

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, China, Colombia, Egypt, Indonesia, Israel, Philippines, Saudi Arabia, Singapore, Taiwan, Thailand, United Arab Emirates, and Venezuela.

In addition, these wye start delta run connected motors meet the requirements of UL^{®†} 1004-5 and NFPA^{®†}-20, which allows with adder the addition of the UL Listed Fire Pump label and the 50Hz models can be re-rated to 400V. 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)
- Fire pump label
- Special paint
- Steady bushing
- Tests – short commercial or complete initial

Vertical HOLLOWSHAFT® 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,FP
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,FP
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
	1800	220/380-440	404TP	HO75P2RGLG	RUS	\$14,952	\$13,982	95.4	5700	16.5	36-15/16	1-3/16	1/4	1110	53,FP
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,FP
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,FP
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,FP
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,FP
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,FP
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,FP
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,FP

Note 14 NEMA Design A
 Note 53 Synthetic Oil required
 Note FP UL® Listed Firepump label available with adder.

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,FP
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,FP
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,FP
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,FP
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,FP
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,FP
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,FP
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,FP
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,FP
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,FP

Note 53 Synthetic Oil required
 Note FP UL® Listed Firepump label available with adder.

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

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INTERNATIONAL DUTY VHS FL600 MODELS Rev. 12/19



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