

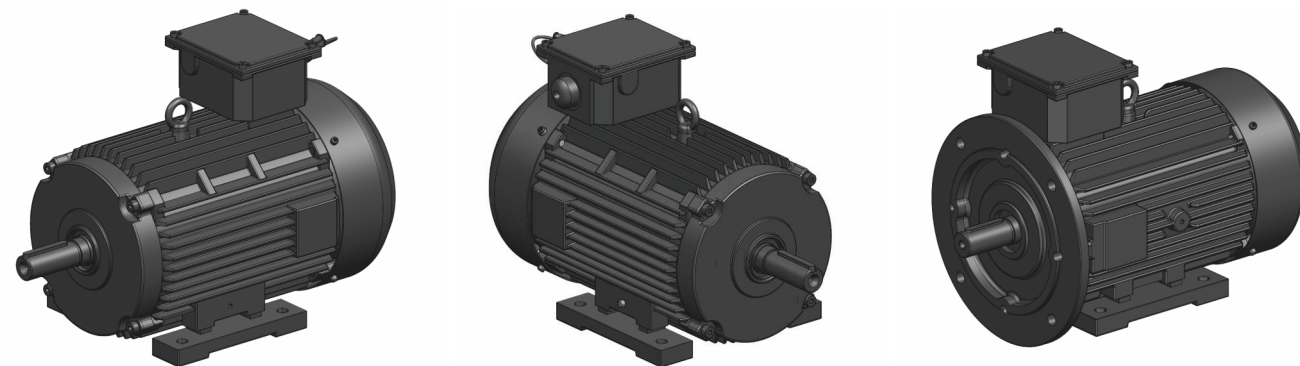


SMG 112 STM 2.2KW 6P

SMG 100 STM 2.2KW 4P

DESCRIPTION	DATA
Product	SMG 112 STM 2.2KW 6P
Type/Frame	SMG 112
Mounting	IM B 3
Rated Output P _N	2.2KW
Pole	6
Type of Duty	S1
Rated Voltage U _N	415±10 % V
Rated Frequency f _N	50±5% Hz
Rated Speed n _N	964 RPM
Rated Current I _N	5.3 Amp
Nominal Torque T _N	21.7 N-m
Starting Torque T _s	34.9 N-m
Insulation Class	H
Power factor	0.72
Working Temperature	-20° C TO 55° C

DESCRIPTION	DATA
Product	SMG 100 STM 2.2KW 4P
Type/Frame	SMG 100
Mounting	IM B 35
Rated Output P _N	2.2KW
Pole	4
Type of Duty	S1
Rated Voltage U _N	415±10 % V
Rated Frequency f _N	50±5% Hz
Rated Speed n _N	1452 RPM
Rated Current I _N	4.7 Amp
Nominal Torque T _N	14.5 N-m
Starting Torque T _s	25 N-m
Insulation Class	H
Power factor	0.78
Working Temperature	-20° C TO 55° C



SAP CODE : 2000022011

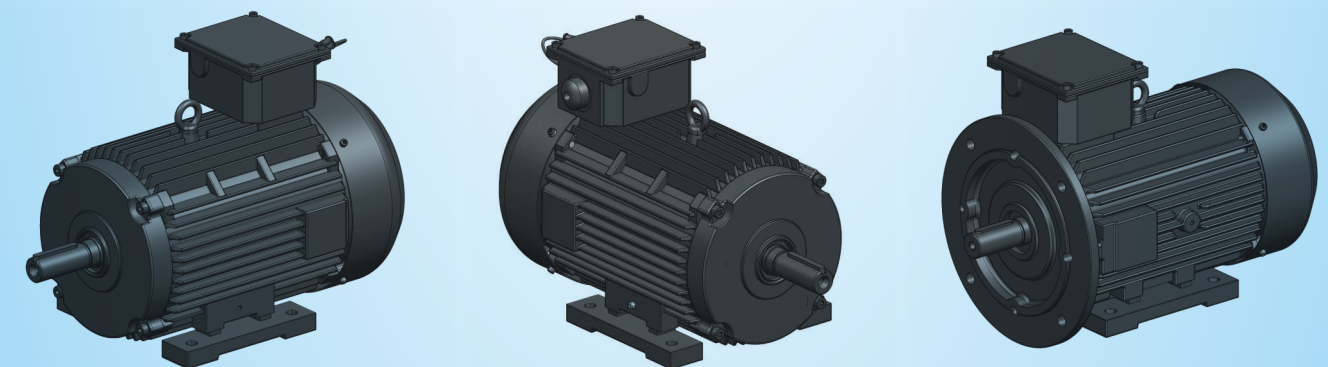
Dec/ 2024-25/L1/00000 VC : 18 Dec 2024 R2

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AUTOMOTIVE SYSTEM MOTOR

INTRODUCTION

Empowering Electric Vehicles with Advanced Electric Motors.
 The automotive system motor serves as the heart of electric vehicle technology, converting electrical energy into powerful mechanical motion. Designed for high performance and efficiency, our electric motors offer cutting-edge solutions for passenger cars, buses, and light commercial vehicles.

