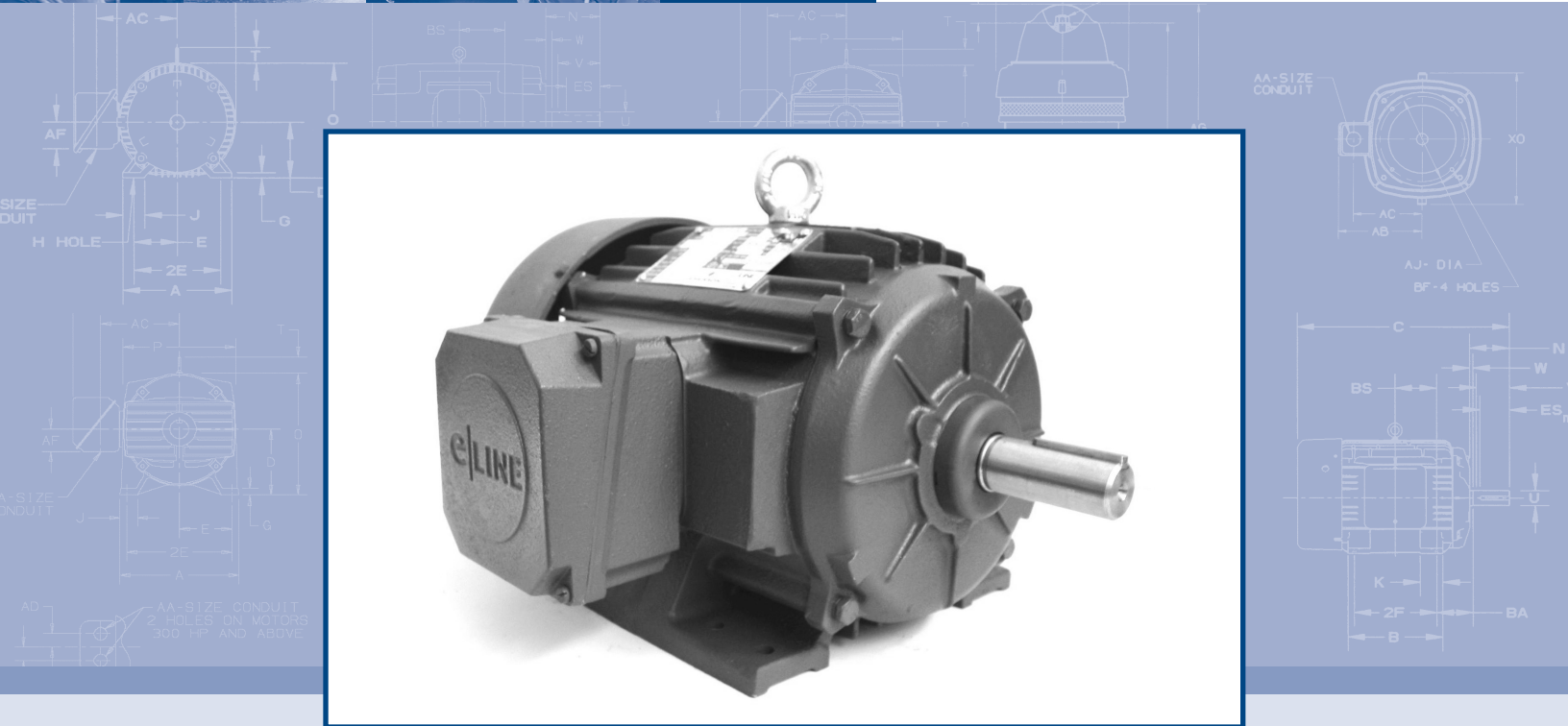




Product Data Sheet

e-LINE® A.C. Motors
Totally Enclosed Fan Cooled
Type ELT

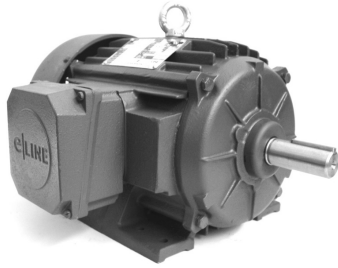


- e-LINE® Brand Totally Enclosed Fan Cooled Motors
- All Cast Iron Construction
- 1 to 250 Horsepower, 3600, 1800 and 1200 rpm
- 208-230/460 Volt and 575 Volt ratings in stock
- T-frame and C-face ratings in stock
- 1.15 to 1.40 Service Factors
- Class F Insulation with Class B Temperature Rise at Full Load
- Energy Efficient that meet CSA – C390 and DOE (Cert # CC CC030A/CC050A)
- IP – 55 Enclosure Protection
- Vacuum Pressure Impregnation (VPI) Varnish System



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Product Overview

e-LINE® motors are designed with the users in mind. They include the features users demand most in a quality motor: Protection, Flexibility and Agency Approvals.

1. Protection – encloses and protects the internal components of the motor
2. Mounting Flexibility – mounts in many different configurations
3. Electrical Flexibility – operates on various electrical supply systems
4. Application Flexibility – features that extend the use of the motor
5. Agency Approvals – exports anywhere

Protection

The e-LINE brand TEFC motor integrates a complete package of protection features that provide the motor an IP-55 enclosure, including:

- Cast Iron Frame and End Shields
- Cast Iron Fan Cover Guard
- Cast Iron Conduit Box
- V-ring shaft seal with an umbrella seal over the top of the v-ring
- Zinc Coated Hardware
- Stainless Steel Nameplate
- Chemical Resistant Paint
- Double Shielded Bearings though 280 frame
- Open Bearings 320 to 440 frame
- Vacuum Pressure Impregnated Insulation (VPI)

Mounting Flexibility

The motors are designed and stocked with mounting flexibility in mind. e-LINE® motors are stocked in T-frame and C-face footed mountings. C-face kits are also available for field conversion. F1 to F2 field convertible on all frames. 140 to 440 frames have eight mounting holes for mounting flexibility.

