



Full Product Line Card

Proven Products to Provide Reliable Uptime

No matter what industry – agriculture, construction, aggregate, material handling, oil and gas, irrigation, wastewater, food processing, or manufacturing – we know every moment of downtime reduces productivity and impacts the bottom line. That’s why we still live by our founding customer-centric philosophy -providing quality products, a large selection of in-stock inventory, and fast shipping, all backed by exceptional customer support.

Contact:

Call:

Email:

Introducing the WorldDrive VFD Bypass Panel

Optimized motor control for commercial and industrial applications with built-in bypass for continuous operation.



WorldWide Electric's Bypass Panels utilize the trusted *WorldDrive Flex Control* Variable Frequency Drive to precisely and efficiently control motors that drive equipment, such as pumps, fans, and blowers, in industrial, manufacturing, or commercial HVAC applications. The integrated bypass allows an operator to switch to non-VFD control manually. Bypass operation provides dependable operation for applications that must remain in operation, giving dependability you can rely upon.

Built-In Features

- 2 Contactor Bypass
- HAND/OFF/AUTO selectable
- Operation Indicator
- Motor Overload (OL) Trip Detection
- Fire Mode
- Damper Control
- BACnet, Metasys™N2, Modbus RTU
- PID Loop Control
- Relay outputs (x5)
- 100 kA SCCR rated
- Electronics, terminals, and power components are IP20-rated/NEMA 1
- UL, cUL Listed, and CE Certified

Options

- Line Isolation Contactor (3rd Contactor)
- Ethernet IP & Modbus/TCPIP
- Expansion IO card

Availability

- 1- 15 hp 3rd Quarter 2023
- Up to 75 hp 1st Quarter 2024



Featuring the World Drive Flex Control Variable Frequency Drive

Wash-down 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.



- TEFC or TENV
- BISSC and BEAG Certified
- 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)
- Premium efficient models offer a three-year warranty

Now Available

Close-Coupled Pump Motors (JM Series)

Marine Duty Motors

IEEE 45, inverter duty motors are rugged enough for wet environments and taxing conditions. They offer a three-year warranty and an impressive list of features.



- Totally Enclosed Fan Cooled (TEFC)
- 1 to 450 hp | 3600, 1800, 1200, and 900 rpm
- Inverter duty, 10:1 CT / 20:1 VT (1.0 SF)
- Design B and NEMA premium efficiency
- Class 1 Div. 2 Groups A,B,C,D (NEC)
- UR, CE, IEEE 45, CC306B



Open Drip Proof (ODP) Motors

Ideal for use in HVAC and refrigeration equipment, air compressors, and general purpose installations where cooler-running, non-enclosed motors are required.



- 1/2 to 200 hp
- 3600, 1800, and 1200 rpm
- 230/460 Volt at 60Hz
- IP23
- 1.15 SF
- Enclosure: rolled steel frame (56 - 324/6T)
- Enclosure: cast iron frame (364/5T - 444/5T)
- Double drilled feet to accommodate mounting flexibility (143T - 445T) or F1 to F2 conversions
- Lifting eyes on larger models assist with installation
- Rigid base on all models, except 56 Frame which has C-Face with removable base.

Farm Duty Motors

WorldWide Electric's Totally Enclosed Fan Cooled (TEFC) Farm Duty motors support general-purpose agricultural applications, such as moving materials on conveyors, lifts, screws, augers, and elevators, or for driving fans and centrifuges when ventilating, drying, or aerating storage bins and buildings.



Integral

- 2 to 10 hp | 1800 rpm
- 230 Volt, 60 Hz
- IP55 protection

Fractional

- 1/3 to 2 hp | 1800 rpm
- 115/230 Volt, 60 Hz
- IP54 protection

IEC Metric Motors

Designed for the needs of our customers utilizing equipment manufactured overseas. Our IEC motors operate at IE3 Efficiency at 50 Hz and are NEMA Premium Efficient at 60 Hz operation.



