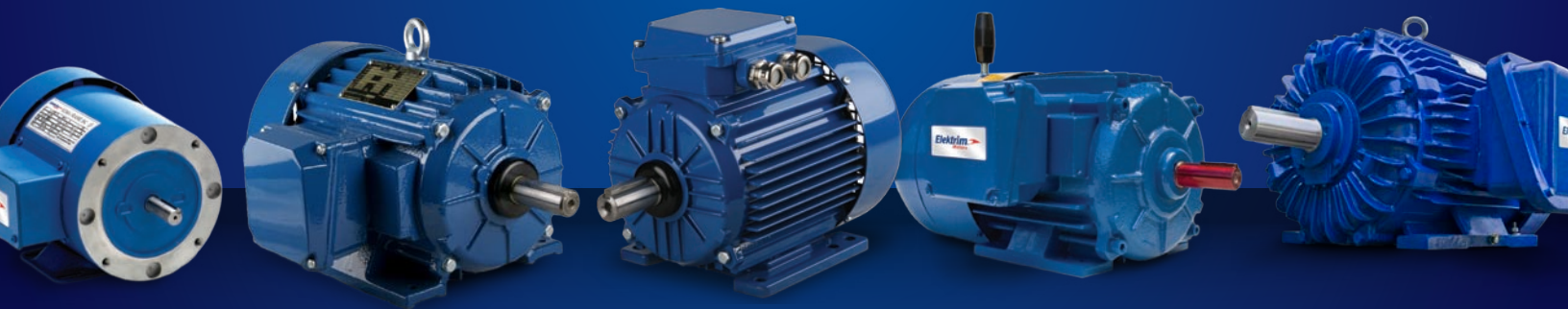


Elektrim[®] Motors

AC NEMA AND METRIC IEC MOTORS FULL PRODUCT LINE OVERVIEW



40
YEARS
OF
MANUFACTURING EXCELLENCE

www.elektrimmotors.com or call 855-Go-Elektrim

A History of Motor Excellence

For over 40 years, Elektrim Motors has designed and manufactured a full line of AC NEMA and Metric IEC motors for the US marketplace. Our enthusiasm for motors and commitment to exacting standards mean that Elektrim Motors are some of the finest, longest lasting and best performing motors in the industry.



European Engineered Performance

Premium Efficient Cast Iron Motors



Premium Efficient Performance 20N Series

- 1-250 HP
- 3600-1800-1200 RPM
- NEMA Premium® TEFC IP55
- Dual Rated 60/50 Hz
- Inverter Rated 10:1CT 20:1VT
- Service Factor up to 1.4
- Vacuum Pressure Impregnation
- Oversized Bearings on both ends
- V-Ring or Labyrinth Seal
- Moisture Resistant Tropicalization

Applications

- Mills and Quarries
- Pumps and Conveyors
- Foundries and Chemical Plants



Premium Efficient All-Purpose 31N Series

- 1-50 HP
- 3600-1800-1200-900 RPM
- NEMA Premium® TEFC IP55
- Dual Rated 60/50 Hz
- Inverter Rated 10:1CT 100:1VT
- Service Factor up to 1.25
- Class I, Div II Group ABCD T3C

Applications

- Pumps
- Fans and Blowers
- Packaging Equipment
- Mixers
- Conveyors
- Compressors



Premium Efficient All-Purpose 32N Series

- 60-250 HP
- 3600-1800-1200 RPM
- Premium Efficient TEFC IP55
- Dual Rated 60/50 Hz
- Inverter Rated 10:1CT 20:1VT
- Service Factor 1.20
- Vacuum Pressure Impregnation
- Oversized Bearings on both ends

Applications

- Pumps
- Fans and Blowers
- Packaging Equipment
- Mixers
- Conveyors



Premium Efficient Severe Duty 60N Series

- 1-250 HP
- 3600-1800-1200 RPM
- NEMA Premium® TEFC IP55
- Dual Rated 60/50 Hz
- Inverter Rated 10:1CT 20:1VT
- Service Factor up to 1.4
- Vacuum Pressure Impregnation
- Oversized Bearings on both ends
- V-Ring or Labyrinth Seal
- Moisture Resistant Tropicalization
- Low Vibration Level <0.08 in/sec

Applications

- Mills, Quarries and Crushers
- Foundries and Chemical Plants

Rolled Steel Motors



56C Single & Three Phase

- 1/3-3 HP
- 3600-1800 RPM
- TEFC IP55
- Dual Rated 60/50 Hz
- Service Factor 1.15
- Single and Three Phase
- C-Face Footed and Round Body

Applications

- Gear Reducers
- Machine Tools
- Fans and Blowers
- Compressors
- Grinders
- Conveyors



T/TC - High Torque Single Phase

- 3-10 HP
- 3600-1800 RPM
- TEFC IP55
- Single Phase 60 Hz
- Service Factor 1.15
- High Starting Torque
- Footed and C-Face Footed

Applications

- Grain Augers
- Grain Legs
- Bucket Elevators
- Feeders
- Agitators
- Irrigation Pumps



High Efficient Metric IEC Series

- 0.08-150 HP
- 3600-1800-1200 RPM
- TEFC IP55
- Dual Rated 60/50 Hz
- Inverter Rated 5:1CT 10:1VT
- Vacuum Pressure Impregnation
- Oversized Bearings on both ends

