

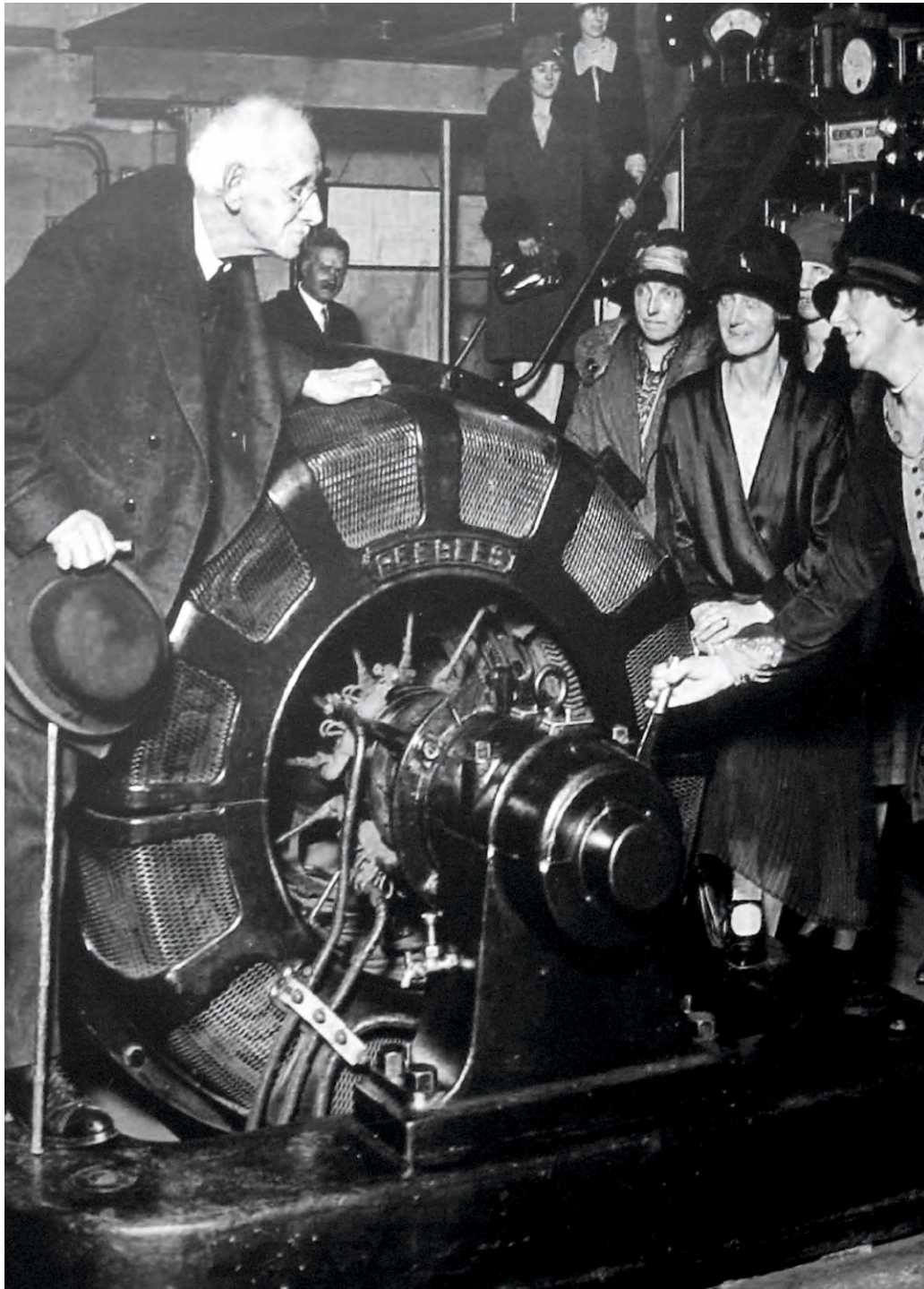
EFFICIENTLY ROTATING INDIA FOR
A REVOLUTIONARY TOMORROW



Smart solutions.
Strong relationships.

LT
MOTORS





CG Power and Industrial Solutions Limited (CG) is a global leader and pioneer in the management and application of electrical energy. Founded in 1937 and acquired by Tube Investments of India in 2020, CG provides end-to-end solutions for the effective and sustainable use of electrical power. CG is one of the largest manufacturers of Electric Equipment for the Power and Industrial sectors and exports products to over 130 countries.

In India, the company has manufacturing facilities in Madhya Pradesh, Maharashtra and Goa and operates across three major divisions - Power Division, Industrial Division and Railway Divisions.

CG's Industrial Division is engaged in the business of power conversion equipment which includes a wide spectrum of Medium and Low Voltage Rotating Machines, Drives and Stampings.

