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Pictured from the development and design team at Marathon Electric: Left to Right: Kent Leick, John Schmidt, Dale Romanowski, Chuck Straub, Brad Heil and Rick Munz

MARATHON ELECTRIC INTRODUCES ONE "BIG MOTOR" - THE 6805 FRAME, DRIPPROOF FORCE-VENTILATED BLUE MAX®

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Wausau, WI - Marathon Electric Manufacturing Corporation, a REGAL-BELOIT Company, recently expanded its maximum horsepower capabilities by introducing the 6805 frame, dripproof force-ventilated Blue Max® motor. The 1250 hp, 1800 rpm motor is the largest diameter and highest horsepower motor that Marathon Electric and REGAL-BELOIT has to offer.

Rick Munz, Product Manager, Marathon Electric, states, "The new 6805 frame motor extends our horsepower capabilities to 1250 hp. Depending upon customer requirements, both mechanically and electrically, the 6805 Frame can be a very cost-effective alternative to 5013 and 5800 frame designs."

Munz continues, "The 6805 frame motor has a 17" shaft height and weighs approximately 6,000 lbs. Its dripproof force-ventilated configuration is an ideal design for use with variable frequency drives and accommodates the addition of encoders, brakes and other accessories. It has many high horsepower applications, including plastic extrusion, blowers, compressors, pumps, injection molding equipment and other machinery."

John Schmidt, Supervisor for Large Motor Development Engineering states, "In 2004, several sales opportunities developed requesting motors which exceeded 800 hp. Our team recognized the potential of this product and knew that by investing in additional tooling and components, we could expand our horsepower ratings, increase application capability, and greatly improve the potential for this product."

The product development and design group consisted of members from Marathon Electric Marketing, Large Motor Development Engineering, and Wausau Manufacturing. The project, which began in mid-2004, started with few existing components and was developed in a rigorous and aggressive process which resulted in the first order being shipped in April, 2005. The design flexibility allows creating new models in a short time period, resulting in shorter lead times.

Marathon Electric manufactures one of the most extensive lines of AC and PMDC motors on the

market today, from 1/12 through 1250 hp, in open, totally enclosed and explosion proof enclosures. Based in Wausau, WI, the company operates several U.S. manufacturing plants, with sales and service offices worldwide.

REGAL-BELOIT CORPORATION (NYSE:RBC) is a leading manufacturer of mechanical and electrical motion control and power generation products serving markets throughout the world. Headquartered in Beloit, WI, REGAL-BELOIT has manufacturing, sales, and service facilities throughout the United States, and in Mexico, Canada, Europe and Asia.

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