



TECHNO MOTORS

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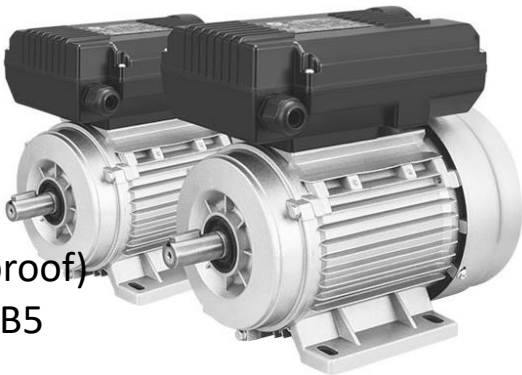


Power Output (kW)	Power Output (HP)	2-Pole (~3000 RPM)	4-Pole (~1500 RPM)	6-Pole (~1000 RPM)
0.12 kW	0.16 HP	—	63	—
0.18 kW	0.25 HP	63	63	71
0.25 kW	0.34 HP	—	71	71
0.37 kW	0.50 HP	71	71	80
0.55 kW	0.75 HP	—	80	80
0.75 kW	1.00 HP	80	80	90S
1.10 kW	1.50 HP	—	90S	90L
1.50 kW	2.00 HP	90S	90L	100L
2.20 kW	3.00 HP	90L	100L	112M
3.00 kW	4.00 HP	100L	100L	132S
4.00 kW	5.50 HP	112M	112M	132M
5.50 kW	7.50 HP	132S	132S	132M
7.50 kW	10.00 HP	132S	132M	160M
11.00 kW	15.00 HP	160M	160M	160L
15.00 kW	20.00 HP	160M	160L	180L
18.50 kW	25.00 HP	160L	180M	200L
22.00 kW	30.00 HP	180M	180L	200L
30.00 kW	40.00 HP	200L	200L	225M
37.00 kW	50.00 HP	200L	225S	250M
45.00 kW	60.00 HP	225M	225M	280S
55.00 kW	75.00 HP	250M	250M	280M
75.00 kW	100.00 HP	280S	280S	315S
90.00 kW	120.00 HP	280M	280M	315M
110.00 kW	150.00 HP	315S	315S	315L
132.00 kW	180.00 HP	315M	315M	315L
160.00 kW	220.00 HP	315L	315L	355M
200.00 kW	270.00 HP	315L	315L	355M
250.00 kW	340.00 HP	355M	355M	355L
315.00 kW	430.00 HP	355L	355L	—
355.00 kW	480.00 HP	—	355Lx	—

SINGLE PHASE ELECTRIC MOTOR

Technical Specifications

- Power Range:** 0.18 kW to 3.7 kW
- Voltage Options:** 220V / 230V / 240V
- Frequency:** 50 Hz / 60 Hz
- Protection Class:** IP55 (Dust and water-splash proof)
- Mounting Configurations:** B3 (Foot-mounted), B5 (Flange-mounted), B14 (Face-mounted)



Single-Phase Induction Motors

Designed for environments where a three-phase power supply is unavailable. These motors deliver high starting torque, exceptional reliability, and smooth operation for commercial, light industrial, and agricultural applications.

ELECTRIC BREAK MOTOR

Parameter	Standard Range / Specification
Power Rating	0.37 kW to 45 kW+
Frame Sizes	IEC 71 to IEC 225 (Standard metric dimensions)
Mounting Configurations	B3 (Foot), B5 (Large Flange), B14 (Face), B35 (Foot & Flange)
Poles	4 Poles, 2 Poles
Enclosure Protection	IP55 Standard (IP55/ IP65 for harsh environments available)
Brake Type	Spring-applied, single or double friction disc
Duty Cycle	S1 Continuous duty for motor / Rapid switching capability



ELECTROMAGNETIC BRAKE MOTORS

High-Precision Stopping | Heavy-Duty Reliability

Our electromagnetic brake motors combine a high-performance three-phase induction motor with a heavy-duty DC or AC disc brake assembly. Engineered for applications requiring instant, precise stopping and fail-safe holding torque during power loss, these motors are built to perform in the most demanding industrial environments.

