

# Vertical HOLLSHAFT® High Thrust Motors - "P" Base, Single Phase Weather Protected Type I (WPI) Standard Efficient

## APPLICATIONS:

For use on Turbine, Mix Flow and Propeller Pumps

## FEATURES:

- Class F Insulation
- 1.15 Service Factor
- Maximum 40°C Ambient, 3,300 Feet Altitude
- Capacitor Start Design
- Corrosion Resistant Mill & Chemical Duty Paint
- NRR = Non-Reverse Ratchet
- Discount Symbol: DS-7VS

HP	RPM	Volts	Frame	Catalog Number	Type	List w/NRR	List w/SRC	Down Thrust (lbs.)	Base Dia (in.)	Cplg Height (in.)	Cplg BX (in.)	Cplg Key Size	Ship Wt. (lbs.)	Notes
3	1800	115/230	215P	HS3C2PLE	AUR	\$4,568	\$4,291	2500	10	17-9/16	1	1/4	220	
5	3600	230	215P	HS5C1KLE	AUR	\$4,779	\$4,502	2200	10	17-9/16	1	1/4	220	
	1800	230	254UP	HS5C2KLE	AUC	\$5,789	\$5,460	2500	10	23-3/8	1	1/4	265	
7 1/2	3600	230	254UP	HS7C1KLE	AUC	\$6,817	\$6,488	2600	10	23-3/8	1	1/4	265	
	1800	230	256UP	HS7C2KLE	AUC	\$7,831	\$7,455	3300	10	23-3/8	1	1/4	300	

NOTE: Alternative Coupling Sizes per Frame Size are listed on pages E-16 - E-18.

Most stock VHS Motors include a Non-Reverse Ratchet (NRR), as indicated by their Catalog Number. To order a Motor with a Self-Release Coupling (SRC), add an "N" as the last character in the Catalog Number. Example: HO50S2BLG includes NRR, HO50S2BLGN is SRC.

† All marks shown within this document are properties of their respective owners.

Revised — April 2019



# Vertical HOLLOWSHAFT® High Thrust Motors - “P” Base, Three Phase Weather Protected Type I (WPI) Premium Efficient, SINEWAVE OPTIMIZED®

## APPLICATIONS:

For use on Turbine, Mix Flow and Propeller Pumps

## FEATURES:

- Class F Insulation, Class B Rise at Full Load
- 1.15 Service Factor
- Maximum 40°C Ambient, 3,300 Feet Altitude
- 230/460 Volt Motors Suitable for 230 Volt Part Winding Start
- Premium Efficient Design
- Special Balance
- Corrosion Resistant Mill & Chemical Duty Paint
- 115 Volt Space Heater
- NRR = Non-Reverse Ratchet, SRC = Self-Release Coupling
- Refer to Page ii-iv for Guidelines & Compatibility with VFD's
- Discount Symbol: DS-7VS

