



SHANGHAI ELECTRICAL MACHINERY GROUP CO LTD.



NEMA Premium Efficient Vertical Hollow-shaft Motors

型号与性能数据 Ratings and Performance

特征 FEATURES

- F级绝缘，B级温升考核
Class F Insulation , Class B Rise at Full Load
- 1.15使用系数（电源正弦波）
1.15 Service Factor (Sine Wave Power)
- 最高环境温度55℃，最高海拔3300英尺
Maximun 55℃ Ambient , 3300 Feet Altitude
- 防护等级：气候防护I型
The Werther Protected Type 1 (IP-23)
- 230/460伏电压电机适用于230伏电压时部分绕组启动
230/460 Volt Motors Suitable For 230 Volt Part Winding Start
- 380~415电压电机适用于星/三角启动
380~415 Volt Suitable For Wye-Delta Start
- IEC Premium超高效率设计
IEC Premium Efficient Design
- 防逆转棘轮装置
NRR=Non-Reverse Ratchet

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380~415 VOLTS 50HERTZ(P1), 208~230/460 VOLTS 60 HERTZ(P2), 380~415 VOLTS 60HERTZ(P3), 3 PHASE, PREMIUM EFFICIENT

额定功率 Rated Output (hp)	转速 RPM	额定电压 Voltage (V)	型号 Type	使用系数 SF	额定电流 Full Load Current (A)	堵转电流 Locked Rotor Current (A)	堵转转矩 Locked Rotor Torque (Lb-ft)	效率 Efficiency (%)	堵转代码 Nema Code Letter	转矩倍数 Torque		轴向推力 Dow thrust		防护等级 Degree of protection
										Locked Rotor	Break Down	Standard (Lb)	Extra (Lb)	
15	1500	380~415	VHS160-1-4-015P1	1.15	21.4~20.2	138	53	93.0	H	170	200	3200	3200	IP23 (WP-1)
	1800	208~230/460	VHS160-1-4-015P2	1.15	38.6~35.7/17.9	112	44.7	93.0	G	170	200	3200	3200	
	1800	380~415	VHS160-1-4-015P3	1.15	21.4~20.2	124	44.7	93.0	G	170	200	3200	3200	
20	1500	380~415	VHS160-2-4-020P1	1.15	28.0~26.1	175	72	93.0	H	170	200	3200	3200	
	1800	208~230/460	VHS160-2-44-020P2	1.15	51.7~48.4/24.2	143	59.7	93.0	G	170	200	3200	3200	
	1800	380~415	VHS160-2-4-020P3	1.15	28.3~26.2	158	59.7	93.0	G	170	200	3200	3200	
25	1500	380~415	VHS180-1-4-025P1	1.15	34.7~32.4	220	89	93.6	H	160	200	3200	3200	
	1800	208~230/460	VHS180-2-4-025P2	1.15	63.6~58.6/29.3	180	74	93.6	G	160	200	3200	3200	
	1800	380~415	VHS180-2-4-025P3	1.15	34.8~32.2	199	74	93.6	G	160	200	3200	3200	
30	1500	380~415	VHS180-2-4-030P1	1.15	41.4~38.7	261	107	94.1	H	160	200	3200	3200	
	1800	208~230/460	VHS180-2-4-030P2	1.15	76.3~70.2/35.1	215	89.2	94.1	G	160	200	3200	3200	
	1800	380~415	VHS180-2-4-030P3	1.15	41.2~38.3	238	89.2	94.1	G	160	200	3200	3200	
40	1500	380~415	VHS200-1-4-040P1	1.15	55.1~51.8	352	143	94.1	H	160	200	5500	8800	
	1800	208~230/460	VHS200-1-4-40P2	1.15	102.1~98.3/49.1	285	119	94.1	G	160	200	5500	8800	
	1800	380~415	VHS200-1-4-040P3	1.15	54.9~51.2	315	119	94.1	G	160	200	5500	8800	
50	1500	380~415	VHS200-2-4-050P1	1.15	67.9~63.5	438	179	94.5	H	160	200	5500	8800	
	1800	208~230/460	VHS200-2-4-050P2	1.15	124.5~113.9/56.9	360	149	94.5	G	160	200	5500	8800	
	1800	380~415	VHS200-2-4-050P3	1.15	68.1~63.1	399	149	94.5	G	160	200	5500	8800	
60	1500	380~415	VHS200-3-4-060P1	1.15	82.1~76.7	525	212	95.0	H	150	200	5600	8960	
	1800	208~230/460	VHS200-3-4-060P2	1.15	148.4~136.7/68.4	430	177	95.0	G	150	200	5600	8960	
	1800	380~415	VHS200-3-4-060P3	1.15	81.3~75.2	476	177	95.0	G	150	200	5600	8960	



