

Industrial Premium Efficiency AC Motor

This high-performance electric motor is designed for industrial applications requiring premium efficiency. It features robust construction and an optimized cooling system for continuous operation under demanding loads.



Product Overview

Industrial Premium Efficiency AC Motor

This industrial-grade AC motor is engineered for high performance in demanding applications, offering premium efficiency ratings that meet strict NEMA standards. Featuring a robust cast iron construction and IP55 TEFC enclosure, it ensures reliability and longevity in harsh environments. Designed for versatility, it supports bi-directional rotation and offers multiple mounting and design options to fit various mechanical loads.

Key Performance Metrics

Operating Performance

1.15

Service Factor

40 °C

Ambient Temperature

3300 Feet

Rated Altitude

Electrical Specifications

Electrical Parameters

Feature	Detail
Phases	3 Phase
Frequency	60 Hz
Voltage Options	208-230/460V, 460V, 575V
Insulation Class	Class F
Temperature Rise	Class B

Construction & Design

Frame Sizes

- 143T - 447T (1045 Carbon Steel Shaft)
- 449T - 586/7T(UZ) (Alloy Steel Shaft)

Design Standards

TEFC (IP55), NEMA Design B, Cast Iron Frame, Bi-directional Rotation, VPI Varnished

Protection & Compliance

Efficiency Certifications

NEMA MG1 Table 12-12 • NEMA MG1 Table 12-11