CORRO-DUTY®
Vertical HOLLOSHAFT®
Inverter Duty Motors
In Stock Totally Enclosed Fan Cooled,
Premium Efficient Vertical Motors

Horsepower: 5–300 HP
Poles: 2 & 4 (3600 & 1800 RPM)
Rated Voltage: 230/460V or 460V 60Hz
Frame Size: 184-449

ENCLOSURE: Totally Enclosed Fan Cooled (TEFC)
Efficiency Level: NEMA Premium®† Efficient, Inverter Duty

Product Overview
All cast iron, U.S. MOTORS® brand CORRO-DUTY® Vertical HOLLOSHAFT® Inverter Duty Motors are now in stock. CORRO-DUTY® Vertical HOLLOSHAFT® Inverter Duty motors are designed with a 1.0 service factor (1.15 S.F. on sinewave power) with full Class H insulating materials designed to withstand the steep-wave-front voltage impressed by the VFD waveform and are designed to run smoother and cooler on inverter power supplies, which can lead to improved system efficiency and reliability.

Product Features
- CORRO-DUTY – all cast iron construction
- Class H INVERTER GRADE® insulation
- Class B rise at full load (sine wave power)
- 1.15 Service Factor (sine wave power)
- Inverter duty per NEMA®† MG-1 Part 31 at 1.0 S.F.
- Maximum 40°C ambient, 3,300 feet altitude
- Premium Efficient design
- Thrust capacities among highest in industry
- Special balance
- 115-volt space heater
- Internal AEGIS®† Shaft Grounding Ring
- Upper insulated bearing 400 Frame & Up
- Non-Reverse Ratchet, BALLOMATIC®
  - First technology of its kind in the market
  - Prevents reverse rotation
- LUBRIPORT® oil sight level window on 400 Frame & up

Conversion Options
- Coupling (change to alternate)
- P-Base (change to alternate diameter)
- Fire pump label
- Special paint
- Steady bushing
- Tests – short commercial or complete initial

www.usmotors.com
CORRO-DUTY VHS INVERTER DUTY FL600 MODELS Rev. 05/19

Nidec
NIDEC MOTOR CORPORATION
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Note 51 equipped with winding thermostat
Note 97 inverter duty with inverter grade insulation
Note D includes internal shaft grounding ring
Note E includes internal shaft grounding ring and upper insulated bearing

For additional information, please refer to our Full Line Standard Motor Catalog (FL600) or contact your Nidec Motor Corporation representative.

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