



**GE INDUSTRIAL MOTORS**  
*a WOLONG company*

# XSDUltra<sup>®</sup>

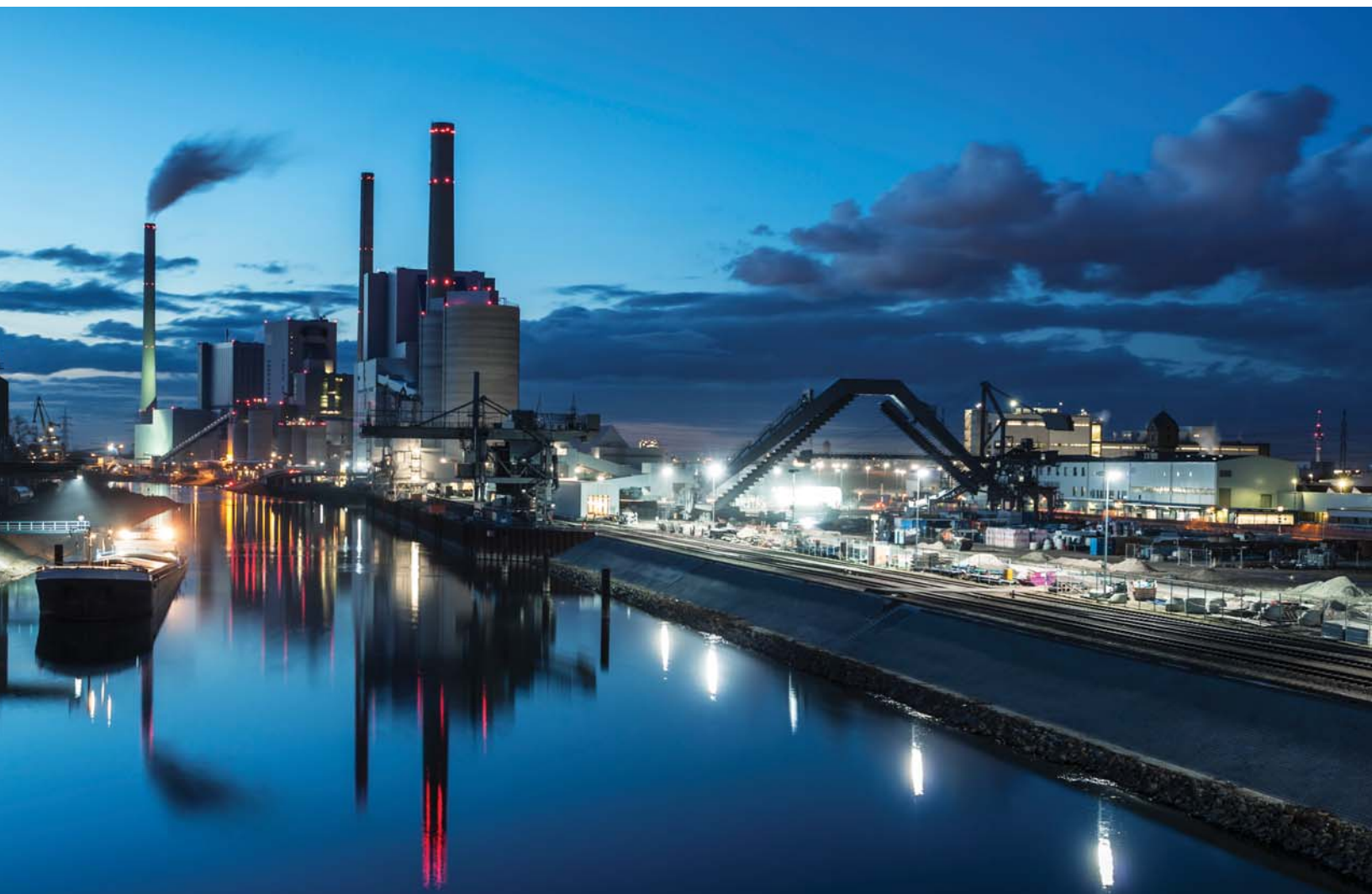
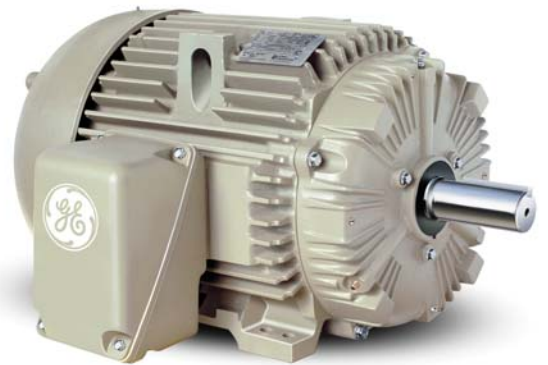
## Low Voltage Induction Motor

Extra Severe Duty NEMA Premium Efficient

143-449 Frame, 0.75-300 HP

230/460, 460, 575V

3 Phase, 60 Hz



# All premium efficient motors are not built the same.



## Reliability is built in.

Purchasing dependable electric motors is an investment in the reliability of your operations. And system reliability means serious money to your bottom line.