HP	RPM	Voltage	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
7-1/2	1800	230/460	213TP	HO7P2BLE	AUS	\$3,789	\$3,518	91.7	2500	10	17-9/16	1	1/4	210	
	1200	230/460	254TPH	HO7P3BLF	AUS	\$4,983	\$4,607	90.2	3800	12	23-3/8	1	1/4	265	
10	1800	230/460	215TP	HO10P2BLE	AUS	\$4,187	\$3,869	91.7	2500	10	17-9/16	1	1/4	220	
	1200	230/460	256TPH	HO10P3BLF	AUS	\$5,592	\$5,207	91.7	3800	12	23-3/8	1	1/4	300	
15	1800	230/460	254TP	HO15P2BLE	AUS	\$4,686	\$4,358	93.0	3300	10	23-3/8	1	1/4	265	
	1800	230/460	254TPA	HO15P2BLG	AUS	\$4,686	\$4,358	93.0	3300	16.5	23-3/8	1	1/4	265	
	1200	230/460	284TPA	HO15P3BLF	AUS	\$6,548	\$6,137	91.7	3800	12	24-3/4	1	1/4	305	
20	3600	230/460	254TPH	HO20P1BLF	AUS	\$4,708	\$4,061	91.0	2600	12	23-3/8	1	1/4	265	
	1800	230/460	256TPH	HO20P2BLF	AUS	\$5,122	\$4,763	93.0	3300	12	24-3/4	1	1/4	300	
	1800	230/460	256TPA	HO20P2BLG	AUS	\$5,122	\$4,763	93.0	3300	16.5	24-3/4	1	1/4	300	
	1200	230/460	286TPH	HO20P3BLG	AUS	\$7,307	\$6,838	92.4	3800	16.5	24-3/4	1	1/4	325	
25	3600	230/460	256TPH	HO25P1BLF	AUS	\$5,015	\$4,368	91.7	2600	12	23-3/8	1	1/4	300	
	1800	230/460	284TPA	HO25P2BLF	AUS	\$5,778	\$5,374	93.6	3300	12	24-3/4	1	1/4	305	
	1800	230/460	284TPH	HO25P2BLG	AUS	\$5,778	\$5,374	93.6	3300	16.5	24-3/4	1	1/4	305	
	1200	230/460	324TP	HO25P3BLG	RUS	\$8,923	\$8,383	93.0	6700	16.5	28-7/32	1	1/4	635	
30	3600	230/460	284TPA	HO30P1BLF	AUS	\$5,369	\$4,698	91.7	2600	12	24-3/4	1	1/4	305	
	1800	230/460	286TPA	HO30P2BLF	AUS	\$6,277	\$5,838	94.1	3300	12	24-3/4	1	1/4	325	
	1800	230/460	286TPH	HO30P2BLG	AUS	\$6,277	\$5,838	94.1	3300	16.5	24-3/4	1	1/4	325	
	1200	230/460	326TP	HO30P3BLG	RUS	\$9,916	\$9,296	93.6	6700	16.5	28-7/32	1-1/4	3/8	675	
40	3600	230/460	286TPA	HO40P1BLF	AUS	\$5,927	\$5,228	92.4	2600	12	24-3/4	1	1/4	325	
	1800	230/460	324TPH	HO40P2BLF	RUS	\$7,017	\$6,526	94.5	5700	12	28-7/32	1-1/4	1/4	635	
	1800	230/460	324TP	HO40P2BLG	RUS	\$7,017	\$6,526	94.5	5700	16.5	28-7/32	1-1/4	1/4	635	
	1800	460	324TP	HO40P2SLG	RUS	\$7,017	\$6,526	94.5	5700	16.5	28-7/32	1-1/4	1/4	635	PWS
	1200	230/460	364TP	HO40P3BLGX	RUS	\$12,880	\$12,124	94.1	11725	16.5	31-5/32	1-1/4	3/8	730	
50	3600	230/460	324TPH	HO50P1BLF	RUS	\$8,571	\$8,036	93.0	4600	12	28-7/32	1	1/4	635	
	1800	230/460	326TPH	HO50P2BLF	RUS	\$8,182	\$7,609	94.5	5700	12	28-7/32	1-1/4	1/4	675	
	1800	230/460	326TP	HO50P2BLG	RUS	\$8,182	\$7,609	94.5	5700	16.5	28-7/32	1-1/4	1/4	675	
	1800	460	326TP	HO50P2SLG	RUS	\$8,182	\$7,609	94.5	5700	16.5	28-7/32	1-1/4	1/4	675	PWS
	1200	230/460	365TP	HO50P3BLGX	RUS	\$15,609	\$14,271	94.1	11725	16.5	31-5/32	1-1/4	3/8	800	
60	3600	460	326TP	HO60P1SLG	RUS	\$9,841	\$9,203	93.6	4600	16.5	28-7/32	1-1/4	1/4	675	PWS
	1800	230/460	364TP	HO60P2BLG	RUS	\$9,528	\$8,861	95.0	5700	16.5	31-5/32	1-1/4	1/4	730	
	1800	460	364TP	HO60P2SLG	RUS	\$9,528	\$8,861	95.0	5700	16.5	31-5/32	1-1/4	1/4	730	PWS
	1200	460	404TP	HO60P3SLGX	RUS	\$17,329	\$16,310	94.5	13650	16.5	36-15/16	1-1/2	3/8	1110	PWS
75	3600	460	364TP	HO75P1SLG	RUS	\$11,167	\$10,374	93.6	4500	16.5	31-5/32	1-1/4	1/4	730	PWS
	1800	230/460	365TP	HO75P2BLG	RUS	\$11,327	\$10,534	95.0	5700	16.5	31-5/32	1-1/4	1/4	800	
	1800	460	365TP	HO75P2SLG	RUS	\$11,327	\$10,534	95.0	5700	16.5	31-5/32	1-1/4	1/4	800	PWS
	1200	460	405TP	HO75P3SLGX	RUS	\$19,641	\$18,444	94.5	13650	16.5	36-15/16	1-1/2	3/8	1200	PWS
100	3600	460	365TP	HO100P1SLG	RUS	\$15,284	\$14,209	93.6	4500	16.5	31-5/32	1-1/4	3/8	800	PWS
	1800	230/460	404TP	HO100P2BLG	RUS	\$14,376	\$13,370	95.4	6700	16.5	36-15/16	1-1/2	3/8	1100	
	1800	460	404TP	HO100P2SLG	RUS	\$14,376	\$13,370	95.4	6700	16.5	36-15/16	1-1/2	3/8	1100	PWS
	1800	460	404TP	HO100P2SLGX	RUS	\$14,858	\$13,818	95.4	11725	16.5	36-15/16	1-1/2	3/8	1100	PWS

