

Hydroflo Pumps

VHS MOTORS

QUALITY ENGINEERING by
HYDROFLO PUMPS

15HP - 300HP

Hydroflo Pumps
Fluid Solutions[™]
A Taco Group Company



PREMIUM & HIGH EFFICIENCY VHS MOTORS

HYDROFLO VHS PREMIUM EFFICIENT MOTORS

ENGINEERING FEATURES:

- Three year Factory Warranty
- Inverter Duty NEMA MG-1 Part 31
- 1.15 Service Factor, Maximum Ambient 40 degrees C- 3,300 ft altitude
- Class F Insulation, Class B Rise at full load
- 120V Space Heaters Standard
- Non-Reverse Ratchet Standard (ball type)
- 230/460V up to 60 HP, 460V PWS and 12 Lead Available on all sizes
- Optional Thermostats, RTDs, Coatings, and Steady Bushings Available

AVAILABLE OPTIONS:

- Aegis Grounding Rings
- Insulated Bearings
- Thermostats, RTDs, Coatings, and Steady Bushings

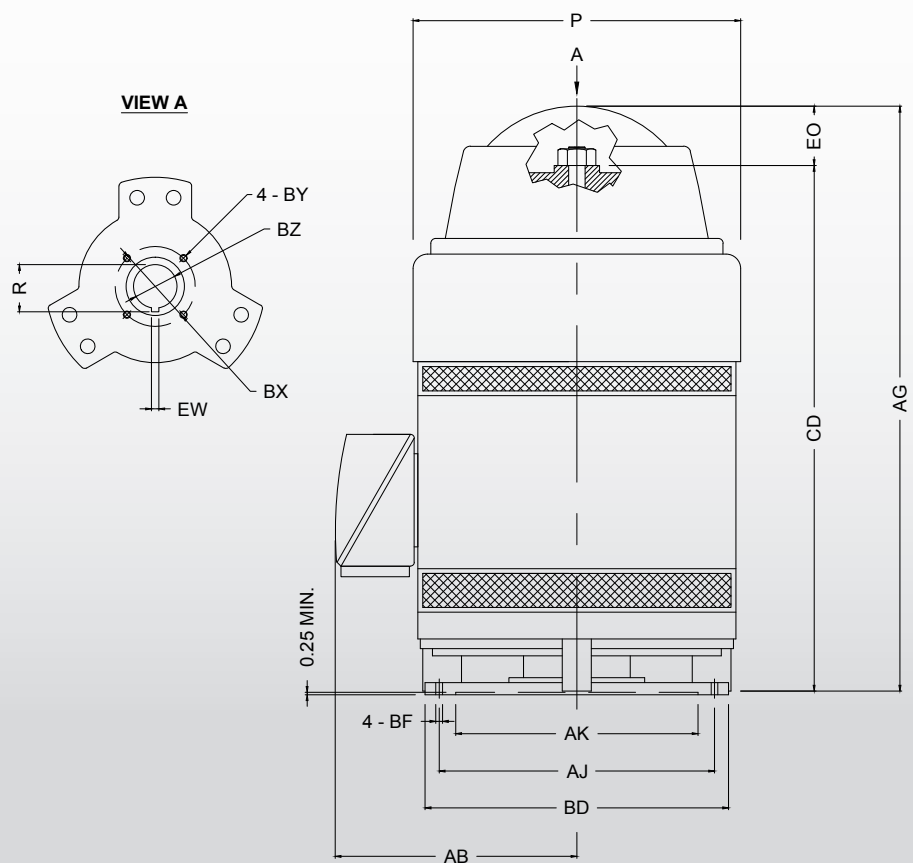
RATINGS AND PERFORMANCE

200, 230,460 & 575 VOLTS / 60 HERTZ, 3 PHASE

Frame Type	Rated Output (hp)	RPM	AT 460VOLTS		Locked Rotor Torque (Lb-ft)	Eff. (%)	Power factor (%)	Nema Code Letter	Torque		Downd thrust		Enclosure Weather Protected
			Full Load Current (A)	Locked Rotor Current (A)					Locke d Rotor	Break Down	Std. (Lb)	Extra (Lb)	
VHS254TP-4-0	15	1770	17.4	105	44.7	93.0	85.6	G	160	200	3200	3200	WP-1
VHS256TP-4-0	20	1780	23.3	140	59.7	93.0	85.3	G	160	200	3200	3200	
VHS284TP-4-0	25	1780	28.7	172	74	93.6	86.0	G	150	200	3200	3200	
VHS286TP-4-0	30	1780	34.1	211	89.2	94.1	86.4	G	150	200	3200	3200	
VHS324TP-4-0	40	1780	45.1	281	119	94.1	87.1	G	150	200	5500	8800	
VHS326TP-4-0	50	1780	56.6	351	149	94.5	86.3	G	150	200	5500	8800	
VHS364TP-4-0	60	1782	68.0	422	177	95.0	85.8	G	140	200	5600	8960	
VHS365TP-4-0	75	1782	85.2	520	222	95.0	85.6	G	140	200	5600	8960	
VHS404TP-4-1	100	1785	114.1	713	297	95.4	84.9	G	140	200	6700	10750	
VHS405TP-4-1	125	1785	138.0	883	370	95.4	87.7	G	140	200	6700	10750	
VHS444TP-4-1	150	1785	166.4	1065	443	95.8	86.9	G	130	200	8000	12800	
VHS445TP-4-2	200	1785	223	1428	590	95.8	86.5	G	130	200	8000	12800	
VHS445TP-4-2	250	1785	277	1799	738	95.8	87.0	G	130	175	8000	12800	
VHS5006P-4-3	300	1787	318	2167	882	95.8	90.9	G	110	175	8750	14000	

