

# International Duty Vertical HOLLOSHAFT® Motors

Weather Protected I (WPI),  
Premium Efficient (IE3) Vertical Motors



## Specifications

**Horsepower:** 50-350 HP

**Poles:** 4 (1800 RPM or 1500 RPM)

**Rated Voltages:** 220/380-440 60Hz  
Models and 380-415 50Hz Models

**Frame Size:** 326-449

**Enclosure:** Weather Protected I (WPI)

**Efficiency Level:** NEMA Premium®†  
Efficient, IE3 Efficient

## Product Overview

U.S. MOTORS® brand International Duty Vertical HOLLOSHAFT® models are now available. The design voltages of these premium efficient motors allow for installation in countries such as Chile, Colombia, Egypt, Indonesia, Israel, Philippines, Saudi Arabia, Singapore, Taiwan, Thailand, United Arab Emirates, and Venezuela.

The U.S. MOTORS® brand Vertical HOLLOSHAFT® motor has been a standard in the pumping industry since 1922. These motors are recognized for their longevity, reliability, and ease of use.

## Product Line Overview

- Class F insulation
- Class B rise at full load
- 1.15 Service Factor (sine wave power)
- Maximum 50°C ambient, 3,300 feet altitude
- Premium Efficient (IE3) design
- Wye start-delta run
- Thrust capacities among highest in industry
- 230-volt space heater
- Special balance
- Drive end shaft slinger
- LUBRIPORT® oil sight level window on 400 Frame & up
- Non-Reverse Ratchet, BALLOMATIC®
  - The first technology of its kind in the market
  - Prevents reverse rotation



BALLOMATIC®  
Ratchet



## Product Line Overview

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

## Vertical HOLLOSHAFT® High Thrust Motors - “P” Base, Three Phase WPI INTERNATIONAL DUTY Premium Efficient (IE3)

### 60 Hz, 220/380-440 Volt, 12 Lead Wye-Delta

| HP  | RPM  | Volts       | Frame   | Catalog Number | Type | List w/ NRR | List w/ SRC | NEMA Nom. Eff. | Down Thrust (lbs) | Base Dia. (in.) | Cplg Height (in.) | Cplg BX (in.) | Cplg Key Size | Ship Wt. (lbs.) | Notes |
|-----|------|-------------|---------|----------------|------|-------------|-------------|----------------|-------------------|-----------------|-------------------|---------------|---------------|-----------------|-------|
| 50  | 1800 | 220/380-440 | 326TP   | HO50P2RLG      | RUS  | \$9,000     | \$8,423     | 94.5           | 5700              | 16.5            | 28-7/32           | 1-3/16        | 1/4           | 675             | 53    |
| 60  | 1800 | 220/380-440 | 364TP   | HO60P2RLG      | RUS  | \$10,480    | \$9,818     | 95.0           | 5700              | 16.5            | 31-5/32           | 1-3/16        | 1/4           | 730             | 53    |
| 75  | 1800 | 220/380-440 | 365TP   | HO75P2RLG      | RUS  | \$12,460    | \$11,652    | 95.4           | 5700              | 16.5            | 31-5/32           | 1-3/16        | 1/4           | 800             | 14,53 |
| 100 | 1800 | 220/380-440 | 404TP   | HO100P2RLG     | RUS  | \$15,814    | \$14,795    | 95.4           | 6700              | 16.5            | 36-15/16          | 1-3/16        | 1/4           | 1110            | 53    |
| 125 | 1800 | 220/380-440 | 405TP   | HO125P2RLG     | RUS  | \$19,546    | \$18,311    | 95.4           | 6700              | 16.5            | 36-15/16          | 1-1/2         | 3/8           | 1200            | 53    |
| 150 | 1800 | 220/380-440 | H444TP  | HO150P2RLG     | RUS  | \$25,251    | \$23,951    | 95.8           | 9800              | 16.5            | 44-25/32          | 1-1/2         | 3/8           | 1500            | 53    |
| 200 | 1800 | 220/380-440 | H445TP  | HO200P2RLG     | RUS  | \$31,851    | \$30,504    | 96.2           | 9800              | 16.5            | 44-25/32          | 1-1/2         | 3/8           | 1600            | 53    |
| 250 | 1800 | 220/380-440 | H445TPA | HO250P2RLH     | RUS  | \$41,592    | \$40,245    | 96.2           | 9800              | 20              | 44-25/32          | 1-11/16       | 3/8           | 1600            | 53    |
| 300 | 1800 | 220/380-440 | 447TPA  | HO300P2RLHX    | RUS  | \$48,289    | \$46,730    | 96.2           | 17150             | 20              | 49-25/32          | 1-11/16       | 3/8           | 2200            | 53    |
| 350 | 1800 | 220/380-440 | 447TPA  | HO350P2RLHX    | RUS  | \$54,205    | \$52,646    | 96.2           | 17150             | 20              | 49-25/32          | 1-11/16       | 3/8           | 2200            | 53    |

