



For Immediate Release
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Nidec Motor Corporation Introduces Two New Vertical Motor Products
Insulated bearings and shaft grounding provisions will be optional features

St. Louis, MO (September 30, 2012)— Nidec Motor Corporation announces the addition of two new products to the U.S. MOTORS® brand family of TITAN® vertical pump motors. The new **5812** and **5813 Frame Vertical** motors are designed for use in the pumping industry and have several noticeable improvements over predecessor products.

First, the U.S.-made TITAN® II motors are manufactured using a cast iron frame, instead of a fabricated frame. "The cast iron frame allows us to produce the winding and frame assembly in parallel rather than in series, further reducing our production time," said Tim Albers, director of marketing, Nidec Motor Corporation. "What this means for the customer is faster delivery, since we've eliminated the time involved in fabricating the frame. The new motors also incorporate our latest, improved rotor fabrication process for extra reliability."

Options for the **5812** and **5813 Frame Vertical Titan II** motors include an inverter duty feature with insulated bearings and shaft grounding provisions. Bearing and winding temperature detectors are also available. Both frame sizes are custom built, based on customer specifications and requirements.

The **5813 frame TITAN II** includes WPI and WP11 (weather protected) enclosures, and ranges from 250 hp to 1750 hp depending on the required speed. The new motor is available as either HOLLOSHAFT or solid shaft in both low and medium voltage. In addition, the 5813 frame features oil-lubricated bearings with high and extra-high thrust capacity. Normal and medium thrust motors use grease lubricated bearings. The motor is offered in both standard and premium efficiencies.

The **5812 frame TITAN II** is built with a totally enclosed fan cooled (TEFC) enclosure for use in applications in the mining, oil and gas and other severe duty industries. It is available in speed ranges from 400 to 1800 RPM and from 200 hp to 1250 hp. The 5812 frame vertical can be manufactured to meet American Petroleum Industry (API) 610 standards.

The **5812 and 5813 Frame Vertical TITAN II** motors are an extension of Nidec's existing TITAN II line, which includes 5008 and 5012 frame motors. The 5812 and 5813 can be provided with or without Nidec's trademark Ball-o-Matic® non-reverse ratchet. The 5813 frame is currently in production and is immediately available to pump manufacturers. Nidec will begin accepting quotes on the 5812 frame in November 2012 with expected production in the second quarter of 2013 calendar year.

U.S. MOTORS® brand vertical motors have been a standard in the pumping industry since 1922. These motors are recognized for their longevity, reliability and ease of use for virtually any centrifugal pump application in every major stage of water treatment and processing.

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About Nidec Motor Corporation: Nidec Motor Corporation (NMC) is a leading manufacturer of commercial, industrial, and appliance motors and controls. The NMC product line features a full line of high efficiency motors, large and small, which serve Industrial, residential and commercial markets in applications ranging from water treatment, mining, oil and gas and power generation to pool and spa motors, air conditioning condensers, rooftop cooling towers and commercial refrigeration. It also makes motors, controls and switches for automotive and commercial markets. Brands include U.S. Motors[®], SR Drives[®], Hurst[®], Rescue[®], ECOTECH EZ[™].

Nidec SR Drives Ltd, a Nidec subsidiary, is based at the Nidec Motor UK Technology Centre in Harrogate, UK and operated by NMC specializing in the design and development of new products using advanced brushless motors and controls with a primary focus on SR technology.

Parent company Nidec Corporation (NYSE: NJ) is the world's leading manufacturer of small precision motors, including motors used in hard disk drives and optical disk drives. The company has extended its focus beyond the information storage motor market to the home appliance and automotive markets, where it sees high future growth potential. For more information, visit www.nidec-motor.com.