Dietz Electric Showcases NEMA Premium Motor Selection as ABB Motors Distributor

November 14, 2026

MILWAUKEE, WI - November 14, 2026 -
Dietz Electric Co., Inc. is drawing attention to its full range of ABB NEMA and IEC electric motors, giving industrial buyers one source for general purpose, severe duty, explosion-proof, and pump motor lines. As an ABB motors distributor, the company is highlighting the selection to help plant engineers and maintenance teams match motor choices to efficiency targets and operating conditions.

The ABB lineup available through Dietz Electric covers ratings from 1 horsepower aluminum-frame general purpose units up to 800 horsepower severe duty and pump motors. Many of the lines are designed to NEMA Premium efficiency levels and are rated inverter duty under NEMA MG1 Part 31, which allows them to run direct on line or with variable frequency drives.

"Most of the calls that come in are about uptime and energy use, and the ABB range lets the team answer both questions with a motor that is built for the job," said Mark Henson, Owner of Dietz Electric. "A customer running a conveyor in a clean warehouse and a customer running a pump on a refinery site need very different equipment, and this lineup covers that whole spread."

For general industrial work, Dietz Electric supplies the ABB GP100A and GP100 series. The GP100A uses an aluminum frame that weighs less than comparable rolled-steel designs and is suited to pumps, fans, conveyors, and compressors from 1 to 20 horsepower. The cast-iron GP100 extends that range to 200 horsepower and applies finite element analysis to place material where it resists stress and vibration.

The ABB SD100 and SD200 severe duty motors are aimed at harsh environments in chemical processing, mining, foundries, pulp and paper, and waste management. The SD100 covers 1 to 400 horsepower with Class I, Division 2 ratings as standard, while the SD200 runs from 125 to 800 horsepower and is designed to meet or exceed NEMA Premium and U.S. Department of Energy efficiency requirements.

Dietz Electric also offers ABB motors built to IEEE Standard 841 for petroleum and chemical industry service. These versions include Inpro/Seal bearing isolators on both ends, automatic grease relief fittings to prevent over-greasing, low vibration levels of 0.06 inches per second, and a five-year warranty. The related SD661 model complies with the API 661 standard for belt-driven air-cooled heat exchangers used in the petrochemical and energy sectors.

For hazardous locations, the ABB XP100 explosion-proof line is UL listed and CSA certified for Class I, Groups C and D, and Class II, Groups F and G, Division 1 environments. A drill rig duty variant is certified for Class I, Group D, Division 1 locations, which supports oil and gas drilling operations where ignition risks are present.

The company's catalog extends into IEC flameproof equipment as well. ABB low voltage flameproof motors carry IECEx and ATEX certification and span 0.55 to 950 kilowatts, with variants suited to marine use and oil and gas standards such as Norsok. High voltage flameproof models reach 8,000 kilowatts at voltages up to 11 kilovolts and do not require purging or pressurization systems before starting.

Pump applications are addressed through the ABB LP100 and HP100 vertical solid shaft motors and the DP200 horizontal pump system motors. The vertical models meet API 610 and IEEE 841 requirements and offer high and extra high thrust options, while the DP200 covers 450 to 800 horsepower with stator temperature detectors and provisions for bearing and vibration monitoring. The ABB SD10 multi-speed line serves cooling towers and refrigeration systems that require more than one base speed.

"Getting the specification right at the start saves a lot of trouble later," Henson said. "The goal is to help customers understand the differences between these lines so the motor that arrives is the one that fits their power transmission setup, their enclosure needs, and their hazardous area classification."

ABB is one of several manufacturers represented by Dietz Electric. The company also distributes electric motors from Siemens, TECO, Leeson, Hyundai, Worldwide Electric, and other brands, along with gear

reducers, motor controls, and variable frequency drives from suppliers including Yaskawa, SEW Eurodrive, and Bonfiglioli.

In addition to new equipment sales, Dietz Electric provides electric motor repair services and servo motor repair and testing. The company is affiliated with industry organizations including the Electrical Apparatus Service Association, NEMA, and IEEE, and it supports customers that need both replacement motors and rebuild work on existing assets.

Through a shipping partnership with DHL, Dietz Electric is able to send products to customers anywhere in the world. This allows facilities outside the region to source ABB motors and related industrial components through the company.

For more information about the ABB motor lines and other products offered by Dietz Electric Co., Inc., visit https://www.dietzelectric.com/motors/motors-abb/.

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Dietz Electric Co. Inc.

Dietz Electric is an expert in electrical and mechanical repair, machine shop services, motor testing and electronic drive and controller repairs.

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