



# ELECTROMOTIVE POWER DRIVES PVT LTD

(Manufacturer of Energy Efficient Industrial Motors)

CERTIFIED  
ISO 9001:2015



IS : 12615



CML/L - 6500033304



## About us

With 40 years of experience in manufacturing electric motors, Electromotive Power Drives Pvt. Ltd was incepted in 2013 by a team of seasoned professionals. As a pioneer in electrical engineering in India, we have been catering to a gamut of segments such as Wind Turbines, Crane Duty Motors, Textile Motors, Inverter Duty Motors, Brake Motors & Other Motors for customer specific application.

Offering reliable, energy-efficient, robust and compact products is our forte. Our product range conforms to international specifications making them ideally suitable for import substitutions and exports. As electric motor manufacturers, we adopt world-class technology and meet statutory compliance and quality standards set by ISO 9001:2015, IEC 60034-1 and IS: 12615-2018.

Headquartered in Coimbatore, Tamil Nadu, we have an expansive manufacturing facility equipped with world-class machinery and equipment such as computerised winding testing and motor performance analysis unit, vacuum pressure impregnation unit, rotor balancing and assembly unit.

With a strong R&D base and manufacturing capabilities, EMPD only aims at achieving benchmarks for its products and services. We strive to create a technical and marketing advantage to consistently meet and exceed customer expectations, and grow in the global market.

## Standards and Markings

EMPD motor Performance conform to IC 60034-1, IS: 12615:2018 and dimension conforms to IS: 1231, IS: 2223. Our Motors are ISI Certified with IE2 and IE3 level Efficiency. EMPD series motors also have CE Markings to comply safety and environmental protection for export market.

## Excellence in customized and standard electric motors

## Salient Features

- ▲ Premium Efficiency with high quality materials.
- ▲ Uniform Efficiency from 75 to 110% load.
- ▲ Vacuum pressure Impregnation for stator windings.
- ▲ Low heat generation.
- ▲ Compact and Rugged construction.
- ▲ Lower Vibration and Noise level.
- ▲ Dynamically balanced Rotor
- ▲ Low operating cost.
- ▲ Improved life cycle and short payback period.
- ▲ Suitable for VFD Drives
- ▲ Thermal protectors like PTC's, RTD's ,ACH's
- ▲ Class 'F' Insulated and Temperature rise limited to Class 'B' limits
- ▲ Motors are designed with built in service factor of 1.1.to 1.15
- ▲ IP 44,55,56,65 protection.

## Material Highlights

**Stamping:** Low Watt loss CRNGO High Silicon Steel.

**Copper Wire:** Super Enameled dual coated copper wire &'F' Class Copper wire.

**Varnish:** Elantas varnish with high dielectric strength for both 'F' Class and 'H' Class.

**Insulating Material:** 'F' Class Nomex paper, sleeve, Fibre glass cable. 'H' Class Insulation available upon request.

**Bearing:** Double sealed ball bearings lubricated for life with high quality imported grease.

**Balancing:** Dynamic balancing with high precision balancing machines resulting in low vibration in motors.



# Product Range



Standard Motors - IE2 and IE3 Motors	
Frames	63 to 250M
Rating	0.18 kw to 55 kw
Mounting	B3, B5, B14 and combinations
Poles	2, 4, 6, 8
Protection	TEFC
Application	Cast iron or Aluminium
Construction	Machine tool application, Blowers, Industrial Pumps, Textile, Gearbox, Compressors

Brake Motors	
Frames	63 to 160L
Rating	0.18 kw to 15 kw
Mounting	B3, B5, B14 and combinations
Poles	2, 4, 6, 8
Construction	Full Castiron or Aluminium body with CI enclosure
Brake Torque	Upto 160Nm
Application	Hoist crane sectors, Machine tool sectors, Textile sectors, Wind sectors, Automation sectors

Wind Turbine Motors	
Frames	63 to 160F
Rating	0.15 kw to 15 kw
Mounting	B3, B5, B14 and combinations
Poles	2, 4, 6, 8
Construction	Full Castiron or Full Aluminium or Aluminium body with CI enclosure
Application	Yaw motors, Oil Coolant motors, Hydraulic motors, Nacelle fan motors

