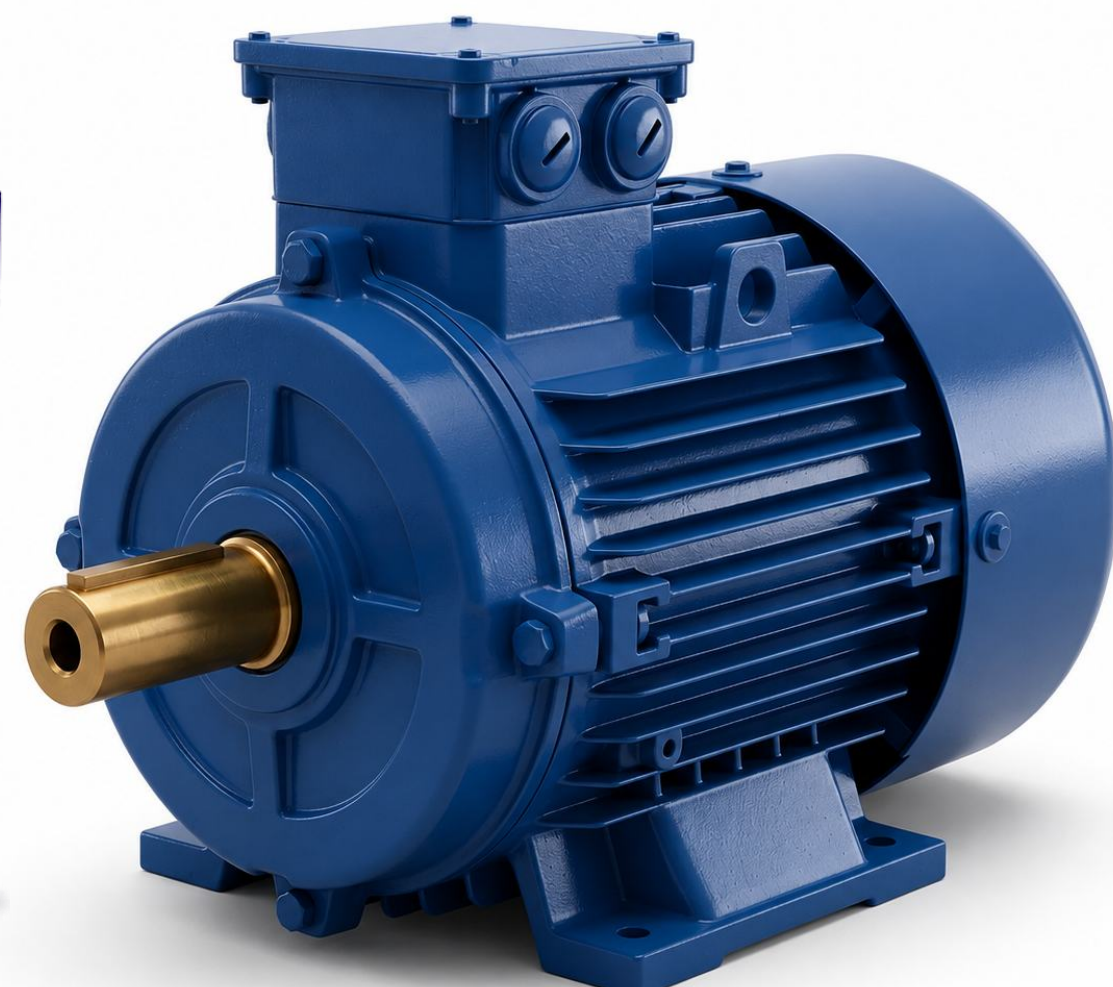




WE-TECH™
MORE POWER WITH MORE EFFICIENCY

Authorized Dealer & Supplier of
INDUCTION MOTORS & WELDING ELECTRODES





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Brands We Deal In

Trusted global manufacturers for industrial motor solutions.



