

WORLDWIDE
ELECTRIC CORPORATION

Poultry Processing

Reliable and Efficient Motors, Controls, and Gear Reducers

Daily use in demanding, wash-down conditions

Worldwide Electric's distributors partner with poultry processing facilities to ensure their equipment is operational and working as efficiently as possible — day-in, day-out. We understand the costs of running a clean facility, with daily wash-downs, or having to take a production line down because your customers are waiting for replacement parts.

Our premium products for the food and beverage industry are specifically designed to provide reliable up-time with heavy, start, stops or constant on operations.

Contact:

Call:

Email:

Washdown Motors

Our Fractional and Premium Efficient Stainless Steel motors offer complete protection from water, dust, and oil. They are ideal for conveyors, pumps, and material handling applications in the food and beverage, pharmaceutical, and poultry industries.

Quick Specs

- 1/3 to 2 hp | 3600 and 1800 rpm | 56C Frame size | IP56
- 1/3 to 20 hp | 3600 and 1800 rpm | IP69k
- 1/2 to 5 hp | 1200 rpm | IP69k
- Three-phase, 230/460 Volt
- C-Face with feet (welded on) or round body (footless)
- Continuous duty
- Inverter duty – 10:1 Constant Torque (CT) / 20:1 Variable Torque (VT)
- Premium efficiency (EISA compliant)
- Bi-directional rotation
- NEMA Design B | F1 Junction box location
- Double sealed bearings pre-packed with Mobil Polyrex EM grease
- Lip seal on DE and ODE
- BISSC Certified (TEFC only)
- IP69K Protection
- Premium efficient models offer a three-year warranty

New Series for '23 – Close-Coupled Pump Motors (JM Series)



Premium Efficient Stainless Steel Motor
TEFC Enclosure, C-Face with Feet



Premium Efficient Stainless Steel Motor
TENV Enclosure, C-Face with Feet
(Round Body Also Available)



Premium Efficient Stainless Steel Motor
TEFC Enclosure, C-Face Round Body

Gear Reducers

Our Worm Gear Reducers replace existing equipment with quality and dependability. Worm gear reducers are among the most compact and least expensive options among gear reducers, used to reduce input rotational speed and increase output torque in right angle configurations.

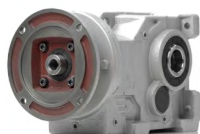


Corrosion Resistant Stainless Steel (SSHdr)

- Box sizes 175 to 325, 5:1 to 100:1 ratios
- BISSC Certified | IP69K
- Units filled with Mobil CIBUS 460 H1 food-grade lubricant
- Magnetic hardware – Allows detection by metal detection devices before resulting in contamination
- Stainless steel bushing kits can be used to adjust the output bore size
- Performance matches other major brands

Helical-Bevel Gear Reducers

- Box sizes 37 to 97 | ¾ to 30 hp
- 2:1 to 120:1 ratios (plus custom)
- All cast iron housings
- Hollow output bores
- NEMA C-Face, no coupling required
- Dimensionally equivalent to most European brands



Helical-Inline Gear Reducers

- Box sizes 13 to 147 | ¼ to 100 hp
- 2:1 to 120:1 ratios (plus custom)
- NEMA C-Face, no coupling required
- Dimensionally equivalent to European R Series brand



Severe Duty and IEC Metric Motors

Reliable, high performance motors for demanding environments and taxing conditions.

IEC Metric Motors

- IE3 Efficiency at 50Hz
- Premium Efficiency at 60 Hz
- Totally Enclosed Fan Cooled (TEFC) Enclosure
- ¼ to 25 hp | 3600, 1800, and 1200 rpm
- 230/460 Volt, 60 Hz, 190/380 Volt, 50 Hz
- IP55 protection, IEC60034-1 & CE Certified



NEMA Premium

Severe Duty Motors

- 1 to 500 hp
- 3600, 1800, 1200, and 900 rpm
- Inverter duty, 10:1 CT / 20:1 VT (1.0 SF)
- Totally Enclosed Fan Cooled (TEFC) Enclosure
- Frame size 143T to 586/7, rigid base or C-Face & feet (TC)
- IP55 protection, CSA certified & CC006A



NEMA Premium

WD4X Series

NEMA 4X Variable Frequency Drive

Built to provide ultimate control of your motor applications and deliver superior performance in demanding conditions.

Voltage & HP Ranges

- 240 V Single-Phase 0.5 - 10 hp VT
- 240 V Three-Phase 1 - 20 hp CT
- 480 V Single-Phase 0.5 - 15 hp VT
- 480 V Three-Phase 0.5 - 30 hp CT

Overload Capacity

- 150% Overload for 60 seconds CT

Motor Control Modes

- Volts to frequency (V-Hz), slip compensation, sensorless vector control, and PM Sensorless Vector

Communications

- Modbus RTU
- Optional EtherNet/IP & Modbus/TCPIP

Protection

- NEMA 4X/IP66 Indoor



Lockable Disconnect

WDFC Series

Flexible Variable Frequency Drive

Built to provide ultimate control of your motor applications, the WDFC is suitable for a variety of applications from conveyors to pumps and almost everything in between.

Voltage & HP Ranges

- 240 V Single-Phase 0.5 - 10 hp VT
- 240 V Three-Phase 1 - 25 hp VT
- 240 V Three-Phase 0.5 - 20 hp CT
- 480 V Single-Phase 0.5 - 350 hp VT
- 480 V Three-Phase 1 - 800 hp VT
- 480 V Three-Phase 0.5 - 650 hp CT

Overload Capacity

- 120% Overload for 60 seconds VT
- 150% Overload for 60 seconds CT

Motor Control Modes

- Volts to frequency (V-Hz), slip compensation, sensorless vector control, and PM Sensorless Vector

Communications

- Modbus RTU, Metasys N2 & BACnet MS/TP
- Optional EtherNet/IP or Modbus/TCPIP

Protection

- NEMA 1/IP20 with Conduit Box Option (Plenum Rated)



General Purpose Fractional Motors

Totally Enclosed Fan Cooled (TEFC) with IP43 protection and rigid base, C-Face with removable base (CB), or C-Face round body (CRD) options.

- Single-phase 115/230 Volt, capacitor start/run (1.5-2 hp) for reduced amperage and high torque or capacitor start/induction run (½-1 hp)
- Three-phase, premium efficiency (1-3 hp) 230/460 Volt (NATE Series)



NEMA Premium