WEG Provides a Packaged Solution for Medium Voltage Applications

Now WEG offers a complete medium voltage automation solution, including medium voltage motor, variable frequency drive, integral switchgear, and phase shifting transformer – an industry first.

ATLANTA, Georgia, May 20, 2008 – WEG Electric Motors Corp. (www.weg.net), a leading global supplier of motors, drives, controls, transformers, and generators, now offers a comprehensive line of variable frequency drives for powering medium voltage (MV) motors from 500 to 4500 HP. Designated the MVW-01 family, the new drives provide a comprehensive variable speed control solution for medium voltage motors powered from 2300, 3300, and 4160 VAC mains, in critical high volume pumping, mixing, and milling applications across a wide range of industries.

“Our new MVW-01 drives are the most advanced medium voltage drives available in the marketplace, combining robustness, simplicity, reliability, and safety in a compact solution with the latest generation of technology,” said Mitchell Bridgeforth, WEG manager for medium voltage drives. “Customers can specify a 12- or 18-pulse input rectifier configuration that delivers a high power factor to meet stringent IEEE-519 requirements. This powers a multilevel inverter section based on the latest 6.5 kV IGBT power components that reduce harmonic currents to extremely low levels. Both of these sections together with the input circuit breakers, contactors, and transformer deliver better than 98.5 percent efficiency,” he added.

MVW-01 drives are designed with a multiprocessing control architecture powered by a high-performance 32-bit processor with 64-bit bus and floating point capability. Using WEG standard Superdrive programming software, this Windows compatible processor delivers a simple straightforward speed variation
solution for a medium voltage motor that can be controlled using an external PC or an integral digital keypad to upload or download operating parameters and monitor motor performance.

Each MVW-01 drive is delivered in a self-cooled IP41/NEMA 1 enclosure. Power sections are secured with mechanical interlocks, and the main circuit breaker includes an electromechanical interlock, preventing possible entry when the power is on to protect factory workers. Optical isolation between all power and control circuits provides an additional level of safety and security, and the simplified control connections and withdrawable power arms within the inverter section speed maintenance and rapid repair.

“With the introduction of our new MVW-01 drives, WEG becomes the first single source vendor in the medium voltage world,” Bridgeforth noted, “delivering the MV motor, switchgear, dry or wet phase shifting transformer, and variable frequency drive in a fully integrated package. Such a fully integrated solution should pay big dividends in terms of maintainability and performance for these critical prime movers of industry.”

For more information on WEG’s MVW-01 medium voltage variable frequency drives, go to www.weg.net or call 1-800-ASK-4WEG.

About WEG Electric Motors Corp.

Founded in 1961, WEG Electric Motors has grown into a global solutions provider of industrial electrical technologies. WEG is the largest industrial electric motor manufacturer in the Americas and one of the largest manufacturers of electric motors in the world producing over ten million units annually. Committed to growth on a global scale, WEG continually invests in state-of-the-art manufacturing facilities and processes, and the development of new and
improved industrial electrical solutions. WEG offers a diverse and integrated product line that includes motors, drives, controls, transformers, and generators. WEG has committed to an R&D investment of 3% of annual, global sales.

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