



# GE Power Conversion LV AND MV MOTORS





**125** years moving the world

**100+** years building motors  
that move the world



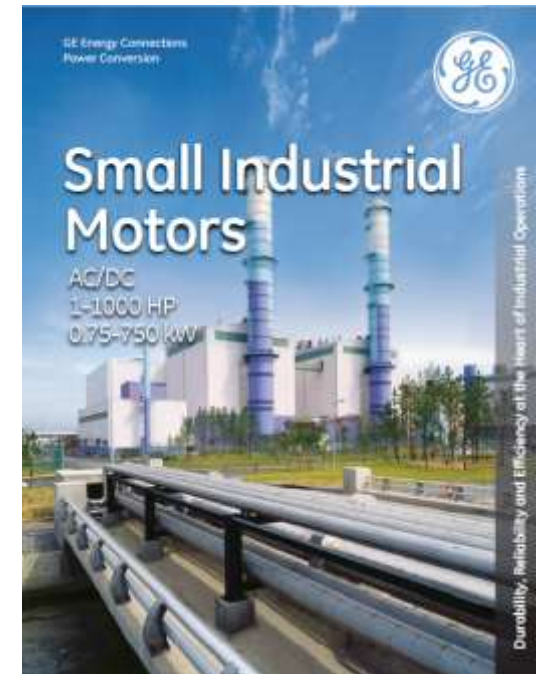
# 100+ years building motors

## Power Conversion Store

<https://pcstore.gepowerconversion.com/>

## Catalog online

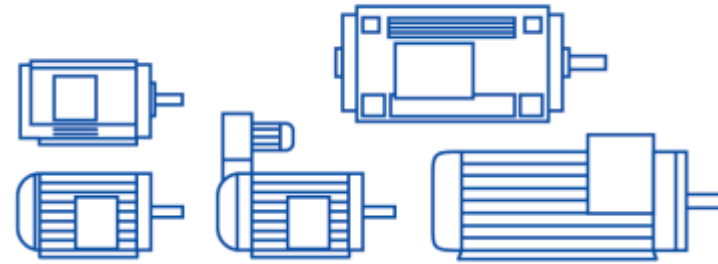
<https://gemotors.cld.bz/>



# LV and MV Motors platforms

## AC Horizontal

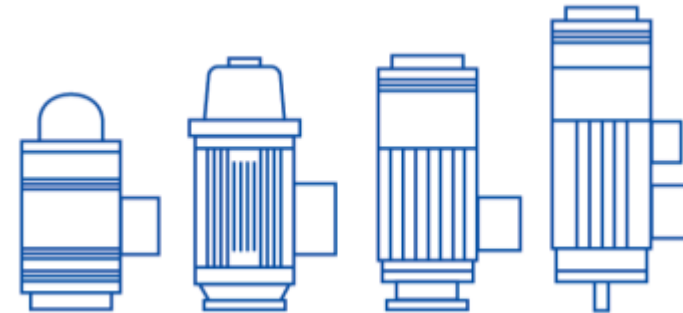
1-2500 HP  
230V - 6900V



➤ AC horizontal Families

## AC Vertical

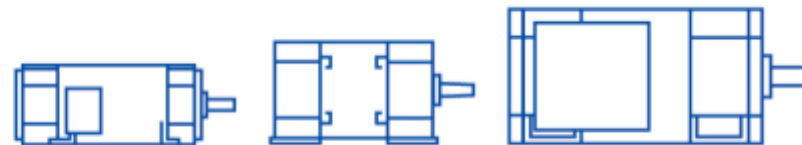
1-2500 HP  
230V - 6900V



➤ AC Vertical Families

## DC

1-3500 HP



➤ DC horizontal Families

 added MV capabilities to our Monterrey Facility in 2017



# GE Motors

## Standard/Catalog (Stock)



Extensive catalog of available **standard** motors up to 1000 hp



Readily available!