We've engineered motors to address all of the top factors that can shorten motor life:

### Bearings

Heat  
Stress, Load,  
Fatigue  
Vibration  
Misalignment  
Contamination  
Lubrication  
Electrical discharge

### Windings

Heat  
Inverters  
Voltage problems  
Load  
Contamination

## Key Features

**Five year warranty (60/66 months) is standard.** This comprehensive warranty program covers both mechanical and NEMA Premium efficiency performance.

ISO 1940 Grade 1.0 Precision Plus balance to 0.04 in/sec results in smooth, reliable operation and long bearing life.

Built for a long 130,000 hour L10 direct connected and 26,280 hour L10 belted bearing life without life adjusting factors.

Non-sparking corrosion resistant fan is quiet and energy efficient.

Four point cast-in lifting lugs for easy and safe mounting.

Centered stator core/frame design enables the conversion to F2 mounting.

Permanently labeled, non-wicking Class H leads make connections and installation easy.

Lead gasket and conduit box cover gasket prevent moisture and contaminants from entering motor.

Grounding terminal in conduit box adds to safety during installation and service.

Complete Test per MG1 Part 12 IEEE Standard 112, Test Method B on 2% of all production. Verification of compliance and routine test report supplied with every XSD Ultra motor.

Stock XSD Ultra motors can be UL listed, CSA listed, or GE self certified for Division 2 locations or modified to meet ATEX Zone 2 or CE requirements.





## GEGARD™ Insulation offers added protection.

Our Class H GEGARD insulation system is designed to excel in variable frequency drive applications where lesser designs often short circuit and cause overcurrent trips.



### Rotational Varnish Application

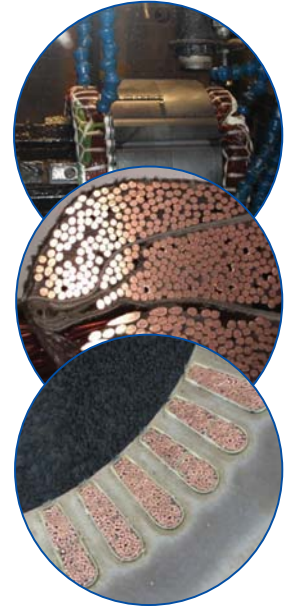
Even resin coverage.  
Less gaps (helps prevent corona inception damage).

### Strong Bond

Wire bonding guards against end-turn vibration.

### High Protection

Contaminants can't penetrate tightly bonded windings and slots.



Embossed 316 stainless steel nameplate stamped with complete operational and maintenance information.

Charged lube system with Polyurea grease decreases the potential for contaminants in the lubricant.

Rigid and recessed severe-duty shaft slinger provides bearing system protection. Field modifiable to a non-contact rotating seal on the drive-end.

Temperature resistant Polyurea bearing grease suitable for temperatures of -40 to +120° C.

Cast iron bearing cap with gasket retains lubricant and protects the interior of the motor and the bearing system from contaminants.

Stainless steel combination breather/drain allows condensation to escape.

Versatile dual mounting holes.

Fan covers (324-449 Frames) are secured with rugged axial mounting bolts.

Rugged cast iron frame, conduit box and fan cover.

Oversized gasketed conduit box helps to keep moisture out.

Corrosion resistant and rugged SAE Grade 5 hardware.

Epoxyester paint system stands up to corrosive environments and meets the IEEE 841 paint requirements.

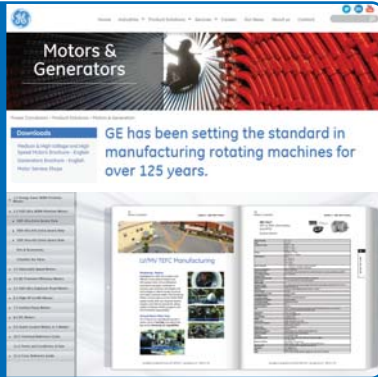
Finned end-shields (324-449 Frames) improve heat dissipation and extend bearing life.

Five point cast-in vibration probe mounting locations (four radial and one axial).

# Discover. Quote. Purchase.

## Website

The latest information  
on custom and standard  
rotating machines.



## e-Catalog

GE motors on your computer  
Auto-update online.  
Can be viewed offline.



"GE Motors"

## PC Store

Find a distributor.  
Download data packs.  
Access support library.



"GE Motor Store"

## Manufacturing

Monterrey, Mexico  
Employs over 500 people.  
ISO9000-2008 facility  
YouTube Virtual Tour



"Monterrey  
AC Capabilities"



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