SIEMENS



INNOMOTICS



HAVELLS



**CG Power and Industrial
Solutions Ltd.**

- ✦ Industrial Motors
- ✦ Variable Frequency Drive (VFD)
- ✦ Welding Electrodes
- ✦ Gear Box
- ✦ AC Drives





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IE2 High Efficiency Motors

IE2 motors are energy-efficient electric motors designed according to the international IEC 60034-30 efficiency classification standard. These motors are widely used in industrial and commercial applications because they provide better performance, lower power consumption, and reduced operating costs compared to standard efficiency motors.



Specifications

Specification	Details
Frame Size	71 - 315L
Pole Options	2 , 4 , 6 , 8
Protection Class	IP55 / IP65
Kilo Watt	0.12 - 355KW
Voltage	415V ±10%
Frequency	50Hz

Features of IE2 Motors

- ✦ High Energy Efficiency
- ✦ Robust Construction
- ✦ Smooth and Quiet Operation
- ✦ Reduced Maintenance
- ✦ Low Operating Temperature

Applications

- ✦ Water pumps
- ✦ Air compressors
- ✦ HVAC systems
- ✦ Blowers and fans
- ✦ Conveyors
- ✦ Textile & Packaging Machinery
- ✦ Agricultural equipments

**Built for Energy Savings &
Long - Term Performance**





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IE3 Premium Efficiency Motors

IE3 motors are premium energy-efficient electric motors engineered according to the international IEC 60034-30 efficiency classification standard. These motors are designed to deliver superior efficiency, lower energy losses, and optimized performance for demanding industrial and commercial applications. Compared to standard and IE2 motors, IE3 motors significantly reduce power consumption, operating costs, and carbon emissions while ensuring reliable long-term operation.



Specifications

Parameters	Details
Frame Size	71 - 315L
Kilo Watt	0.12 - 355KW
Poles	2 , 4 , 6 , 8
Voltage	415V ±10%
Mounting	B3 / B5 / B35

Features of IE3 Motors

- ⚡ Premium Energy Efficiency
- ⚡ Reduced Power Consumption
- ⚡ High Performance & Reliability
- ⚡ Low Heat Generation
- ⚡ Smooth & Silent Operation
- ⚡ Rugged & Durable Construction
- ⚡ Lower Maintenance Requirements
- ⚡ Longer Service Life

Applications

- ⚡ Material handling systems
- ⚡ Industrial processing machines
- ⚡ HVAC systems
- ⚡ Blowers and fans
- ⚡ Air compressors & Conveyors
- ⚡ Textile & Packaging Machinery
- ⚡ Agricultural equipments

**Engineered for Maximum Efficiency
& Long-Term Reliability**





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IE4 Super Premium Efficiency Motors

IE4 motors are advanced super premium efficiency electric motors developed to meet the latest IEC 60034-30 international efficiency standards. Designed for high-performance industrial operations, these motors provide exceptional energy savings, improved productivity, and reduced environmental impact. IE4 motors are ideal for industries seeking next-generation motor technology with superior operational reliability and lower lifecycle costs.



Technical Specifications

Parameters	Details
Frame Range	80 – 355L
Power Output	0.75 – 400KW
Pole Configuration	2 , 4 , 6 , 8
Rated Voltage	415V ±10%
Mounting Types	B3 / B5 / B35
Operating Frequency	50Hz / 60Hz

Key Advantages

- ⚡ Super Premium Energy Savings
- ⚡ Ultra-Low Power Losses
- ⚡ Enhanced Thermal Performance
- ⚡ High Torque Efficiency
- ⚡ Reduced Noise & Vibration
- ⚡ Heavy-Duty Industrial Design
- ⚡ Extended Equipment Lifespan
- ⚡ Optimized for Continuous Operation

Suitable Applications

- ⚡ Process industries
- ⚡ Industrial pumps
- ⚡ Chemical processing equipment
- ⚡ Compressors and blowers
- ⚡ Mining & cement industries
- ⚡ Conveyor systems

**Smart Power for High-Efficiency
Industrial Performance**





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Flame Proof Motors

Flame Proof Motors are specially engineered electric motors designed for operation in hazardous and explosive environments where safety and reliability are critical. Manufactured in compliance with international safety standards, these motors are built with robust enclosures that prevent internal sparks or flames from igniting surrounding gases, vapors, or combustible dust. Flame proof motors are widely used in industries requiring maximum operational safety under extreme working conditions.



