



GE INDUSTRIAL MOTORS
a WOLONG company

Quantum[®] LMV

LV/MV Induction Motor

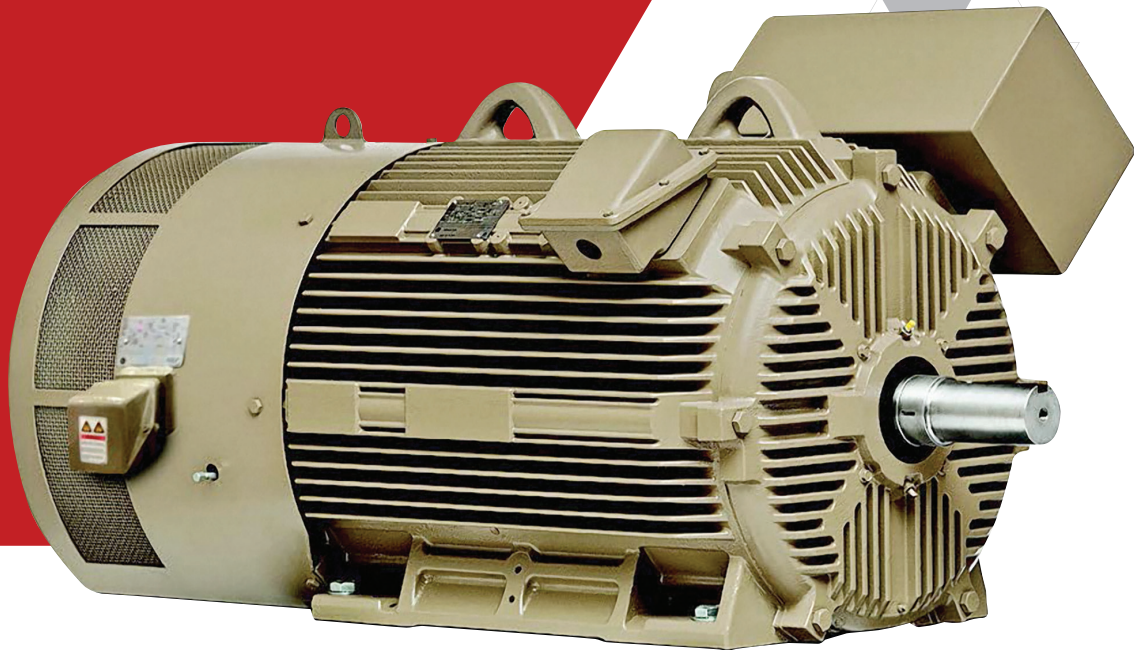
NEMA 500 Frame up to 800 HP

IEC 315 Frame up to 600 kW

230/460V, 460V, 575V

2300, 4000, 6600V

2-12 Pole



+1 (888) 525-2915
www.gemotorswolong.com

All induction motors are not built the same.



NEMA

Frame Size	60 Hz*	50 Hz*	Hp	Poles
509 - 5013	460V - 6900 V	380 V - 6600V	200 - 800	2 to 12

*Maximum power available determined by voltage and pole

IEC

Frame Size	60 Hz*	50 Hz*	kW	Poles
315L - 315D	460V - 6900 V	380 V - 6600V	150 - 600	2 to 12

*Maximum power available determined by voltage and pole

Purchasing dependable electric motors is an investment in the reliability of your operation, and system reliability means serious savings to your bottom line.

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

Bearings

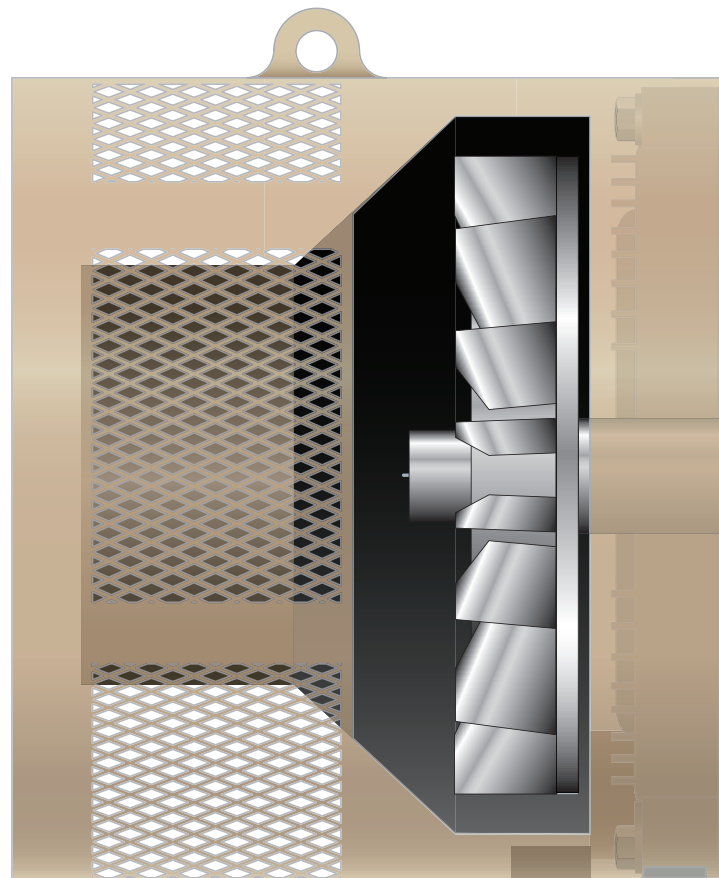
- Heat
- Stress, Fatigue
- Vibration
- Misalignment
- Contamination
- Lubrication
- Electrical discharge

