

2 SPEED, 1 WINDING, VARIABLE TORQUE



AECA, HIGH EFFICIENCY [CP]

Effective 07-08-18
Supersedes 03-24-17



APPLICATIONS:

- Fans & Blowers
- Pumps
- Cooling Towers

FEATURES:

- Output Range: 100 - 300 HP
- Speeds: 1800 / 900 RPM
- Enclosure: Totally Enclosed Fan Cooled (IP55)
- Voltage: 460V Only
- Three Phase, 60 Hz, 1.15 Service Factor (Continuous)
- Self-Certified for Class I, Div. 2, Groups B, C, D
- Class F Insulation
- Class B Temperature Rise
- NEMA Design B Torques as a Minimum
- Cast Iron Frame, End Brackets, Fan Cover and Main Conduit Box⁽⁴⁾
- Grounding Terminal Inside Main Conduit Box with additional Foot Grounding Provision
- Oversized Main Conduit Box Rotatable in 90 Degree Increments - F1 Mounted
- Designed for 40°C Ambient Temperature⁽¹⁾
- Designed for 3300 ft. Elevation⁽²⁾
- Bi-Directional Rotation
- 1045 Carbon Steel Shaft
- Aluminum Die Cast Squirrel Cage Rotor Construction
- Paint System: 2 Part Epoxy
- Paint Color: Dark Gray - Munsell 7.5B 3.5/0.5
- Epoxy Coated Internals
- High Quality Ball (or Roller) Bearings Regreasable with Mobil Polyrex™ EM
- Automatic Grease Discharge Fittings
- Stainless Steel Nameplate and Hardware
- Stainless Steel Automatic Breather Drain
- 6 Leads Only
- Noise Level Not to Exceed 85 dB(A) at 1 Meter Unloaded
- 2 Speed, 1 Winding - Variable Torque
- High Efficiency, Severe Duty

EXTRAS/ OPTIONS:

- Please refer to pages 147 - 154 for common modifications that can be performed.

Notes:

- (1) Please consult factory for suitability in higher ambients.
- (2) Please consult factory for suitability in higher elevations.
- (3) Additional charge for Division II nameplate - see Factory Modifications Pricing.
- (4) Catalog# CP3004/8 (F#5009B) will have steel fan cover.
- (5) Multi-speed motors are exempt from (DOE) Department of Energy premium efficiency requirements.