

AGRICULTURE INDUSTRY



Nidec manufactures reliable, energy-efficient replacement motors for the Agriculture Industry.

Electric motor reliability is key to smooth-running operations on any farm. Farm duty motors are designed for applications requiring high starting torque and moderate starting current.

Nidec Motor Corporation offers U.S. MOTORS® Farm Duty motors to handle the special heavy duty applications of the agricultural market such as crop dryers, exhaust fans, poultry and livestock auger drive systems, barn cleaners, manure pumps, silo unloaders and more.

Looking for direct replacement motors? Look no further. The U.S. MOTORS line offers an extensive portfolio of replacements and we have the tools—both eBusiness, and motor specifications and technical data—to connect you with the right motor quickly at www.usmotors.com/OnLine-Catalog.aspx:

- Competitive cross reference tools
 - More than 50,000 cross references by competitor or OEM catalog and model numbers.
- eCatalog search tool (search by ID, features or applications)
- Online chat
- Dimension prints
- Nameplate data
- 3D models
- Performance data
- Wiring diagrams
- Installation and maintenance manuals



The U.S. MOTORS line of products, as well as a full complement of production and facilities maintenance solutions, is available locally and throughout the world:

- On hand inventory at local distributors
- Authorized service stations—warranty and repair

If you have questions, e-mail us at FacilityMRO@nidec-motor.com

Agriculture Industry

Facilities Maintenance Electric Motor Guide



Rely on U.S.™



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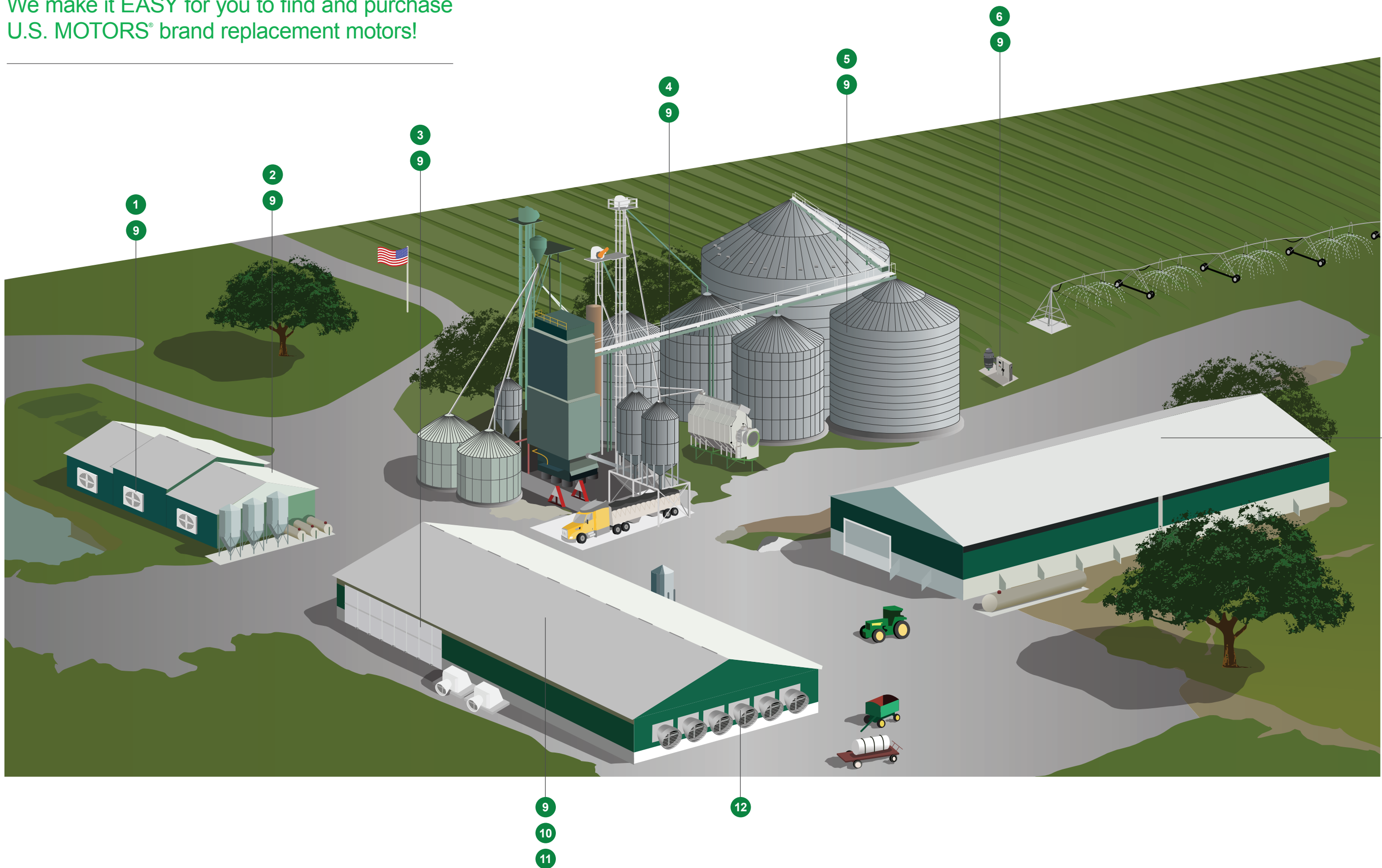
www.usmotors.com