With over 85 years of unwavering excellence, continuous innovation and reliable engineering, CG has been relentlessly working towards new product development to add value for its customers. As a result, we re-entered the FMEG segment in January 2019. CG launched a wide range of consumer electrical products consisting of domestic and agricultural pumps and industrial and domestic exhaust fans. As we continue our legacy of decades and bring technological advancements, in October 2021, we added a new range of fans - including ceiling, TPW, all-purpose and domestic exhaust to our consumer product basket. In August 2022, we added a range of instant and storage water heaters to this segment. All products are

QUALITY IS CG



TECHNOLOGY IS CG



INNOVATION IS CG



RELIABILITY IS CG



CARE IS CG



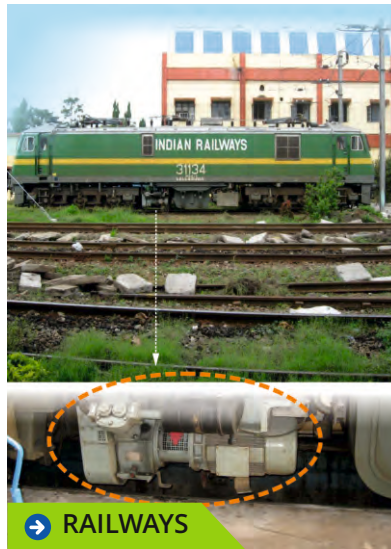
APPLICATIONS



→ STEEL



→ CEMENT



→ RAILWAYS



→ REFINERY



→ POWER

CERTIFICATION AND APPROVAL GALLERY

Only Indian Company with
NABL approved test lab

REACH certification for EUROPEAN UNION as per
Article 57 of reach regulation EC1907/2006 from TUV INDIA.

 National Accreditation Board for
Testing and Calibration Laboratories

CERTIFICATE OF ACCREDITATION

CG LOW VOLTAGE ROTATING MACHINE LABORATORY

has been assessed and accredited in accordance with the standard
ISO/IEC 17025:2017

**"General Requirements for the Competence of Testing &
Calibration Laboratories"**

for its facilities at
CG POWER AND INDUSTRIAL SOLUTIONS LIMITED, LT MOTOR DIVISION, INDUSTRIAL SYSTEMS, A/6/2,
MIDC INDUSTRIAL AREA, AHMEDNAGAR, MAHARASHTRA, INDIA

in the field of
TESTING


Certificate Number: TC-7378
Issue Date: 21/12/2020 Valid Until: 20/12/2022

This certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued
satisfactory compliance to the above standard & the relevant requirements of NABL.
(To see the scope of accreditation of this laboratory, you may also visit NABL website www.nabl-india.org)

Name of Legal Identity : CG Power and Industrial Solutions Ltd

Signed for and on behalf of NABL

 
N. Venkateswaran
Chief Executive Officer

 Test Report

Report No : TUVI/8665/22-23/0092203990
ULR-TC52822000023725F
Date : 17 Oct 2022

Name and address of customer : CG Power and Industrial Solutions Limited
A-6/2, MIDC Industrial Area,
Ahmednagar,
Pincode-414111

Manufacturer Address : 1) CG Power and Industrial Solutions Limited
LT Motors Division, B108-109, MIDC Industrial Area,
Ahmednagar, Maharashtra 414111 INDIA
Factory ID: UNIT 2
2) CG Power and Industrial Solutions Limited
196-198 Kundaim Industrial Estate Kundaim, Ponda
Goa GA 403115 INDIA
Factory ID: M4
3) CG Power and Industrial Solutions Limited
S-14/15, COLVALE Industrial Estate, Colvale Bardez
Goa 403513 INDIA
FABRIC: (POLYESTER TAPE, INSULATION SLEEVE, Tie Cord)

Name of the sample : FABRIC: (POLYESTER TAPE, INSULATION SLEEVE, Tie Cord)

Reg No. : 8605/22-23
Lab sample Id No. : 0092203990
Batch No / Code no. :
Discipline : Chemical
Product Category : Miscellaneous
Date of sample receipt : 19 Sep 2022
Date(s) of analysis : 28 Sep 2022 - 17 Oct 2022


Objectives Of Examination : To test for compliance with 224 Substance of Very High
Concern (SVHC) as per candidate list promulgated by European
Chemicals Agency (ECHA) which are defined in Article 57 of
REACH Regulation (EC/1907/2006).
Testing is Performed on individual component as per Customer's
Request.