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# Vertical HOLLOWSHAFT® High Thrust Motors - "P" Base, Three Phase Weather Protected Type I (WPI) Premium Efficient, SINEWAVE OPTIMIZED® (continued)

HP	RPM	Voltage	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
125	1800	460	405TP	HO125P2SLG	RUS	\$17,769	\$16,330	95.4	6700	16.5	36-15/16	1-1/2	3/8	1200	PWS
	1800	460	405TP	HO125P2SLGX	RUS	\$18,387	\$16,959	95.4	11725	16.5	36-15/16	1-1/2	3/8	1200	PWS
150	1800	460	H444TP	HO150P2SLG	RUS	\$22,955	\$21,655	95.8	9800	16.5	44-25/32	1-11/16	3/8	1500	PWS
	1800	460	H444TP	HO150P2SLGX	RUS	\$23,466	\$22,166	95.8	17150	16.5	44-25/32	1-11/16	3/8	1500	PWS
	1800	460	H444TPA	HO150P2SLH	RUS	\$22,955	\$21,655	95.8	9800	20	44-25/32	1-11/16	3/8	1500	PWS
200	1800	460	H445TP	HO200P2SLG	RUS	\$28,995	\$26,935	95.8	9800	16.5	44-25/32	1-11/16	3/8	1600	PWS
	1800	460	H445TPA	HO200P2SLHX	RUS	\$29,974	\$27,933	95.8	17150	20	44-25/32	1-11/16	3/8	1600	PWS
250	1800	460	H445TPA	HO250P2SLHX	RUS	\$37,811	\$36,127	95.8	17150	20	44-25/32	1-11/16	3/8	1600	PWS
300	1800	460	447TPA	HO300P2SLHX	RUS	\$43,899	\$42,351	95.8	17150	20	49-25/32	1-11/16	3/8	2100	PWS
350	1800	460	447TPA	HO350P2SLHX	RUS	\$49,277	\$47,771	95.8	17150	20	49-25/32	1-11/16	3/8	2100	PWS
400	1800	460	449TPH	HO400P2SLHX	RUS	\$55,213	\$53,725	95.8	28500	20	49-13/16	1-15/16	1/2	2825	52,53,PWS
450	1800	460	449TPH	HO450P2SLHX	RUS	\$58,702	\$57,235	96.2	28500	20	49-13/16	1-15/16	1/2	2865	52,53,PWS
500	1800	460	449TPH	HO500P2SFLHX	RUS	\$62,906	\$61,439	96.2	28500	20	49-13/16	2-3/16	1/2	3015	52,53,PWS
	1800	460	5008PH	HO500P2SLHX	RUE	\$69,896	\$68,735	96.2	28500	20	57-1/16	2-3/16	1/2	4200	52,53,PWS
600	1800	460	5012P	HO600P2SLJX	RUE	\$93,512	\$91,958	96.2	30900	24-1/2	72-5/16	2-3/16	1/2	5450	52,53,PWS

