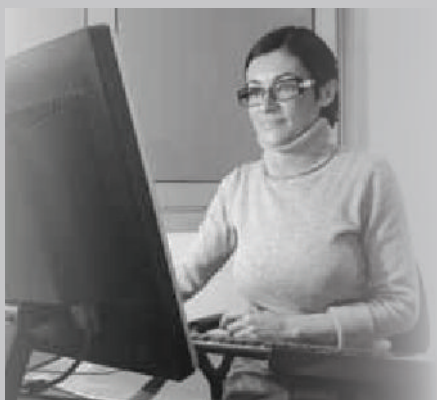
## 2-year Warranty on screw unit and on electronic controller



We offer planned service agreements, with the option of extending the Warranty.

On the NU AIR website, it is possible to check out the exploded views and spare parts lists for any compressor model whenever needed.

[www.nuair.it](http://www.nuair.it)



## On-line consultation of exploded views and spare parts lists