REACH Requirement : AS per Article 33(1) of the REACH Regulation (EC/1907/2006),
recipients of product must be provided with information of safe
use if any of the tested substances (SVHC) exceeded 0.1% (w/w)
(i.e. 1000 mg/kg)

Sample drawn by : Customer

Conclusion : The submitted sample were Tested as and concentration of SVHC's are < 0.1 %w/w considering the scope,
and analytical technique used. **PASS**

For detail Test Results refer further pages



Registered Head Office: (B-1) Aditya Park, 1 & 2, Mang. Chikade, (B-1) Naraina, 400 048
Phone: (022) 6047 7300 / Fax: (022) 6047 7302 / e-mail: [info@tuvindia.com](mailto:mailto:info@tuvindia.com) / info@tuvindia.com







  

IMAGINATION AT WORK

We offer wide range of low voltage motors (rotating machines). The range includes safe and hazardous area motors, energy efficient motors as well as motors for special applications like brake motor, re-rolling mill, cement mill, oil-well pump etc. Our range also includes DC motors. Our motors are available in various standards and customized configurations to respond to the exacting demands of the industry.

It's our continuous effort to bring out the latest, most advanced product into the market place. We continuously add many new services, features and introduce new innovative solutions so as to ensure complete customer satisfaction.

APEX SERIES MOTORS AND SPECIAL MOTORS

| | SUPER PREMIUM EFFICIENCY | PREMIUM EFFICIENCY | SMARTOR | NEMA MOTORS | BRAKE MOTOR KIBOSH SERIES | | |
|----------------------|--|---|---|---|---|---|-------------------------|
| | IE4 | IE3 & IE2 | IE2 & IE3 | PREMIUM | ALUMINUM FRAME | CAST IRON FRAME | FLP BRAKE MOTOR |
| |  |  |  |  |  |  | |
| Rating | 0.55kW to 355kW | 0.37kW to 710kW | 75kW and Above | 0.75kW to 75kW | 0.37kW to 7.5kW | 0.55kW to 45kW | 1.5kW to 15kW |
| Voltage | 415V, Other on request | 415V, Other on request | 415V, Other on request | 460V / 575V | 415V, Other on request | 415V, Other on request | 415V, Other on request |
| Cooling method | IC411 | IC411 | IC411 | IC411 | IC411 | IC411 | IC411 |
| Frame | 80 to 355 | 71 to 500 | 280 and Above | 143T to 405T | 71 to 132 | 80 to 200 | 90 to 160 |
| Pole | 2/4/6/8 | 2/4/6/8 | 2/4/6/8 | 2/4/6/8 | 2/4/6/8 | 2/4/6/8 | 2/4/6/8 |
| Degree of protection | IP55, Others on request | IP55, Others on request | IP55, Others on request | IP55, Others on request | IP55, Others on request | IP55, Others on request | IP55, Others on request |
| Mounting | Foot / Flange | All mounting | All mounting | Foot / Face | Foot / Flange / Face | Foot / Flange / Face | Foot / Flange / Face |



Assembly line automation



Food and beverages



Air separation



Cement



Steel



Motor health monitoring system




INNOVATING FOR A SAFER WORLD

CG offers wide range of flame proof motors Ex 'db', increased safety Ex 'eb' and non sparking Ex 'ec' motors suitable for hazardous area. These motors are designed to suit the ignitable atmosphere present in hazardous location such as Zone 1 and 2 or class Div 1 and 2. These motors are suitable for various temperature classes & gas groups. These motors are licensed by BASEEFA for ATEX, CSA for IEC, Ex Div 2 and DGMS / CCOE

CG smoke extraction motors are designed for stringent operating condition during fire / high temperature ambient condition. Our smoke extraction motor complies with latest BS EN 12101-3:2015

CG fire fighting motor is specially designed for fire fighting duty application which complies with requirements of UL 1004-1 and UL 1004-5. It is engineered for environment which demands more ventilation. This motor will have listing mark including control no. on the