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额定功率 Rated Output (hp)	转速 RPM	额定电压 Voltage (V)	型号 Type	使用 系数 SF	额定电流 Full Load Current (A)	堵转电流 Locked Rotor Current (A)	堵转转矩 Locked Rotor Torque (Lb-ft)	效率 Efficiency (%)	堵转代码 Nema Code Letter	转矩倍数 Torque		轴向推力 Downdruth		防护等级 Degree of protection
										Locked Rotor	Break Down	Standard (Lb)	Extra (Lb)	
75	1500	380~415	VHS250-1-4-075P1	1.15	102.6~95.8	658	266	95.0	H	150	200	5600	8960	IP23
	1800	208~230/460	VHS250-1-4-075P2	1.15	187.5~172.5/86.3	541	222	95.0	G	150	200	5600	8960	
	1800	380~415	VHS250-1-4-075P3	1.15	101.9~94.4	599	222	95.0	G	150	200	5600	8960	
100	1500	380~415	VHS250-2-4-100P1	1.15	135.3~124.3	880	356	95.4	H	140	200	6700	10750	
	1800	208~230/460	VHS250-2-4-100P2	1.15	244.7~227.5/113.7	723	297	95.4	G	140	200	6700	10750	
	1800	380~415	VHS250-2-4-100P3	1.15	134.3~123.9	801	297	95.4	G	140	200	6700	10750	
125	1500	380~415	VHS250-3-4-125P1	1.15	169.5~154.2	1102	443	95.4	H	140	200	6700	10750	
	1800	208~230/460	VHS250-3-4-125P2	1.15	305.9~279.5/139.7	905	370	95.4	G	140	200	6700	10750	
	1800	380~415	VHS250-3-4-125P3	1.15	167.4~154.5	1003	370	95.4	G	140	200	6700	10750	
150	1500	380~415	VHS280-1-4-150P1	1.15	200.1~184.0	1315	532	95.8	H	130	200	8000	12800	
	1800	208~230/460	VHS280-1-4-150P2	1.15	365.0~339.8/169.9	1083	443	95.8	G	130	200	8000	12800	
	1800	380~415	VHS280-1-4-150P3	1.15	199.6~184.5	1200	443	95.8	G	130	200	8000	12800	
200	1500	380~415	VHS280-3-4-200P1	1.15	269.5~249.1	1760	708	95.8	H	120	200	8000	12800	
	1800	208~230/460	VHS280-3-4-200P2	1.15	486.8~446.3/223.1	1448	590	95.8	G	120	200	8000	12800	
	1800	380~415	VHS280-3-4-200P3	1.15	268.0~245.9	1605	590	95.8	G	120	200	8000	12800	
250	1500	380~415	VHS280-4-4-250P1	1.15	336.9~318.6	2316	886	95.8	H	120	175	8000	12800	
	1800	208~230/460	VHS280-4-4-250P2	1.15	609.2~555.3/277.7	1823	738	95.8	G	120	175	8000	12800	
	1800	380~415	VHS280-4-4-250P3	1.15	333.5~307.1	2020	738	95.8	G	120	175	8000	12800	
300	1500	380~415	VHS280-6-4-300P1	1.15	398.8~369.3	2766	1058	95.8	H	110	175	8000	12800	
	1800	416~460	VHS280-6-4-300P2	1.15	364.3~329.5	2198	882	95.8	G	110	175	8000	12800	
	1800	380~415	VHS280-6-4-300P3	1.15	398.8~365.2	2436	882	95.8	G	110	175	8000	12800	
300	1500	380~415	VHS315-3-4-300P1	1.15	396.6~363.1	2766	1058	95.8	H	110	175	8750	14000	
	1800	416~460	VHS315-3-4-300P2	1.15	362.3~327.6	2198	882	95.8	G	110	175	8750	14000	
	1800	380~415	VHS315-3-4-300P3	1.15	396.6~363.1	2436	882	95.8	G	110	175	8750	14000	
350	1500	380~415	VHS315-4-350P1	1.15	462.7~423.7	3241	1235	95.8	H	100	175	8750	14000	
	1800	416~460	VHS315-4-4-350P2	1.15	422.6~382.2	2549	1029	95.8	G	100	175	8750	14000	
	1800	380~415	VHS315-4-4-350P3	1.15	462.7~423.7	2825	1029	95.8	G	100	175	8750	14000	
400	1500	380~415	VHS355-1-4-400P1	1.15	528.8~484.2	3700	1411	95.8	H	100	175	8750	14000	
	1800	416~460	VHS355-1-4-400P2	1.15	483.0~436.8	2898	1176	95.8	G	100	175	8750	14000	
	1800	380~415	VHS355-1-4-400P3	1.15	528.8~484.2	3212	1176	95.8	G	100	175	8750	14000	
450	1500	380~415	VHS355-2-4-450P1	1.15	595.1~542.4	4143	1588	96.2	H	100	175	8750	14000	
	1800	416~460	VHS355-2-4-450P2	1.15	541.1~489.4	3249	1323	96.2	G	100	175	8750	14000	
	1800	380~415	VHS355-2-4-450P3	1.15	592.4~542.4	3601	1323	96.2	G	100	175	8750	14000	
500	1500	380~415	VHS355-3-4-500P1	1.15	661.9~606.1	4628	1765	96.2	H	100	175	8750	14000	
	1800	416~460	VHS355-3-4500P2	1.15	601.3~543.8	3623	1470	96.2	G	100	175	8750	14000	
	1800	380~415	VHS355-3-4-500P3	1.15	658.2~602.7	4015	1470	96.2	G	100	175	8750	14000	