Technical Specifications

Specification	Details
Power Range	0.18 – 400KW
Pole Options	2 , 4 , 6 , 8
Frame Size	80 – 355L
Protection Class	IP55 / IP65
Voltage	415V ±10%
Frequency	50Hz

Key Features

- ⌚ Flame Proof & Explosion Resistant Design
- ⌚ Heavy-Duty Cast Iron Construction
- ⌚ High Operational Safety
- ⌚ Efficient Heat Dissipation
- ⌚ Low Noise & Vibration
- ⌚ Corrosion Resistant Finish
- ⌚ Reliable Performance in Harsh Condition
- ⌚ Long Service Life & Minimal Maintenance

Suitable Applications

- ⌚ Oil & gas industries
- ⌚ Chemical plants & Petroleum refineries
- ⌚ Paint & solvent industries
- ⌚ Mining operations & Cement industries
- ⌚ Pharmaceutical manufacturing
- ⌚ Fertilizer plants

Built for Hazardous Environments & Safe Industrial Operations





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Crane Duty Motors

Crane Duty Motors are specially designed to withstand the demanding operating conditions of cranes, hoists, and material handling equipment. Built for frequent starts, stops, reversing, and heavy load applications, these motors deliver high starting torque, reliable performance, and superior durability. Their rugged construction ensures smooth operation and long service life even under severe industrial working conditions.



Technical Specifications

Specification	Details
Power Range	0.5 – 250KW
Pole Options	4 , 6 , 8
Frame Size	80 – 280L
Protection Class	IP55
Voltage	415V ±10%
Duty Type	S3 / S4 / S5

Key Features

- ⚡ High Starting & Pull-Out Torque
- ⚡ Designed for Frequent Operations
- ⚡ Robust Cast Iron Body Construction
- ⚡ Excellent Overload Capacity
- ⚡ Smooth Reversing Performance
- ⚡ Low Maintenance Requirements
- ⚡ Enhanced Mechanical Strength
- ⚡ Reliable Operation Under Heavy Loads

Applications

- ⚡ EOT cranes & Gantry cranes
- ⚡ Hoists and winches
- ⚡ Material handling systems
- ⚡ Mining industries
- ⚡ Steel & rolling mills

**Engineered for Heavy Loads &
Reliable Lifting Performance**





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We-Tech – E7018

Classification & Coding

- AWS Specification: AWS A / SFA 5.1 : E7018
- Identification:- Name Printed

Characteristics

- Rutile Coated Electrodes
- 25 / 20 Type SS Deposit
- Excellent resistance to cracking & Fissuring.
- Easy slag removal & Excellent arc stability.

Application

- Joining difficult to weld steels such as armour plates.
- Ferric stainless steels as well as dissimilar steels.
- Cladding side of stainless steels & dissimilar steels.

Availability

- Standards size : 5.0, 4.0 , 3.15 & 2.5 in 350 / 450 mm length
- Packing :- 350 & 450 mm in 2.50 & 5.0 Kg.

Chemical Composition

C%	Mn%	Si%	S%	P%	Diffusible H2 Content
0.04 - 0.09	0.80 - 1.60	0.30 - 0.70	0.030 Max	0.030 Max	< 5 ml / 100 gm

Mechanical

Condition	UTS (MPa)	YS (MPa)	% Elong.(L=4xd)	CVN Impacts
As Welded	480 - 620	420 - 560	23 - 30	30 - 70

Current & Conditions : Use AC (70V), DC (+)

