MASIA
Compressors















Model: MNA-15LG

Flow: 32-84 cfm

Pressure: 125 psi

Power: 20 HP

www.masiacompressors.com

ABOUT US

MASIA Compressors

MASIA Group

MASIA Compressors

MASIA Rentals

masia Logistics

MASIA Didactic

MASIA Digital

MASIA Industrial

Masia Compressors leads the manufacturing and supply of comprehensive compressed air and gas processing solutions for critical industrial applications. With a robust portfolio of compressors, treatment equipment, distribution and storage systems, parts, and consumables for demanding environments, we position ourselves as strategic partners to industry.

We back our offering with value-added services: expert engineering consultancy, turnkey project development, and specialized technical support on-site/remot, ensuring optimal performance and reliability.

MASIA has vertically integrated world-class technical, production, commercial, logistics, and organizational processes. This solid value chain, combined with our customer-focused strategy, ensures sustained success in providing cutting-edge products and services that meet the highest standards of quality and innovation in the industry.

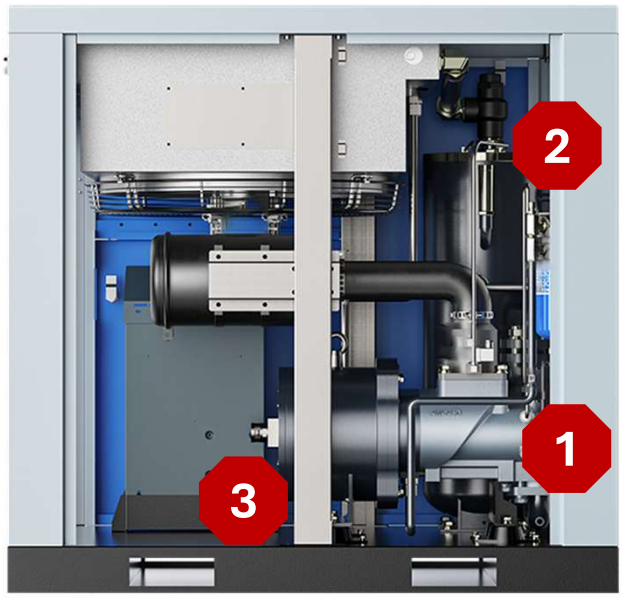


COMPRESSOR DETAILS

MASIA Compressors

1

Compressor airend manufactured in Germany under strict quality standards with SKF bearings, for extended service life



3

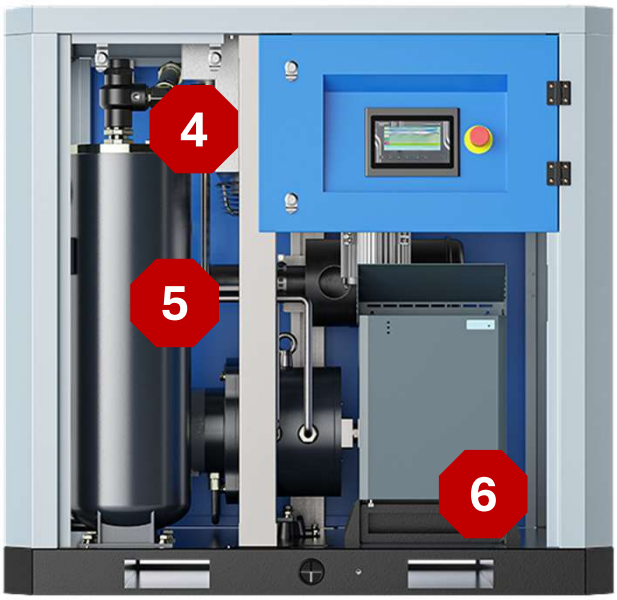
Permanent magnet motor. IE4 efficiency. IP65 protection against dust and moisture. Oil-lubricated and oil-cooled

2

Separator tank engineered to minimize pressure leaks and energy losses, delivering excellent air quality with low oil carryover

4

Heat exchangers made from high-quality aluminum, motor-driven based on oil temperature, reducing wear and energy costs



5

Stainless steel piping significantly reducing oil leaks, designed to withstand high and low temperatures and resistant to high pressure

6

Wide-voltage VFD drive for full compressor control. Compact design with an independent cooling system

DRYER USAGE

MASIA Compressors

Untreated compressed air contains moisture, aerosols, and particles that degrade distribution systems, cause corrosion, and promote leaks. Over time, the resulting maintenance costs far exceed those of proper air treatment. A dryer is the essential solution to protect your equipment and ensure the quality of your final product.



Low maintenance cost

- R410A refrigerant with low energy consumption and zero ozone depletion potential.
- Cross-flow heat exchanger with minimal pressure drop, maximizing energy efficiency.
- Condensate drain with zero compressed air loss.
- Advanced control system ensuring dry air under all load conditions, including freeze protection.
- Pressure dew point: 3 °C / 37 °F (100% RH at 20 °C / 68 °F).

Smart remote control

Monitor and manage your compressor in real time from any device, computer, or smartphone, adjusting all operating parameters to maximize the energy efficiency of your system.



Remote control advantages

- Remote compressor management to optimize energy consumption and reduce operating costs.
- Real-time monitoring of the entire compressed air network
- Alert visualization and early fault detection.

TECHNICAL SPECIFICATIONS AND OPERATING RANGES

MASIA Compressors

Model	MNA-15LG
Atmospheric Pressure (Kg/cm2)	1.033
Compression Stages	1
Ambient Temperature (ºC)	≤46
Relative Humidity (%)	80
Compressor Speed (rpm)	3,550
Discharge Temperature (ºC)	≤ Ambient temperature + 15 ºC
Displacement Control (%)	50~100
Motor Type	PM
Motor Efficiency (%)	95
IP / Insulation Class	65 / F
Service Factor	1.2
Fan Power (kW)	0.38
Cooling Air Volume (m^3/hr)	6,000
Voltage (Adjustable)	220Vac, 230Vac, 440Vac, 460Vac or 480Vac / 60Hz / 3 ph
Voltage Range	±10%
Drive Method	Direct drive 1:1
Starting Method	VSD
Protection Devices	High temperature, overvoltage, overcurrent lockout, phase loss, unstable voltage
Lubricant Grade	ISO 46
Lubricant Capacity (gallons)	3.96
Noise Level dB	65±3
Outlet Connection (inch)	3/4"
Weight (lbs)	903
Dimensions (inches)	58.26" x 31.49" x 74.41"

Modelo	Working Pressure		FAD Capacity		Motor Power	
	bar(e)	psig	L/min	Cfm	kW	HP
MNA-15LG	7.5	109	169 – 2,378	6 – 84	15	20
	8.5	125	169 – 2,293	6 – 81		
	10.5	150	226 – 1,982	8 – 70		

MAIN COMPONENTS LIST

MASIA Compressors

Item	Brand	Origin	
Compressor Airend	MASIA Compressors	Japan	
Permanent Magnet Motor	MASIA Compressors	Japan	
Bearings	SKF	Sweden	
Inlet Valve	HOERBIGER	Austria	
Pressure Sensor	Danfoss	Denmark	
Variable Frequency Drive	INOVANCE	Germany	
Controller	INOVANCE	Germany	
Filters and Lubricant	MASIA Compressors	Germany	
Solenoid valve	ODE	Italy	

MASIA WORLDWIDE

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