

# Farm Duty Motors

## FM & FD Series

Single-phase fractional and integral motors for agricultural applications

WorldWide Electric's Farm Duty Motors feature a high torque, robust design that has been field-tested to handle the rigors of tough starts and stops, frequent use, always-on applications, and other common agricultural challenges.

All Farm Duty motors feature Totally Enclosed Fan Cooled (TEFC) enclosures suitable for indoor or outdoor protection. They are available with Rigid Base or C-Face with feet, high torque, Class F insulation, a 1.15 service factor, and a manual overload.



Fractional FD Series



Integral FM Series

## Quick Specs & Features

- Output: 1/3 - 2 hp (Fractional), 2 - 10 hp (Integral)
- Speed: 1800 rpm
- Frequency: 60 Hz
- Voltage: 115/230 Volts (Fractional), 230 Volt (Integral)
- Service Factor: 1.15 SF



**Responsive**  
Service & Technical Support



**Quality Products**  
Competitive Pricing



**In Stock Availability**  
Warehouses Nationwide



**Fast Shipping**  
Same-Day Available

## Model Number Selection

### Sample Part Number: FD7.5-18-184T

Each model number contains the product family, horsepower, rpm, and frame size. Ratings for hp with a decimal will carry a decimal to the model number, i.e. 1.5 hp becomes **FD7.5-18-184T**. Ratings for hp listed in fractions will drop the slash, i.e. 1/3 hp becomes **FM34-18-56**.

‡ Not all combinations indicated by this table are possible. Please contact us or visit [shop.worldwideelectric.com](http://shop.worldwideelectric.com) for more information on availability.

Product Family	HP	RPM	Frame Size
FM (Fractional)	1/3	1800 (18)	56 / 56C
	1/2		
	3/4		
	1		56H / 56HC
	1.5		
	2		

## Fractional (FM) Product Features

- 1/3 - 2 hp, 1800 rpm
- 115/230 Volts
- IP54 protection
- 56H frame motors have double-punched feet
- Vacuum Pressure Impregnation (VPI) system
- Anti-rust film applied to rotor
- 1/3 - 1 hp: Capacitor Start/Induction Run
- 1.5 - 2 hp: Capacitor Start/Capacitor Run for reduced amperage and high torque
- Improved shaft seal on drive-end protects bearing from moisture and contaminants

## Stearns Double C-Face Coupler Brakes

Designed to fit between a standard NEMA C-Frame: 56C motor and quill input C-Flange, the two standard stock parts eliminate the need for special designed brake motors for many applications.



## Additional Agricultural Products

In addition to Farm Duty motors, WorldWide Electric supplies the agriculture industry with other essentials including vertical hollow shaft motors for irrigation applications, gear reducers for conveyors, and softstarts and drives to improve efficiency by reducing electricity and/or water consumption.



Vertical Hollow Shaft Motors

Shaft Mount Reducers

WorldDrive 4X VFDs

## All Farm Duty Motor Features

- Totally Enclosed Fan Cooled (TEFC) Enclosure
- Rigid Base or C-Face with feet
- High torque
- 1.15 SF
- Class F insulation
- Manual overload

Product Family	HP	RPM	Frame Size
FD (Integral)	2	1800 (18)	145T / 182T / 182TC
	3		184T / 184TC
	5		215T / 215TC / 215TZ
	7.5		215T / 215TC
	10		215T / 215TC

## Integral (FD) Product Features

- 2 - 10 hp, 1800 rpm
- 230 Volt
- IP55 protection
- Dual-drilled feet
- Capacitor Start/Capacitor Run for reduced amperage and high torque
- Shaft seals on both ends of the motor
- Cast Aluminum Endbells



WorldWide Electric Corporation is a leading manufacturer of electric motors, motor controls, gear reducers, and generators. Offering fast, often same-day, shipping from seven regional US warehouses, WorldWide Electric takes pride in providing a competitive edge to our customers by responding to their requirements with urgency, technical expertise, and professionalism.

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EM-Farm-Duty-v06-06-23