



SERIES

Vertical Hollow-shaft Motors(WP-1)

Features and Applications:

Series VHS vertical hollow-shaft motors, the latest products of our factory, are three phase squirrel cage induction motors specially for driving vertical deep-well turbine pumps.

The motors are of high efficiency, high starting torque, quiet-running, low vibration, low temperature rise, can sustain heavy axial thrust load, have compact and reliable structure with easy maintenance etc. The rated output grades conform to the IEC standard.

After being fitted with vertical pumps, the motors are widely used in pumping underground water in mines, city, farm and factories etc. The degree of protection is weather-protected type 1(drip-proof).

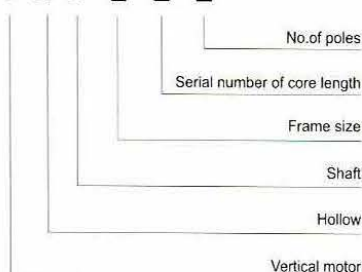
Ordering:

When making an enquiry or ordering a motor please give the following information:

- Horsepower or KW output
- Speed
- Frequency
- Insulation class
- Ambient temperature
- Non-reverse backstop, if required
- Method of starting
- Unless specified otherwise at the time of ordering, the downthrust load of the motor would be of standard.

Designations:

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Motors of Special Purpose:

We also provide VHS motors of different applications, namely with rated voltage below 600v, frequency of 60Hz, class of insulation either B or F etc.

We can also supply other special purpose motors, if required please contact us directly.

We are willing to serve you with pleasure.

Ratings and Performance:

