

A.C. Farm Duty Motors



Product Overview

Nidec Motor Corporation offers U.S. MOTORS® Farm Duty motors to handle the special heavy duty applications of the agricultural market.

Designed for use in applications, such as crop dryers, exhaust fans, poultry and livestock auger drive systems, barn cleaners, manure pumps, silo unloaders and more.

Agri Duty Motor

The U.S. MOTORS® brand 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



Ultra High Torque Motor

U.S. MOTORS® brand Ultra High Torque Motors are 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 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



Aeration Fan Motor

These Aeration Fan Motors 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



Auger Duty Motor

Auger Duty Motors are 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



Crop Dryer Motor

Crop Dryer Motors are 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

Farm Fan Motor

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 Motor

Hatcher & Setter Motors 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



Washdown Motor

Nidec Motor Corporation carries a wide range of U.S. MOTORS® brand washdown products including painted, paintfree, stainless steel and pedestal fans. These easy to clean washdown motors are designed to meet requirements for food processing, canners, meat packers, bakeries, dairies and more.

Features

- Class F insulation
- 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
- Single phase & three phase options
- 1/4 to 10 HP



† All marks shown within this document are properties of their respective owners.
For more information about the U.S. MOTORS brand, visit www.usmotors.com.

Nidec Motor Corporation, © 2019; All Rights Reserved. U.S. MOTORS® is a registered trademark of Nidec Motor Corporation.
Nidec Motor Corporation trademarks followed by the ® symbol are registered with the U.S. Patent and Trademark Office.

Nidec

NIDEC MOTOR CORPORATION

8050 W. Florissant Avenue | St. Louis, MO 63136
Phone: 888-637-7333 | Fax: 866-422-7758