MOTO™
SCREW AIR COMPRESSOR

SCREW AIR COMPRESSORS FOR EVERY INDUSTRY

SKW-250KW OIL-INJECTED ROTARY SCREW AIR COMPRESSOR

Energy-efficient screw air compressors with reliable performance, low maintenance, and professional after-sales support for your operations

- Fix speed
- 4 in1Compressor
- PM VSD
- Two Stage



Mob : +91-8743000344 | www.moto-compressor.com

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COMPANY PROFILE

30 YEAR OF EXPERIENCE CELEBRATION

SCREWAIR COMPRESSOR

MOTO Compressor is a leading manufacturer of screw Compressors in India. Our product range starts from 5.5HP to 250HP. Most of our customers choose our quality products because they know our quality policy. Our management policy is to provide additional value to customers through the reliable performance, Durability of components, and long experienced technologies. Currently, our production capacity of screw compressors is 1000 sets per year. We have sales networks in more the 25 locations in the domestic market and export to over 3 countries. We are established with over 25 years of experience our company have the capability to provide high-quality products.





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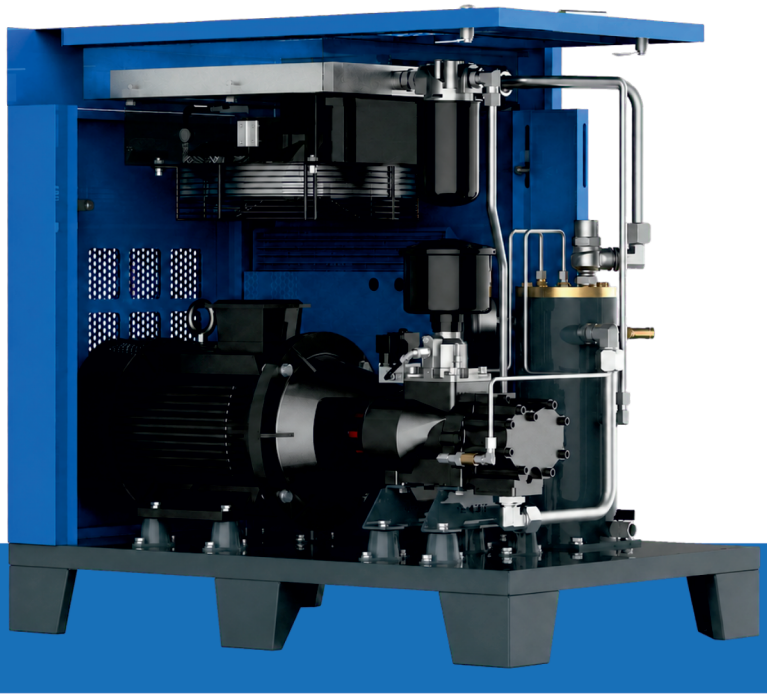
L Series Fixed



DIRECT DRIVEN

MOTO Lubricating Oil

High antioxidant ability.

Resists oil viscosity changes avoids varnish build up and air/oil separator blockages. Increases the maintenance interval time. Although being used in adverse conditions, MOTO efficiency is higher than the normal compressor oil.

Wide range usage temperature.

MOTO runs smoothly and efficiently under the higher oil temperatures and higher discharge temperatures.

Lower volatility.

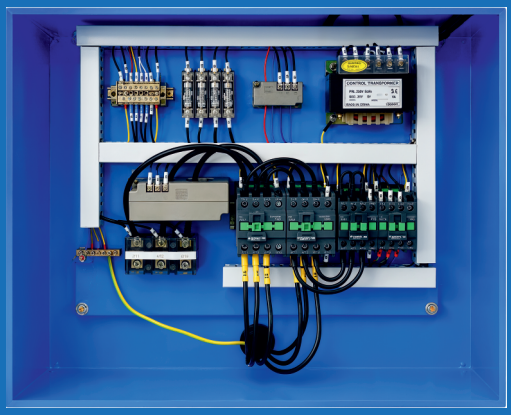
MOTO has lower volatility than normal compressor oil which reduces the oil consumption and improves the quality of compressed air.

High quality.

MOTO is suitable for using in adverse conditions.