NOTE: Alternative Coupling Sizes per Frame Size are listed on pages E-16 - E-18.

Most stock VHS Motors include a Non-Reverse Ratchet (NRR), as indicated by their Catalog Number. To order a motor with a Self-Release Coupling (SRC), add an "N" as the last character in the Catalog Number. Example: HO50S2BLG includes NRR; HO50S2BLGN is SRC.

Note 52 Requires minimal external thrust equal to 30% down thrust value shown

Note 53 Synthetic Oil required

Note PWS Part Winding Start

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# Vertical HOLLOWSHAFT® High Thrust Motors - “P” Base, Three Phase Weather Protected Type I (WPI) Premium Efficient, Inverter Duty

## APPLICATIONS:

For use on Turbine, Mix Flow and Propeller Pumps

## FEATURES:

- Class F Insulation, Class B Rise at Full Load (Sine Wave Power)
- 1.15 Service Factor (Sine Wave Power)
- Maximum 40°C Ambient, 3,300 Feet Altitude
- 230/460 Volt Motors Suitable for 230 Volt Part Winding Start
- 30 HP & Below Can Be Rerated for 208/415 Volt, 50 Hertz Operation at 1.0 Service Factor (230/460 Volt Ratings Only)
- Premium Efficient Design
- Special Balance
- 115 Volt Space Heater
- Corrosion Resistant Mill & Chemical Duty Paint
- Inverter Duty per NEMA® MG-1 Part 31 at 1.0 Service Factor
- Shaft Grounding Ring
- Upper Insulated Bearing 400 Frame & Up
- NRR = Non-Reverse Ratchet, SRC = Self Release Coupling
- A member of the ACCU-SERIES® family of variable speed products
- Discount Symbol: DS-7VS