**Fast response team** with dedicated inside and outside sales and support engineers for your every request, from simple to project quotations, technical inquiries, PO placement, order management and delivery logistics

## Quick Custom (Smart model)

Take your **standard** motor and add features **and accessories**

1 week

## Full Custom (MTO)

**Tailored** to your needs - built to your specification

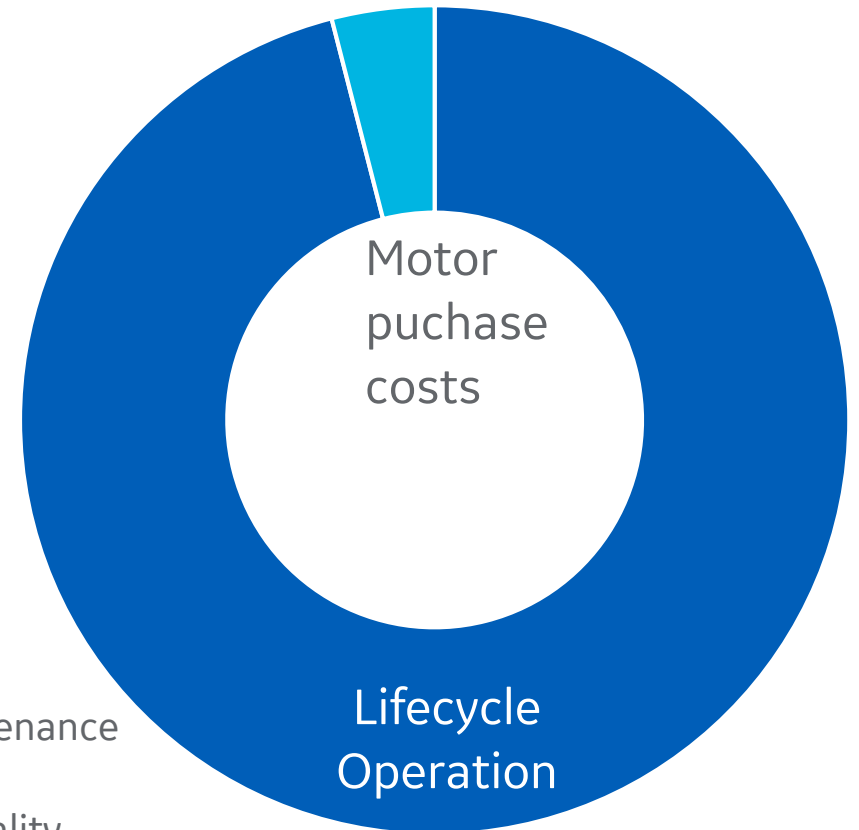
Starting at 4 weeks



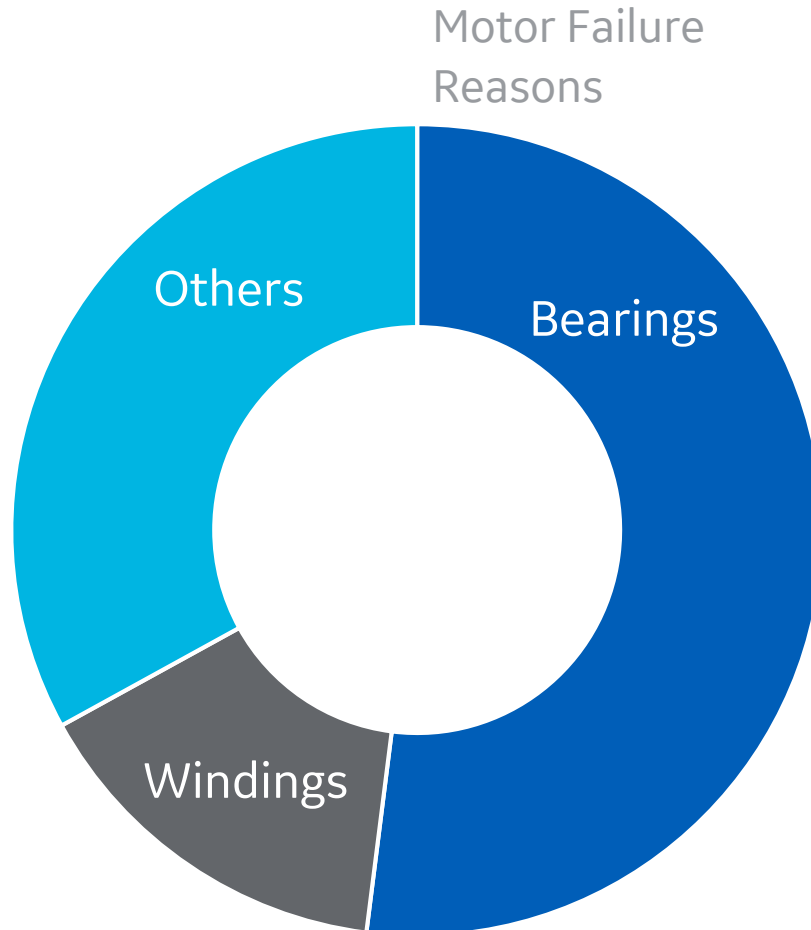
# Total Cost of Ownership

Electrical motors should matter to an industrial facility, they compose **65%** of electrical costs

