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## New Gearmotors Offer More Torque, More Power, and Backward Compatibility

Parallel shaft gearmotors powered by 1/2 HP (373 W), single-phase AC electric motors deliver 800 in-lb (90.2 N-m) continuous torque

St. Charles, IL. - September 22, 2008 - Until now, engineers designing equipment requiring heavy duty torque and power from a standard 115 volt wall outlet faced a frustrating challenge. Few, if any, standard single-phase AC gearmotors offered as much as 800 in-lbs continuous torque output. To fulfill that requirement, [Bison Gear & Engineering Corp.](#) introduces its new one-half horsepower (373 watt) [VWDIR40 gearmotors](#) in 3 standard, off-the-shelf models. With gear ratios of 19:1, 28:1 and 56:1, they offer corresponding output speeds of 92, 62 and 31 RPM, and continuous torque ratings of 287, 400 and 800 in-lbs (32.4, 45.2 and 90.4 N-m), respectively. These Bison drop-in replacements for VW40 gearmotors feature split phase, open drip-proof AC motors and integral gear reducers with all-position foot-mounting and grease lubrication for long life.

"For their size, these are high torque, single-phase AC gearmotors with a rugged 400 pound (182 kg.) overhung load capability. That makes them ideal in such high torque applications as electromechanical pool covers and bleachers, compactors, can crushers, conveyors, commercial garage door operators and a wide variety of poultry and other agricultural equipment" said Gary Dorough, Bison Gear Regional Sales Manager. "The torque and power capability of this package are also greater than what most competitors offer in a comparable size gearmotor."

Bison's new [VWDIR40 parallel shaft AC gearmotors](#) are available with U.L. and CSA recognition and are supported by Bison's Innopreneurial(TM) application and design engineering capabilities to customize standard models to meet specific OEM needs. Customers' shortened supply chain requirements are fulfilled by the units being manufactured in Bison Gear's St. Charles,

Illinois facilities to the highest quality standards to ensure dependable, long-life operation.

The [VWDIR40 AC gearmotors](#) are the latest addition to Bison Gear's rapidly expanding line of Von Weise Drop-In Replacement gearmotors, which is now made up of more than 80 standard models of AC and DC parallel shaft and right angle gearmotors.

### **About Bison Gear & Engineering Corp.**

Founded in 1960, Bison Gear & Engineering Corp. designs and manufactures fractional horsepower electric motors, gearmotors and gear reducers used in industrial and commercial OEM applications worldwide. Bison's strong engineering tradition, based on Robusticity (TM) principles, offers products with up to twice as much torque in the same package size as competitors. Bison employs over 270 associates in its St. Charles, Illinois facility which produces gearmotors and reducers in parallel shaft and right angle configurations, as well as AC and DC motors, for applications where dependability and long lifetimes are important. [www.bisongear.com](http://www.bisongear.com).

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