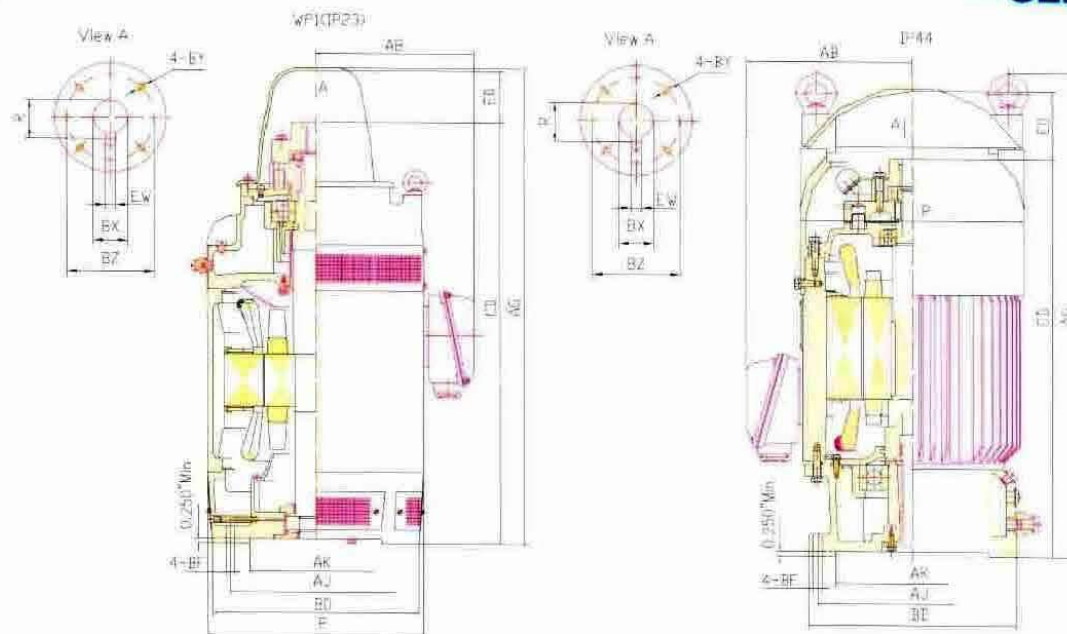
Type	Rated Output (hp/kw)	Rated Current (A)	Rated Voltage (V)	Rated Frequency (Hz)	Synchronous Speed (r/min)	DownthrustLoad				Efficiency (%)	Power Factor	Locked Rotor Current Rated Current	Locked Rotor Torque Rated Torque	Breakdown Torque Rated Torque	Degree of Protection
						Standard (N)	Extra (lb)	Standard (N)	Extra (lb)						
VHS132-1-2	7.5/5.5	11/10.8	380	50	3000	7840	1760	8620	1935	83.8	0.88	7	1.9	2.2	IP44
VHS132-2-2	10/7.5	14.4/14.5	380	50	3000	7840	1760	8620	1935	84.8	0.88	7	1.9	2.2	
VHS160-1-2	15/11	22.5/22	380	50	3000	9800	2200	13170	2960	84.5	0.88	7	1.8	2.2	
VHS160-2-2	20/15	30	380	50	3000	9800	2200	13170	2960	85.5	0.88	7	1.8	2.2	
VHS160-1-4	15/11	23/22.5	380	50	1500	12740	2860	16640	3740	86.5	0.85	7	1.8	2	
VHS160-2-4	20/15	30	380	50	1500	12740	2860	16640	3740	87.5	0.86	7	1.8	2	
VHS180-1-2	25/18.5	36	380	50	3000	12740	2860	13170	2960	87	0.88	7	1.7	2.2	IP23 (WP-1)
VHS180-2-2	30/22	43/42.5	380	50	3000	12740	2860	13170	2960	87.5	0.88	7	1.7	2.2	
VHS180-1-4	25/18.5	37	380	50	1500	15680	3520	16640	3740	88	0.86	7	1.7	2	
VHS180-2-4	30/22	43.5/43	380	50	1500	15680	3520	16640	3740	88.5	0.86	7	1.7	2	
VHS200-1-2	40/30	58	380	50	3000	16660	3740	17350	3900	88	0.88	7	1.7	2.2	
VHS200-2-2	50/37	70.5/70	380	50	3000	16660	3740	17350	3900	88.5	0.88	7	1.7	2.2	
VHS200-1-4	40/30	58/58.5	380	50	1500	21560	4850	22250	5000	89.5	0.87	7	1.7	2	
VHS200-2-4	50/37	72/71	380	50	1500	21560	4850	22250	5000	90	0.87	7	1.7	2	
VHS200-3-4	60/45	85/85.5	380	50	1500	21560	4850	22250	5000	90.5	0.87	7	1.7	2	
VHS250-1-4	75/55	105.5/103.5	380	50	1500	28420	6390	39150	8800	91	0.88	7	1.7	2	
VHS250-2-4	100/75	139.5/140	380	50	1500	28420	6390	39150	8800	91.5	0.88	7	1.7	2	
VHS250-3-4	125/90	173/167.5	380	50	1500	28420	6390	39150	8800	91.5	0.88	7	1.7	2	
VHS280-1-4	150/110	205.5/202	380	50	1500	39200	8810	51610	11600	92	0.88	7	1.7	2	IP23 (WP-1)
VHS280-2-4	175/132	238/241	380	50	1500	39200	8810	51610	11600	92.5	0.88	7	1.7	2	
VHS280-3-4	200/150	275/276	380	50	1500	39200	8810	51610	11600	92.5	0.88	7	1.7	2	
VHS280-4-4	250/185	348/345	380	50	1500	39200	8810	51610	11600	92.5	0.88	7	1.7	2	
VHS280-5-4	270/200	374/371	380	50	1500	39200	8810	51610	11600	93	0.88	7	1.7	2	
VHS280-6-4	300/220	415/408	380	50	1500	39200	8810	51610	11600	93	0.88	7	1.7	2	
VHS315-1-4	250/185	348/345	380	50	1500	47150	10600	59100	13286	93	0.88	7	1.7	2	
VHS315-2-4	270/200	374/371	380	50	1500	47150	10600	59100	13286	93	0.88	7	1.7	2	
VHS315-3-4	300/220	415/408	380	50	1500	47150	10600	59100	13286	93	0.88	7	1.7	2	
VHS315-4-4	350/260	484.5/480	380	50	1500	47150	10600	59100	13286	93.5	0.88	7	1.7	2	
VHS355-1-4	400/300	554	380	50	1500	58930	13248	70360	15818	93.5	0.88	7	1.7	2	
VHS355-2-4	450/335	623/618	380	50	1500	58930	13248	70360	15818	93.5	0.88	7	1.7	2	
VHS355-3-4	500/375	689	380	50	1500	58930	13248	70360	15818	94	0.88	7	1.7	2	
VHS355-4-4	600/450	826	380	50	1500	58930	13248	70360	15818	94	0.88	7	1.7	2	



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Mounting and Overall Dimensions:

