MECWIN

EMPOWERING FUTURE

MECWIN PMSM & INDUCTION MOTOR

RANGE OF APPLICATIONS :

Mecwin Green Propulsions, Banglore capable to produce both induction and pmsm - clean and environmental friendly drive system without any pollution and noise.

These motors will have high starting torque, with a high overload factor. Furthermore it is highly efficient and maintence – free motor.

- POWER TILLER
- WEEDER
- TURF APPLICATIONS, LAWN TRACTORS
- LIFTERS

- REPLACEMENT OF HYDRAULIC DRIVES,
- MUNICIPAL VEHICLE (TIPPER APPLICATION)
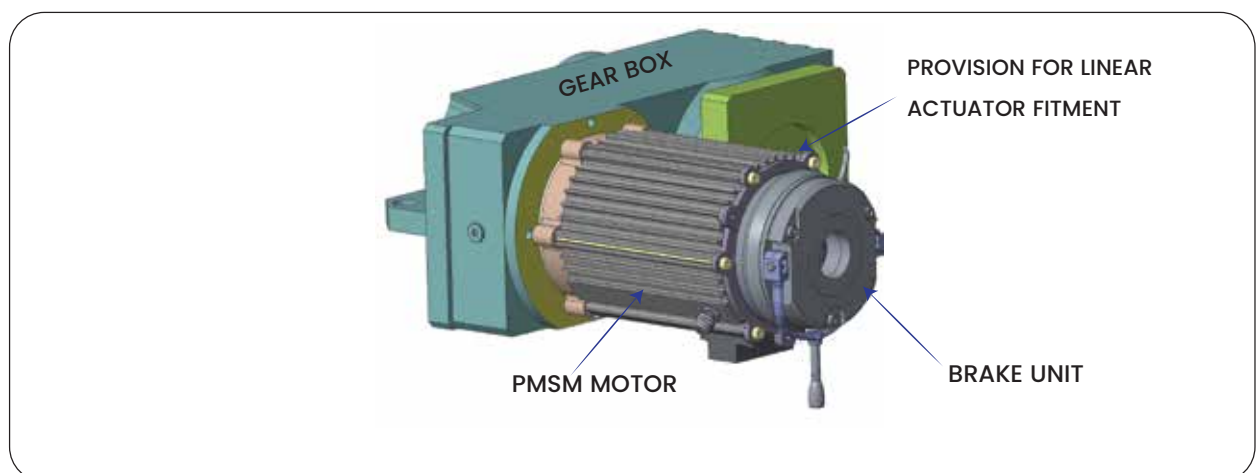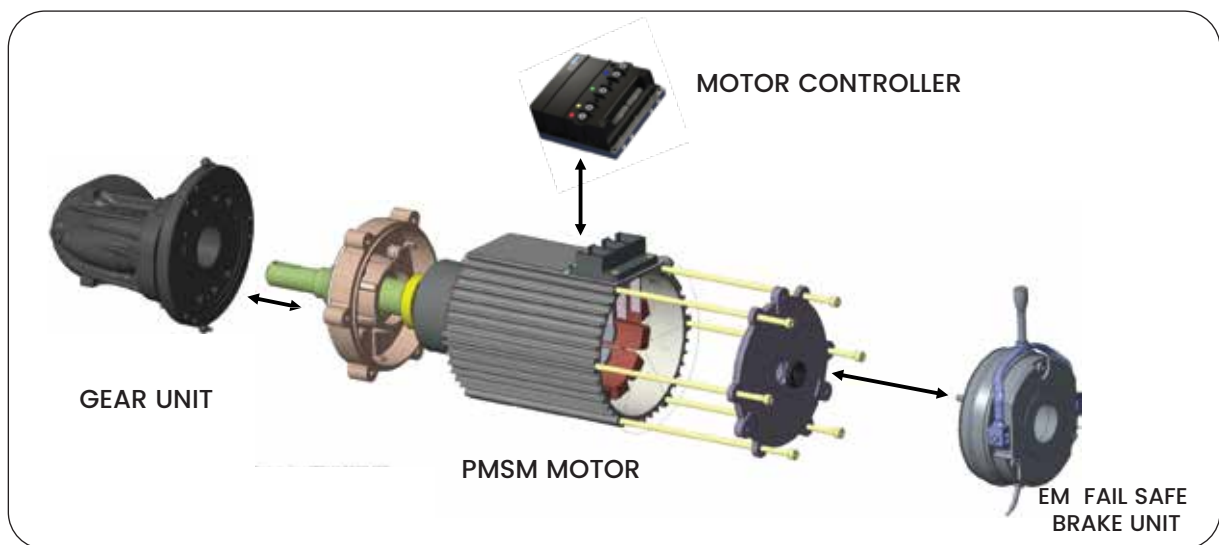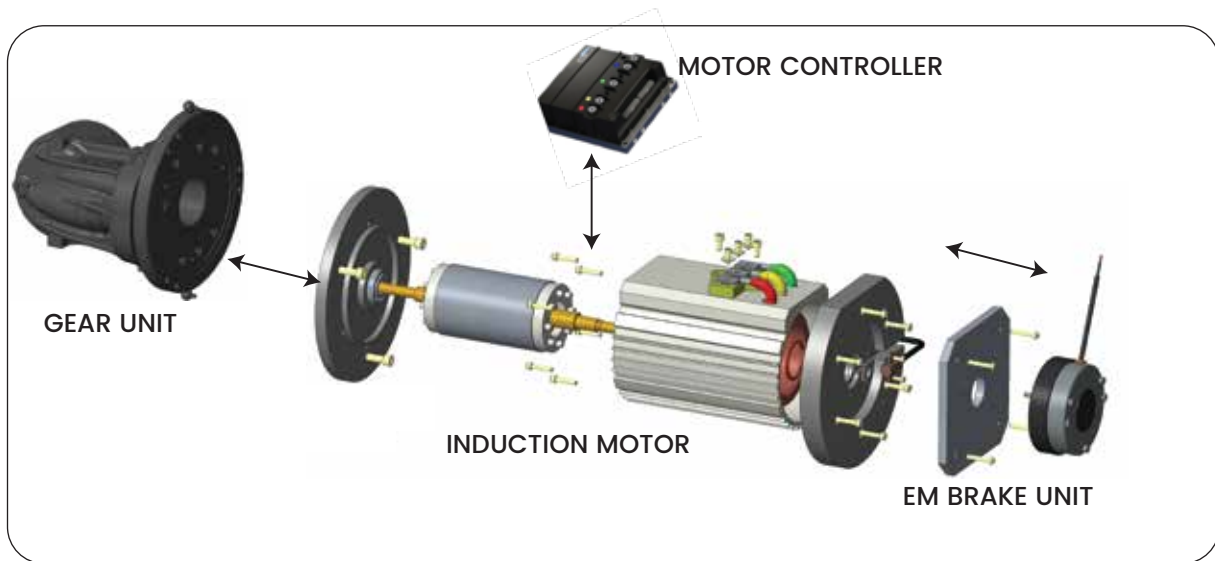- COMMERCIAL VEHICLES
- ELECTRIC CARS AND NEV