Windings

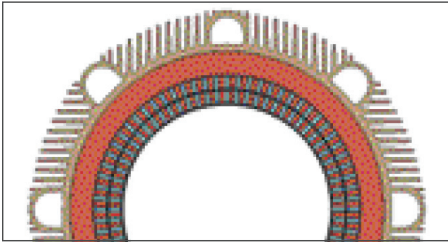
- Heat
- Inverters
- Voltage problems
- Load
- Contamination

Quantum LMV motors comply with the following standards and certifications:

NEMA, IEC, IEEE 841, CSA, API 547 and 541 Division 2 Zone 2 AEx nA

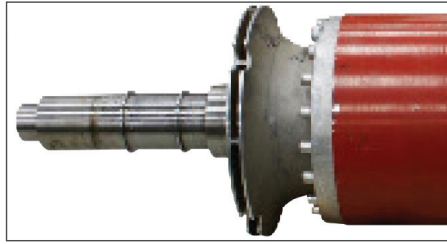


What makes Quantum better?



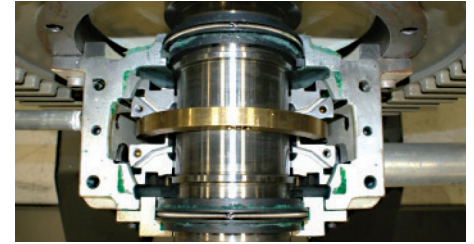
Unique Design

An internal frame air circuit with patented frame D-Ducts and trapezoidal rotor vents dramatically increases airflow for a cooler operating motor. This gives more flexibility in choosing frame sizes.



Inverter Duty Reliability

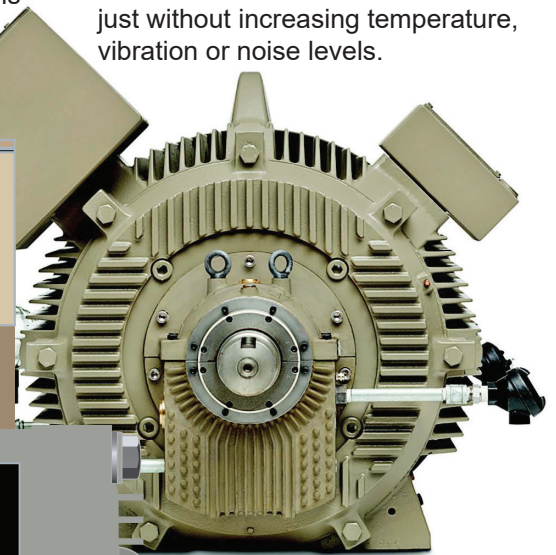
Optional Insulated bearings and drive end shaft grounding ring are optional. This minimizes the impact of harmful shaft voltages. A separate blower is available for constant torque applications.



Superior Bearings

Available self-aligning spherically seated sleeve bearings allow the motor to adapt to the best position for the load. The shaft is allowed to adjust without increasing temperature, vibration or noise levels.

Low vibration, increased power capacity, and start cycle safety achieved through a stiff frame and solid class 30 cast iron feet. Excels in extreme environments -400°C to 400°C.



An epoxy solvent-less resin vacuum pressure impregnation (VPI) process combines superior insulation materials into a complete system subjected to rigorous testing according to applicable IEEE, IEC, and NEMA standards.

Multiple oversized vents results in a low temperature rise. The rotor and internal fan are shrink-fit onto the shaft, meeting API specifications. Cast aluminum is standard, however fabricated copper bar is optional.

Self-aligning spherically seated sleeve bearings per DIN 31693 are an available option for all ratings (pictured). Ball bearings are standard. Roller bearings for severe belted applications are also available.

A wide range of standard motors.

These pre-engineered NEMA ratings offer reduced cycle times and stock level pricing to save you time and cost.

Quantum™ LMV Severe Duty 460, 575V			
HP	1200 RPM	1800 RPM	3600 RPM
300			
350			
400			
450			
500			
600			
700			

Quantum™ LMV Severe Duty 2300/4000V			
HP	1200 RPM	1800 RPM	3600 RPM
200			
250			
300			
350			
400			
450			
500			
600			
700			
800			

Quantum™ LMV with IEEE 841 Features 460, 575V			
HP	1200 RPM	1800 RPM	3600 RPM
300			
350			
400			
450			
500			

Quantum™ LMV with IEEE 841 Features 2300/4000V			
HP	1200 RPM	1800 RPM	3600 RPM
200			
250			
300			
350			
400			
450			
500			

Frames

509L/LL/LS
5011L/LL/LS
5013S/ST



GE INDUSTRIAL MOTORS
a **WOLONG** company



www.gemotorswolong.com

Quantum LMV, trademark of Wolong Electric America LLC.

NEMA Premium is a trademark of NEMA.

GE is a trademark of General Electric Company. Manufactured under trademark license.

©2020, Wolong Electric America LLC. All rights reserved

GEA30822 (4/2020)