

# 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

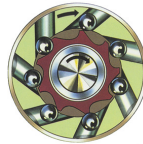
All cast iron, U.S. MOTORS® brand CORRO-DUTY® Vertical HOLLOSHAFT® Inverter Duty Motors are now in stock.

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



BALLOMATIC®  
Ratchet



## 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

**Vertical HOLLOSHAFT® High Thrust Motors - "P" Base, Three Phase  
TEFC CORRO-DUTY® Premium Efficient, Inverter Duty**

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
5	3600	230/460	184TP	CHT5V1BLE	TUCI	\$3,893	\$3,560	88.5	2200	10	17-1/2	1	1/4	180	51,97,D
	3600	575	184TP	CHT5V1GLE	TUCI	\$3,893	\$3,560	88.5	2200	10	17-1/2	1	1/4	180	51,97,D
	1800	230/460	184TP	CHT5V2BLE	TUCI	\$3,654	\$3,321	89.5	2500	10	17-1/2	1	1/4	180	51,97,D
	1800	575	184TP	CHT5V2GLE	TUCI	\$3,654	\$3,321	89.5	2500	10	17-1/2	1	1/4	180	51,97,D
7 1/2	3600	230/460	213TP	CHT7V1BLE	TUCI	\$4,044	\$3,701	89.5	2200	10	17-1/2	1	1/4	220	51,97,D
	3600	575	213TP	CHT7V1GLE	TUCI	\$4,044	\$3,701	89.5	2200	10	17-1/2	1	1/4	220	51,97,D
	1800	230/460	213TP	CHT7V2BLE	TUCI	\$3,962	\$3,619	91.7	2500	10	17-1/2	1	1/4	220	51,97,D
	1800	575	213TP	CHT7V2GLE	TUCI	\$3,962	\$3,619	91.7	2500	10	17-1/2	1	1/4	220	51,97,D
10	3600	230/460	215TP	CHT10V1BLE	TUCI	\$4,398	\$4,046	90.2	2200	10	17-1/2	1	1/4	230	51,97,D
	3600	575	215TP	CHT10V1GLE	TUCI	\$4,398	\$4,046	90.2	2200	10	17-1/2	1	1/4	230	51,97,D
	1800	230/460	215TP	CHT10V2BLE	TUCI	\$4,307	\$3,955	91.7	2500	10	17-1/2	1	1/4	230	51,97,D
	1800	575	215TP	CHT10V2GLE	TUCI	\$4,307	\$3,955	91.7	2500	10	17-1/2	1	1/4	230	51,97,D
15	3600	230/460	254TP	CHT15V1BLE	TUCI	\$4,945	\$4,532	91.0	3300	10	22-15/16	1	1/4	395	51,97,D
	3600	575	254TP	CHT15V1GLE	TUCI	\$4,945	\$4,532	91.0	3300	10	22-15/16	1	1/4	395	51,97,D
	1800	230/460	254TP	CHT15V2BLE	TUCI	\$6,019	\$5,596	92.4	3300	10	22-15/16	1	1/4	395	51,97,D
	1800	575	254TP	CHT15V2GLE	TUCI	\$6,019	\$5,596	92.4	3300	10	22-15/16	1	1/4	395	51,97,D
20	1800	230/460	256TP	CHT20V2BLE	TUCI	\$6,703	\$6,215	93.0	3300	10	22-15/16	1	1/4	405	51,97,D
	1800	575	256TP	CHT20V2GLE	TUCI	\$6,703	\$6,215	93.0	3300	10	22-15/16	1	1/4	405	51,97,D
25	1800	230/460	284TPA	CHT25V2BLF	TUCI	\$7,565	\$7,020	93.6	3300	12	26-9/16	1	1/4	500	51,97,D
	1800	575	284TPA	CHT25V2GLF	TUCI	\$7,565	\$7,020	93.6	3300	12	26-9/16	1	1/4	500	51,97,D