GENERAL SPECIFICATION OF ELECTRIC MOTOR :

Motor Data		24V	48V
Rated Power	kW	1.0 - 3.5	4.0 - 8.0
Rated Speed	RPM	2000 - 3500	3000 - 4500
Rated Current	A	75 - 150	200 - 800
Rated Torque	Nm	5.0 - 15.0	10.0 - 30.0
Voltage Range	V	18 - 36	42 - 56
Operating Temperature	°C	-20 - 60	-20 - 60
Motor Feedback	-	Hall / ABI	Hall / ABI
Temperature sensor	-	NTC, PTC, KTY 84-130	NTC, PTC, KTY 84-130
Cooling Method		Natural / Forced Ventilation	Natural / Forced Ventilation
Operating Mode	-	S1	S1
Degree of Protection	-	IP67	IP67
Life Time	-	10,000 Hours (depends on application)	10,000 Hours (depends on application)
Weight	kgs	12.5 (Max)	25 (Max)
Gear box ratio	-	1:10 / 1: 20	1:10 / 1: 20

Additional Information

▪ All specifications are subject to change without prior notice in line with continuous product improvement and technological advancement.

▪ Custom voltage and frequency configurations are available upon request, depending on order volume and application requirements.

▪ Performance data is based on standard testing conditions. Actual performance may vary depending on application, installation, and environmental factors.

▪ Special Variants on request.

WORKING SYSTEM OVERVIEW:-

MOTOR CONTROLLER

GEAR UNIT

INDUCTION MOTOR

EM BRAKE UNIT

MOTOR CONTROLLER

GEAR UNIT

PMSM MOTOR

EM FAIL SAFE
BRAKE UNIT

GEAR BOX

PROVISION FOR LINEAR
ACTUATOR FITMENT

PMSM MOTOR

BRAKE UNIT

Mecwin Green Propulsions Pvt.Ltd

{ Manufacturing Plant }

478/479, Magadi Main Rd, Srigandhada Kaval, Chandana layout,
Sunkadakatte, Bengaluru, Karnataka 560091

Customer Care No : + 91 80500 84932

Email : sales@mecwinindia.com

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