

Vertical HOLLOSHAFT® 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:

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

HP	RPM	Frame	Volts	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 beginning on Page 33.

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.

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

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
- 115 Volt Space Heater (through 250 HP)
- Corrosion Resistant Mill & Chemical Duty Paint
- Stainless Steel Nameplate
- NRR = Non-Reverse Ratchet, SRC = Self-Release Coupling
- Discount Symbol: DS-7VS

HP	RPM	Voltage	Frame	Catalog Number	Type	List w/NRR	List w/SRC	% FL Eff.	Down Thrust (lbs.)	Base Dia. (in.)	Cplg Height (in.)	Cplg BX (in.)	Cplg Key Size	Ship Wt. (lbs.)	Notes
7 1/2	1200	230/460	254TPH	HO7S3BLF	AU	\$3,657	\$3,282	86.5	3800	12	23-3/8	1	1/4	265	
10	1200	230/460	256TPH	HO10S3BLF	AU	\$4,136	\$3,751	87.5	3800	12	23-3/8	1	1/4	300	
15	1800	230/460	254TP	HO15S2BLE	AU	\$3,606	\$3,277	89.5	3300	10	23-3/8	1	1/4	265	
	1800	230/460	254TPA	HO15S2BLG	AU	\$3,606	\$3,277	89.5	3300	16-1/2	23-3/8	1	1/4	265	
	1200	230/460	284TPA	HO15S3BLF	AU	\$4,822	\$4,411	88.5	3800	12	24-3/4	1	1/4	305	
20	3600	230/460	254TPH	HO20S1BLF	AU	\$3,831	\$3,479	88.5	2600	12	23-3/8	1	1/4	265	
	1800	230/460	256TPA	HO20S2BLG	AU	\$4,108	\$3,732	89.5	3300	16-1/2	23-3/8	1	1/4	300	
	1800	230/460	256TPH	HO20S2BLF	AU	\$4,108	\$3,732	89.5	3300	12	23-3/8	1	1/4	300	
	1200	230/460	286TPH	HO20S3BLG	AU	\$5,798	\$5,329	88.5	3800	16-1/2	24-3/4	1	1/4	325	
25	3600	230/460	256TPH	HO25S1BLF	AU	\$4,052	\$3,667	89.5	2600	12	23-3/8	1	1/4	300	
	1800	230/460	284TPA	HO25S2BLF	AU	\$4,582	\$4,164	89.5	3300	12	24-3/4	1	1/4	305	
	1800	230/460	284TPH	HO25S2BLG	AU	\$4,582	\$4,164	89.5	3300	16-1/2	24-3/4	1	1/4	305	
	1200	230/460	324TP	HO25S3BLG	RU	\$6,690	\$6,150	87.5	6700	16-1/2	28-7/32	1	1/4	635	
30	3600	230/460	284TPA	HO30S1BLF	AU	\$4,437	\$4,033	88.5	2600	12	24-3/4	1	1/4	305	
	1800	230/460	286TPA	HO30S2BLF	AU	\$5,150	\$4,685	90.2	3300	12	24-3/4	1	1/4	325	
	1800	230/460	286TPH	HO30S2BLG	AU	\$5,150	\$4,685	90.2	3300	16-1/2	24-3/4	1	1/4	325	
	1200	230/460	326TP	HO30S3BLG	RU	\$7,639	\$7,019	87.5	6700	16-1/2	28-7/32	1-1/4	3/8	675	
40	3600	230/460	286TPA	HO40S1BLF	AU	\$5,798	\$5,272	89.5	2600	12	24-3/4	1	1/4	325	
	1800	230/460	324TP	HO40S2BLG	RU	\$5,986	\$5,502	89.5	5700	16-1/2	28-7/32	1-1/4	1/4	635	
	1800	230/460	324TP	HO40S2BLGN	RU	-	\$5,502	89.5	5700	16-1/2	28-7/32	1-1/4	1/4	635	91
	1800	230/460	324TPH	HO40S2BLF	RU	\$5,986	\$5,502	89.5	5700	12	28-7/32	1-1/4	1/4	635	
	1800	460	324TP	HO40S2SLG	RU	\$5,986	\$5,502	89.5	5700	16-1/2	28-7/32	1-1/4	1/4	635	PWS
	1200	230/460	364TP	HO40S3BLGX	RU	\$9,333	\$8,577	88.5	11725	16-1/2	31-5/32	1-1/4	3/8	730	
50	3600	230/460	324TPH	HO50S1BLF	RU	\$6,587	\$6,052	88.5	4600	12	28-7/32	1	1/4	635	
	1800	230/460	326TP	HO50S2BLG	RU	\$7,103	\$6,526	90.2	5700	16-1/2	28-7/32	1-1/4	1/4	675	
	1800	230/460	326TP	HO50S2BLGN	RU	-	\$6,526	90.2	5700	16-1/2	28-7/32	1-1/4	1/4	675	91
	1800	230/460	326TPH	HO50S2BLF	RU	\$7,103	\$6,526	90.2	5700	12	28-7/32	1-1/4	1/4	675	
	1800	460	326TP	HO50S2SLG	RU	\$7,103	\$6,526	90.2	5700	16-1/2	28-7/32	1-1/4	1/4	675	PWS
	1200	230/460	365TP	HO50S3BLGX	RU	\$11,005	\$10,113	90.2	11725	16-1/2	31-5/32	1-1/4	3/8	800	
60	3600	460	326TP	HO60S1SLG	RU	\$7,859	\$7,221	89.5	4600	16-1/2	28-7/32	1-1/4	1/4	675	PWS
	1800	230/460	364TP	HO60S2BLG	RU	\$8,202	\$7,540	90.2	5700	16-1/2	31-5/32	1-1/4	1/4	730	
	1800	230/460	364TP	HO60S2BLGN	RU	-	\$7,540	90.2	5700	16-1/2	31-5/32	1-1/4	1/4	730	91
	1800	460	364TP	HO60S2SLG	RU	\$8,202	\$7,540	90.2	5700	16-1/2	31-5/32	1-1/4	1/4	730	PWS
	1200	460	404TP	HO60S3SLGX	RU	\$12,568	\$11,549	89.5	13650	16-1/2	36-15/16	1-1/2	3/8	1110	PWS

