



MOTORS FOR ALL APPLICATION

0.12 kW to 1250 kW

Over 67 years of enterprise, and dedication in putting technology to work, bear testimony to Bharat Bijlee's evolution from a pioneer of electrical engineering in India to one of the biggest and most trusted names in the industry today. Our portfolio of product and services include Power Transformers, Projects, Motors, Drives and Elevator Systems, which cater to a spectrum of industries and the builders of the nation's infrastructure: power, refineries, steel, cement, railways, machinery, construction and textiles.

Our products perform faultlessly and we fulfill the most demanding delivery schedules. We value innovation and are proud of the customer – centric outlook that enables us to develop specialized solutions for a wide range of utility and industrial market.

ISO 9001-2008 certified Quality System and modern manufacturing facilities ensure the capacity to produce over 200,000 motors a year. Our deep industry-specific expertise, we engineer motors for demanding and specialized applications like machine tools, wind-turbine blades, locomotives and warships of the Indian Navy.



STANDARD TEFC SCR MOTORS

BBL manufactures complete range of general purpose Standard TEFC SCR Motors suitable for various industrial applications.

Input Voltage	: 415V ± 10%	Frequency	: 50 Hz ± 5%
Combined Variation	: ± 10%	Insulation	: Class F
Temperature Rise	: Limited to Class B	Duty	: S1
Ambient Temperature	: 50° C	Altitude	: up to 1000 m above msl
Enclosure	: IP55	Mounting	: B3/B5/B35/V1
Cooling	: IC411	Rotation	: Bi-Directional

FRAME	2 POLE	4 POLE	6 POLE	8 POLE
63 - 355	0.18kW – 315kW	0.12kW – 315kW	0.25kW – 250kW	0.37kw – 200kW

Applications:

Pumps	Packaging Machinery	Compressor
Dairy Equipment	Machine Tools	Air Conditioning
Material Handling	Plastic Machinery	Textile
Cooling Tower	Crusher	Fans



IE2 SERIES MOTORS

Global Warming is reality and world over people are working towards reduction in carbon foot print. Electric motors with improved efficiency, in combination with frequency converters can save about 7% of the total worldwide electrical energy. This has led to revision of existing BIS Standard IS 12615:2004 to IS 12615:2011 to harmonize with the International Standards IEC 60034-30:2008. We being a leading motor manufacturer in India is committed to align with the latest technology; has led to the introduction of complete range of IE2 High Efficiency Motors.

Input Voltage	: 415V ± 10%	Frequency	: 50 Hz ± 5%
Combined Variation	: ± 10%	Insulation	: Class F
Temperature Rise	: Limited to Class B	Duty	: S1
Ambient Temperature	: 50° C	Altitude	: up to 1000 m above msl
Enclosure	: IP55	Mounting	: B3/B5/B35/V1
Cooling	: IC411	Rotation	: Bi-Directional

FRAME	2 POLE	4 POLE	6 POLE
71 - 355	0.37kW – 315kW	0.37kW – 315kW	0.37kW – 250kW

Applications:

Pumps	Packaging Machinery	Compressor
Dairy Equipment	Machine Tools	Air Conditioning
Material Handling	Plastic Machinery	Textile
Cooling Tower	Crusher	Fans



HIGH EFFICIENCY LARGE MOTORS WITH DCCA

The increase in market demand for low tension motors used with AC Variable Frequency Drives; led to the development of large motors with an efficient cooling system, consisting of two independent cooling circuits. These motors besides being highly efficient, robust and reliable are also compact due to the higher outputs to frame ratio.

Input Voltage	: 415V ± 10% upto 630kW 690V ± 10% from 710kW	Frequency	: 50 Hz ± 5%
Insulation	: Class F	Combined Variation	: ± 10%
Duty	: S1	Temperature Rise	: Limited to Class B
Altitude	: up to 1000 m above msl	Ambient Temperature	: 40° C
Mounting	: B3/B5/B35	Enclosure	: IP55
Rotation	: Bi-Directional	Cooling	: IC411

FRAME	2 POLE	4 POLE	6 POLE	8 POLE
355 - 450	355kW – 630kW	400kW – 1250kW	315kW – 800kW	250kW – 630kW

Applications:

Pumps	Fans	Compressor
HVAC	Mill Drives	Conveyors
Material Handling	Plastic Machinery	Textile
Coiler/De-coiler		



STANDARD TEFC SCR FLAME PROOF MOTORS

Input Voltage	: 415V ± 10%	Frequency	: 50 Hz ± 5%
Combined Variation	: ± 10%	Insulation	: Class F
Temperature Rise	: Limited to Class B	Duty	: S1
Ambient Temperature	: 45° C	Altitude	: up to 1000 m above msl
Enclosure	: IP55	Mounting	: B3/B5/B35
Cooling	: IC411	Rotation	: Bi-Directional