Electrical Flexibility

e-LINE motors are stocked in three voltage combinations, 208-230/460, 460 and 575 volt. Full 50HZ and 60HZ data is printed on the nameplate with every motor. 50HZ operation at full nameplate HP without derating. Other voltage and frequency re-rating data are provided online at www.e-linemotors.com. Wye start – Delta Run suitable on 210 frame and larger.

Application Flexibility

Many features are included to enhance and expand the applications for e-LINE brand motors. Those features include:

- Inverter Capable Insulation System
10:1 Variable Torque, 4:1 Constant Torque
- 1.15 to 1.40 Service Factor
- "C" Design torque on many ratings
- Class 'F' Insulation with Class 'B' rise

Agency Approvals

e-LINE motors are suitable for export and installation the world over. Agency approvals include CE for Europe, CSA for the USA and Canada as well as CSA C390, US Department of Energy (DOE) CC030A/CC050A, and UL component recognition on 1 to 30 HP, pending on 40 to 250 HP.

Emerson Motor Technologies, a global leader in the design and manufacture of electrical motors, provides a complete line of general and special purpose electric motors from 1/200 through 5,000 horsepower. Brands such Emerson®, e-LINE®, U.S. Motors®, Hurst®, and Doerr® allow Emerson to support a wide variety of applications including commercial and industrial, appliance, hermetic, automotive, and HVAC. For more information about Emerson visit www.emersonmotors.com or www.usmotors.com or contact Emerson at (888) 637-7333. Emerson (NYSE:EMR) based in St. Louis, is a global leader in bringing technology and engineering together to provide innovative solutions to customers through its network power, process management, industrial automation, climate technologies, appliance and tools business. Sales in fiscal 2005 were \$17.3 billion. For more information, www.gotoemerson.com.

Emerson Motor Co.
8100 West Florissant Ave.
St. Louis, MO 63136
Phone: 888 637 7333
Fax: 314 553 2087
www.e-linemotors.com