KEY FEATURES

- High Performance: Delivering robust power for enhanced driving experience.
- Efficient Electric Drive: Maximizing energy efficiency and reducing environmental impact.
- Versatile Applications: Ideal for steering systems, compressors, and traction motors.

WHY CHOOSE US?

- Innovative Technology : Leading the way in electric mobility solutions.
- Reliability : Built to withstand rigorous demands of automotive applications.
- Sustainability : Contributing to a cleaner and greener future.

GET IN TOUCH Explore how our automotive system motor can transform your electric vehicle.
 Contact us today to learn more about our products and solutions.

TECHNICAL CHARACTERISTICS

COST EFFICIENCY

Lower operating costs lead to a shorter payback period.
 High efficiency ensures optimal energy use & longer range.

ENHANCED DURABILITY

Better heat dissipation and reduce temperature rise.
 Extended motor lifespan with "H" class insulation for reliable performance.

ENVIRONMENTAL IMPACT

Significant reduction in CO2 emissions.
 Contributing to a cleaner, greener environment.

KEY CHARACTERISTICS

APPLICATION

- Steering Motor
- Compressor Motor
- Fans & Blowers
- Cranes, Hoist & Lift.

High Performance Design :

- Dynamically balanced rotors ensure smooth operation
- Double shielded, high-temperature bearings for enhanced durability.

Robust Protection : • IP67 rating protects against moisture, dust & water ingress.

Efficient Cooling System : • Three-dimensional heat transfer principle in cooling fins design.

Operational Efficiency : • Minimized friction losses for optimal performance. • Low noise operation ensures smooth running.

Reliability & Ease of Use : • Reliable operation with easy maintenance. • Short payback period for cost-effectiveness.

TECHNICAL PARAMETER

- Motor type : AC Three phase induction motor .
- Enclosure : TEFC (Totally enclosed fan cooled)
- Frame : 100, 112 , 132
- Mounting : Foot cum flange B35 & foot mounted B3
- Rated Power : 6P – 2.2KW & 3.7KW | 4P – 2.2KW & 3.7KW
- Voltage : 220-415 50 Hz
- Rated speed : 1000/1500 R.P.M.
- Ambient Temperature : -20 ° to +55 ° C
- Altitude : Should be below than 1000 meters above sea level .
- Connection : 50Hz ,380-415 V star /delta & 220-240 delta
- Direction of rotation : Anti- clockwise or clockwise as seen from the driver end side
- Insulation class : Class "H"
- Degree of Protection : IP 67
- Cooling method : IC411/Shaft mounted fan.

Special type of winding wire used for EV application.

PRODUCT DETAILS

SMG 132 STM 3.7KW 6P

DESCRIPTION	DATA
Product	SMG 132 STM 3.7KW 6P
Type/Frame	SMG 132
Mounting	IM B 3
Rated Output P _N	3.7KW
Pole	6
Type of Duty	S1
Rated Voltage U _N	415±10 % V
Rated Frequency f _N	50±5% Hz
Rated Speed n _N	953 rpm
Rated Current I _N	7.3 Amp.
Nominal Torque T _N	37 N-m
Starting Torque T _s	55 N-m
Insulation Class	H
Power factor	0.79
Working Temperature	-20 °C TO 55 °C

SMG 112 STM 3.7KW 4P

DESCRIPTION	DATA
Product	SMG 112 STM 3.7KW 4P
Type/Frame	SMG 112
Mounting	IM B 35
Rated Output P _N	3.7KW
Pole	4
Type of Duty	S1
Rated Voltage U _N	415±10 % V
Rated Frequency f _N	50±5% Hz
Rated Speed n _N	1457 RPM
Rated Current I _N	7.0 Amp.
Nominal Torque T _N	24 N-m
Starting Torque T _s	53 N-m
Insulation Class	H
Power factor	0.84
Working Temperature	-20 °C TO 55 °C