Energy Consumption  
Efficiency  
Ease of Maintenance  
Reliability  
System Criticality  
Lifecycle  
Environmental Impact



# Application Considerations



## Bearings

- Heat
- Contamination
- Vibration
- Misalignment
- Lubrication Issues
- Electrical Discharge
- Stress, Load, Fatigue

## Stator windings

- Heat
- Load
- Inverters
- Contamination
- Voltage Issues



**Pumps**



**Compressors**



**Heat Exchangers**



**Blowers**



**Mixers**



**Conveyors**



**Crushers**

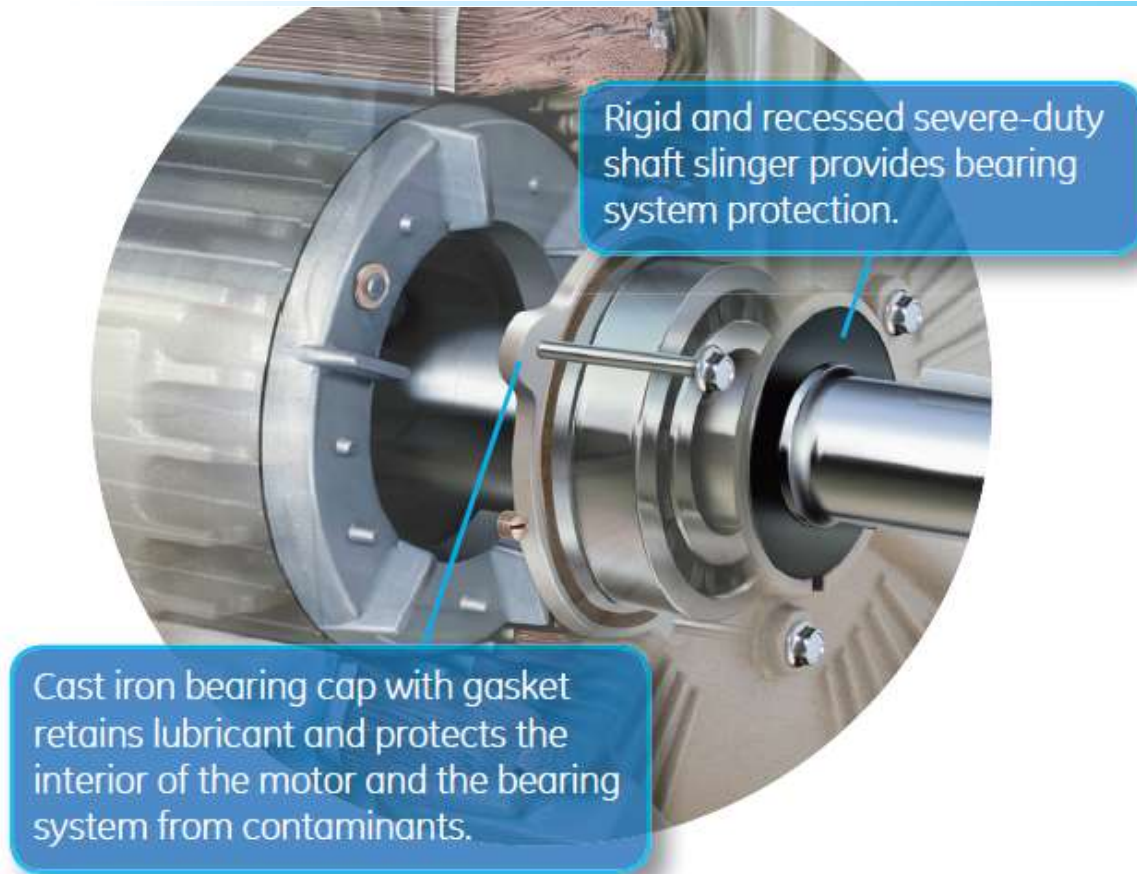


**Augers**

# GE Solutions

## Protecting critical componets

- 🔗 I want to know more about bearing protection
- 🔗 I want to know more about VFD operation