- Totally Enclosed Fan Cooled (TEFC) Enclosure
- 1/4 to 25 hp | 3600, 1800, and 1200 rpm
- 230/460 Volt, 60 Hz
- 190/380 Volt, 50 Hz
- IP55 protection
- IEC60034-1 & CE Certified

DC Motors

Permanent Magnet DC (PMDC) motors are ideal for applications that require simple variable speed control and high starting torque.



- 90, 180, 12 and 24 Volt
- TENV | 1/4 to 1/2 hp | 1800 rpm
- TEFC | 3/4 to 2 hp | 1800 rpm
- C-Face with removable base
- 20:1 Speed range at constant torque
- IP54 protection

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.



- 115/230 Volt | 1/3 - 2 hp
- 230/460 Volt | 1 - 3 hp | Premium efficiency



*NATE Series Only

Oil Well Motors

Designed for maximum run time and harsh environments of oil production. Features include high starting / breakdown torque performance with high slip NEMA Design D and oversized bearings for heavy duty belt drive applications.



- Totally Enclosed Fan Cooled (TEFC)
- 3 to 150 hp | 1200 and 900 rpm
- 230, 460, and 796 Volt
- IP55 protection

Closed-couple Pump Motors

Totally Enclosed Fan Cooled (TEFC) or Open Drip Proof Close-coupled pump motors are designed to meet or exceed EISA 2007 requirements for premium efficiency, making them ideal for industrial pumping applications, such as centrifugal pumps requiring JM or JP shafts.



- 1 to 50 hp | 3600 and 1800 rpm
- TEFC | IP 55 protection | Cast iron frame
- ODP | IP 23 protection | Rolled steel frame
- TEFC | Stainless Steel | 1 - 20 hp | BISSC and BEAG Cert.

Vertical Hollow Shaft Motors

For use in standard and high-thrust turbine pump applications, such as pivot systems, deep wells, and groundwater pumping applications. VHS motors offer premium efficiency, corrosion-resistant epoxy paint, epoxy-coated rotor and windings, and a felt end bell seal that protects from pump seal failure.



- 10 to 500 hp | 1800 rpm
- IP23 weather protected enclosure
- Standard coupling size included
- Double thrust bearing (100-500 hp) for deep applications
- Two-year warranty

Jet Pump Motors

Our Electric Jet Pump motors feature a high-torque and durable design to effectively power industrial, commercial, and residential pumping solutions such as water wells, and more.



- Single-phase or three-phase
- TEFC | 1/3 to 3 hp | 3600 rpm
- ODP | 1/3 to 5 hp | 3600 rpm
- 56J with threaded shaft, 56C with keyed shaft

*NATJE Series Only

Explosion Proof Motors

Totally Enclosed Fan Cooled Explosion Proof (TEXP) enclosure with IP 55 protection for industrial applications with the presence of highly combustible, pervasive materials. Fully tested and certified for explosion proof classification in Class 1 Division 1 Groups C & D and Class 2 Division 1 Groups F & G.



- 1 to 300 hp | 3600, 1800, and 1200 rpm
- 230/460 Volt (1 to 100 hp), 460 Volt (125 to 200 hp)
- Rigid base (T/TS) or C-Face with feet (TC/TSC)
- Premium efficiency (1 to 200 hp)
- Inverter duty, 5:1 CT / 10:1 VT (1 to 200 hp)

Premium Efficient, Severe Duty Motors

Reliable, high performance motors well-equipped to power anything from pumps, fans, compressors, blowers, and hydraulic power units.



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

Grain Dryer-Centrifugal Fan Motors

Three-phase, high-performance motors withstand harsh daily treatment with vibration, heat, dust, and debris.



- Extended shaft and extended leads
- 1 - 50 hp | 1800 rpm
- 230/460 Volts at 60 Hz
- CSA Certified - Class 1, Division 2, Groups A, B, C, D

Severe Duty for Crusher Applications

Our Rock Crusher Motors provide high starting and breakdown torques for high-impact, heavy-duty applications, such as aggregate conveyors and lifts.