NMRV WORM GEARBOX

Modular Design | Compact Efficiency | Silent Performance

The NMRV series represents the modern benchmark for industrial speed reduction. Featuring a lightweight, die-cast aluminum alloy housing combined with an advanced worm shaft and bronze wheel assembly, these gearboxes offer high torque density in an exceptionally space-saving design.

Technical Specifications

Parameter	Specification Range
Available Sizes	NMRV 025, 030, 040, 050, 063, 075, 090, 110, 130, 150
Reduction Ratios	Single Stage: Ratio : 7.5 to 100
Output Torque	Up to 1,500 Nm
Input Power Compatibility	0.12 Kw to 15 kw
Input Configurations	IEC Motor Flange (B5 / B14), Solid Input Shaft
Output Options	Hollow Output Shaft (Standard), Single/Double Solid Output Shafts
Lubrication	Synthetic Oil (Sizes 025–090, lifetime lubricated) / Mineral Oil (Sizes 110–150)

Standard Accessories & Options

To meet diverse machine layouts, the NMRV series can be configured with the following factory options:

- Output Flanges:** Available in short (FA), long (FB), and extra-long variants for direct machine bolting.
- Torque Arms:** For shaft-mounted applications requiring reactive force absorption.
- Single / Double Solid Output Shafts:** For traditional coupling, sprocket, or pulley drives.
- Dust Covers:** Heavy-duty plastic or metal covers to seal the secondary shaft extension against contaminants.



Gearbox Series Shaft Orientation Mounting Type Typical Efficiency Best Suited For

R Series - Inline/Coaxial B3 Foot Mount ~96% Efficiency General purpose industrial machinery, floor mounts

RF Series Inline/Coaxial B5 Flange Mount ~96% Efficiency Direct coupling to pumps, mixers, and machine walls

K Series Right-Angle (90% Efficiency) Foot / Flange (Solid Shaft) ~94% Space-restricted right-angle heavy conveyors

KA Series Right-Angle (90% Efficiency) Shaft Mount (Hollow Shaft) ~94% Direct-drive systems, minimizing coupling components

F Series Parallel Offset Foot / Flange (Solid Shaft) ~95% Efficiency Slim profile requirements, multi-stage high reduction

FA Series Parallel Offset Shaft Mount (Hollow Shaft) ~95% Efficiency





SS BODY ROATRY GEAR PUMP
MS BODY ROATRY GAER



MS BODY ROATRY
GAER PUMP



SS BODY LOBE PUMP



VERTICAL /
HORIZNENTAL
SEALING MACHINE



**SS BODY DAIRY /
CENTRIFUGAL PUMP**



**SS / PP BODY
DIAPHRAM PUMPS
SERVO MOTOR**

**SS BODY LOBE
PUMP WITH
MOTOR**



**SERVO MOTOR WITH
DRIVE**

PRODUCT IMAGES



WARE HOUSE



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ABOUT US

TECHNO MOTORS

Industrial Electric Motors | High Performance & Reliability



Techno Motors Standard Three-Phase Induction Motor. Source: AC Electric Motor

Key Applications

Our standard 4-pole electric motors provide highly adaptable mechanical power, making them the ideal choice for integration with:

- Industrial gearboxes (helical-bevel, worm, and Ka series units)
- Liquid processing systems, mixing loops, and homogenizer tanks
- Piston-driven and servo-controlled industrial filling machinery
- Water pumps, industrial blowers, and conveyor systems

Quality Assurance: Every Techno Motors unit undergoes strict dynamic balancing, insulation resistance verification, and load testing before leaving our facility to guarantee trouble-free integration into your production floor.

Contact & Support

For bulk inquiries, technical drawings, dimensional data sheets, or custom modifications, please reach out to our technical sales team.

•**Phone / WhatsApp:** +971 521786509