HAZARDOUS AREA MOTORS AND SPECIAL MOTORS

| | FLAME PROOF | NON SPARKING | INCREASED SAFETY | SMOKE EXTRACTION MOTOR | FIRE FIGHTING | ALUMINIUM MOTORS | ALTERNATOR |
|----------------------|--|---|-------------------------------|---|---|---|---|
| | Ex 'db' IE4, IE3, IE2 | Ex 'ec' IE4, IE3, IE2 | Ex 'eb' IE4, IE3, IE2 | IE2, IE3 | UL LISTED MOTORS | IE2 & IE3 | USTAD |
| |  |  | |  |  |  |  |
| Rating | 0.37kW to 450Kw | 0.37kW to 450Kw | 0.37kW to 315kW | 0.75kW to 37kW | 0.55kW to 200kW | 0.12kW to 9.3kW | 5kVA to 82.5kVA (3Ph) 5kVA to 20kVA (1Ph) |
| Voltage | 415V, Other on request | 415V, Other on request | 415V, Other on request | 415V, Other on request | 415V, Other on request | 415V, Other on request | 415V (3Ph) & 240V (1Ph) |
| Cooling method | IC411 | IC411 | IC411 | IC411 | IC411 | IC411 | IC411 |
| Frame | 80 to 400 | 80 to 400 | 80 to 355 | 80 to 225 | 90 to 315 | 63 to 132 | 132 to 200 |
| Pole | 2/4/6/8 | 2/4/6/8 | 2/4/6/8 | 2/4/6/8 | 2/4/6/8 | 2/4/6/8 | 2/4/6/8 |
| Degree of protection | IP55, Others on request | IP55, Others on request | IP55, Others on request | IP55, Others on request | IP55, Others on request | IP55, Others on request | IP21, IP23 |
| Mounting | All mounting | All mounting | All mounting | Foot, others on request | Foot, others on request | Foot / Flange / Face | Foot |
| Gas | Group I, IIA, IIB, IIC, Dust Proof IIIC | Group IIC, Dust Proof IIIC | Group IIC, Dust Proof IIIC | - | - | - | - |
| Temperature Class | T4 | T4 | T4 | - | - | - | - |



Oil and Gas



Petrochemical



Smoke extraction
in Tunnel



Fire fighters



Power plant



Telecom






RELIABLE ROBUST EFFICIENT

CG motors are designed with new slip ring and brush gear arrangement for trouble free operation and long lasting brush life. Slip ring is mounted in epoxy – based insulation with excellent stability at high temp. It complies with IPSS standards to meet the requirement of steel plants.

Squirrel cage / slip ring crane duty motors are specially designed for service on cranes and hoists. They can also be used for similar application such as material handling equipment, and cranes of all type. These motors can serve as auxiliary motors in rolling mills or wherever intermittent duty drives are required.

These are duty type rated motors developing high starting torque with low starting current. The motors are suitable for frequent start /stop and reversals. Also rapid acceleration is achieved by high pull out torque rotor inertia ratio.

HEAVY DUTY MOTORS

| | DC | ROLLER TABLE | CRUSHER DUTY | CRANE DUTY MOTORS | | SLIPRING MOTORS | |
|----------------------|--|---|---|---|---------------------------|---|------------------------------|
| | AJASA SERIES | NR SERIES | TEFC | SQUIRREL CAGE | SLIP RING | TEFC | SPDP |
| |  |  |  |  | |  | |
| Rating | 2.2kW to 450kW | 0.55kW to 24kW | 0.55kW to 600 kW | 0.25kW to 350kW | 2.2kW to 450kW | 2.2kW to 400kW | 3.7 kW to 400kW |
| Voltage | 440V other on request | 220V to 690V | 415V, Other on request | 415V, Other on request | 415V, Other on request | 415V, Other on request | 415V, Other on request |
| Cooling method | IC06, IC17, IC37, IC0666 | IC411 | IC411 | IC411 | IC411 | IC411 | IC411 |
| Frame | 90 to 500 | 132 to 355 | 80 to 450 | 71 to 450 | 132 to 450 | 132 to 450 | 160 to 400 |
| Pole | 2/4/6/8 | 4/6/8/10/ 12/14/16 | 4/6/8 | 4/6/8 | 4/6/8 | 4/6/8 & others on request | 4/6/8 & others on request |
| Degree of protection | IP55, IP23 | IP55, Others on request | IP55, Others on request | IP55 | IP55 | IP55 | IP23 |
| Mounting | Foot, others on request | Foot / Flange | Foot, others on request | Foot / Flange | Foot / Flange | Foot / Flange | Foot / Flange |



Infrastructure



Steel roll mill



Cooling



Conveyor belt



Crane



Crusher



Registered Office:

CG Power and Industrial Solution Limited

CG House, Dr. Annie Besant Road, Worli, Mumbai - 400030, Maharashtra, India.

Website: www.cgglobal.com

Regional Offices:

North:

Noida:- 4th Floor, Discovery Tower, Plot No .17, Block A , Institutional Area Sector 62, Noida - 201309, Uttar Pradesh, India.

East:

Kolkata:- 50 Chowringhee Road, Kolkata - 700071, West Bengal, India.

West:

Mumbai:- Western Region CG House 8th floor , Dr. Annie Besant Road , Worli Mumbai - 400030, Maharashtra, India.

South:

Chennai:- No-3, Dr. MGR Salai (Kodambakkam High Road) Nungambakkam , Chennai - 600034, Tamil Nadu, India.

TOLL FREE NUMBER : 18772670505

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