NOTE: Alternative Coupling Sizes per Frame Size are listed on pages 282-284.

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 91 Includes SRC & 115V Space Heater

Note PWS Part Winding Start

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Revised — February 2016

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

HP	RPM	Voltage	Frame	Catalog Number	Type	List w/NRR	List w/SRC	% FL Eff.	Down Thrust (lbs.)	Base Dia. (in.)	Cplg Height (in.)	Cplg BX (in.)	Cplg Key Size	Ship Wt. (lbs.)	Notes
75	3600	460	364TP	HO75S1SLG	RU	\$9,831	\$9,038	89.5	4500	16-1/2	31-5/32	1-1/4	1/4	730	PWS
	1800	230/460	365TP	HO75S2BLG	RU	\$9,986	\$9,178	91.7	5700	16-1/2	31-5/32	1-1/4	1/4	800	
	1800	230/460	365TP	HO75S2BLGN	RU	-	\$9,178	91.7	5700	16-1/2	31-5/32	1-1/4	1/4	800	91
	1800	460	365TP	HO75S2SLG	RU	\$9,986	\$9,178	91.7	5700	16-1/2	31-5/32	1-1/4	1/4	800	PWS
	1200	460	405TP	HO75S3SLGX	RU	\$14,779	\$13,582	89.5	13650	16-1/2	36-15/16	1-1/2	3/8	1200	PWS
100	3600	460	365TP	HO100S1SLG	RU	\$13,249	\$12,174	91.0	4500	16-1/2	31-5/32	1-1/4	3/8	800	PWS
	1800	230/460	404TP	HO100S2BLG	RU	\$12,615	\$11,596	93.0	6700	16-1/2	36-15/16	1-1/2	3/8	1110	
	1800	460	404TP	HO100S2SLG	RU	\$12,615	\$11,596	93.0	6700	16-1/2	36-15/16	1-1/2	3/8	1110	PWS
	1800	460	404TP	HO100S2SLGX	RU	\$13,150	\$12,131	93.0	11725	16-1/2	36-15/16	1-1/2	3/8	1110	PWS
125	1800	460	405TP	HO125S2SLG	RU	\$15,239	\$14,005	93.0	6700	16-1/2	36-15/16	1-1/2	3/8	1200	PWS
	1800	460	405TP	HO125S2SLGX	RU	\$15,887	\$14,653	93.0	11725	16-1/2	36-15/16	1-1/2	3/8	1200	PWS
150	1800	460	H444TP	HO150S2SLG	RU	\$18,333	\$17,033	93.0	9800	16-1/2	44-25/32	1-11/16	3/8	1500	PWS
	1800	460	H444TP	HO150S2SLGX	RU	\$19,131	\$17,831	92.4	17150	16-1/2	44-25/32	1-11/16	3/8	1500	PWS
	1800	460	H444TPA	HO150S2SLH	RU	\$18,333	\$17,033	93.0	9800	20	44-25/32	1-11/16	3/8	1500	PWS
200	1800	460	H445TP	HO200S2SLG	RU	\$24,911	\$23,141	94.5	9800	16-1/2	44-25/32	1-11/16	3/8	1600	PWS
	1800	460	H445TPA	HO200S2SLHX	RU	\$25,991	\$24,221	94.1	17150	20	44-25/32	1-11/16	3/8	1600	PWS
250	1800	460	H445TPA	HO250S2SLHX	RU	\$29,944	\$28,610	94.5	17150	20	44-25/32	1-11/16	3/8	1600	PWS
300	1800	460	447TPA	HO300S2SLHX	RU	\$35,326	\$34,080	94.5	17150	20	49-25/32	1-11/16	3/8	2200	51,PWS
350	1800	460	447TPA	HO350S2SLHX	RU	\$40,796	\$39,549	94.5	17150	20	49-25/32	1-11/16	3/8	2200	51,PWS
400	1800	460	449TPH	HO400S2SLHX	HU	\$46,261	\$45,014	95.4	28500	20	49-25/32	1-15/16	1/2	2800	51,52,53,PWS
500	1800	460	5008PH	HO500S2SLHX	RU	\$56,378	\$54,969	95.4	28500	20	57-1/16	2-3/16	1/2	3700	51,52,53,PWS
600	1800	460	5008P	HO600S2SLJX	RU	\$84,730	\$83,322	95.0	28500	24-1/2	57-1/16	2-3/16	1/2	3700	51,52,53,PWS