HP	RPM	Voltage	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
15	1800	230/460	254TP	HO15V2BLE	AUSI	\$5,226	\$4,897	93.0	3300	10	23-3/8	1	1/4	265	51,97,D
	1800	575	254TP	HO15V2GLE	AUSI	\$5,226	\$4,897	93.0	3300	10	23-3/8	1	1/4	265	51,97,D
20	1800	230/460	256TPH	HO20V2BLF	AUSI	\$5,728	\$5,352	93.0	3300	12	24-3/4	1	1/4	300	51,97,D
	1800	230/460	256TPA	HO20V2BLG	AUSI	\$5,728	\$5,352	93.0	3300	16.5	24-3/4	1	1/4	300	51,97,D
	1800	575	256TP	HO20V2GLE	AUSI	\$5,728	\$5,352	93.0	3300	10	24-3/4	1	1/4	300	51,97,D
25	1800	230/460	284TPA	HO25V2BLF	AUSI	\$6,456	\$6,038	93.6	3300	12	24-3/4	1	1/4	305	51,97,D
	1800	230/460	284TPH	HO25V2BLG	AUSI	\$6,456	\$6,038	93.6	3300	16.5	24-3/4	1	1/4	305	51,97,D
	1800	575	284TP	HO25V2GLE	AUSI	\$6,456	\$6,038	93.6	3300	10	24-3/4	1	1/4	305	51,97,D
30	1800	230/460	286TPA	HO30V2BLF	AUSI	\$7,024	\$6,559	94.1	3300	12	24-3/4	1	1/4	325	51,97,D
	1800	230/460	286TPH	HO30V2BLG	AUSI	\$7,024	\$6,559	94.1	3300	16.5	24-3/4	1	1/4	325	51,97,D
	1800	575	286TP	HO30V2GLE	AUSI	\$7,024	\$6,559	94.1	3300	10	24-3/4	1	1/4	325	51,97,D
40	1800	230/460	324TPH	HO40V2BLF	RUSI	\$7,779	\$7,296	94.5	5700	12	28-7/32	1-1/4	1/4	635	51,97,D
	1800	230/460	324TP	HO40V2BLG	RUSI	\$7,779	\$7,296	94.5	5700	16.5	28-7/32	1-1/4	1/4	635	51,97,D
	1800	575	324TP	HO40V2GLG	RUSI	\$7,779	\$7,296	94.5	5700	16.5	28-7/32	1-1/4	1/4	635	51,97,D
50	1800	230/460	326TP	HO50V2BLG	RUSI	\$8,894	\$8,317	94.5	5700	16.5	28-7/32	1-1/4	1/4	675	51,97,D
	1800	575	326TP	HO50V2GLG	RUSI	\$8,894	\$8,317	94.5	5700	16.5	28-7/32	1-1/4	1/4	675	51,97,D
60	1800	460	364TP	HO60V2SLG	RUSI	\$10,528	\$9,866	95.0	5700	16.5	31-5/32	1-1/4	1/4	730	51,97,D,PWS
	1800	575	364TP	HO60V2GLG	RUSI	\$10,528	\$9,866	95.0	5700	16.5	31-5/32	1-1/4	1/4	730	51,97,D
75	1800	460	365TP	HO75V2SLG	RUSI	\$12,312	\$11,505	95.0	5700	16.5	31-5/32	1-1/4	1/4	800	51,97,D,PWS
	1800	575	365TP	HO75V2GLG	RUSI	\$12,312	\$11,505	95.0	5700	16.5	31-5/32	1-1/4	1/4	800	51,97,D
100	1800	460	404TP	HO100V2SLG	RUSI	\$15,885	\$14,866	95.4	6700	16.5	36-15/16	1-1/2	3/8	1110	51,97,E,PWS
	1800	460	404TP	HO100V2SLGX	RUSI	\$16,418	\$15,399	95.4	11725	16.5	36-15/16	1-1/2	3/8	1110	51,97,E,PWS
	1800	575	404TP	HO100V2GLG	RUSI	\$15,885	\$14,866	95.4	6700	16.5	36-15/16	1-1/2	3/8	1100	51,97,E
125	1800	460	405TP	HO125V2SLG	RUSI	\$18,509	\$17,275	95.4	6700	16.5	36-15/16	1-1/2	3/8	1200	51,97,E,PWS
	1800	460	405TP	HO125V2SLGX	RUSI	\$19,153	\$17,919	95.4	11725	16.5	36-15/16	1-1/2	3/8	1200	51,97,E,PWS
	1800	575	405TP	HO125V2GLG	RUSI	\$18,509	\$17,275	95.4	6700	16.5	36-15/16	1-1/2	3/8	1200	51,97,E
150	1800	460	H444TP	HO150V2SLG	RUSI	\$24,562	\$23,262	95.8	9800	16.5	44-25/32	1-11/16	3/8	1500	51,97,E,PWS
	1800	460	H444TP	HO150V2SLGX	RUSI	\$25,109	\$23,809	95.8	17150	16.5	44-25/32	1-11/16	3/8	1500	51,97,E,PWS
	1800	575	H444TP	HO150V2GLG	RUSI	\$24,562	\$23,262	95.8	9800	16.5	44-25/32	1-11/16	3/8	1500	51,97,E
200	1800	460	H445TPA	HO200V2SLH	RUSI	\$31,516	\$29,746	95.8	9800	20	44-25/32	1-11/16	3/8	1600	51,97,E,PWS
	1800	460	H445TPA	HO200V2SLHX	RUSI	\$32,580	\$30,810	95.8	17150	20	44-25/32	1-11/16	3/8	1600	51,97,E,PWS
	1800	575	H445TP	HO200V2GLG	RUSI	\$31,516	\$29,746	95.8	9800	16.5	44-25/32	1-11/16	3/8	1600	51,97,E
250	1800	460	H445TPA	HO250V2SLH	RUSI	\$39,399	\$38,066	95.8	9800	20	44-25/32	1-11/16	3/8	1600	51,97,E,PWS
	1800	460	H445TPA	HO250V2SLHX	RUSI	\$40,657	\$39,324	95.8	17150	20	44-25/32	1-11/16	3/8	1600	51,97,E,PWS
	1800	575	H445TP	HO250V2GLG	RUSI	\$39,399	\$38,066	95.8	9800	16.5	44-25/32	1-11/16	3/8	1600	51,97,E
300	1800	460	447TPA	HO300V2SLH	RUSI	\$45,704	\$44,458	95.8	9800	20	49-25/32	1-11/16	3/8	2200	51,97,E,PWS
	1800	460	447TPA	HO300V2SLHX	RUSI	\$47,203	\$45,957	95.8	17150	20	49-25/32	1-11/16	3/8	2200	51,97,E,PWS
	1800	575	447TP	HO300V2GLG	RUSI	\$45,704	\$44,458	95.8	9800	16.5	49-25/32	1-11/16	3/8	2200	51,97,E