Note 14 NEMA Design A  
Note 53 Synthetic Oil required

### 50 Hz, 380-415 Volt, 6 Lead Wye-Delta

| HP  | RPM  | Volts   | Frame  | Catalog Number | Type | List w/ NRR | List w/ SRC | NEMA Nom. Eff. | Down Thrust (lbs) | Base Dia. (in.) | Cplg Height (in.) | Cplg BX (in.) | Cplg Key Size | Ship Wt. (lbs.) | Notes |
|-----|------|---------|--------|----------------|------|-------------|-------------|----------------|-------------------|-----------------|-------------------|---------------|---------------|-----------------|-------|
| 50  | 1500 | 380-415 | 326TP  | HO50P2TLG      | RUS  | \$9,770     | \$9,193     | 93.9           | 5700              | 16.5            | 28-7/32           | 1-3/16        | 1/4           | 675             | 53    |
| 60  | 1500 | 380-415 | 364TP  | HO60P2TLG      | RUS  | \$11,393    | \$10,731    | 94.3           | 5700              | 16.5            | 31-5/32           | 1-3/16        | 1/4           | 730             | 53    |
| 75  | 1500 | 380-415 | 404TP  | HO75P2TLG      | RUS  | \$14,916    | \$13,897    | 94.8           | 6700              | 16.5            | 36-15/16          | 1-3/16        | 1/4           | 1110            | 53    |
| 100 | 1500 | 380-415 | 404TP  | HO100P2TLG     | RUS  | \$17,152    | \$16,133    | 95.0           | 6700              | 16.5            | 36-15/16          | 1-3/16        | 1/4           | 1110            | 53    |
| 125 | 1500 | 380-415 | H444TP | HO125P2TLG     | RUS  | \$23,817    | \$22,517    | 95.4           | 9800              | 16.5            | 44-25/32          | 1-1/2         | 3/8           | 1500            | 53    |
| 150 | 1500 | 380-415 | H444TP | HO150P2TLG     | RUS  | \$27,416    | \$26,116    | 95.5           | 9800              | 16.5            | 44-25/32          | 1-1/2         | 3/8           | 1500            | 53    |
| 200 | 1500 | 380-415 | H445TP | HO200P2TLG     | RUS  | \$34,528    | \$33,181    | 95.8           | 9800              | 16.5            | 44-25/32          | 1-1/2         | 3/8           | 1600            | 53    |
| 250 | 1500 | 380-415 | 447TPA | HO250P2TLH     | RUS  | \$51,127    | \$49,568    | 96.0           | 9800              | 20              | 49-25/32          | 1-11/16       | 3/8           | 2200            | 53    |
| 300 | 1500 | 380-415 | 449TPH | HO300P2TLH     | RUS  | \$57,286    | \$55,716    | 96.0           | 9500              | 20              | 49-13/16          | 1-11/16       | 3/8           | 2800            | 53    |
| 350 | 1500 | 380-415 | 449TPH | HO350P2TLH     | RUS  | \$60,906    | \$59,336    | 96.0           | 9500              | 20              | 49-13/16          | 1-11/16       | 3/8           | 2800            | 53    |

Note 53 Synthetic Oil required

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

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