

## Yaskawa Releases V1000 Drive with NEMA 4X/IP66 Packaging

*Prepackaged drives save time, money and space*

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**Waukegan, Ill.** The Drives & Motion Division of Yaskawa America, Inc. announces the release of NEMA 4X/IP66 versions of the V1000 current vector motor microdrive. Each V1000-4X drive is supplied with an integral enclosure that meets NEMA type 4X/12 for indoor use, UL type 4X/12 standards and the IP66 rating of IEC 60529.

Each enclosure provides the protection required in tough washdown or dust-tight environments common in food and beverage processing, packaging, metal machining, woodworking, pumping, refrigeration and printing applications. Each enclosure is epoxy-coated to protect against the harmful effects of sanitizing chemicals commonly used in food and other industries.

Designing a dust-tight, water-tight and corrosion-resistant enclosure for a motor drive requires numerous calculations to ensure proper heat dissipation and maintain internal temperatures at or below designated levels. For many manufacturers and OEMs, the cost to design, assemble and test an enclosure to house a motor drive can exceed the cost of the drive itself. The V1000-4X drive cuts these costs, and also provides the smallest viable form factor for each drive option.

The V1000-4X drive is available in 200-240VAC Single Phase 50/60 Hz, 200-240VAC Three Phase 50/60 Hz and 380-480VAC Three Phase 50/60 Hz ratings. Single-phase drives are available in 1/8 to 3 hp sizes. Three-phase drives are available in 1/8 to 25 hp sizes.

All drives are supplied with a number of standard features including function-block diagram programming, fast 2-ms scan cycle time and starting torque of 200% at 0.5 Hz. Modbus communication is standard—and Profibus-DP, DeviceNet, EtherNet/IP and Modbus TCP/IP communications are available as options.

The built-in multifunction digital inputs and outputs, function-block diagram programming software and full-featured operator interface can allow the drive to operate as the main controller in many applications. Purchasing the drive with its integral enclosure means that no additional hardware design is required to apply the drive as the main controller, reducing design and installation costs to only programming and on-site installation wiring.

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**About Yaskawa**

The Drives & Motion Division of Yaskawa America, Inc. manufactures industrial automation equipment. Its products include industrial AC drives; commercial HVAC drives; spindle drives and motors; servo amplifier systems and motion controllers; and low-voltage industrial control switches. The company's products are used in automotive, building automation, chemical and petrochemical, food and beverage, machine tool, material handling, metal forming, packaging, pharmaceutical, solar, plastics and rubber, and textile applications. Yaskawa America's Motoman Robotics Division makes industrial robots that can weld, assemble, cut and handle goods for manufacturers.

Yaskawa America, Inc. employs more than 1,000 people at its manufacturing facilities in Waukegan, Ill. and in offices across the United States. For more information on the V1000-4X current vector microdrive, please visit our website at [www.yaskawa.com](http://www.yaskawa.com).