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# Vertical HOLLSHAFT® High Thrust Motors - "P" Base, Three Phase Weather Protected Type I (WPI) Premium Efficient, Inverter Duty *(continued)*

HP	RPM	Voltage	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
350	1800	460	447TPA	HO350V2SLH	RUSI	\$50,683	\$49,437	95.8	9800	20	49-25/32	1-11/16	3/8	2200	51,97,E,PWS
	1800	460	447TPA	HO350V2SLHX	RUSI	\$52,422	\$51,176	95.8	17150	20	49-25/32	1-11/16	3/8	2200	51,97,E,PWS
	1800	575	447TP	HO350V2GLG	RUSI	\$50,683	\$49,437	95.8	9800	16.5	49-25/32	1-11/16	3/8	2200	51,97,E
400	1800	460	449TPH	HO400V2SLH	RUSI	\$57,514	\$56,268	96.2	9500	20	49-13/16	1-15/16	1/2	2800	51,97,E,PWS
	1800	460	449TPH	HO400V2SLHX	RUSI	\$61,734	\$60,488	96.2	28500	20	49-13/16	1-15/16	1/2	2800	V10,PWS
	1800	575	449TP	HO400V2GLJ	RUSI	\$57,514	\$56,268	95.8	9500	24.5	49-13/16	1-15/16	1/2	2800	51,97,E
450	1800	460	449TPH	HO450V2SLH	RUSI	\$61,148	\$59,871	96.2	9500	20	49-13/16	1-15/16	1/2	2800	51,97,E,PWS
	1800	460	449TPH	HO450V2SLHX	RUSI	\$65,638	\$64,361	96.2	28500	20	49-13/16	1-15/16	1/2	2800	V10,PWS
500	1800	460	449TPH	HO500V2SFLH	RUSI	\$66,218	\$64,941	96.2	9500	20	49-13/16	2-3/16	1/2	3015	51,97,E,PWS
	1800	460	449TPH	HO500V2SFLHX	RUSI	\$71,060	\$69,783	96.2	28500	20	49-13/16	2-3/16	1/2	3015	V10,PWS
	1800	460	5008PH	HO500V2SLH	RUEI	\$73,575	\$71,736	96.2	9500	20	57-1/16	2-3/16	1/2	4200	51,97,E,PWS
	1800	460	5008PH	HO500V2SLHX	RUEI	\$78,955	\$77,116	96.2	28500	20	57-1/16	2-3/16	1/2	4200	V10,PWS
600	1800	460	5012P	HO600V2SLJX	RUEI	\$99,481	\$97,530	96.2	30900	24.5	72-5/16	2-3/16	5/8	5450	V10,PWS

