

High Power Motor Parameters

	HPM-3000		HPM-5000				HPM-10K				HPM-20K		
Rated Power (W)	3000		5000				10000				20000		
Voltage (V)	48	72	48	72	96	120	48	72	96	120	72	96	120
Rated Current (A)	85	55	125	85	60	48	260	170	130	95		245	
Max Phase Current (A)	240	220	300	260	200	160	500	500	400	300		700	
Max Current Duration (s)	10	10	10	10	10	10	10	10	10	10		10	
Rated Speed (rpm)	4000	3800	4000	4000	4000	4000	4000	4000	4000	4000		3500	
Rated Torque (N.m)	8	8	13	13	16	16	26	26	26	26		55	
Peak Torque (N.m)	25	25	45	45	48	48	85	85	90	90		160	
Interphase Resistance (mΩ)	9.6	21	5.2	12.4	20	29.8	3.8	5.3	10.5	15.2		10.5	
Inductance (μH)	112	258	85	154	310	420	48	104	182	240		182	

	HPM-3000	HPM-5000	HPM-10K	HPM-20K
Hall Electrical Angle	120°	120°	120°	120°
Phase Angle Offset	-120	-120	-120	-120
Number of Pole-Pairs	5	4	4	4
Insulation Grade	H	H	H	H
Protection Levels	IP54	IP54	IP54	IP54
Cooling Type	Fan/Liquid	Fan/Liquid	Fan/Liquid	Liquid
Weight(kg)	7.6	11	17	39
Package Size(mm)	380×310×280	380×310×280	380×310×310	570×370×400