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NIDEC MOTOR CORPORATION

We make it EASY for you to find and purchase
U.S. MOTORS® brand replacement motors!



Product Overview

1 Direct Drive Ventilation Fan

- Single or Three Phase
- TEAO Enclosure except where noted
- 1/2 to 1.5 HP
- 900 – 1800 RPM
- 48Y, 48YZ, 56Z, 56YZ, and 184TCH Frame



2 Auger Duty

- TEFC (except where noted)
- Capacitor Start, Split Phase, and Three Phase
- 1/3 – 1.5 HP
- 1800 RPM
- 56Y and 56YZ Frame
- Manual Reset Thermal Overload Protector



3 Curtain and Conveyor Gearmotor Applications

- TEFC & TENV
- 1/80 – 1/4 HP
- 10 – 350 in-lbs
- 1.3 – 400 rpm
- Split phase and capacitor start
- Thermal overload protection



4 Aeration Fan and Crop Dryer

- Aeration Fan**
- TEAO, Cap Start
 - 1/2 – 3 HP
 - 3600 RPM
 - 48, 56Z, and 143TZ Frame
 - Thermostat Protected
 - Rodent Screens



- Crop Dryer**
- ODP Air Over, Cap Start
 - 5 – 7, 7.5 – 9, 10 – 12 HP
 - 3600 RPM
 - 184TZ and 215TZ Frame

5 High-Torque Agri-Duty Grain System

- Single Phase, TEFC
- Capacitor Start-Cap Run
- Footed, C-Face Footed, or C-Face Footless
- 1/3 – 10 HP
- 1725 – 1800 RPM
- 56 – 215 Frame
- High Torque
- Manual Reset Thermal Overload Protector



6 Irrigation

- Vertical HOLLOSHAFT® High Thrust Motor**
- 7.5 to 600 HP
- VFD Pump Panel**
- 30 to 600 HP



7 General Purpose

- Three Phase, TEFC
- 1 – 30 HP
- 1800 RPM
- 143T – 286T Frame
- Unimount
- Hostile Duty



8 Air Compressor

- Single Phase, ODP
- 1 – 7.5 HP
- 3600 and 1800 RPM
- 56, 56HZ, 184T Frame
- High Breakdown Torque
- Manual Reset Thermal Overload Protector



9 Variable Frequency Drives

- Single or Three Phase
- 1/8 – 650 HP 110% Overload
- 1/8 – 500 HP 150% Overload
- 115, 230, 460, and 575 Volt
- IP00, IP20, NEMA 1 / IP20 & IP50, NEMA 4x / IP65, CHASSIS / IP20, NEMA 3R Panel



10 Hatcher/Setter

- TEAO
- Permanent Split Capacitor
- 1/2 HP
- 1800 RPM
- 48YZ Frame
- Manual Reset Thermal Protector Overload



11 Direct Drive Circulator Fan

- Single Phase
- Yoke Mount, Welded Tab
- 1/4 – 1/2 HP
- 825/1, 1075/2, and 1100/2 RPM Spds
- 48Y and 48YZ Frame
- Auto Reset Thermal Overload Protection



12 Agri-Duty Belt Drive Vent Fan

- Single or Three Phase
- TEAO
- 1/2 – 1.5 HP
- 1725 – 1800 RPM
- 56 and 56H Frame
- Split Phase and Capacitor Start
- Auto Reset Thermal Overload Protector



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^{*}For details, refer to: www.usmotors.com