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## **HITACHI INTRODUCES NEW HiVAC INVERTERS AND HiPASS BYPASS PACKAGES FOR OPTIMUM ENERGY SAVINGS**

TARRYTOWN, NY, September 1, 2004 -- Hitachi America, Ltd., Power and Industrial Division, today announced its new HiVAC Series of inverters. The HiVAC inverters are ideal for a wide variety of variable torque applications, including fans, cooling towers and pumps. HiVAC features include: PID (Proportional-Integral-Derivative) control and automatic energy savings, anti-wind-milling, loss of reference signal, intelligent terminal systems, three (3) programmable output relays, and RS485 communications.

HiVAC with SC-OPE3H enhanced HVAC LCD keypad will have embedded Building Automation System protocols such as Johnson Controls Metasys® N2, Siemens APOGEE™FLN, MODBUS-RTU, BACNET®. An optional LonWorks® interface card also is available. The LCD keypad is also equipped with Hand/Off/Auto, Quick Menu, Read/Write function.

The HiPASS bypass package is designed for crucial applications so that no system downtime can occur and the customer's system can remain in operation. In HVAC applications, this allows heating or cooling to be maintained at all times. With use of standard PID control, desired temperature can be accurately maintained.

The HiPASS Package has been designed for ease of drive commissioning and system setup. The compact and space saving NEMA 1 Side by Side Wall mountable enclosure design allows for use of minimum wall space. All HiPASS Package internal components are easily accessible due to thoughtful design practices. The HiPASS user-friendly customer terminal strip allows access to the HiVAC drive's intelligent inputs, analog inputs and BAS (Building Automation Systems) connections.

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., Power & Industrial Division supplies a broad range of Industrial and Power generation products and services. The division supplies major equipment to power generation and distribution facilities, including hydroelectric, thermal and nuclear power plants. The division also supplies sophisticated 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), headquartered in Tokyo, Japan, is a leading global electronics company with approximately 326,000 employees worldwide. Fiscal 2003 (ended March 31, 2004) consolidated sales totaled 8,632.4 billion yen (\$81.4 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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