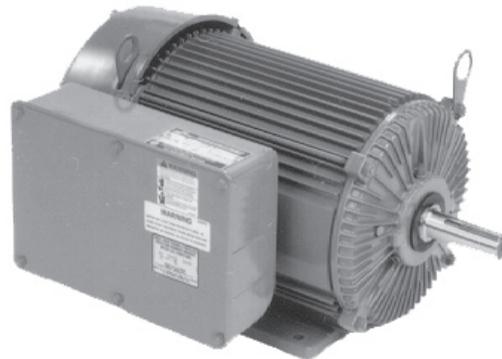




Farm Duty Motor Product Groups:

- Agri Duty Motors
- Ultra High Torque Motors
- Vertical Pump Motors
- Aeration Fan Motors
- Crop Dryer Motors
- Auger Duty Motors
- Farm Fan Motors
- Hatcher & Setter Motors
- Washdown Motors



Product Overview

Emerson offers Farm Duty motors to handle the special heavy duty applications of the agricultural market. Designed for use in farm and agricultural applications, such as crop dryers, exhaust fans, poultry and livestock auger drive systems, barn cleaners, manure pumps, silo unloaders and more.

Agri Duty Motor

Emerson's Agri Duty Motor is used for powering agitators, augers, compressors, surveyors, feeder, hay hoist, grinders, blowers and other farm applications.



Features

- Class B or F insulation
- Shaft slinger
- Manual reset thermal overload protector
- Continuous duty
- Capacitor start
- Fully gasketed, reversible
- 1.15 service factor through 1 HP
- 1/3 to 10 HP
- Single phase footed
- Single phase C-face footless
- Three phase footed

Vertical Motors

Designed for use on turbine, mix flow and propeller pumps for the agriculture, turf, municipal and industrial markets.



Features

- Three Phase, 60 Hertz
- WPI, WP11, TEFC and Explosionproof
- 3 through 4000 HP
- 2, 4, 6, 8, 10, 12, 14 Poles
- 182 through 6810 frame
- Designed for high or normal thrust
- Vertical Hollowshaft and Vertical Solid Shaft

Ultra High Torque Motor

Emerson's Ultra High Torque Motor is designed for starting torque loads (typical starting torque: 300 - 400% of full load). Typical applications include barn cleaners, manure pumps, silo unloaders, stock feeders and other heavy duty farm equipment.



Features

- Class F insulation
- Shaft slinger
- Manual reset thermal overload protector
- Fully gasketed, reversible
- Continuous duty with 1.15 service factor
- 1 to 10 HP
- Single phase footed
- Single phase c-face



Product Overview

Aeration Fan Motor

Emerson's Aeration Fan Motor are used for powering aeration fans in farm grain storage environments.



Features

- Class B insulation on 56Z frame
- Class F insulation on 143 frame
- Keyed shaft drilled on center 1 inch deep and tapped 1/4 inch UNC
- Automatic Reset Thermal Overload Protector
- Totally enclosed air over, and reversible
- 1.0 service factor

Crop Dryer Motor

Emerson's Crop Dryer Motor is used on vane axial crop dryers with air over applications, and where the fan is mounted directly on the motor shaft.



Features

- Class F insulation
- Thermostat protected
- Nonstandard 1- 1/8 inch dia x 3-1/4 inch long keyed shaft is drilled on center 1 inch deep and tapped 1/4 20 UNC
- Special service factor
- Reversible
- 5 - 7 through 10 - 12 HP

Auger Duty Motor

Emerson's Auger Duty Motor is designed for use on unit heaters.



Features

- Class B insulation
- Manual reset thermal overload protector
- Reversible rotation
- Cap Start & Split Phase options
- 1/8 to 1.5 HP

Farm Fan Motors

Emerson's Farm Fan Motors are designed for use in exhaust and poultry fans, air circulators, and other direct drive fans used in poultry and livestock houses.



Features

- Class A or B insulation
- Single phase or three phase options
- Totally Enclosed Non-Ventilated options
- 1/4 HP to 1.5 HP

Hatcher & Setter Motors

Emerson's Hatcher & Setter Motor are designed for use in poultry hatcheries.



Features

- Class B insulation
- Totally Enclosed Air Over
- Permanent Split Capacitor
- 1/4, 1/3 and 1/2 HP



Emerson, 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 as Emerson®, U.S. Motors® and Hurst® allow Emerson to support a wide variety of applications including commercial and industrial, appliance, hermetic, automotive, and HVAC. 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, and appliance and tools businesses.

Washdown Motors

Emerson carries a wide range of washdown products including painted, paintfree, stainless steel and pedestal fans. Emerson's easy to clean washdown motors are designed to meet requirements for food processing, canners, meat packers, bakeries, dairies and more



Features

- Class F insulation
- Single phase & three phase options
- Totally Enclosed Air Over and Totally Enclosed Non-Ventilated and totally Enclosed Fan Cooled Option
- Rigid Base, C-face footed, C-face footles or yoke mounts available
- 1/4 to 10 HP

Emerson stocks many additional general purpose and specific purpose motors for use on furnaces, heaters, air compressors and other applications. For more information, contact your Emerson representative or simply call 1-888-637-7333.



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