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DIMENSION PRINTS

NOTE: Alternative Coupling Sizes per Frame Size are listed on pages 282-284.

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

Note 53 Synthetic Oil required

Note 91 Includes SRC & 115V Space Heater

Note PWS Part Winding Start

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

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
- 115 Volt Space Heater (through 250 HP)
- Corrosion Resistant Mill & Chemical Duty Paint
- Stainless Steel Nameplate
- NRR = Non-Reverse Ratchet, SRC = Self-Release Coupling
- Discount Symbol: DS-7VS

HP	RPM	Voltage	Frame	Catalog Number	Type	List w/NRR	List w/SRC	% FL 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	HO7E2BLE	AUE	\$3,303	\$3,059	90.2	2500	10	17-9/16	1	1/4	210	
10	1800	230/460	215TP	HO10E2BLE	AUE	\$3,641	\$3,364	91.0	2500	10	17-9/16	1	1/4	220	
25	1800	230/460	284TPH	HO25E2BLG	AUE	\$5,606	\$5,188	92.4	3300	16-1/2	24-3/4	1	1/4	305	
30	1800	230/460	286TPH	HO30E2BLG	AUE	\$6,174	\$5,709	92.4	3300	16-1/2	24-3/4	1	1/4	325	
40	1800	230/460	324TP	HO40E2BLG	RUE	\$7,383	\$6,899	93.6	5700	16-1/2	28-7/32	1-1/4	1/4	635	
	1800	230/460	324TPH	HO40E2BLF	RUE	\$7,383	\$6,899	93.6	5700	12	28-7/32	1-1/4	1/4	635	
	1800	575	324TP	HO40E2GLG	RUE	\$7,383	\$6,899	93.0	5700	16-1/2	28-7/32	1-3/16	1/4	635	
50	1800	230/460	326TP	HO50E2BLG	RUE	\$8,500	\$7,923	93.6	5700	16-1/2	28-7/32	1-1/4	1/4	675	
	1800	575	326TP	HO50E2GLG	RUE	\$8,500	\$7,923	93.0	5700	16-1/2	28-7/32	1-3/16	1/4	675	
60	1800	460	364TP	HO60E2SLG	RUE	\$10,063	\$9,401	94.1	5700	16-1/2	31-5/32	1-1/4	1/4	730	PWS
	1800	575	364TP	HO60E2GLG	RUE	\$10,063	\$9,401	93.6	5700	16-1/2	31-5/32	1-3/16	1/4	730	
75	1800	460	365TP	HO75E2SLG	RUE	\$11,847	\$11,040	94.1	5700	16-1/2	31-5/32	1-1/4	1/4	800	PWS
	1800	575	365TP	HO75E2GLG	RUE	\$11,847	\$11,040	94.1	5700	16-1/2	31-5/32	1-3/16	1/4	800	
100	1800	460	404TP	HO100E2SLG	RUE	\$15,230	\$14,211	94.5	6700	16-1/2	36-15/16	1-1/2	3/8	1110	PWS
125	1800	460	405TP	HO125E2SLG	RUE	\$17,854	\$16,620	95.0	6700	16-1/2	36-15/16	1-1/2	3/8	1200	PWS
150	1800	460	H444TP	HO150E2SLG	RUE	\$23,955	\$22,655	95.4	9800	16-1/2	44-25/32	1-11/16	3/8	1500	PWS
200	1800	460	H445TP	HO200E2SLG	RUE	\$30,533	\$28,763	95.4	9800	16-1/2	44-25/32	1-11/16	3/8	1600	PWS