Intelligent Micro-Computer Control System

- International standard design
- Intelligent PLC controller, automatically adjusts air compressor load & unload according to the air demand
- Structure of electric box, easy to maintain
- Schneider electric parts, ensuring reliable operating.
- Good fault diagnosis and protect function, stable and saving energy



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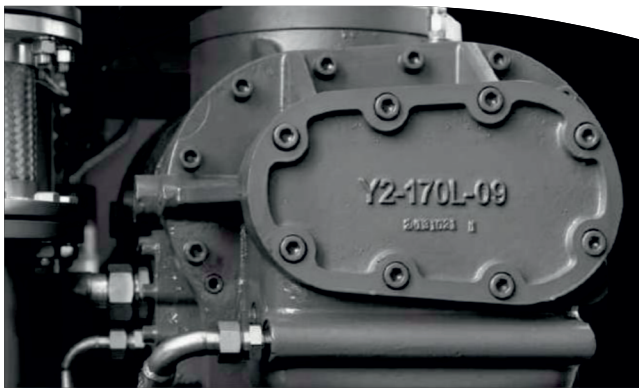


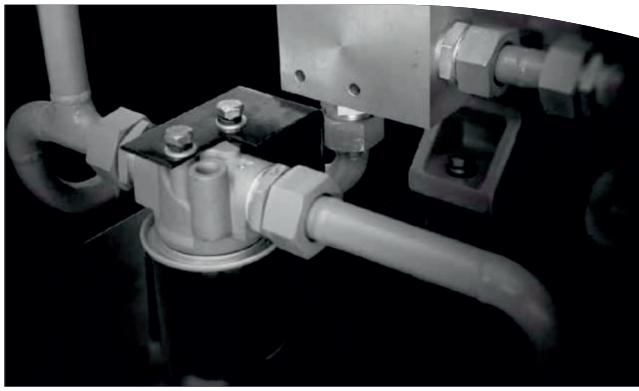
AIR-END

High efficiency

Low rotor speed

Low vibration, stable and reliable performance

Adopt the triple design of cylindrical roller & tapper roller bearing, for longer service life



Pipe system

Stainless steel hard pipe

Good heat dissipation

Using o ring seal

No leakage problem, long service life



Oil filter

High precision filter

Keeps the oil system clean

Superfine glass fibre, dust-holding capacity is 4 times bigger than filter paper

Prevents air-end damaged



Benefit of VFD

Up to 35% Energy Savings

Constant Air Pressure, Lower Operating Cost

Soft Start Technology, Extended Equipment Life

Reduced Noise Level, Lower Carbon Footprint

Smart Performance

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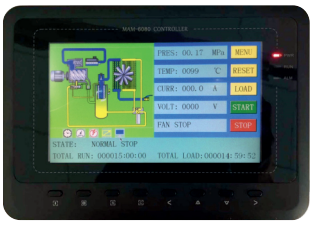
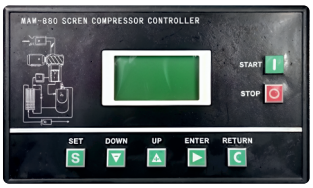
SERIES DIRECT DRIVEN

Micro Computer Control System



- **Automatic Alarm:** Overheating, Lack of oil, High Pressure, Blockage of Separator, Oil and air filter element.
- **Protection:** Motor overload, Single Phase and reverse phase, High discharge temperature.
- **History Record:** Load/Unload Running time, summary running time and history breakdown record
- **Dual Control:** To save energy to can automatically load/unload running with OFF after 3 minutes running on unload.



