



*Superior performance.
High efficiency.
Broad selection.*

Trust Emerson to have the motor you need for your agricultural application.

Emerson. A name you can count on for agricultural duty motors.

- A broad product offering, covering a wide variety of agricultural applications
- Motors from 1/4 to 10 horsepower, general purpose 3-phase motors available up to 500 horsepower
- Single and three phase, with a wide range of speeds and all standard voltages
- Totally enclosed air over and totally enclosed fan cooled options, plus open dripproof
- Thermal overload protection available when required by application — both manual reset and automatic reset
- Easy-to-use eBusiness website with detailed engineering data for each motor rating

When it comes to motors for use in your farm, dairy, agricultural, horticultural and aquacultural applications, there's only one name you need to know: Emerson®. Our motors are built for performance, efficiency and longevity — three benefits that are vital to your business. Emerson offers one of the broadest selections of ag duty motors in the industry...motors for virtually any agricultural application including:

Bin Loading and Unloading Systems

- Center drive auger
- Top drive auger
- Horizontal power head
- Bucket elevators

Grain Aeration and Conditioning

- Van axial fans
- Centrifugal fans
- Inline centrifugal fans
- Heaters

Material Handling

- Chain conveyors
- Bucket elevators
- Drag conveyors
- Pit conveyors
- Feed delivery systems

Ventilation

- Poultry house vent fans
- Pit vent fans
- Livestock house fans
- Greenhouses
- Direct and belt drive fans
- Curtain motors
- Hatcher and setter motors
- Crop dryers

Additional Applications

- Agitators
- Compressors
- Hay hoists
- Barn cleaners
- Silo unloaders
- Irrigation
- Transfer pumps
- Pressure washers



EMERSON™
Motor Technologies

www.emersonmotors.com



Agri Duty Motors

Used for powering agitators, augers, compressors, conveyors, feeders, hay hoists, grinders, blowers and other farm applications.

- 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

Ultra High Torque Motors

Used for starting torque loads (typical starting torque: 300 - 400% of full load). Applications include barn cleaners, manure pumps, silo unloaders, stock feeders and other heavy duty farm equipment.

- 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

Vertical Pump Motors

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

- 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

Aeration Fan Motors

Used for powering aeration fans in farm grain storage environments.

- 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 Motors

Used on van axial crop dryers with air over applications, and where the fan is mounted directly on the motor shaft.

- 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 Motors

Used for feeders.

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

Farm Fan Motors

Used in exhaust and poultry fans, air circulators, and other direct drive fans used in poultry and livestock houses.

- 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

Used in poultry hatcheries.

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

Washdown Motors

Meets the requirements for food processing applications such as dairies, meat packers, and more.

- 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 footless or yoke mounts available
- 1/4 to 10 HP



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