5.0	4.0	3.15	2.50
180 - 240	140 - 180	100 - 130	60 - 90





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We-Tech – E6013

Classification & Coding

- AWS A / SFA 5.1 : E6013, IS 814 : ER 4211
- Coating Type : Rutile
- Coating Factor : Medium Coated
- Identification : Name printed

Characteristics

- General purpose mild steel welding electrode
- Low spatter & easy slag removal & finely rippled.
- X – Ray quality weld deposit
- Smooth beads are special features of this electrode.
- Suitable for major structural work and bridging wide root gap

Availability

- Standards size : 5.0, 4.0 , 3.15 & 2.5 in 350 / 450 mm length
- Packing :- 350 & 450 mm in 2.50 & 5.0 Kg.

Chemical Composition

	C%	Mn%	Si%	S%	P%
Typical	0.06	0.45	0.20	0.02	0.02
Specification	0.20 Max	1.20 Max	1.00 Max	0.03 Max	0.03 Max

Mechanical Properties

	Condition	UTS (MPa)	YS at 0.2% offset (MPa)	EL %	CVN Impact
Typical	As Welded	515	450	25	65
Specification		460 - 550	370 - 480	23 - 30	50 - 75

Current & Conditions : Use AC (70V), DC (+)

5.0	4.0	3.15	2.50
180 - 245	135 - 180	100 - 130	60 - 90



Application

- Railway Wagons
- Storage tanks & Pressure Vessels
- Automobile bodies
- Fire boxes, pipelines & Storage tank





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We-Tech – E6013 S

Classification & Coding

- AWS A / SFA 5.1 : E6013, IS 814 : ER 4222 X
- Coating Type : Rutile
- Coating Factor : Medium
- Identification : Name printed

Characteristics

- Rutile type medium coated electrodes
- All position capability
- X – Ray quality weld deposit

Availability

- Standards size : 5.0, 4.0 , 3.15 & 2.5 in 350 / 450 mm length
- Packing :- 350 & 450 mm in 2.50 & 5.0 Kg.

Chemical Composition

	C%	Mn%	Si%	S%	P%
Typical	0.07	0.46	0.23	0.02	0.02
Specification	0.20 Max	1.20 Max	1.00 Max	0.03 Max	0.03 Max

Mechanical Properties

	Condition	UTS (MPa)	YS at 0.2% offset (MPa)	EL %	CVN Impact
Typical	As Welded	510	440	25	62
Specification		460 - 550	370 - 480	22 - 28	50 Min

Current & Conditions : Use AC (70V), DC (+)

5.0	4.0	3.15	2.50
180 - 245	135 - 180	100 - 130	60 - 90



Application

- Railway Wagons
- Storage tanks & Pressure Vessels
- Boiler tubes & Fine steel furniture
- Pipelines etc





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We-Tech – E6013 SS

Classification & Coding

- AWS A / SFA 5.1 : E6013, IS 814 : ER 4222 X
- Coating Type : Rutile
- Coating Factor : Heavy Coated
- Identification : Name printed

Characteristics

- Rutile type Heavy coated electrodes
- Suitable for major structural work and bridging wide root gap.
- X – Ray quality weld deposit

Availability

- Standards size : 5.0, 4.0 , 3.15 & 2.5 in 350 / 450 mm length
- Packing :- 350 & 450 mm in 2.50 & 5.0 Kg.

Chemical Composition

	C%	Mn%	Si%	S%	P%
Typical	0.06	0.45	0.20	0.02	0.02
Specification	0.20 Max	1.20 Max	1.00 Max	0.03 Max	0.03 Max

Mechanical Properties

	Condition	UTS (MPa)	YS at 0.2% offset (MPa)	EL %	CVN Impact
Typical	As Welded	515	450	25	65
Specification		460 - 550	370 - 480	23 - 30	50 - 75

Current & Conditions : Use AC (70V), DC (+)

5.0	4.0	3.15	2.50
180 - 245	135 - 180	100 - 130	60 - 90



Application

- Railway Wagons
- Storage tanks & Pressure Vessels
- Automobile bodies





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