SERIES VHS



Type	Mounting Dimensions(inch)											Overall Dimensions(inch)		
	BD	AJ	AK	BF	BX	BZ	EW	R	BY	CD	EO>	P	AB	AG
VHS132-1-2	10	9.125	8.25	0.44	0.751	1.375	0.188	0.837	10-32	19.32	3.15	10.8	7.9	23.4
VHS132-2-2	10	9.125	8.25	0.44	0.751	1.375	0.188	0.837	10-32	19.32	3.15	10.8	7.9	23.4
VHS160-1-2	12	9.125	8.25	0.44	1.001	1.375	0.25	1.114	10-32	29.02	3.15	13.8	11.6	32.9
VHS160-2-2	12	9.125	8.25	0.44	1.001	1.375	0.25	1.114	10-32	29.02	3.15	13.8	11.6	32.9
VHS160-1-4	12	9.125	8.25	0.44	1.001	1.375	0.25	1.114	10-32	29.02	3.15	13.8	11.6	32.9
VHS160-2-4	12	9.125	8.25	0.44	1.001	1.375	0.25	1.114	10-32	29.02	3.15	13.8	11.6	32.9
VHS180-1-2	16.5	14.75	13.5	0.69	1.001	1.375	0.25	1.114	10-32	30.31	3.54	15.6	12.4	34.3
VHS180-2-4	16.5	14.75	13.5	0.69	1.001	1.375	0.25	1.114	10-32	30.31	3.54	15.6	12.4	34.3
VHS180-1-4	16.5	14.75	13.5	0.69	1.001	1.375	0.25	1.114	10-32	30.31	3.54	15.6	12.4	34.3
VHS180-2-4	16.5	14.75	13.5	0.69	1.001	1.375	0.25	1.114	10-32	30.31	3.54	15.6	12.4	34.3
VHS200-1-2	16.5	14.75	13.5	0.69	1.001	1.375	0.25	1.114	10-32	34.29	3.74	17.5	14.4	38.6
VHS200-2-2	16.5	14.75	13.5	0.69	1.188	1.75	0.25	1.304	1/4-20	34.29	3.74	17.5	14.4	38.6
VHS200-1-4	16.5	14.75	13.5	0.69	1.188	1.75	0.25	1.304	1/4-20	34.29	3.74	17.5	14.4	38.6
VHS200-2-4	16.5	14.75	13.5	0.69	1.188	1.75	0.25	1.304	1/4-20	34.29	3.74	17.5	14.4	38.6
VHS200-3-4	16.5	14.75	13.5	0.69	1.188	1.75	0.25	1.304	1/4-20	34.29	3.74	17.5	14.4	38.6
VHS250-1-4	16.5	14.75	13.5	0.69	1.188	1.75	0.25	1.304	1/4-20	45	4.13	21.3	16.2	50
VHS250-2-4	16.5	14.75	13.5	0.69	1.438	2.125	0.375	1.605	1/4-20	45	4.13	21.3	16.2	50
VHS250-3-4	16.5	14.75	13.5	0.69	1.438	2.125	0.375	1.605	1/4-20	45	4.13	21.3	16.2	50
VHS280-1-4	16.5	14.75	13.5	0.69	1.688	2.5	0.375	1.859	1/4-20	51.62	4.72	23.6	22.1	57.7
VHS280-2-4	16.5	14.75	13.5	0.69	1.688	2.5	0.375	1.859	1/4-20	51.62	4.72	23.6	22.1	57.7
VHS280-3-4	16.5	14.75	13.5	0.69	1.688	2.5	0.375	1.859	1/4-20	51.62	4.72	23.6	22.1	57.7
VHS280-4-4	20	14.75	13.5	0.69	1.938	2.5	0.5	2.16	1/4-20	53.5	4.72	23.6	22.1	58.5
VHS280-5-4	20	14.75	13.5	0.69	1.938	2.5	0.5	2.16	1/4-20	53.5	4.72	23.6	22.1	58.5
VHS280-6-4	20	14.75	13.5	0.69	1.938	2.5	0.5	2.16	1/4-20	53.5	4.72	23.6	22.1	58.5
VHS315-1-4	24.5	14.75	13.5	0.69	1.938	2.5	0.5	2.16	1/4-20	48.9	3.94	27.2	23.62	55.6
VHS315-2-4	24.5	14.75	13.5	0.69	1.938	2.5	0.5	2.16	1/4-20	48.9	3.94	27.2	23.62	55.6
VHS315-3-4	24.5	14.75	13.5	0.69	1.938	2.5	0.5	2.16	1/4-20	48.9	3.94	27.2	23.62	55.6
VHS315-4-4	24.5	14.75	13.5	0.69	1.938	2.5	0.5	2.16	1/4-20	48.9	3.94	27.2	23.62	55.6
VHS355-1-4	30.5	26	22	0.813	2.252	3.25	0.5	2.473	3/8-16	56.9	3.94	31.1	27.56	63
VHS355-2-4	30.5	26	22	0.813	2.252	3.25	0.5	2.473	3/8-16	56.9	3.94	31.1	27.56	63
VHS355-3-4	30.5	26	22	0.813	2.252	3.25	0.5	2.473	3/8-16	56.9	3.94	31.1	27.56	63