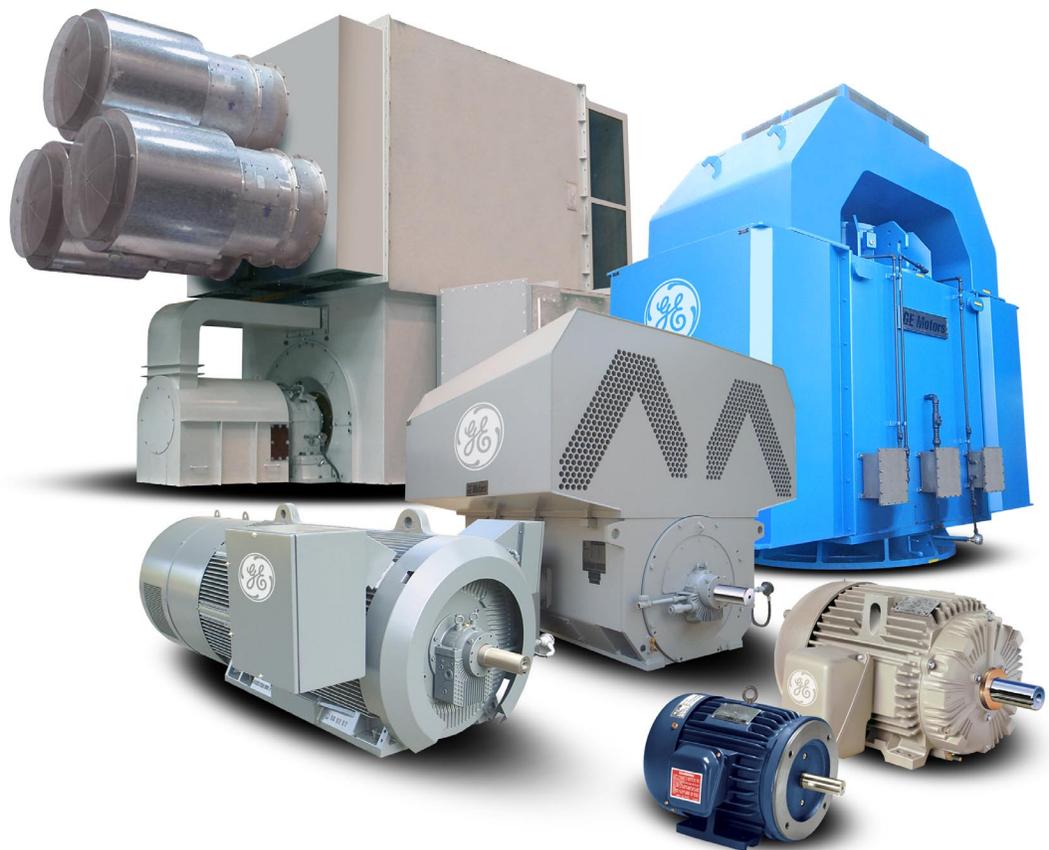


GE
Motors

Product Line



imagination at work

EPact Efficient Value Line Family of Products



Open Drip Proof
1-400HP
200, 230/460, 460, 575 Volt
GEGARD1800® Insulation System
Inverter Capable
Cast Iron Frame & Endsheids
1.15 S.F.
F-1 to F-2 modifiable



Totally Enclosed Fan Cooled
 $\frac{3}{4}$ - 150HP
200, 230/460, 460, 575 Volt
GEGARD1800® Insulation System
Inverter Capable
Cast Iron Frame & Endsheids
1.15 S.F.
F-1 to F-2 modifiable
C-Face or Footmount



Totally Enclosed Fan Cooled Severe Duty
 $\frac{3}{4}$ - 250HP
230/460, 460, 575 volt
GEGARD1800® Insulation Sys.
Inverter Capable
Full Cast Iron Construction
1.15 S.F.
F-1 to F-2 modifiable
Shaft Slinger



Totally Enclosed Fan Cooled Explosion Proof
1-200HP
230/460 Volt
Full Cast Iron Construction
Brass Flinger on both ends
Non-Sparking fan
Oversized Conduit Box

NEMA Premium® Efficient



E\$P Open Drip Proof
1-300HP
230/460, 575 volt
GEGARD1800® Insulation System
Inverter Capable
Cast Iron Frame & Endsheids
1.15 S.F.