NOTE: Alternative Coupling Sizes per Frame Size are listed on pages 282-284.

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 PWS Part Winding Start

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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
- 115 Volt Space Heater (through 250 HP)
- Refer to Page ii-iv for Guidelines & Compatibility with VFD's
- Corrosion Resistant Mill & Chemical Duty Paint
- Premium Efficient Design, Special Balance
- NRR = Non-Reverse Ratchet, SRC = Self-Release Coupling
- Discount Symbol: DS-7VS

HP	RPM	Voltage	Frame	Catalog Number	Type	List w/NRR	List w/SRC	NEE	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	24-3/4	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	
20	3600	230/460	254TPH	HO20P1BLF	AUS	\$4,708	\$4,061	91.0	2600	12	24-3/4	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	
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	
30	3600	230/460	284TPA	HO30P1BLF	AUS	\$5,369	\$4,698	91.7	2600	12	24-3/4	1	1/4	300	
	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	
40	3600	230/460	286TPA	HO40P1BLF	AUS	\$5,927	\$5,228	92.4	2600	12	24-3/4	1	1/4	330	
	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	16-1/2	28-7/32	1-1/4	1/4	635	
	1800	460	324TP	HO40P2SLG	RUS	\$7,017	\$6,526	94.5	5700	16-1/2	28-7/32	1-1/4	1/4	635	PWS
50	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	16-1/2	28-7/32	1-1/4	1/4	675	
	1800	460	326TP	HO50P2SLG	RUS	\$8,182	\$7,609	94.5	5700	16-1/2	28-7/32	1-1/4	1/4	675	PWS
60	1800	230/460	364TP	HO60P2BLG	RUS	\$9,528	\$8,861	95.0	5700	16-1/2	31-5/32	1-1/4	1/4	730	
	1800	460	364TP	HO60P2SLG	RUS	\$9,528	\$8,861	95.0	5700	16-1/2	31-5/32	1-1/4	1/4	730	PWS
75	1800	230/460	365TP	HO75P2BLG	RUS	\$11,327	\$10,534	95.0	5700	16-1/2	31-5/32	1-1/4	1/4	800	
	1800	460	365TP	HO75P2SLG	RUS	\$11,327	\$10,534	95.0	5700	16-1/2	31-5/32	1-1/4	1/4	800	PWS
100	1800	230/460	404TP	HO100P2BLG	RUS	\$14,376	\$13,370	95.4	6700	16-1/2	36-5/16	1-1/2	3/8	1100	
	1800	460	404TP	HO100P2SLG	RUS	\$14,376	\$13,370	95.4	6700	16-1/2	36-5/16	1-1/2	3/8	1100	PWS
	1800	460	404TP	HO100P2SLGX	RUS	\$14,858	\$13,818	95.4	11725	16-1/2	36-5/16	1-1/2	3/8	1100	PWS
125	1800	460	405TP	HO125P2SLG	RUS	\$17,769	\$16,330	95.4	6700	16-1/2	36-15/16	1-1/2	3/8	1200	PWS
	1800	460	405TP	HO125P2SLGX	RUS	\$18,387	\$16,959	95.4	11725	16-1/2	36-15/16	1-1/2	3/8	1200	PWS
150	1800	460	H444TP	HO150P2SLG	RUS	\$22,955	\$21,655	95.8	9800	16-1/2	44-7/8	1-11/16	3/8	1500	PWS
	1800	460	H444TP	HO150P2SLGX	RUS	\$23,466	\$22,166	95.8	17150	16-1/2	44-7/8	1-11/16	3/8	1500	PWS
	1800	460	H444TP	HO150P2SLH	RUS	\$22,955	\$21,655	95.8	9800	20	44-7/8	1-11/16	3/8	1500	PWS
200	1800	460	H445TP	HO200P2SLG	RUS	\$28,995	\$26,935	95.8	9800	16-1/2	44-7/8	1-11/16	3/8	1600	PWS
	1800	460	H445TP	HO200P2SLHX	RUS	\$29,974	\$27,933	95.8	17150	20	44-7/8	1-11/16	3/8	1600	PWS
250	1800	460	H445TP	HO250P2SLHX	RUS	\$37,811	\$36,127	95.8	17150	20	44-7/8	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	HUS	\$55,213	\$53,725	96.2	28500	20	49-25/32	1-15/16	1/2	2800	52,53,PWS
450	1800	460	449TPH	HO450P2SLHX	HUS	\$58,702	\$57,235	96.2	28500	20	49-25/32	1-15/16	1/2	2800	52,53,PWS
500	1800	460	5008PH	HO500P2SLHX	RUE	\$69,896	\$68,735	96.2	28500	20	57-1/16	2 3/16	1/2	3700	52,53,PWS
600	1800	460	5012P	HO600P2SLJX	RUE	\$93,512	\$91,958	96.2	30500	24.5	72-5/16	2 3/16	1/2	6200	52,53,PWS