H.P.	Mounting Dimensions(inch)											Overall Dimensions (inch)		
	BD	AJ	AK	BF	BX	BZ	EW	R	BY	CD	EO>	P	AB	AG
15	10	9.125	8.25	0.44	1	1.38	0.25	1.13	10-32	23.38	3.22	15.2	11.1	28.1
20	10	9.125	8.25	0.44	1	1.38	0.25	1.13	10-32	23.38	3.22	15.2	11.1	28.1
25	10	9.125	8.25	0.44	1	1.38	0.25	1.13	10-32	24.75	3.22	15.2	11.1	28.1
30	10	9.125	8.25	0.44	1	1.38	0.25	1.13	10-32	24.75	3.22	15.2	11.1	28.1
40	16.5	14.75	13.5	0.69	1.25	1.75	0.25	1.367	1/4-20	28.22	4.22	18.9	12.68	32.7
50	16.5	14.75	13.5	0.69	1.25	1.75	0.25	1.367	1/4-20	28.22	4.22	18.9	12.68	32.7
60	16.5	14.75	13.5	0.69	1.25	1.75	0.25	1.367	1/4-20	31.16	4.56	20.8	14.37	36.0
75	16.5	14.75	13.5	0.69	1.25	1.75	0.25	1.367	1/4-20	31.16	4.56	20.8	14.37	36.0
100	16.5	14.75	13.5	0.69	1.5	2.125	0.375	1.668	1/4-20	36.94	4.56	22.9	15.24	42.2
125	16.5	14.75	13.5	0.69	1.5	2.125	0.375	1.668	1/4-20	36.94	4.56	22.9	15.24	42.2
150	16.5	14.75	13.5	0.69	1.69	2.5	0.375	1.854	1/4-20	42.66	5	25.5	18.13	47.7
200	16.5	14.75	13.5	0.69	1.69	2.5	0.375	1.854	1/4-20	42.66	5	25.5	18.13	47.7
250	16.5	14.75	13.5	0.69	1.69	2.5	0.375	1.854	1/4-20	42.66	5	25.5	18.13	47.7
300	20	14.75	13.5	0.69	1.938	2.5	0.5	2.16	1/4-20	53.91	6	33.8	27.5	60.2

HIGH THRUST, PREMIUM EFFICIENT VHS MOTORS



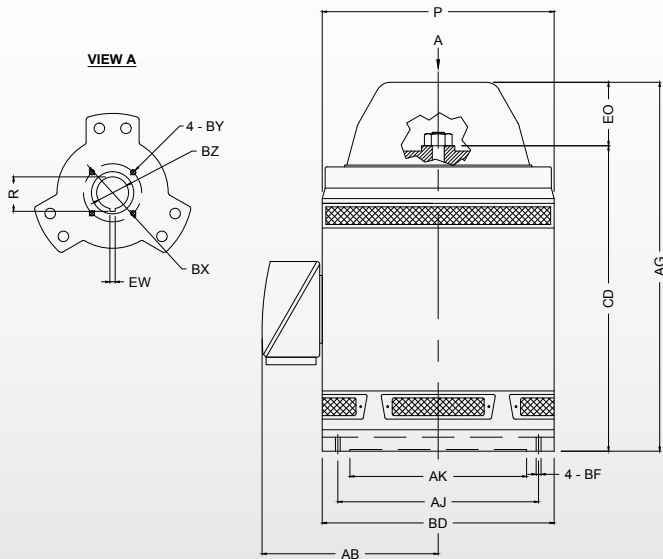
HYDROFLO VHS HIGH EFFICIENCY MOTORS

Type	Rated Output HP	RPM	460v Full Load Current	460v Locked Rotor Current	Full Load Torque (LB-FT)	EFF. (%)	Class Ins. Letter	Down thrust Std. (LB)	Down thrust Extra (LB)
OHS180-3-4	25	1770	30.1	182.5	74	89.2	F	3200	3200
OHS180-4-4	30	1780	35.5	217.5	89	90.2	F	3200	3200
OHS200-1-4	40	1780	49.6	290	119	90.7	F	3200	3200
OHS200-2-4	50	1780	58.2	362.2	149	91.8	F	3200	3200
OHS225-1-4	60	1780	71.3	435	177	92.3	F	5500	8000
OHS225-2-4	75	1780	87.7	542.5	222	92.3	F	5500	8000
OHS250-2-4	100	1780	119.8	725	297	93.2	F	6700	8800
OHS250-3-4	125	1780	140.3	907	370	93.8	F	6700	8800
OHS280-1-4	150	1780	169.6	1085	443	94	F	8000	11000

Dimensions

HP	BD	AJ	AK	BF	BX	BZ	EW	R	BY	CD	EO	P	AB	AG
25/30	12	9.125	8.25	.44	1.00	1.38	.25	1.13	10-32	24.75	3.22	15.2	11.1	29.5
40/50	16.5	14.75	13.5	.69	1.18	1.75	.25	1.367	1/4-20	28.22	4.22	17.3	12.68	32.7
60/75	16.5	14.75	13.5	.69	1.18	1.75	.25	1.367	1/4-20	31.16	4.56	19.1	14.37	36
100/125	16.5	14.75	13.5	.69	1.5	2.25	.375	1.668	1/4-20	36.94	4.56	21	15.24	42.2
150	16.5	14.75	13.5	.69	1.69	2.50	.375	1.854	1/4-20	42.66	5	23.3	18.13	47.7

HIGH EFFICIENCY VHS MOTORS



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