- 200 to 600 hp | 1800 and 1200 rpm
- IP55 protection and premium efficiency
- 4140 high tensile strength steel shaft
- FC200 density cast iron frame

New for 2024

Gear Reducers

Helical Bevel Gear Reducers

The KHN and KAN Series deliver a broad range of power and output torque to support a wide array of applications. A standard NEMA quill input design simplifies the task of retrofitting as it is universally compatible with any C-Face motor. The KHN Series gear reducer features a foot-mounted design while the KAN Series reducer is available with a torque arm or flange mounted design.



- Box sizes 37 to 97 | $\frac{3}{4}$ to 30 hp
- 2:1 to 120:1 ratios
- All cast iron housings and hollow output bores
- NEMA C-Face, no coupling required
- Two-year warranty
- Drop-in compatibility to most major European brands

Shaft Mount Reducers

Our Shaft Mount Gear Reducers offer quality and dependability and can directly replace existing equipment. They are commonly used to transmit power to conveyors and material handling equipment.



- The *Original*, *Eliminator* and *Ultimate* Reducers
- Box sizes 2-12
- 9:1, 15:1, 25:1 ratios
- Industrial grade all cast iron housings
- Tapered bushing type (bushing not included)
- 1-15/16" to 5-7/16" hollow output bores
- Premium quality ball and tapered bearings
- Metal reinforced double lip, spring loaded oil seals
- Two-year warranty
- *Original* is dimensionally equal to TXT Series

Helical Inline Gear Reducers

Delivering a broad array of output torque and speed, the WINL Series are engineered to support a wide range of applications including fans, pumps, conveyors, material handling equipment, packaging machines, and textile machinery.



- Box sizes 37 to 147 | $\frac{1}{4}$ to 100 hp
- 2:1 to 120:1 ratios
- NEMA C-Face, no coupling required
- Two-year warranty
- Dimensionally equivalent to European R Series brand

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.

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 & IEC motor input flanges
- Multiple mounting holes for all angle mounts
- Performance matches other major brands



Corrosion Resistant Stainless Steel (SSHdr)

- Box sizes 175 to 325
- 5:1 to 100:1 ratios
- BISSC Certified | IP69K
- Stainless steel bushing kits can be used to adjust the output bore size
- Performance matches other major brands



Parallel Shaft Helical Gear Reducers

The FHN Series offer universal compatibility with NEMA C-face motors, a hollow bore output, and a broad range of power and output torques support many industrial process applications.



- Box sizes: 37-97 | $\frac{1}{4}$ hp to 25 hp
- 4:1 to 180:1 ratios
- All cast iron housings
- 20rMo alloy steel gears reduce stress, corrosion and noise
- Powerlock option available
- Two-year warranty
- Drop-in compatibility with most major European-produced reducer brands

Gear Reducer Accessories

We offer a complete range of accessories including:

- Single & Double Output Shafts
- Flanges
- Torque Arms
- Screw Conveyor Flange
- Screw Conveyor Drive Shafts
- Backstop Assemblies
- Belt Guards
- Motor Mounts
- Rebuild Kits
- Tapered Bushing Kits
- Breather Plugs

We offer configured and fully customizable options for complete motor control. A broad range of available sizes, features, and configuration options are available across our product lines. Standard options are in-stock and ready for immediate delivery. Heavy-duty enclosures protect your investment against the most demanding outdoor environments. Packaged systems are UL-compliant, assembled, tested, and ready for operation before shipment.

Variable Frequency Drives, Chassis and Enclosed Packages

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 and Enclosed Packages

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



Across-the-Line Starters

Simple control devices for a wide range of applications. WorldWide Electric and Siemens Brands.

- General Purpose Motor Starters
- Siemens Class 14 NEMA Rated Motor Starters with ESP200 Solid State Overload
- Siemens 3RE48 NEMA Rated Pump Controllers with ESP200 Solid State Overload
- Siemens Combo Starters with Solid State Overload
- Solid State Overload Relays and Current Transformers
- Motor starter kits, accessories, parts, incl. Siemens Coils for NEMA Starters



Remote Operating Module

Reduce time spent in the field checking up on your operations. View system statuses in real-time, view automatically-generated reports, and get notified of critical issues via email/text 24/7.

- Real-time monitoring with alerts
- Unlimited Technical Support
- 4G Cellular Connectivity
- Configurable Inputs and Outputs
- Three-year monitoring incl.
- Renewable plans available.