NOTE: Alternative Coupling Sizes per Frame Size are listed on pages 282-284.

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.

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

53 Synthetic Oil required

Note PWS Part Winding Start

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



Revised — November 2016

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)
- Inverter Duty per NEMA® MG-1 Part 31 at 1.0 Service Factor
- 115 Volt Space Heater (through 250 HP)
- Corrosion Resistant Mill & Chemical Duty Paint
- Premium Efficient Design, Special Balance
- NRR = Non-Reverse Ratchet, SRC = Self-Release Coupling
- A member of the Accu-series family of variable speed products

HP	RPM	Frame	Voltage	Catalog Number	Type	List w/NRR	List w/SRC	NNE	Down Thrust (lbs.)	Base Dia (in.)	Cplg Height (in.)	Cplg BX (in.)	Cplg Key Size	Ship Wt. (lbs.)	Notes
15	1800	254TP	230/460	HO15V2BLE	AUSI	\$5,226	\$4,897	93.0	3300	10	23-3/8	1	1/4	265	51,97,D
20	1800	256TPH	230/460	HO20V2BLF	AUSI	\$5,728	\$5,352	93.0	3300	12	23-3/8	1	1/4	300	51,97,D
25	1800	284TPA	230/460	HO25V2BLF	AUSI	\$6,456	\$6,038	93.6	3300	12	24-3/4	1	1/4	305	51,97,D
30	1800	286TPA	230/460	HO30V2BLF	AUSI	\$7,024	\$6,559	94.1	3300	12	24-3/4	1	1/4	325	51,97,D
40	1800	324TP	230/460	HO40V2BLG	RUSI	\$7,779	\$7,296	94.1	5700	16-1/2	28-7/32	1-1/4	1/4	635	51,97,D
	1800	324TPH	230/460	HO40V2BLF	RUSI	\$7,779	\$7,296	94.1	5700	12	28-7/32	1-1/4	1/4	635	51,97,D
	1800	324TP	575	HO40V2GLG	RUSI	\$7,779	\$7,296	94.1	5700	16-1/2	28-7/32	1-1/4	1/4	635	51,97,D
50	1800	326TP	230/460	HO50V2BLG	RUSI	\$8,894	\$8,317	95.4	5700	16-1/2	28-7/32	1-1/4	1/4	736	51,97,D
	1800	326TP	575	HO50V2GLG	RUSI	\$8,894	\$8,317	94.5	5700	16-1/2	28-7/32	1-1/4	1/4	675	51,97,D
60	1800	364TP	460	HO60V2SLG	RUSI	\$10,528	\$9,866	95.0	5700	16-1/2	31-5/32	1-1/4	1/4	730	51,97,D,PWS
	1800	364TP	575	HO60V2GLG	RUSI	\$10,528	\$9,866	95.0	5700	16-1/2	31-5/32	1-1/4	1/4	730	51,97,D
75	1800	365TP	460	HO75V2SLG	RUSI	\$12,312	\$11,505	95.0	5700	16-1/2	31-5/32	1-1/4	1/4	800	51,97,D,PWS
	1800	365TP	575	HO75V2GLG	RUSI	\$12,312	\$11,505	95.0	5700	16-1/2	31-5/32	1-1/4	1/4	800	51,97,D
100	1800	404TP	460	HO100V2SLGX	RUSI	\$16,418	\$15,399	95.4	11725	16-1/2	36-15/16	1-1/2	3/8	1110	51,97,E,PWS
	1800	404TP	460	HO100V2SLG	RUSI	\$15,885	\$14,866	95.4	6700	16-1/2	36-15/16	1-1/2	3/8	1110	51,97,E,PWS