X\$D Ultra® Extra Severe Duty Totally Enclosed Fan Cooled
1-300HP
230/460, 460, 575 volt
Full Cast Iron Construction
1.15 S.F.
GEGARD2000® Insulation System
Six Star Bearing™ System with 0.04 ips
Recessed Steel Reinforced V-Ring Slinger



X\$D Ultra® 841 Extra Severe Duty Totally Enclosed Fan Cooled
1-250HP
460, 575 volt
Full Cast Iron Construction
Meets or exceeds IEEE 841 Standards
GEGARD2000® Insulation System
Six Star Bearing™ System with 0.04 ips
D.E. and O.D.E. Inpro Seal™

Direct Current Motors



Permanent Magnet DC
 $\frac{1}{4}$ - 3HP
90 or 180 VDC Field
C-Face w/bolt on feet
Provision for tachometer
Drive Capable
Cont. Torque to 5% base speed
with free wheeling diode



Kinamatic II
1-500HP
240, 500 VDC Armature
150/300 VDC Field
TIG Welded Copper to Copper
Commutators
DPFG, DPFG-BV, TE



CD6000-CD6900
500-2000HP
240, 500 VDC Armature
150/300 VDC Field
Sturdy TREC® Main and Commutating
Field Coils are Standard
TIG Welded Copper to Copper
Commutators
DPG, DPG-BV, TEFC

Application Specific



**Totally Enclosed Fan Cooled (IP54)
High Speed**
3-150 HP
C-Face Footed
230/460 Volt, 60 Hz at 1.15 SF
200/400 Volt, 50 Hz at 1.15 SF
and Derated to next lowest HP
GEGARD1800® Insulation System
CE Marked
Qty 2 N.C. Thermostat



Custom Vertical
1-800 HP
230, 460, 2300 or 4160 Volt
Cast Iron Frame
WPI, WP11, TEFC
Solid or Hollow Shaft Designs
Normal, High or Extra-High Thrust Designs
Standard or Energy Efficient Electrical Designs



**Vertical Motors
Weather-Protected (WPI)**
5-300 HP
230/460, 460 Volt (Part Winding Start)
GEGARD1800® Insulation System
Cast Iron Frame & Endshield
Stamp Steel Top Hat
Ball Ratchet
High Thrust
Inverter Capable



**X\$D Ultra® 661 Extra Severe Duty
Totally Enclosed Fan Cooled
Heat Exchanger**
5-75 HP
380, 460 volt
Meets API 661 & IEEE 841 Standards
GEGARD2000® Insulation System
Roller Bearing L10 Life: 40,000 hrs
D.E. and O.D.E. Inpro Seal™
IP-55 Protection
4 pt Cast-in-lifting Lugs for
Safe and Easy Vertical Lifting



**X\$D Ultra® Extra Severe Duty
Totally Enclosed Fan Cooled
High Torque - NEMA Design "C"**
40-300 HP
230/460, 460, 575 volt
Design "C"
1.15 S.F.
GEGARD2000® Insulation System
Six Star Bearing™ System with 0.04 ips
Recessed Steel Reinforced V-Ring Slinger



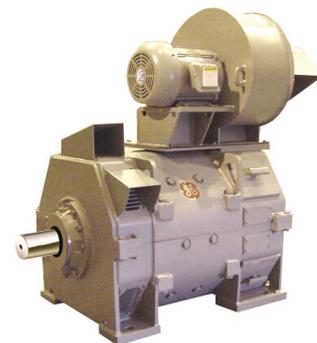
Adjustable Speed Motor A\$D
1.5-300 HP
230/460, 460, 575 volt
Totally Enclosed
GEGARD2000® Insulation System
Infinite:1 Constant Torque Speed Range
3 N.C. Thermostat
UL and CSA recognized
Provision to Install Encoder



**Electric Vehicle
Systems**
2-30 HP
36 to 80 VDC
Partial motor design
for OEM replacement
19T or 10T female shaft extension
Traction, Hydraulic Pump
and Power Steering



Commercial Refrigeration
81 mm & 92 mm
2-90 watts
100-1650 RPM
UL and CSA listed
Standard and High Efficient
Shaded Pole or Permanent
Split Capacitor
Threaded Shaft



MD800 Mill Duty
5-500 HP
Meets AISE Standard
Split Frame Design
Double Tapered Shaft
Class H Insulation
TREC™ Coils

Above NEMA



500 Frame
Low & Medium Voltage
250-800HP
460, 2300, 4160, 6600 Volt
ODP, WPII, TEFC
Vertical or Horizontal Configuration
Custom Polysel® Insulation available



450-7000 Frame Horizontal
Low & Medium Voltage Induction
350-2,000 HP (250-1,400 kW)
Up to 6600 Volts
2 to 10 Pole
NEMA & IEC Designs
API 541, 547
TEFC



8200-8900 Frame Horizontal
Medium & High Voltage Induction
500-15,000 HP (11,000 kW)
Up to 13800 Volts
Fabricated Steel Frame Construction
NEMA & IEC Designs
API 541, 547
WPI, WPII, TEAAC, TEWAC



8200-8900 Frame Vertical
Medium & High Voltage Induction
500-12,500 HP (9,000 kW)
Up to 13800 Volts
Fabricated Steel Frame Construction
NEMA & IEC Designs
API 541
Normal or High Thrust Designs
WPI, WPII, TEAAC, TEWAC



Wound Rotor Motors
500-15,000 HP (11,000 kW)
Up to 6600 Volts
Fabricated Steel Frame Construction
NEMA & IEC Designs
WPI, WPII, TEAAC, TEWAC