NOTE: Alternative Coupling Sizes per Frame Size are listed on pages Page E-16 - E-18.

Most stock VHS Motors include a Non-Reverse Ratchet (NRR), as indicated by their Catalog Number. To order a motor with a Self-Release Coupling (SRC), add an "N" as the last character in the Catalog Number. Example: HO50S2BLG includes NRR; HO50S2BLGN is SRC.

An "X" as the last character in the Catalog number indicates Extra High Thrust.

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

Note PWS Part Winding Start

Note V10 Equipped with Winding thermostat, Requires minimal external thrust equal to 30% down thrust for values showed, Synthetic Oil required, Inverter Duty with Inverter Grade insulation, and Includes internal shaft grounding ring and upper insulated bearing



# Vertical HOLLSHAFT® High Thrust Motors - “P” Base, Three Phase Totally Enclosed Fan Cooled (TEFC) Premium Efficient, SINEWAVE OPTIMIZED®

## APPLICATIONS:

For use on turbine, mix flow and propeller pumps

## FEATURES:

- Class F Insulation, Class B Rise at Full Load
- 1.15 Service Factor
- Maximum 40°C Ambient, 3,300 Feet Altitude
- 230/460 Volt Motors Suitable for 230V PWS on 250-320 Frame
- 30 HP & Below Can Be Rerated for 208/415 Volt, 50 Hertz  
Operation at 1.0 Service Factor
- Premium Efficient Design
- Special Balance
- 115 Volt Space Heater
- Corrosion Resistant Mill & Chemical Duty Paint
- NRR = Non-Reverse Ratchet, SRC = Self-Release Coupling
- Refer to Page ii-iv for Guidelines & Compatibility with VFD's
- Discount Symbol: DS-7VS