	1800	404TP	575	HO100V2GLG	RUSI	\$15,885	\$14,886	95.4	6700	16-1/2	36-15/16	1-1/2	3/8	1100	51,97,E,PWS
125	1800	405TP	460	HO125V2SLGX	RUSI	\$19,153	\$17,919	95.4	11725	16-1/2	36-15/16	1-1/2	3/8	1200	51,97,E,PWS
	1800	405TP	460	HO125V2SLG	RUSI	\$18,509	\$17,275	95.4	6700	16-1/2	36-15/16	1-1/2	3/8	1200	51,97,E,PWS
	1800	405TP	575	HO125V2GLG	RUSI	\$18,509	\$17,275	95.4	6700	16-1/2	36-15/16	1-1/2	3/8	1200	51,97,E,PWS
150	1800	H444TP	460	HO150V2SLGX	RUSI	\$25,109	\$23,809	95.8	17150	16-1/2	44-25/32	1-11/16	3/8	1500	51,97,E,PWS
	1800	H444TP	460	HO150V2SLG	RUSI	\$24,562	\$23,262	95.8	9800	16-1/2	44-25/32	1-11/16	3/8	1500	51,97,E,PWS
	1800	H444TP	575	HO150V2GLG	RUSI	\$24,562	\$23,262	95.8	9800	16-1/2	44-25/32	1-11/16	3/8	1500	51,97,E,PWS
200	1800	H445TPA	460	HO200V2SLH	RUSI	\$31,516	\$29,746	95.8	9800	20	44-25/32	1-11/16	3/8	1600	51,97,E,PWS
	1800	H445TPA	460	HO200V2SLHX	RUSI	\$32,580	\$30,810	95.8	17150	20	44-25/32	1-11/16	3/8	1600	51,97,E,PWS
	1800	H445TP	575	HO200V2GLG	RUSI	\$31,516	\$29,746	95.8	9800	16-1/2	44-25/32	1-11/16	3/8	1600	51,97,E,PWS
250	1800	H445TPA	460	HO250V2SLH	RUSI	\$39,399	\$38,066	95.4	9800	20	44-25/32	1-11/16	3/8	1600	51,97,E,PWS
	1800	H445TPA	460	HO250V2SLHX	RUSI	\$40,657	\$39,324	95.4	17150	20	44-25/32	1-11/16	3/8	1600	51,97,E,PWS
	1800	H445TP	575	HO250V2GLG	RUSI	\$39,399	\$38,066	95.8	9800	16-1/2	44-25/32	1-11/16	3/8	1600	51,97,E,PWS
300	1800	447TPA	460	HO300V2SLHX	RUSI	\$47,203	\$45,957	95.8	17150	20	49-25/32	1-11/16	3/8	2100	51,97,E,PWS
	1800	447TPA	460	HO300V2SLH	RUSI	\$45,704	\$44,458	95.8	9800	20	49-25/32	1-11/16	3/8	2200	51,97,E,PWS
	1800	447TP	575	HO300V2GLG	RUSI	\$45,704	\$44,458	95.8	9800	16-1/2	49-25/32	1-11/16	3/8	2200	51,97,E,PWS
350	1800	447TPA	460	HO350V2SLH	RUSI	\$50,683	\$49,437	95.8	9800	20	49-25/32	1-11/16	3/8	2200	51,97,E,PWS
	1800	447TPA	460	HO350V2SLHX	RUSI	\$52,422	\$51,176	95.8	17150	20	49-25/32	1-11/16	3/8	2100	51,97,E,PWS
	1800	447TP	575	HO350V2GLG	RUSI	\$50,683	\$49,437	95.8	9800	16-1/2	49-25/32	1-11/16	3/8	2200	51,97,E,PWS
400	1800	449TPH	460	HO400V2SLHX	HUSI	\$61,734	\$60,488	95.8	28500	20	49-25/32	1-15/16	1/2	2800	V10,PWS
	1800	449TPH	460	HO400V2SLH	HUSI	\$57,514	\$56,268	95.8	9500	20	49-25/32	1-15/16	1/2	2800	51,97,E,PWS
	1800	449TP	575	HO400V2GLJ	HUSI	\$57,514	\$56,268	95.8	9500	24-1/2	49-25/32	1-15/16	1/2	2400	51,97,E,PWS