Technical Data

3-110KW

MODEL	POWER KW/HP	PRESSURE KG/CM²	AIRFLOW CFM	NOISE LEVEL DB (A)	OUTLET CONNECTION	WEIGHT KG	DIMENTIONS L×W×H (mm)	DRIVE METHOD
M5	5.5/7.5	8	27	<64	3/4"	180	800×650×880	DIRECT
M7	7.5/10	8 10 13	40 32 25	<64	3/4"	223	800×650×880	DIRECT
MA11	11/15	8 10 13	58 46 39	<64	1"	315	1140×810×1090	DIRECT
MA15	15/20	8 10 13 16	81 75 62 42	<64	1"	325	1140×810×1090	DIRECT
MA18	18/25	8 10 13	114 98 82	<64	1"	491	1440×910×1250	DIRECT
MA22	22/30	8 10 13 16	138 123 98 68	<68	1"	566	1440×910×1250	DIRECT
MA30	30/40	8 10 13	178 158 127	<68	1"	695	1560×1060×1460	DIRECT
MA37	37/50	8 10 13	232 205 170	<68	1 1/2"	745	1560×1060×1460	DIRECT
MA45	45/60	8 10 13	277 240 195	<68	1 1/2"	800	1560×1060×1460	DIRECT
MA55	55/75	8 10 13	359 322 280	<68	2"	1,420	1900×1250×1155	DIRECT
MA75	75/100	8 10 13	480 390 345	<68	2"	1,500	1900×1250×1155	DIRECT
MA90	90/125	8 10 13	580 504 437	<68	2"	1,620	1900×1250×1155	DIRECT
MA110	110/150	8 10 13	742 645 570	<72	2 1/2"	2,000	2500×1450×1800	DIRECT
MA90	90/125	8 10 13	580 504 437	<68	2"	1,620	1900×1250×1155	DIRECT
MA110	110/150	8 10 13	742 645 570	<72	2 1/2"	2,000	2500×1450×1800	DIRECT
MA132	132/175	8 10 13	865 780 701	<68	DN80	3,050	2400×1540×2000	DIRECT
MA160	160/250	8 10 13	1087 988 860	<72	DN80	3,200	2700×1870×2030	DIRECT

*Cooling - Air Cooled *Discharge Air Temp. <Environment Temp +10–15°C *Electricity - 3 Phase, 415V, 50Hz *Starting method - Direct on line / Star Delta Starter *Specification subject to change without notice due to improvement for excellence

OUR PROUDUCT RANGE

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1 Screw Air Compressors

High-performance rotary screw air compressors designed for continuous operation, maximum efficiency, and reliable compressed air supply across all industries.



2 Refrigerated & Desiccant Air Dryers

Deliver clean, dry compressed air by effectively removing moisture, ensuring longer equipment life and superior process quality.



3 Oil-Free Air Compressors

100% oil-free compressed air solutions for industries requiring contamination-free air, including food, pharmaceuticals, electronics, and healthcare.



4 Aluminium Compressed Air Piping

Lightweight, corrosion-resistant aluminium piping systems that provide leak-free air distribution with quick and easy installation.



5 Line Filters

High-efficiency compressed air filters that remove dust, oil, moisture, and contaminants to protect equipment and improve air quality.



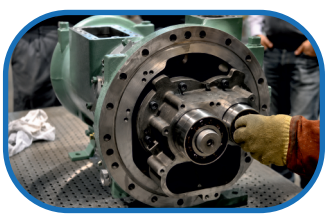
6 Air Receiver Tanks

Heavy-duty air storage tanks designed to stabilize system pressure, reduce compressor cycling, and improve overall system efficiency.



7 Multi-Brand Compressor Spare Parts

A complete range of genuine and compatible spare parts for major compressor brands, ensuring reliable performance and reduced downtime.



8 Screw Element Overhauling

Restore compressor performance with precision screw element overhauling, including inspection, bearing replacement, seal replacement, rotor clearance adjustment, and performance testing for

