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## KB Electronics Introduces New NEMA 4 / IP66 Enclosed KBVF 4G Hybrid AC Drives Designed and Customized for PMAC Motors

CORAL SPRINGS, FLORIDA – KB Electronics, a manufacturer of AC and DC drives, has introduced the new 4th Generation (4G) series of the popular KBVF Hybrid AC Drives, now with IP66 enclosures for indoor and outdoor use. These high-performance drives are specifically designed to work with permanent magnet AC (PMAC) motors – also known as brushless permanent magnet (BPM) motors and permanent magnet synchronous motors (PMSM). These drives are customized and tuned to PMAC motors ranging from 1 – 3 HP.



At the AHR Expo in Atlanta, KB will unveil its new 4G line of KBVF drives. Designed to meet IP20 and NEMA 4 / IP66 ratings, both versions provide an ultra-competitive package to drive BPM motors.

With KB's proprietary sensorless, open-loop control algorithm specifically designed for both induction and BPM motors, these drives do not require encoders but still provide exceptional torque vs. speed characteristics. The footprint also allows for direct-mounting onto the motor. These drives are typically pre-tuned for OEM applications by KB Electronics, so they are ready to use out of the box.

The isolated user interface (for analog signal input, Forward-Stop-Reverse, Run/Fault Relay contacts) and circuitry for RS485 Modbus RTU Communication Protocol eliminate the need to purchase and install separate interface modules. These drives combine the digital technology of the microprocessor with an easy-to-use isolated analog input user interface. With simple trimpot adjustments and selectable jumpers instead of complicated programming, these drives require no commissioning.

Common applications that these drives are designed for include agricultural ventilation, industrial fans and exhausts, HVAC, and pumping. "We are pleased to expand our KBVF family with the new 4G models," said Thomas Dalton, President of KB Electronics. "These new IP66 enclosed models, in addition to a full line of accessories, will meet demanding customer requirements and be a great addition to our product line."

More information about the new drives can be found at:  
<http://acim.nidec.com/drives/kbelectronics/featured-and-new-products/kbvf-4g-nema4-ip66>

**About KB Electronics** – Since 1967, KB Electronics has dedicated itself to manufacturing the best AC drives and DC drives. KB designs and builds over 200 motor speed control models in the United States to serve the subfractional to 5 HP market. KB's distribution includes over 800 distributor locations in over 30 countries. KB prides itself on being able to provide customization to any of their motor drive products, thereby allowing customers to purchase a product specific to their application. For more information on KB Electronics, visit [kbelectronics.com](http://kbelectronics.com)



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