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

HP	RPM	Frame	Voltage	Catalog Number	Type	List w/NRR	List w/SRC	NNE	Down Thrust (lbs.)	Base Dia (in.)	Cplg Height (in.)	Cplg BX (in.)	Cplg Key Size	Ship Wt. (lbs.)	Notes
450	1800	449TPH	460	HO450V2SLH	HUSI	\$61,148	\$59,871	96.2	9500	20	49-25/32	1-15/16	1/2	2800	51,97,E,PWS
	1800	449TPH	460	HO450V2SLHX	HUSI	\$65,638	\$64,361	96.2	28500	20	49-25/32	1-15/16	1/2	2800	V10,PWS
500	1800	5008PH	460	HO500V2SLH	RUEI	\$73,575	\$71,736	95.8	9500	20	57-1/16	2-3/16	1/2	3700	51,97,E,PWS
	1800	5008PH	460	HO500V2SLHX	RUEI	\$78,955	\$77,116	95.8	28500	20	57-1/16	2-3/16	1/2	3700	V10,PWS
600	1800	5012P	460	HO600V2SLJX	RUEI	\$99,481	\$97,530	96.2	30900	24.5	72-5/16	2-7/16	5/8	4850	V10,PWS

CONVERSION
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CHARACTERISTICSDIMENSION
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PART NUMBERSDIMENSION
PRINTS

NOTE: Alternative Coupling Sizes per Frame Size are listed on pages 282-284.

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 HOLLOWSHAFT® High Thrust Motors - "P" Base, Three Phase Totally Enclosed Fan Cooled (TEFC) Standard Efficient

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)
- Corrosion Resistant Mill & Chemical Duty Paint
- NRR = Non-Reverse Ratchet, SRC = Self-Release Coupling

HP	RPM	Frame	Voltage	Catalog Number	Type	List w/NRR	List w/SRC	% FL 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	HT5S1BLE	TU	\$2,692	\$2,434	80.0	2200	10	17-9/16	1	1/4	170	
	1800	230/460	184TP	HT5S2BLE	TU	\$2,683	\$2,298	82.5	2500	10	17-9/16	1	1/4	170	
7 1/2	3600	230/460	213TP	HT7S1BLE	TU	\$2,786	\$2,514	81.5	2200	10	17-9/16	1	1/4	210	
	1800	230/460	213TP	HT7S2BLE	TU	\$2,737	\$2,394	84.0	2500	10	17-9/16	1	1/4	210	
10	3600	230/460	215TP	HT10S1BLE	TU	\$3,066	\$2,789	82.5	2200	10	17-9/16	1	1/4	220	
	1800	230/460	215TP	HT10S2BLE	TU	\$3,066	\$2,714	86.5	2500	10	17-9/16	1	1/4	220	
15	3600	230/460	215TP	HT15S1BLE	TU	\$3,629	\$3,352	86.5	2200	10	17-9/16	1	1/4	220	
	1800	230/460	254TP	HT15S2BLE	TU	\$4,683	\$4,261	88.5	3300	10	22-15/16	1	1/4	330	
20	1800	230/460	256TP	HT20S2BLE	TU	\$5,343	\$4,854	87.5	3300	10	22-15/16	1	1/4	300	
25	1800	230/460	284TPA	HT25S2BLF	TU	\$5,958	\$5,413	89.5	3300	12	26-9/16	1	1/4	320	
30	1800	230/460	286TPA	HT30S2BLF	TU	\$6,700	\$6,089	88.5	3300	12	26-9/16	1	1/4	330	1.00 SF
40	1800	230/460	324TP	HT40S2BLG	TU	\$8,380	\$7,700	91.0	4500	16-1/2	28-1/2	1-1/4	1/4	665	
50	1800	230/460	326TP	HT50S2BLG	TU	\$9,944	\$9,136	91.0	4500	16-1/2	28-1/2	1-1/4	1/4	690	
60	1800	460	364TP	HT60S2CLG	TU	\$12,305	\$11,305	91.7	5600	16-1/2	30	1-1/4	1/4	900	
75	1800	460	365TP	HT75S2CLG	TU	\$14,981	\$13,777	92.4	5600	16-1/2	30	1-1/4	1/4	925	
100	1800	460	405TP	HT100S2CLG	TU	\$20,188	\$18,554	93.0	7000	16-1/2	39-15/16	1-1/2	3/8	1500	
125	1800	460	444TP	HT125S2CLG	TU	\$26,268	\$24,399	92.4	9300	16-1/2	42-1/2	1-1/2	3/8	1900	

