



marathon™ Motors

Small Motor Rule EISA Expansion Compliance

SB585

Innovative Brands from Regal



EISA Expansion Decision Tree

Single-speed, induction motor?	NO
Rated for continuous duty operation or for duty type S1 (IEC)?	NO
Contains a squirrel-cage or cage (IEC) rotor?	NO
Operates on polyphase alternating current 60-hertz sinusoidal line power?	NO
Is rated 600 volts or less?	NO
Has a 2-, 4-, 6-, or 8-pole configuration?	NO
Has a three-digit NEMA frame size or an enclosed 56 NEMA frame size (or IEC metric equivalent)?	NO
Has no more than 500 horsepower, but greater than or equal to 1 horsepower (or kilowatt equivalent)?	NO
Meets the performance requirements of a NEMA Design	NO
A, B, or C or an IEC design N or H electric motor?	NO
WITHIN SCOPE OF EISA EXPANSION	

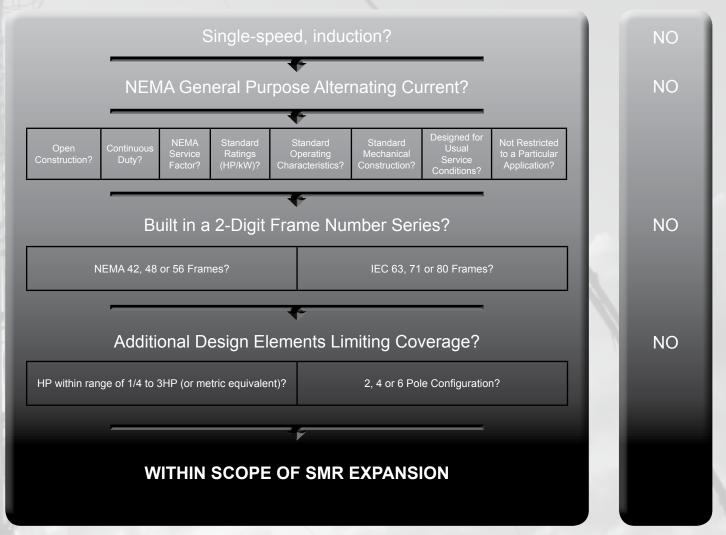
EXCLUSIONS

- Dual Speed, Multiple Speed
- ► Definite Purpose Inverter-Fed
- Air-Over
- Submersible
- Component Sets

- Liquid Cooled
- ▶ PMAC, SRAC, ECM
- Short-time or Intermittent
- ▶ NEMA 48 Frame and 56 Frame DP
- Below IEC 80 Frame

YES, for all lines = IN SCOPE OF SMR **NO**, to any line = OUT OF SMR SCOPE

Small Motor Rule Decision Tree



EXCLUSIONS

- Dual Speed, Multiple Speed
- Definite Purpose Inverter-Fed
- Definite or Special Purpose
- Air-Over and Blower motors
- Vertical Mounting
- Thrust/Sleeve Bearing
- Submersible & Immersible

- Component Sets & Partials
- Brake Motor
- Customer Defined Shaft/mtg.
- Liquid Cooled
- Encapsulated
- Double Shafts
- Close-Coupled Pump

- ► 56J and D Flange
- Pool Pump Mounting
- PSC, Shaded Pole, Split Phase, PMAC, SRAC, ECM
- Above NEMA Service Factor
- Intermittent Duty

"EISA Expansion"

Effective June 1, 2016 1-500HP General, Definite and Special Purpose Meet NEMA Table 12-12 Expands EISA2010 to include:

- 201-500HP
- 8 Pole Ratings
- Enclosed 56fr, IHP
- Non-Standard Shaft
- Vertical Hollow Shaft
- TENV

"Small Motor Rule"

Effective 3/9/2015 or 3/9/2017 for 3rd Party Listing or certified models General Purpose 2-digit frames (NEMA & IEC):

- 2, 4, 6 Pole
- 1⁄4 to 3 HP
- Polyphase and Capacitor Start Designs
- Open Construction
- Continuous Duty
- NEMA Service Factor

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