



Food & Beverage

Reliable and Efficient Motors, Controls, Gear Reducers, and Generators

Avoiding Equipment Failure & Reducing Downtime

Worldwide Electric's distributors partner with food and beverage plant owners, operators, and facility managers 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

Worm 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

Heavy Duty Cast Iron (HdR)

- Box sizes 133 to 325
- 5:1 to 60:1 ratios
- Dimensions and performance equivalent to Boston 700 Series



Lightweight Aluminum (CALM)

- Box sizes 30 to 90
- 7.5:1 to 90:1 ratios
- NEMA motor input flanges
- Multiple mounting holes for all angle mounts
- Performance matches other major brands



WorldDrive 4X Variable Frequency Drives

IP66 with a NEMA 4X enclosure built to withstand washdown conditions.



- V/f, Slip compensation control, sensorless vector control
- 150% overload for 60 sec
- 200-230 V, single-phase, 0.5-2 hp
- 200-230 V, three-phase, 1-20 hp
- 380-480 V, three-phase, 1-30 hp
- Input voltage range: 200-230 V single/three-phase (-15%, +10%)
- Input voltage range: 380-480 V three-phase (-15%, +10%)
- Output frequency: 0-400 Hz Sensorless: 0-300Hz
- Carrier frequency: 1-15 kHz
- Protection degree: NEMA 4X/IP66
- Conformal coated printed circuit boards
- Built-in: Modbus-RTU
- UL, cUL, CE Certified

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 Motors

- 115/230 Volt
- Capacitor start/run (1.5-2 hp) for reduced amperage and high torque
- Capacitor start/induction run (1/3-1 hp)

Three-Phase Motors

- 230/460 Volt
- Premium efficiency (1-3 hp)
- Inverter rated, 4:1 CT / 10:1 VT
- Suitable for 50 Hz with 1.0 SF

Variable Frequency Drives, Chassis, Cabinets and Panels

Total control of your motor applications, from general purpose to severe duty.



- WorldDrive FC, G2, 4X, or N700E models available
- 0.5-800 hp ratings
- 230 and 460 Volt options
- Single-phase and three-phase
- Volts to frequency, slip compensation, and sensorless vector control modes
- Output Frequency 0.01-400 Hz
- Carrier Frequency 1-15k Hz
- NEMA 3R, 4, and 12 enclosure options

Motor Soft Starters, Chassis, Cabinets and Panels

Protect against undue load and torque on your motors. Options for standard, heavy, non-combination, and positive displacement (PD) applications.



- WorldStart WSE or WSiQ
- 5-900 hp ratings
- 230, 460, and 575 Volt options
- 2-SCR and 3-SCR Products
- Run-rated internal bypass
- Adjustable current limit 250% to 450%
- Adjustable Motor Trip Class: 2 to 20 seconds
- IP20 19 to 100 A; IP00 140 to 200 A
- True 3-Phase Starter, 350% FLA for 30 seconds
- NEMA 4 enclosures with WorldStart WSE or WSiQ