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HITACHI INTRODUCES HIGH PERFORMANCE AC DRIVES

TARRYTOWN, NY, January 12, 2009, Hitachi America, Ltd., Industrial Systems Division, today announced the introduction of the SJ700 Series of inverters. The SJ700 significantly expands on the performance, capabilities and functions of its predecessor, the SJ300.

Hitachi reasserts its technological leadership with an improved sensor-less vector (SLV) control algorithm that enables the SJ700 to develop more than 200% starting torque at 0.3 Hz. The SJ700 can develop 150% torque at 0 Hz, ideal for vertical lift applications, using Hitachi's unique "0 Hz Domain" open-loop control mode. Hitachi has also greatly simplified the auto-tuning process, making commissioning trouble-free.

A noteworthy enhancement in the SJ700 is Hitachi's EzSQ (Easy Sequence) built in programming function. It's like having a PLC built into the inverter! In many cases, the need for a separate PLC can be eliminated. The program is developed on a PC and then downloaded to the inverter using the simple to use EzSQ software provided at no charge.

The SJ700 also incorporates true servo-like position control, offering a low-cost motion control solution. Mated with a general-purpose induction motor with an encoder, the SJ700 is given a position command, speed command, and acceleration/deceleration times. The shaft will move from position A to position B following the defined profile and then maintain the shaft in servo lock status.

Hitachi has also packed many new features into the SJ700. Features such as, but not limited to include, patented micro-surge voltage suppression (to protect the motor winding insulation), advance trip avoidance functions, configurable sink/source logic on I/O, built-in dynamic braking circuit in models up to 30 hp (22 kW) and built-in EMC filter up to 75 hp (55 kW), have been added.

The SJ700 also includes anticipated features, such as built-in RS485 Modbus/RTU communication, and options for other communications networks, such as Ethernet Modbus/TCP, DeviceNet, Profibus and LonWorks. The SJ700 can be configured via the front-mounted keypad or using Hitachi's ProDrive PC-based software.

The SJ700 carries CE, UL, cUL and c-Tick marks, and is RoHS compliant, exemplifying a true global product. The SJ700 series will be released in stages, with the 250 hp to 500 hp ratings currently available. Other power ranges from 200 hp and down will be released later this year.

ABOUT HITACHI

Hitachi America, Ltd., Industrial Systems Division supplies a broad range of Industrial Infrastructure products and services. The division supplies market sophisticated electrical and electronic industrial equipment and components for application in pharmaceutical plants, food and beverage processing, steel making, mass transit systems, chemical plants, and other manufacturing facilities.

Hitachi America, Ltd., a subsidiary of Hitachi, Ltd., markets and manufactures a broad range of electronics, computer systems and products, and provides industrial equipment and services throughout North America. For more information, visit www.hitachi-america.us.

Hitachi, Ltd., (NYSE: HIT / TSE: 6501), headquartered in Tokyo, Japan, is a leading global electronics company with approximately 390,000 employees worldwide. Fiscal 2007 (ended March 31, 2008) consolidated revenues totaled 11,226 billion yen (\$112.2 billion). The company offers a wide range of systems, products and services in market sectors including information systems, electronic devices, power and industrial systems, consumer products, materials, logistics and financial services. For more information on Hitachi, please visit the company's website at <http://www.hitachi.com>.



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