Large AC Synchronous Motors
1000-100,000 HP (75,000 kW)
Up to 15,000 Volts
Specifications & Standards,
NEMA, CSA, IEEE, IEC, API 546
Solid Salient Rotor Design for 4 & 6 Pole
Customized design available for various
applications
Proven design and manufacturing
techniques



Large DC Motors
Up to 12,000 HP (8,952 kW)
Class F or H insulation
Split magnet frame for easy maintenance
High thrust & torque capabilities
Marine Generation and Propulsion,
Mining & Metal applications



Generators
AC Design Up to 75,000 kVA
Up to 13,800 Volts
Vertical and horizontal configurations
Specifications & Standards, NEMA,
CSA, IEEE, IEC, API
4 & 6 pole for Steam and
Gas Turbine applications
8 pole and above for small hydro apps.
All types of enclosures are available

Low Voltage Drives



AF-60 LP Micro Drive

1/4 - 10 HP

230 & 460 Volt

Compact with built-in brake chopper, RFI Filter and removable keypad with Quick Menu, H-O-A, and single turn potentiometer

Ideal for pumps, fans, mixers, and conveyors



AF-600 FP Fan/Pump Drive

1 - 60 HP, 230 Volt

1 - 1,350 HP, 460 & 575 Volt

Ideally suited for HVAC, pumps, blowers, and compressors

NEMA 1, 12 Stand Alone drive options

Built-in Modbus RTU, Metasys N2, & Apogee FLN

P1 networks. Options for BACnet, LonWorks,

DeviceNet, and Profibus DP

Quick Menu, Fan/Pump Macros, 4 Auto-Tune PID

Controllers, Cascade Pump Controller, Real Time

Clock, Energy Savings Mode, and On-Board Manual.



AF-600 GP General Purpose Drive

1/3 - 50 HP, 230 Volt

1/2 - 1,200 HP, 460 Volt

1 - 1,350 HP, 575/690 Volt

Ideally suited for constant torque and variable torque applications

NEMA 1, 4, & 12 Stand Alone drive options

Built-in Modbus RTU

Quick Menu, Closed Loop Vector with built-in encoder feedback and On-Board Manual

Medium Voltage Drives



Dura-Bilt 5i MV

400-5,000 HP

298-3,730 kWh

2000-2400, 3000-3400, 4000-4200 Volts

Compact Design

Heat Pipe Air-Cooled Inverter

IEEE 519 Compliant

Sensorless Vector Control

Copper Wound Transformer Included as Standard

5 Year Warranty

Genuine Parts



Coils

Armature
Field
Stator
Ammortisseur
Synchronous Rotor Poles
Equalizer

Commutators/Collectors

Replacement Commutator
Slip Ring Assemblies

Brush Assembly

Brushes
Springs
Brushholders

Bearings

Sleeve Bearings
Oil Rings

Exciters

Rotor & Stators

Accessories

Air Filters
Molded Equalizer Trays
Speed Limit Switches
Heaters
Thermostats
Thyristors
Converter Assemblies
Oil Guages
Fans
Blower Assembly or Wheel

GE Genuine Parts were designed for your GE motors. They will always fit perfectly saving you time and effort.

"Coils from other suppliers almost always require some forming and bending which can damage the coil insulation and increase labor time. GE armature coil kits include clips and soldering blocks. These fit perfectly and are two less items we have to chase down when we rewind an armature..."

Robert N. Miles
GE Energy Services

Superior Product Quality

- Genuine GE parts built to original designs using latest materials and manufacturing processes.
- A full complement of spare parts are available for the entire range of GE motors.

Exact Fit and Specification

- Average installation time is reduced compared to competitor parts in GE motors.

World Class Service

- Our Dedicated Renewal Parts Team is fully integrated with technology and manufacturing.
- Identification of common spare parts is based simply on machine model or serial number

Spare Parts Program

- Customers minimize downtime with an adequate spare parts inventory plan for their GE motors.

GEGARD Insulation System

Guaranteed Ultimate Performance on Inverter Power



GEGARD1800™

This system exceeds NEMA MG1-31 (which is 3.1 times the nameplate voltage) for motors operating on inverters. The insulation system is comprised of class F materials and the varnish is non-hygroscopic, anti-fungus. The varnish is either applied via a Dip and Bake, or Vacuum Pressure Impregnation (VPI) process. The combination of materials and processes provides a minimum Corona Inception Voltage (CIV) up to 1800 volts peak with a rise time of 0.1 microseconds.



GEGARD2000™

This system exceeds NEMA MG1-31 (which is 3.1 times the nameplate voltage) for motors operating on inverters. The insulation system is comprised of class H materials and the varnish is non-hygroscopic, anti-fungus. The varnish is applied via a Trickle Treat process while a 60 Hz current is passed through the windings. This causes the varnish to flow through the winding resulting in improved penetration into the stator slots and an increase in varnish build. The current also cures the winding from the inside out, rather than oven baking. The combination of materials and processes provides a minimum Corona Inception Voltage (CIV) up to 2000 volts peak with a rise time of 0.1 microseconds.

GE Motors

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Fort Wayne, IN 46802
800 541 7191
www.gemotors.com



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