30	1800	230/460	286TPA	CHT30V2BLF	TUCI	\$8,337	\$7,727	93.6	3300	12	26-9/16	1	1/4	520	51,97,D
	1800	575	286TPA	CHT30V2GLF	TUCI	\$8,337	\$7,727	93.6	3300	12	26-9/16	1	1/4	520	51,97,D
40	1800	230/460	324TP	CHT40V2BLG	TUCI	\$10,564	\$9,883	94.5	4500	16-1/2	28-1/2	1-1/2	3/8	740	51,97,D
	1800	575	324TP	CHT40V2GLG	TUCI	\$10,564	\$9,883	94.1	4500	16-1/2	28-1/2	1-1/2	3/8	740	51,97,D
50	1800	230/460	326TP	CHT50V2BLG	TUCI	\$12,194	\$11,386	94.5	4500	16-1/2	28-1/2	1-1/2	3/8	750	51,97,D
	1800	575	326TP	CHT50V2GLG	TUCI	\$12,194	\$11,386	94.5	4500	16-1/2	28-1/2	1-1/2	3/8	750	51,97,D
60	1800	460	364TP	CHT60V2CLG	TUCI	\$15,131	\$14,131	95.0	5600	16-1/2	30	1-1/4	1/4	925	51,97,D
	1800	575	364TP	CHT60V2GLG	TUCI	\$15,131	\$14,131	95.0	5600	16-1/2	30	1-1/4	1/4	925	51,97,D
75	1800	460	365TP	CHT75V2CLG	TUCI	\$17,917	\$16,706	95.4	5600	16-1/2	30	1-1/4	1/4	940	51,97,D
	1800	575	365TP	CHT75V2GLG	TUCI	\$17,917	\$16,706	95.4	5600	16-1/2	30	1-1/4	1/4	940	51,97,D
100	1800	460	405TP	CHT100V2CLG	TUCI	\$24,122	\$22,488	95.4	7000	16-1/2	39-15/16	1-1/2	3/8	1600	51,97,E
	1800	575	405TP	CHT100V2GLG	TUCI	\$24,122	\$22,488	95.4	7000	16-1/2	39-15/16	1-1/2	3/8	1600	51,97,E
125	1800	460	444TP	CHT125V2CLG	TUCI	\$33,598	\$31,729	95.4	9300	16-1/2	42-1/2	1-1/2	3/8	1900	51,97,E
	1800	575	444TP	CHT125V2GLG	TUCI	\$33,598	\$31,729	95.4	9300	16-1/2	42-1/2	1-1/2	3/8	1900	51,97,E
150	1800	460	447TP	CHT150V2CLG	TUCI	\$39,655	\$37,373	95.8	9300	16-1/2	46	1-1/2	3/8	2300	51,97,E
	1800	575	447TP	CHT150V2GLG	TUCI	\$39,655	\$37,373	95.8	9300	16-1/2	46	1-1/2	3/8	2300	51,97,E
200	1800	460	447TP	CHT200V2CLG	TUCI	\$52,944	\$49,756	96.2	9300	16-1/2	46	1-11/16	3/8	2300	51,97,E
	1800	575	447TP	CHT200V2GLG	TUCI	\$52,944	\$49,756	96.2	9300	16-1/2	46	1-11/16	3/8	2300	51,97,E
250	1800	460	449TP	CHT250V2CLJX	JUCEI	\$61,776	\$60,424	96.2	15400	24-1/2	56-7/8	1-11/16	3/8	3800	51,97,E
	1800	575	449TP	CHT250V2GLJX	JUCEI	\$61,776	\$60,424	96.2	15400	24-1/2	56-7/8	1-11/16	3/8	3800	51,97,E
300	1800	460	449TP	CHT300V2CLJX	JUCEI	\$67,994	\$66,482	96.2	15400	24-1/2	56-7/8	1-15/16	1/2	3900	51,97,E
	1800	575	449TP	CHT300V2GLJX	JUCEI	\$67,994	\$66,482	96.2	15400	24-1/2	56-7/8	1-15/16	1/2	3900	51,97,E

- 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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