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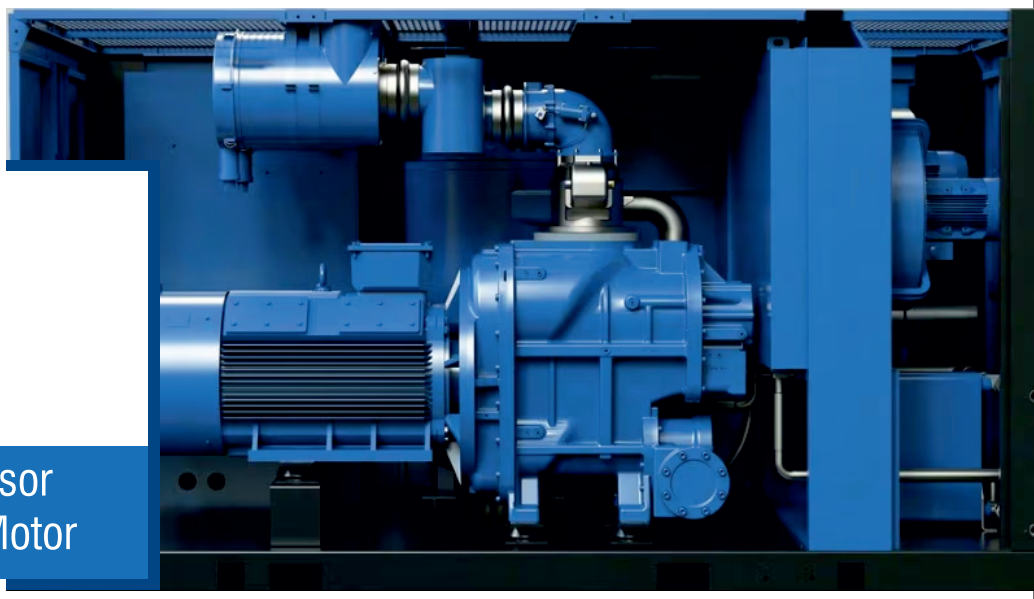
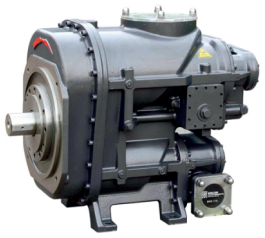


Z series

Moto Two Stage Compressor with Permanent Magnetic Motor

Technical Data

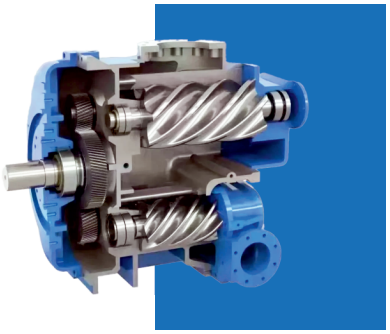
MODEL NO	WORKING PRESSURE (BAR/PSI)	FREE AIR DELIVERED (CFM)	POWER	SPEED	VOLTAGE	WEIGHT	DIMENSIONS	OUTLET	COOLING MODE
ZMA22	8/115	152	22/30	1500	415V/50HZ	590	140*88*135	G1&1/2"	AIRCOOLING WATERCOOLING
ZMA30	**8/115**	**202**	**30/40**	**1500**	**415V/50HZ**	**930**	**150*112*154**	**G1&1/2"**	**AIRCOOLING WATERCOOLING**
ZMA37	8/115	258	37/50	1500	415V/50HZ	1200	188*123*157	G1&1/2"	AIRCOOLING WATERCOOLING
ZMA45	**8/115**	**345**	**45/60**	**1500**	**415V/50HZ**	**1300**	**188*123*157**	**G1&1/2"**	**AIRCOOLING WATERCOOLING**
ZMA55	8/115	456	55/75	1500	415V/50HZ	1800	216*136*166	G2"	AIRCOOLING WATERCOOLING
ZMA75	**8/115**	**592**	**75/100**	**1500**	**415V/50HZ**	**2000**	**216*136*166**	**G2"**	**AIRCOOLING WATERCOOLING**
ZMA90	8/115	701	90/120	1500	415V/50HZ	2200	216*136*166	G2"	AIRCOOLING WATERCOOLING
ZMA110	**8/115**	**842**	**110/150**	**1500**	**415V/50HZ**	**2500**	**262*165*192**	**DN80**	**AIRCOOLING WATERCOOLING**
ZMA132	8/115	1016	132/175	1500	415V/50HZ	2800	262*165*192	DN80	AIRCOOLING WATERCOOLING
ZMA160	**8/115**	**1165**	**160/200**	**1500**	**415V/50HZ**	**3500**	**280*170*190**	**DN80**	**AIRCOOLING WATERCOOLING**
ZMA185	8/115	1420	185/250	1500	415V/50HZ	4000	320*220*210	DN100	AIRCOOLING WATERCOOLING





Conclusion of Two-stage Compression Air End Energy-saving

- ✓ The interstage cooling and isothermal compression and saving compression energy.
- ✓ It decreases the discharge temperature and increases the service life.
- ✓ Smaller compression ratio per stage, less leakage.
- ✓ It decreases the radial differential pressure of rotor.
- ✓ It decreases the transverse leakage of discharge end face.
- ✓ It increases rotor stroke and enhances the sealing.







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