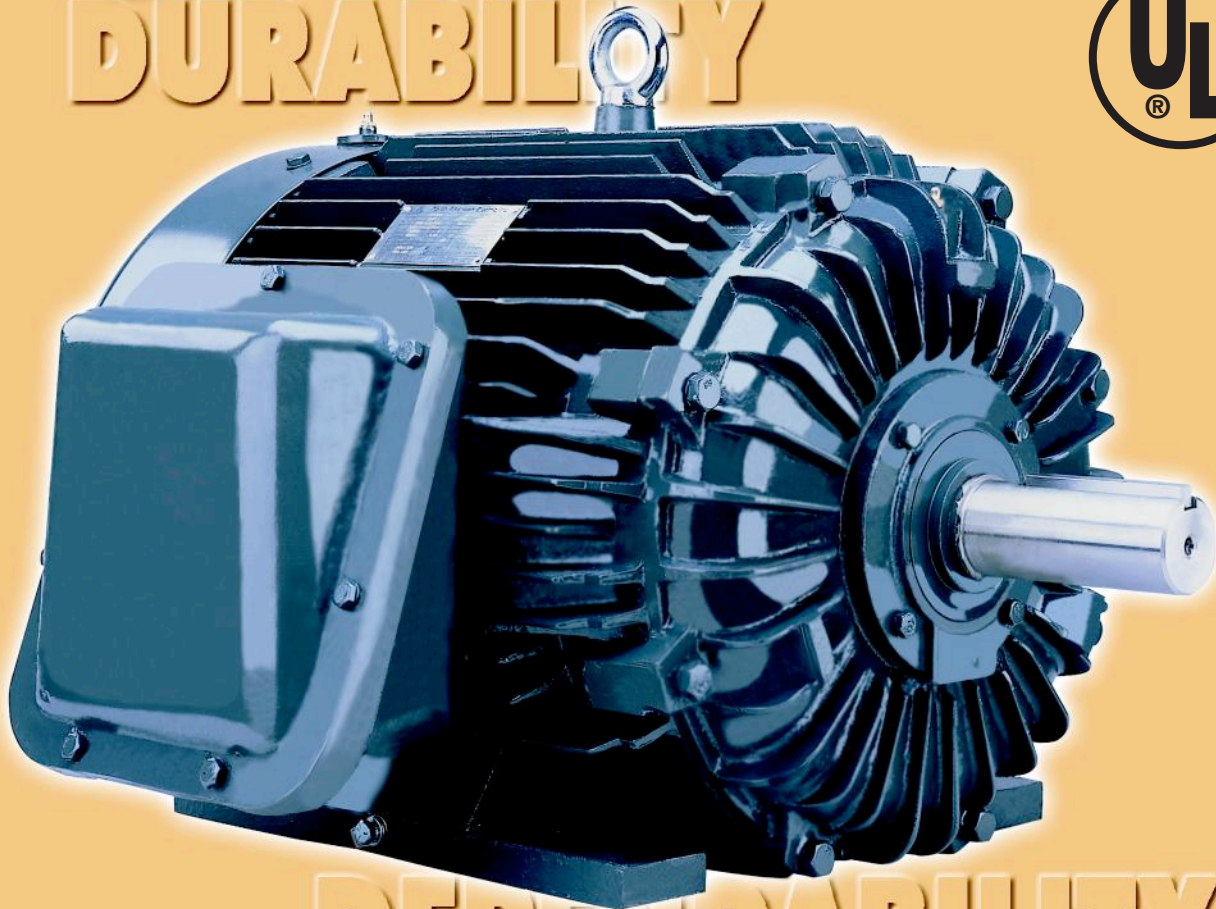


EXPLOSION PROOF MOTORS



North American Electric, Inc.

DURABILITY



DEPENDABILITY

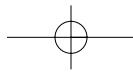
PERFORMANCE

Better product

More features

BEST value

QUALITY



Features

Benefits

NEMA Standard

All motors meet NEMA dimensions and meet or exceed NEMA performance standards.

Explosion Proof

All motors meet or exceed UL 674 specifications as required by OSHA. These requirements cover electric motors and generators for installation and use in hazardous (classified) locations, **Class I, Division I, Groups C & D and Class II, Division I, Groups E, F, and G**, in accordance with the National Electrical Code, NFPA 70.

Windings (Class F Insulation)

All motors have Class F (155 degree C.) insulation, with a Class B (80 degree C.) temperature rise. Motors with Class H (180 degree C.) insulation are available upon request.

Vacuum Pressure Impregnation

Only high quality polyester covered copper winding wire is used in conjunction with inorganic high pressure polyester varnish. The stators of all motors are varnished using "**Vacuum Pressure Impregnation**" (VPI) process for superior protection.

High Service Factor (1.15)

Low temp rise means high service factor (1.15)

High Efficiency

Top quality CSA + C + US materials for premium performance.

- High grade silicone electrical steel
- Generous high quality copper windings

Long Service Life

Rugged cast iron construction handles shock loads, corrosive environments and improves heat dissipation for cooler operation. Cast iron fan covers are available from stock for frames 143T to 445T.

High Overload Capacity

Starting and breakdown torques exceed NEMA standards, providing extra capacity for momentary high starting loads and running overloads.

Oversized Bearings

Largest bearings in the industry with the same bearing size on both ends of the motor. Frames 143T up to 215T utilize sealed bearings, frames 254T and above offer regreasable bearings.

Mounting Flexibility

Flexible design permits simple conversion (by authorized service center) to different assembly positions. All motors are suitable for both horizontal and vertical operation. Feet are double drilled for added flexibility

Corrosion Resistant Paint

All cast iron parts are cleaned and etch primed (polyvinyl butyral and epoxy) to 25 microns or more before machining. Aluminum parts are etch primed on external surfaces. Final top coat paint is an air drying enamel based on epoxy polymer resins to 25 microns or more. This is suitable for most aggressive environments.

Agency Approvals

UL Certified - File E228654
 CSA + "C" + "US" – Canadian Standards Association
 ISO9001 Certified

Two Year Warranty

All North American Electric products come with a Two Year Factory Warranty.

Data subject to change without notice.

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