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## **HITACHI INTRODUCES LARGE CAPACITY AC DRIVES**

TARRYTOWN, NY, January 2, 2008 -- Hitachi America, Ltd., Industrial Systems Division, today announced the introduction of the high-capacity SJ700 Series of inverters. The SJ700 extends Hitachi's model range up to 500 hp, and significantly expands on the performance, capabilities and functions of the SJ300. Three models, 250 hp, 400 hp and 500 hp are being released at this time. The SJ300 remains to cover the range from 200 hp and below.

Hitachi reasserts its technological leadership with an improved Sensorless Vector (SLV) control algorithm that enables the SJ700 to develop more than 150% starting torque at 0.3 Hz. Using Hitachi's unique "0 Hz Domain" open-loop control mode, the SJ700 can develop 130% torque at 0 Hz, ideal for vertical lift applications. At the same time, Hitachi has greatly simplified the autotuning process, making commissioning trouble-free.

Another noteworthy enhancement in the SJ700 is Hitachi's Easy Sequence ( EzSQ) built in programming function. It's like having an Industrial Control System (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.

As if those improvements were not enough, Hitachi has packed other new features into the SJ700, such as patented Micro Surge Voltage suppression (to protect the motor winding insulation), advance trip avoidance functions, configurable sink/source logic on I/O, and much more.

The SJ700 also has features you've come to expect, 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.

A global product, the SJ700 carries CE, UL and c-Tick marks, and is RoHS compliant.

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For more information, please contact [www.hitachi.us/inverters](http://www.hitachi.us/inverters) or [inverterinfo@hal.hitachi.com](mailto:inverterinfo@hal.hitachi.com).

Hitachi America, Ltd., Industrial Systems Division supplies a broad range of Industrial Infrastructure products and services. The division supplies markets sophisticated electrical and electronic industrial equipment and components for application in pharmaceutical plants, food & 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 consumer electronics, and provides industrial equipment and services throughout North America. For more information, visit <http://www.hitachi.us>.

Hitachi, Ltd., (NYSE: HIT / TSE: 6501), headquartered in Tokyo, Japan, is a leading global electronics company with approximately 384,000 employees worldwide. Fiscal 2006 (ended March 31, 2007) consolidated revenues totaled 10,247 billion yen (\$86.8 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 and financial services. For more information on Hitachi, please visit the company's website at <http://www.hitachi.com>.



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