

# 2 SPEED, 1 WINDING, VARIABLE TORQUE



Effective 08-01-11  
Supersedes 12-01-09

## TYPE AECA



### APPLICATIONS:

- Fans & Blowers
- Pumps
- Cooling Towers

### FEATURES:

- 100 - 300 hp
- 1800/ 900 RPM
- 2 Speed, 1 Winding - Variable Torque
- Totally Enclosed Fan Cooled (IP55)
- High Efficiency Severe Duty
- 36 Month Warranty from Date of Manufacture
- 60 Hz, 460 Volt Only
- 1.15 Service Factor - Continuous
- Class F Insulation with Phenolic Alkyd Resin Varnish - Two Dips and Bakes
- Class B Temperature Rise
- NEMA Design B Torques as a Minimum
- Oversized Main Conduit Box Rotatable in 90 Degree Increments - Fully Gasketed with NPT Threaded Entrance - F1 Mounted. F2 Available - See EXTRAS/ OPTIONS Below
- Designed for 40°C Ambient Temperature - Note (1)
- Designed for 3300 ft. Elevation - Note (2)
- Self-Certified for Class 1, Div. 2, Groups B, C, D; Temp Code T3C, Non Sparking, Non Static Fan - Note (3)
- Bidirectional Rotation
- Cast Iron Frame, End Brackets, Fan Cover, and Main Conduit Box (4)
- Dual Drilled Feet - Longer Frames
- 1045 Carbon Steel Shaft
- Aluminum Die Cast Squirrel Cage Rotor Construction
- Paint System: 2 Part Epoxy
- Paint Color: Blue Gray - Munsell 7.5BG 4/ 2
- Epoxy Coated Internals
- Vacuum De-Gassed Re-Greasable Bearings with Polyrex EM Grease
- Automatic Grease Discharge on Frames on Re-Greasable Motors
- Grounding Terminal Inside Main Box with Provisions for Grounding on Frame.
- 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
- Precautions should be taken to eliminate or reduce shaft currents that may be imposed on the motor by the VFD as stated per NEMA MG1; Part 31.4.4.3.

### EXTRAS/ OPTIONS:

Please [click here](#) for a list of 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 Modification Pricing.
- (4) 5000 frames will have a steel fan cover.