NOTE: Alternative Coupling Sizes per Frame Size are listed on pages 282-284.

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 — February 2016

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 (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
- Refer to Page ii-iv for Guidelines & Compatibility with VFD's
- Corrosion Resistant Mill & Chemical Duty Paint
- Premium Efficient Design, Special Balance
- Stainless Steel Nameplate
- NRR = Non-Reverse Ratchet, SRC = Self-Release Coupling
- Discount Symbol = DS-7VS
- 115 Volt Space Heater

HP	RPM	Voltage	Frame	Catalog Number	Type	List w/NRR	List w/SRC	% FL 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	\$3,912	\$3,579	88.5	2200	10	17-9/16	1	1/4	170	—
	1800	230/460	184TP	HT5P2BLE	TUS	\$3,671	\$3,338	90.2	2500	10	17-9/16	1	1/4	170	—
7 1/2	3600	230/460	H213TP	HT7P1BLE	TUS	\$4,063	\$3,720	89.5	2200	10	18 13/16	1	1/4	210	—
	1800	230/460	H213TP	HT7P2BLE	TUS	\$3,981	\$3,638	91.7	2500	10	18 13/16	1	1/4	210	—
10	3600	230/460	H215TP	HT10P1BLE	TUS	\$4,420	\$4,068	90.2	2200	10	18 13/16	1	1/4	220	—
	1800	230/460	H215TP	HT10P2BLE	TUS	\$4,328	\$3,976	91.7	2500	10	18 13/16	1	1/4	220	—
15	3600	230/460	H215TP	HT15P1BLE	TUS	\$4,969	\$4,556	91.0	2200	10	18 13/16	1	1/4	220	—
	1800	230/460	254TP	HT15P2BLE	TUS	\$6,049	\$5,626	93.0	3300	10	22-15/16	1	1/4	265	—
20	1800	230/460	256TP	HT20P2BLE	TUS	\$6,736	\$6,248	93.0	3300	10	22-15/16	1	1/4	300	—
25	1800	230/460	284TPA	HT25P2BLF	TUS	\$7,603	\$7,058	93.6	3300	12	26-9/16	1	1/4	320	—
30	1800	230/460	286TPA	HT30P2BLF	TUS	\$8,379	\$7,769	93.6	3300	12	26-9/16	1	1/4	330	—
40	1800	230/460	324TP	HT40P2BLG	TUS	\$10,618	\$9,937	94.5	4500	16-1/2	28-1/2	1-1/4	1/4	665	—
50	1800	230/460	326TP	HT50P2BLG	TUS	\$12,256	\$11,448	94.5	4500	16-1/2	28-1/2	1-1/4	1/4	690	—
60	1800	460	364TP	HT60P2CLG	TUS	\$15,209	\$14,209	95.0	5600	16-1/2	30	1-1/4	1/4	900	—
75	1800	460	365TP	HT75P2CLG	TUS	\$17,924	\$16,713	95.4	5600	16-1/2	30	1-1/4	1/4	925	—
100	1800	460	405TP	HT100P2CLG	TUS	\$24,247	\$22,613	95.4	7000	16-1/2	39-15/16	1-3/16	1/4	1500	—
125	1800	460	444TP	HT125P2CLG	TUS	\$33,775	\$31,906	95.4	9300	16-1/2	42-1/2	1-1/2	3/8	1800	—

NOTE: Alternative Coupling Sizes per Frame Size are listed on pages 282-284.

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.

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