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	HT5P1BLE	TUS	\$3,666	\$3,333	88.5	2200	10	17-9/16	1	1/4	170	—
	1800	230/460	184TP	HT5P2BLE	TUS	\$3,443	\$3,110	90.2	2500	10	17-9/16	1	1/4	170	—
7 1/2	3600	230/460	H213TP	HT7P1BLE	TUS	\$3,807	\$3,464	89.5	2200	10	18-13/16	1	1/4	210	—
	1800	230/460	H213TP	HT7P2BLE	TUS	\$3,731	\$3,388	91.7	2500	10	18-13/16	1	1/4	210	—
10	3600	230/460	H215TP	HT10P1BLE	TUS	\$4,137	\$3,785	90.2	2200	10	18-13/16	1	1/4	220	—
	1800	230/460	H215TP	HT10P2BLE	TUS	\$4,052	\$3,700	91.7	2500	10	18-13/16	1	1/4	220	—
15	3600	230/460	H215TP	HT15P1BLE	TUS	\$4,650	\$4,237	91.0	2200	10	18-13/16	1	1/4	220	—
	1800	230/460	254TP	HT15P2BLE	TUS	\$5,650	\$5,227	92.4	3300	10	22-15/16	1	1/4	265	—
20	1800	230/460	256TP	HT20P2BLE	TUS	\$6,290	\$5,802	93.0	3300	10	22-15/16	1	1/4	300	—
25	1800	230/460	284TPA	HT25P2BLF	TUS	\$7,096	\$6,551	93.6	3300	12	26-9/16	1	1/4	320	—
30	1800	230/460	286TPA	HT30P2BLF	TUS	\$7,819	\$7,209	93.6	3300	12	26-9/16	1	1/4	330	—
40	1800	230/460	324TP	HT40P2BLG	TUS	\$9,902	\$9,221	94.5	4500	16-1/2	28-1/2	1-1/4	1/4	665	—
50	1800	230/460	326TP	HT50P2BLG	TUS	\$11,426	\$10,618	94.5	4500	16-1/2	28-1/2	1-1/4	1/4	690	—
60	1800	460	364TP	HT60P2CLG	TUS	\$14,172	\$13,172	95.0	5600	16-1/2	30	1-1/4	1/4	900	—
75	1800	460	365TP	HT75P2CLG	TUS	\$16,778	\$15,567	95.4	5600	16-1/2	30	1-1/4	1/4	925	—
100	1800	460	405TP	HT100P2CLG	TUS	\$22,580	\$20,946	95.4	7000	16-1/2	39-15/16	1-1/2	3/8	1500	—
125	1800	460	444TP	HT125P2CLG	TUS	\$31,411	\$29,542	95.4	9300	16-1/2	42-1/2	1-1/2	3/8	1800	—
150	1800	460	447TP	HT150P2CLG	TUS	\$37,074	\$34,792	95.8	9300	16-1/2	46	1-1/2	3/8	2300	—
200	1800	460	447TP	HT200P2CLG	TUS	\$49,499	\$46,311	96.2	9300	16-1/2	46	1-11/16	3/8	2300	—
250	1800	460	449TP	HT250P2CLJX	JUE	\$58,355	\$57,003	96.2	15400	24-1/2	56-7/8	1-11/16	3/8	3600	—
300	1800	460	449TP	HT300P2CLJX	JUE	\$64,200	\$62,688	96.2	15400	24-1/2	56-7/8	1-11/16	3/8	3800	—

NOTE: Alternative Coupling Sizes per Frame Size are listed on pages E-16 - E-18.  
Most stock VHS Motors include a Non-Reverse Ratchet (NRR), as indicated by their Catalog Number. To order a motor with a Self-Release Coupling (SRC), add an “N” as the last character in the Catalog Number. Example: HO50S2BLG includes NRR; HO50S2BLGN is SRC.



VERTICAL MOTORS  
STEADY BUSHING KITS  
CONVERSION CENTER  
QUICK ENGINEERING FACTS  
FORMULAS  
LONG TERM STORAGE INFORMATION  
OPERATING CHARACTERISTICS  
DIMENSION PRINT INDEX  
DRIVE COUPLING PART NUMBERS  
DIMENSION PRINTS



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

## APPLICATIONS:

For use on turbine, mix flow and propeller pumps

## FEATURES:

- Class H Insulation, Class B Rise at Full Load (Sine Wave Power)
- 1.15 Service Factor (Sine Wave Power)
- Maximum 40°C Ambient, 3,300 Feet Altitude
- 230/460 Volt Motors Suitable for 230V PWS on 250-320 Frame
- Premium Efficient Design
- Special Balance
- 115 Volt Space Heater
- CORRO-DUTY® - All Cast Iron Construction
- Inverter Duty per NEMA® MG-1 Part 31 at 1.0 Service Factor
- Shaft Grounding Ring
- Upper Insulated Bearing 400 Frame & Up
- NRR = Non-Reverse Ratchet, SRC = Self Release Coupling
- A member of the ACCU-SERIES® family of variable speed products
- Discount Symbol: DS-7VS

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

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- Note 51 Equipped with Winding Thermostat  
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 Note D Includes internal shaft grounding ring  
 Note E Includes internal shaft grounding ring and upper insulated bearing

† All marks shown within this document are properties of their respective owners.



Revised — April 2019