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**TOSHIBA'S NEWEST HVAC ADJUSTABLE SPEED DRIVE, Q9, WINS
PLANT ENGINEERING PRODUCT OF THE YEAR AWARD**



Toshiba International Corporation, January 16, 2009 -- Toshiba is proud to announce that its newest adjustable speed drive for the HVAC market, the Q9, has won the *Plant Engineering* 2008 Product of the Year Award.

The annual Product of the Year recognition, now in its 21st year, is the manufacturing industry standard for new product achievement. According to Bob Vavra, editor of *Plant Engineering* magazine, winners are selected by a vote of qualified *Plant Engineering* subscribers. Since voters buy, specify, and use these products on a daily basis, they are the most qualified to understand how new products reduce energy costs, ensure safety, and improve productivity in manufacturing facilities.

The Product of the Year awards will be presented at the 2009 *Plant Engineering* Manufacturing Summit, to be held March 29-31 in Charleston, SC. Awards will be presented at the Product of the Year dinner on Monday, March 30 at 6:30 p.m. at the Charleston Place Hotel, site of this year's Manufacturing Summit.

The Q9 is designed for commercial variable torque applications such as fans and pumps for VAV Systems, cooling towers, and pump systems. The Q9 is offered in 460 V, 1 to 100 HP and 230 V, 1 to 60 HP. The Q9 is user-friendly and provides the most popular features found in other Toshiba drives. It has an overload rating of 100% continuous and 110% for one minute. The Q9 features damper-permissive control which prevents the drive from running when the dampers are closed. This feature is available for use in bypass mode and if the drive is being used alone. The drive also offers a *Low Output Disable* function which forces the drive to zero-speed if it operates at the lower limit frequency for a user-defined time span, commonly referred to as the *Sleep* function. This allows for additional energy savings during times when there is not a demand for heating or cooling. The Q9's *Speed Search* function allows the drive to detect the speed and direction, and then adjust to a spinning motor in case of power outage.

In addition to the popular drive features mentioned above, the Q9 sets a new standard for HVAC drives. The Q9 comes standard with an EMI filter that reduces the amount of ASD generated RF/EMI interference that can negatively affect the operation of sensors, relays, and other electronic devices on the same electrical system. This grounding capacitor brings the Q9 into compliance with the electromagnetic compatibility (EMC) directive. The Q9 is capable of communicating with the American Society of Heating, Refrigerating, and Air-Conditioning Engineers (ASHRAE) approved communication protocol, BACnet. In addition, the drive contains a PID setup sub-menu that allows for quick PID control configuration.

Plant Engineering provides strategic manufacturing knowledge to help plant managers operate their respective business efficiently, effectively, and safely. Information on automation, electrical systems, mechanical operations, and maintenance allows plant managers and plant engineers the knowledge needed to perform their job in a modern manufacturing plant. *Plant Engineering* magazine is delivered on a monthly basis free of charge to over 90,000 subscribers, and has been providing strategic manufacturing knowledge to plant managers since 1947. For more information on *Plant Engineering* visit www.plantengineering.com.

Toshiba International Corporation (TIC), located in Houston, Texas, is a Toshiba America Inc. (TAI) Group Company, a wholly-owned subsidiary of Toshiba Corporation, and is a world leader in the design and manufacture of adjustable speeds drives, motors, motor controls, uninterruptible power systems, LED displays, and network and automation system products. TIC has a proud tradition of quality, innovation, reliability, and a commitment to customer service.

TIC entered the adjustable speed drives market in 1981 and since then has steadily grown this sector of business. By following the most stringent standards, TIC's drives division has set a new benchmark in innovation, reliability, size, and safety. Today TIC produces low and medium voltage adjustable speed drives ranging from fractional to 10,000 HP and 230 to 4160 V. These drives are suitable for virtually any application and any environment.

For more information on the Q9 adjustable speed drive please contact HVAC Product Manager Krystal Moore by calling (800) 231-1412 x 3745 or via email at Krystal.Moore@tic.toshiba.com. Further information on Toshiba's adjustable speed drive products may also be found by visiting www.toshiba.com/ind.