Positive Displacement Pump Enclosed Packages and Panels

Motor Soft Starter and Variable Frequency Drive Packages for demanding start-up, control and protection needed for PD applications, incl. oil and gas, salt water disposal, irrigation, jet pump, etc.

- 3 - 800 hp | Single-phase and three-phase
- Start-rated bypass contactor
- CT and VT ratings
- Multiple control options, incl. "Murphy Switches"
- Full skid control and programing options
- NEMA 3R AND NEMA 4 enclosures



Ancillary Control Devices

Support a wide range of applications from basic to complex control. Brands include Siemens, Hubbell, and WorldWide Electric.

- Safety and Disconnect Switches
- Pilot Devices & Push Buttons
- Selector Switches & Indicator Lights
- Contactors & Auxiliary Contact Blocks
- Overload Relays & Alternator relays
- Drum Controllers
- Pressure Switches



IN-STOCK ACCESSORIES

Worldwide Electric provides motor, gear and controls accessories to support a wide range of industrial applications.



Motors

- Motor Slide Bases
- Grounding Rings
- C-Flange Kits for ODP and Farm Duty Motors
- C-Flange and D-Flange Kits for TEFC Motors
- Vertical Hollow Shaft Motor Couplings
- Helwig Carbon Bearing Protectors
- Stearns Double C-Face Couple Brakes
- Variable Speed DC Controls for WPMDC Motors

Gear Reducers

- Single & Double Output Shafts
- Flanges
- Torque Arms
- Screw Conveyor Flange
- Screw Conveyor Drive Shafts
- Backstop Assemblies
- Belt Guards
- Motor Mounts
- Rebuild Kits
- Tapered Bushing Kits
- Breather Plugs

Controls

- Safety and Disconnect Switches
- Pilot Devices & Push Buttons
- Selector Switches & Indicator Lights
- Contactors & Auxiliary Contact Blocks
- Overload Relays & Alternator relays
- Drum Controllers
- Pressure Switches



Service & Support | (800) 808-2131

WorldWide Electric is proud to offer a highly accessible Sales and Customer Service team, always ready to take your call. Each state has a dedicated Inside Sales Representative, Outside Sales Representative, and Customer Service Representative. You will have the benefit of speaking with the same team of highly seasoned, responsive representatives any time you call.

And what's more, each team is supported by dedicated Motor Controls and Integration Specialists. They will assist you with basic programming, troubleshooting, and emergency breakdown support during normal business hours. We also have 24x7 Emergency Breakdown Support.

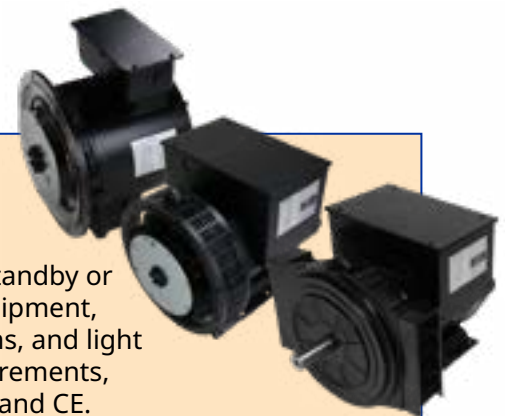
Technical Support: (844) 993-7378

24x7

Generators

For Industrial Applications

AC synchronous generators rated for standby or continuous duty to a wide range of equipment, such as pumping systems, pivot systems, and light towers. Built to IEC 600341-1 & -2 requirements, BS4990 & 5000, NEMA MG1 2006, CSA, and CE.



Single & Double Bearing

- 4-2100 kW
- Self-ventilated for reliability
- Single-Phase or Three-phase
- Brushless 4 pole at 1800 RPM
- Brushless 2 pole at 3600 RPM

Pancake-style

- Ideal for lighttower applications
- 2-pole units, 60 Hz, 3600 RPM or 50 Hz, 3000 rpm
- 4-pole units, 60 HZ, 1800 RPM or 50 Hz, 1500 rpm
- Dual and single frequency options