Insulated bearings



INPRO® seal



AEGIS® ring





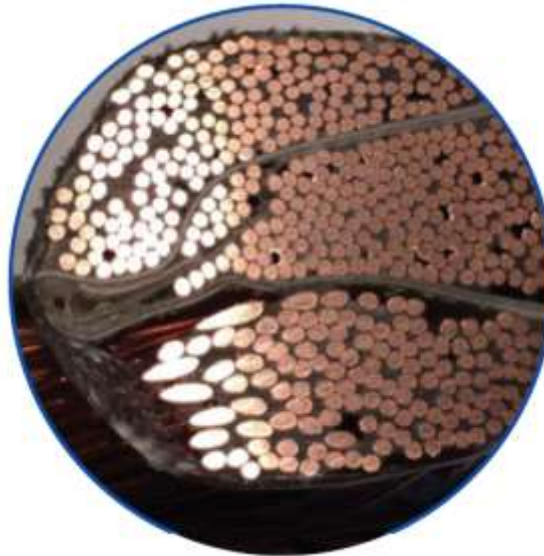
# GE Solutions

The trickle treat advantage



## Less Contamination

Moisture and contamination can't penetrate!



## Less Vibration

Creates a strong bond.  
Guards against end-turn vibration.



## Rotational Varnish Application

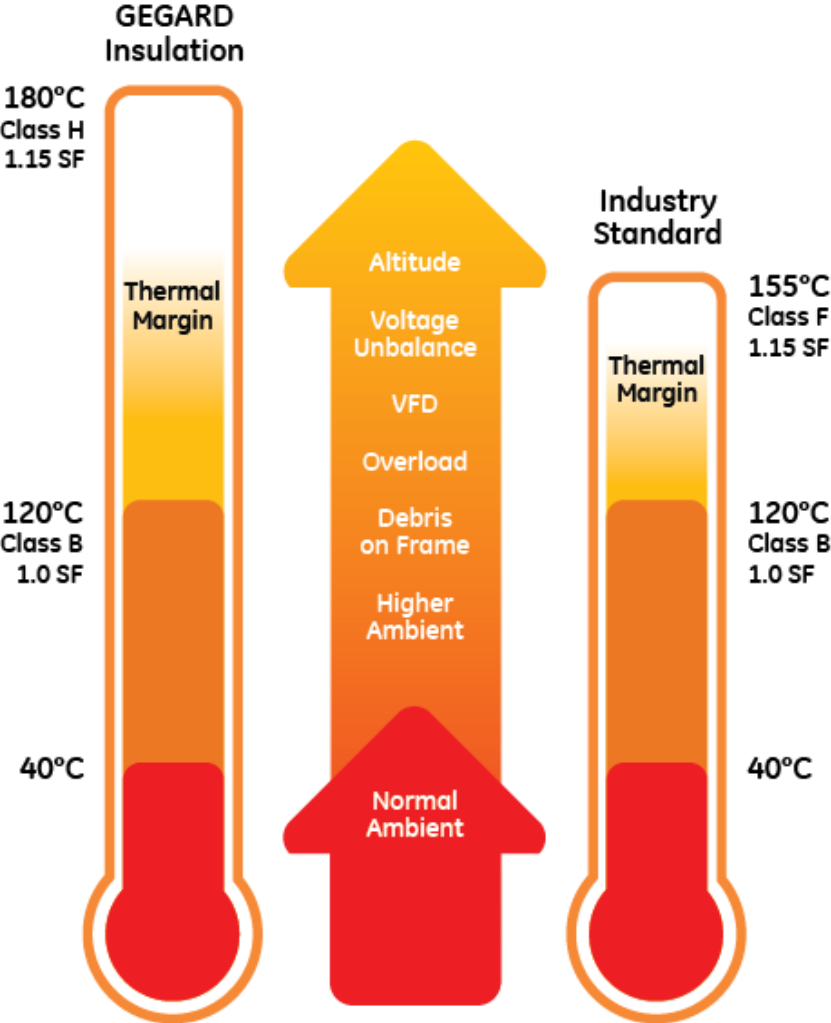
Even resin coverage.  
Less gaps.  
Helps prevent corona inception damage during operation.

# GE Solutions

More thermal margin = additional motor life



[I want to know more about VFD operation](#)



[I want to know more about thermal margins](#)



# Manufacturing and Service

Monterrey, Mexico

- Established 1995
- LV/MV AC and DC manufacturing
- ISO 9000 facility
- Numerous industry and internal awards



Virtual Plant Tour

Key Words “**Monterrey AC Capabilities**”