Textile Motors	
Frames	63 to 160L
Rating	0.15 kw to 15 kw
Mounting	B3, B5, B14 and combinations
Poles	2, 4, 6, 8
Construction	Full Castiron or Full Aluminium or Aluminium body with CI enclosure
Application	Thread winding machines, Ginning and Spinning, Ring Frame, Carding, Overhead Cleaning



Dual Speed Motor	
Frames	63 to 160L
Rating	0.18 kw to 15 kw
Mounting	B3, B5, B14 and combinations
Poles	2/4, 4/6, 2/8, 6/8 or combinations
Construction	Full Castiron or Full Aluminium or Aluminium body with CI enclosure
Application	Material Handling sectors, Crane and hoist sectors

Hoist and crane duty motors	
Frames	63 to 160L
Rating	0.18 kw to 15 kw
Mounting	B3, B5, B14 and combinations
Poles	2,4,6,8
Construction	Full Castiron or Full Aluminium or Aluminium body with CI enclosure
Duty	S3-S5
Application	Trolley, Chain hoist, Rope hoist, Automated racking systems

Single Phase Motors	
Frames	63 to 112 F
Rating	0.18 kw to 2.2 kw
Mounting	B3, B5, B14 and combinations
Voltage	230V +/- 10%
Construction	Full Castiron or Full Aluminium or Aluminium body with CI enclosure
Application	Industrial machineries applications

Hollow Shaft Motors	
Frames	63 to 160L
Rating	0.18 kw to 15 kw
Mounting	B3, B5, B14 and combinations
Poles	2,4,6,8
Construction	Full Castiron or Full Aluminium or Aluminium body with CI enclosure
Application	Pump, Gear Box, Chemical Industries, Textile, Hydraulic Machines



Double Side Flange/Shaft Motors	
Frames	63 to 160L
Rating	0.18 kw to 15 kw
Mounting	B3, B5, B14 and combinations
Poles	2, 4, 6, 8
Construction	Full Castiron or Full Aluminium or Aluminium body with CI enclosure
Application	Valve sectors and material handling sectors.

Geared Motors	
Frames	63 to 160L
Rating	0.18 kw to 15 kw
Mounting	B3, B5, B14 and combinations
Poles	2, 4, 6, 8
Construction	Full Castiron or Full Aluminium or Aluminium body with CI enclosure
Application	Hoist crane sectors, Machine tool sectors, Textile sectors, Wind sectors, Automation sectors

Aerator Motors	
Frames	100
Rating	0.75 kw to 2.2 kw
Mounting	100/90 B5
Poles	4
Construction	Full Castiron
Application	Biological treatment processes

BLDC/PMSM for Automation & EV	
Frames	0.15kw to 45kw
Mounting	Special
Construction	Full Aluminium
Application	Automation and Electrical Vehicle Application



Elevator Motors	
Rating	2.2kw - 15kw
Mounting	Special
Poles	Single Speed and Dual Speed
Construction	Cast Iron
Enclosure	TEFC
Application	Lifts, Escalators, Elevators

Inverter Duty Motors	
Frames	63 to 160L
Rating	0.18 kw to 15 kw
Mounting	B3, B5, B14 and combinations
Poles	2, 4, 6, 8
Construction	Full Castiron or Full Aluminium or Aluminium body with CI enclosure
Enclosure	Forced cooling
Application	Industrial machineries, textile, wind, hoist and cranes

Entrance Automation Motors	
Frames	63 to 100F
Rating	0.18 kw to 3 kw
Mounting	B5, B14 or special
Poles	2, 4, 6, 8
Construction	Full Aluminium
Application	Automated shutter and gate applications

Cooling Tower Motors	
Frames	71 to 250M
Rating	0.15 kw to 18.5 kw
Mounting	B3, B5
Poles	4, 6, 8, 10, 12
Construction	Full Castiron
Enclosure	TE, TEFC
Application	Chillers, Cooling Towers