



Farm Duty Motors

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 WorldWide Electric Farm Duty Motors feature Totally Enclosed Fan Cooled (TEFC) enclosures, Class F insulation, and a 1.15 Service Factor. Fractional Farm Duty Motors are available in 1/3 - 2 HP, while Integral Farm Duty Motors come in 2 - 10 HP.

Specifications

- Output: 1/3-2 HP (Fractional)
2-10 HP (Integral)
- Speed: 1800 RPM
- Frequency: 60 Hz
- Voltage: 115/230V (Fractional)
230V (Integral)
- Service Factor: 1.15 SF

In-Stock and Ready to Ship

We aim to make our customers more competitive by stocking the products they need and responding to their requirements with a shared sense of urgency. With \$50 million of ready-to-ship inventory at seven regional US warehouses, we're ready to assist you!

For more details, visit wwec.co/FDM

Product Features

- Totally Enclosed Fan Cooled (TEFC) Enclosure
- High Torque
- 1.15 SF
- Class F Insulation
- Manual Overload

Fractional Models

- 1/3-2 HP, 1800 RPM
- 115/230V
- IP54 Protection
- Available with Rigid Base or C-Face with Feet
- 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

Integral Models

- 2-10 HP, 1800 RPM
- 230V
- IP55 Protection
- Available with Rigid Base or C-Face with Feet
- Dual-Drilled Feet
- Capacitor Start / Capacitor Run for Reduced Amperage and High Torque
- Shaft Seals on Both Ends of the Motor
- Cast Aluminum Endbells

For more details, including full specifications and compliance, visit wwec.co/FDM

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.

Model Number Selection

Each model number contains the product family, horsepower rating, RPM, and NEMA frame size.

Sample Model Number (Fractional): FM34-18-56

FM	34	-	18	-	56
Product Family	HP Rating		RPM/100		Frame Size

Sample Model Number (Integral): FD7.5-18-215TC

FD	7.5	-	18	-	215TC
Product Family	HP Rating		RPM/100		Frame Size

HP ratings with a decimal will carry a decimal to the model number, i.e. 1.5 HP becomes FM1.5-18-56H

HP ratings listed in fractions will drop the slash, i.e. 1/3 HP becomes FM13-18-56

Available Models †

Product Family	HP	RPM	Frame Size
FM (Fractional)	1/3	18	56 / 56C
	1/2		
	3/4		
	1		56H / 56HC
	1.5		56HZ / 56HZC
	2		
FD (Integral)	2	18	145T / 182T / 182TC
	3		184T / 184TC
	5		215T / 215TC / 215TZ
	7.5		
	10		215T / 215TC



WorldWide Electric's Vertical Hollow Shaft Motors are designed for deep well and ground water pumping applications



Our Shaft Mount Reducers are dimensionally equivalent to most brand name reducers



WorldDrive 4X VFDs are designed to withstand harsh outdoor conditions

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WorldWide Electric Corporation is a leading manufacturer of electric motors, motor controls, gear reducers, and generators as well as the exclusive master distributor of Hyundai Electric's low-voltage motors and drives. 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.