

## Shark Drive™



The WEG SHARK VARIABLE FREQUENCY DRIVE is designed to complement the enclosure ruggedness of WEG's SHARK MOTOR Product Line. The All Stainless Steel NEMA 4X Enclosure is ideal for high pressure hose wash down and corrosive environments that are typically found in the food processing and pharmaceutical industries.

The Shark Drive's complete package combination of the CFW-09's triple control capability (Volts/Hertz, Sensorless or Closed Loop Vector) matched with the Shark Drive's NEMA4X enclosure rating allows the Shark Drive™ to succeed in virtually all applications in any industrial environment.



### Applications

- Pumps
- Fans / Blowers
- Conveyors
- Rollout tables
- Agitators
- Mixers

### Optional Features

- Close loop vector control
- RS-485 Serial Interface
- Fieldbus Comm: Profibus DP, DeviceNet or Modbus RTU
- Encoder buffered output
- Additional digital and analog I/O

### Standard Features

- NEMA 4X All Stainless Steel Enclosure
- V/Hz and Sensorless Vector Control
- Self Tuning
- Single and Three-phase input voltage
- 200-240V or 380-480V input voltage
- 150% current overload capacity
- Dynamic Braking transistor
- 32 bit RISC microprocessor controlled PWM output
- 1.25 / 2.5 / 5 / 10 kHz adjustable switching frequency
- Six isolated programmable digital inputs
- Three programmable relay outputs (250Vac / 1A)
- Two isolated programmable analog inputs
- Two programmable analog outputs
- Protective features: Over current, motor overload, drive over temperature, output phase-to-phase and phase-to-ground short circuit, DC bus over and under voltage, power supply under voltage and phase loss and external fault
- Control features: Linear and "S" ramp acceleration and deceleration, local/remote control, DC braking, torque boost, motor slip compensation, electronic pot, preset speeds, adjustable V/Hz profile, maximum and minimum adjustable frequency limits, two skip frequencies, adjustable output current limit, JOG, ride-thru and flying start and PID regulator
- Display readings: Motor speed, frequency, voltage, current and torque, output power (kW), four last faults, drive status, digital and analog I/O status, hours powered and hours running
- Ambient: 104°F (40°C), 3300 ft (1000m) altitude, 90% humidity, non-condensing