FRAME	2 POLE	4 POLE	6 POLE	8 POLE
80 - 280	0.37kW – 90kW	0.37kW – 90kW	0.37kW – 55kW	0.37kw – 132kW

Applications:

Pumps	Fans	Compressor
Printing Machinery	Material Handling	



STANDARD NON-SPARKING TEFC SCR MOTORS

Input Voltage	: 415V ± 10%	Frequency	: 50 Hz ± 5%
Combined Variation	: ± 10%	Insulation	: Class F
Temperature Rise	: Limited to Class B	Duty	: S1
Ambient Temperature	: 50° C	Altitude	: up to 1000 m above msl
Enclosure	: IP55	Mounting	: B3/B5/B35
Cooling	: IC411	Rotation	: Bi-Directional

FRAME	2 POLE	4 POLE	6 POLE	8 POLE
63 - 280	0.18kW – 90kW	0.12kW – 90kW	0.25kW – 55kW	0.37kw – 45kW

Applications:

Fan Compressor Pump
 Material Handling



IE2 SERIES TEFC SCR FLAME PROOF MOTORS

Input Voltage	: 415V ± 10%	Frequency	: 50 Hz ± 5%
Combined Variation	: ± 10%	Insulation	: Class F
Temperature Rise	: Limited to Class B	Duty	: S1
Ambient Temperature	: 45° C	Altitude	: up to 1000 m above msl
Enclosure	: IP55	Mounting	: B3/B5/B35
Cooling	: IC411	Rotation	: Bi-Directional

FRAME	2 POLE	4 POLE	6 POLE
80 - 315	0.37kW – 200kW	0.37kW – 200kW	0.37kW – 160kW

Applications:

Pumps Fans Compressor
 Printing Machinery Material Handling



IE2 SERIES NON-SPARKING TEFC SCR MOTORS

Input Voltage	: 415V ± 10%	Frequency	: 50 Hz ± 5%
Combined Variation	: ± 10%	Insulation	: Class F
Temperature Rise	: Limited to Class B	Duty	: S1
Ambient Temperature	: 50° C	Altitude	: up to 1000 m above msl
Enclosure	: IP55	Mounting	: B3/B5/B35
Cooling	: IC411	Rotation	: Bi-Directional

FRAME	2 POLE	4 POLE	6 POLE
71 - 355	0.37kW – 315kW	0.37kW – 355kW	0.37kW – 250kW

Applications:

Fan Compressor Pump
 Material Handling



CRANE & HOIST DUTY TEFC SCR MOTORS

Input Voltage	: 415V ± 10%	Frequency	: 50 Hz ± 5%
Combined Variation	: ± 10%	Insulation	: Class F
Temperature Rise	: Limited to Class B	Duty	: S2,S3,S4,S5
Ambient Temperature	: 45° C	Altitude	: up to 1000 m above msl
Enclosure	: IP55	Mounting	: B3/B5/B35
Cooling	: IC411	Rotation	: Bi-Directional

FRAME	4 POLE	6 POLE	8 POLE
71 - 315	0.55kW – 200kW	0.37kW – 55kW	0.37kw – 45kW

Applications:

Crane Hoist Lift
 Auxiliary Mill Motor Material Handling



CRANE DUTY SLIPRING MOTORS

Input Voltage	: 415V ± 10%	Frequency	: 50 Hz ± 5%
Combined Variation	: ± 10%	Insulation	: Class F
Temperature Rise	: Limited to Class B	Duty	: S3,S4,S5
Ambient Temperature	: 45° C	Altitude	: up to 1000 m above msl
Enclosure	: IP55	Mounting	: B3/B5/B35
Cooling	: IC411	Rotation	: Bi-Directional

FRAME	6 POLE
100 - 160	1.1kW – 10kW

Applications:

Crane Hoist Lift
 Auxiliary Mill Motor Material Handling



BRAKE MOTOR

Input Voltage	: 415V ± 10%	Frequency	: 50 Hz ± 5%
Combined Variation	: ± 10%	Insulation	: Class F
Temperature Rise	: Limited to Class B	Duty	: S1
Ambient Temperature	: 50° C	Altitude	: up to 1000 m above msl
Enclosure	: IP55	Mounting	: B3/B5/B35
Cooling	: IC411	Rotation	: Bi-Directional

FRAME	2 POLE	4 POLE	6 POLE	8 POLE
71 - 132	0.37kW – 9.3kW	0.25kW – 7.5kW	0.25kW – 5.5kW	0.37kw – 2.2kW

Applications:

Crane Hoist Lift
 Printing Machines Material Handling Textile Machinery