Applications

- Pumps
- Conveyors
- Fans and Blowers
- Machine Tools
- Textiles
- Marine Duty



Larger Metric Low Voltage

- 220-1500 HP
- 3600-1800-1200 RPM
- TEFC IP55 or Better
- Dual Rated 60/50 Hz
- Inverter Duty Rated
- Vacuum Pressure Impregnation
- Oversized Bearings on both ends

Applications

- Pumps
- Conveyors
- Fans and Blowers
- Mills
- Mineral Processing
- Waste Management Facilities

AC NEMA and Metric IEC Motors

Close Coupled Pump Motors



Premium Efficient Close Coupled JM/JP

- 1-60 HP
- 3600-1800 RPM
- NEMA Premium® TEFC IP55
- Dual Rated 60/50 Hz
- Inverter Rated 20:1VT
- Service Factor up to 1.4
- Vacuum Pressure Impregnation
- Oversized Bearings on both ends

Applications

- Transfer Pumps
- Circulating Pumps
- Centrifugal Pumps
- Hydraulic Pumps
- Turbine Pumps



TEFC JM/JP for ODP Replacement

- 1-30 HP
- 3600-1800 RPM
- TEFC IP55 step-down frame for direct ODP replacement
- Inverter Duty Rated
- Vacuum Pressure Impregnation
- Oversized Bearings on both ends
- Use Horizontally or Vertically

Applications

- Transfer Pumps
- Circulating Pumps
- Centrifugal Pumps
- Hydraulic Pumps
- Turbine Pumps

Washdown Motors

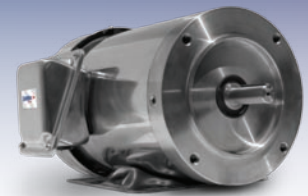


56C Stainless Steel

- 1/3-3 HP
- 3600-1800 RPM
- TEFC IP55
- Dual Rated 60/50 Hz
- Service Factor 1.15
- Single and Three Phase (VFD)
- C-Face Footed and Round Body
- Anti-Corrosion 300 Series Steel

Applications

- Food Processing Equipment
- Poultry Processing
- Corrosive Environments
- Bottling Plants
- Car Washes



Premium Efficient TC - Stainless Steel

- 1-30 HP
- 3600-1800 RPM
- NEMA Premium® TEFC IP55
- Dual Rated 60/50 Hz
- Inverter Rated 3:1CT 5:1VT
- Service Factor 1.15
- Vacuum Pressure Impregnation
- Anti-Corrosion 300 Series Steel

Applications

- Food Processing Equipment
- Poultry Processing
- Corrosive Environments
- Bottling Plants
- Car Washes

Definite Purpose Motors



Crusher Duty

- 125-600 HP
- 1800-1200 RPM
- TEFC IP55
- Inverter Rated 5:1CT 10:1VT
- Service Factor up to 1.20
- with Thermistors and Space Heaters (449T and up)
- Vacuum Pressure Impregnation

Applications

- Mills
- Crushers
- Pulverizers
- Feeders
- Conveyors



Premium Efficient Brake Series

- 1-30 HP
- 3600-1800-1200 RPM
- NEMA Premium TEFC IP55
- Dual Rated 60/50 Hz
- Inverter Rated 10:1CT 20:1VT
- Service Factor up to 1.4
- Vacuum Pressure Impregnation
- Oversized Bearings on both ends

Applications

- Conveyors
- Gear Reducers
- Cranes and Hoists
- Machine Tools
- Door Operators

Medium Voltage Motors



Above NEMA Medium Voltage

- 150-2500 HP
- 3600-1800-1200-900-750 RPM
- TEFC Cast Iron Fin Frame
- Multiple Voltages Available
- Service Factor 1.15
- Vacuum Pressure Impregnation
- Versatile Extra Mounting Holes
- Quieter operation < 85 dBA

Applications

- Cement and Chemical Plants
- Metal Processing
- Mining Machinery
- Refineries
- Foundries



Metric Medium Voltage

- 220-6300 HP
- 2, 4, 6, 8, and 10 Pole
- TEFC Welded or Cast Iron Frame
- Multiple Voltages up to 11kV
- Vacuum Pressure Impregnation
- Low Vibration Level < 1.8mm/s
- Versatile Extra Mounting Holes
- Winding & Bearing Protection

Applications

- Cement and Chemical Plants
- Metal Processing
- Foundries and Refineries
- Extruders and Shredders
- Chippers and Thrusters



ADVANCED CAPABILITIES

Voltage Flexibility

Possible Supply Voltages for NEMA and Metric IEC Motors

The Elektrim in-house modification center provides more on-demand customization, including voltage re-rates, faster and with greater flexibility. When you need to meet a specific voltage requirement, turn to Elektrim. Our 20, 40 and 60 series motors are dual rated for 60/50 Hz and can be re-rated, according to your application's needs, to a multitude of possible supply voltages.

60 Hz Voltages
208V
230V
380V
400V
460V
480V
575V
600V
796V

50 Hz Voltages	
190V	415V
200V	440V
220V	500V
230V	525V
240V	660V
380V	690V
400V	



SOLUTIONS TO MEET YOUR NEEDS

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