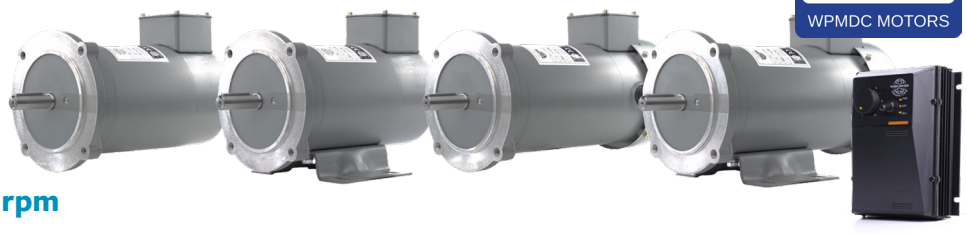
worldwideelectric.com
(800) 808-2131

Permanent Magnet DC Fractional Horsepower Motors

WPMDC MOTORS

- **TENV: 1/4 – 1/2 hp**
- **TEFC: 3/4 – 2 hp**
- **High starting torque**
- **90, 180, 12, and 24 Volts**
- **20:1 Speed range at 1800 rpm**



Construction

- Totally Enclosed Fan Cooled (TEFC) and Non-ventilated (TENV) enclosures
- C-face with removable base
- 20:1 speed range at constant torque
- Brushes rated for 2,500 hours
- 180 Volt and 90 Volt motors include one set of replacement brushes and brush springs.

Protection & Environmental

- IP54 protection
- Class F insulation

Applications

Suitable for a wide variety of applications and uses. 12 Volt and 24 Volt models are commonly used in applications where low Voltage DC power is supplied by batteries or generators.

Stearns Double C-face Coupler Brakes

Fits between a standard NEMA C-Frame: 56C motor and quill input C-flange— eliminates the need for special designed brake motors.



Variable Speed DC Controls

Convert an AC voltage source to create an affordable PMDC solution for your unique application needs.

Features

- Dual Voltage – 120/240 Vac, 50/60 Hz
- Adjustable horsepower settings
- Barrier terminal strip
- Packaged bridge supply (Fullwave)
- 1% Speed regulation with armature voltage feedback; ± 1/2% with Tach feedback
- Adjustable minimum speed (0 - 30% of max.)
- Adjustable maximum speed (66 - 110% of base)
- Adjustable IR compensation
- Adjustable linear acceleration (0.5 - 8 sec.)
- Adjustable current limit to 15 Amps
- Line Voltage compensation
- 5K Ohm speed potentiometer with leads, knob and dial included
- Power On/Off switch
- 50:1 speed range
- Overload capacity: 150% for one minute
- Transient Voltage protection
- Voltage following mode or DC tachometer follower by supplying underground analog input signal (0 - 12 Vdc)
- DC tachometer feedback (6 V at base speed)
- Inhibit circuit – permits start and stop without breaking AC lines
- Remote Start/Stop via pot circuit or inhibit circuit
- Shunt field supply provided (1 Amp max.; 100 V for 120 Vac; 200 V for 240 VAC input)
- AC line fuse
- Rated NEMA 4/12 with threaded conduit holes

Order Codes

- For a Reversing Unit use: WDCCONTREV
- For a Non - Reversing Unit use: WDCCONT

WORLDWIDE ELECTRIC CORPORATION

Responsive Service & Technical Support

In Stock Availability Nationwide Distribution

Quality Products Competitive Pricing

Fast Shipping Same-Day Available

Distribution Centers in Atlanta (GA), Dallas (TX), Hernando (MS), Indianapolis (IN), Milton (PA), Rancho Cucamonga (CA), Warrior (AL)

MEMBER EASA The Electro-Mechanical Authority

CEMA CONVEYOR EQUIPMENT MANUFACTURERS ASSOCIATION

PTDA Member