Changzhou Goldenmotor Technology Co.,Ltd

Customer:
ProductName HPM Motor
Motor Type: 48V10KW
Number:

Voltage: 48V
Power rated: 10KW
Tester: Liuzhipeng WangChao
Test Data: 2023.09.14

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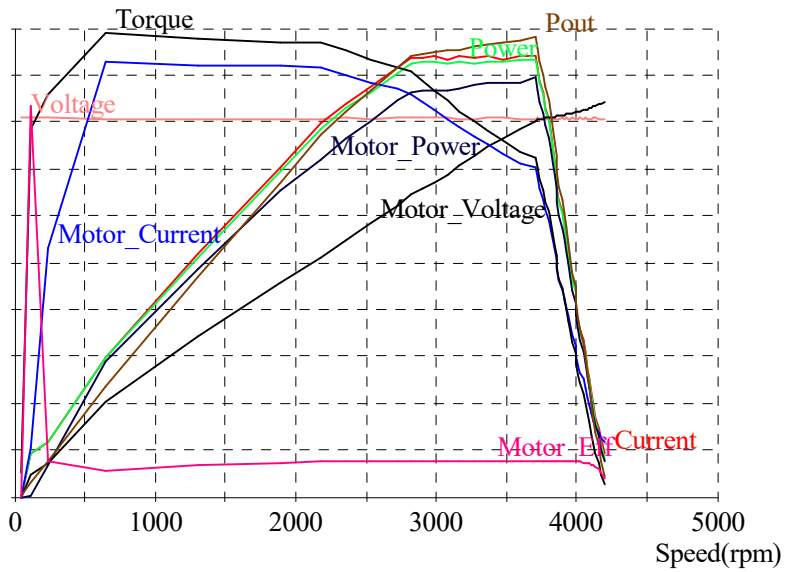
Voltage V	Current A	Power W	Motor_Voltage V	Motor_Current A	Motor_Power W	Torque N.m	Pout W	Motor_Eff %
60	250	12000	40	300	12000	35	10000	1200
54	225	10800	36	270	10800	31.5	9000	1080
48	200	9600	32	240	9600	28	8000	960
42	175	8400	28	210	8400	24.5	7000	840
36	150	7200	24	180	7200	21	6000	720
30	125	6000	20	150	6000	17.5	5000	600
24	100	4800	16	120	4800	14	4000	480
18	75	3600	12	90	3600	10.5	3000	360
12	50	2400	8	60	2400	7	2000	240
6	25	1200	4	30	1200	3.5	1000	120
0	0	0	0	0	0	0	0	0



State	输入电压	输入电流	输入功率	电机电压	电机电流	电机功率	电机功率因数	电机频率	转矩	转速	输出功率	控制器效率	电机效率	总效率	时间
	V	A	W	V	A	W		Hz	N.m	rpm	W	%	%	%	S
No_Load	48.44	23.36	958.8	33.72	35.30	910.3	0.445	281.11	0.99	4201.2	435.5	94.9	47.8	45.4	0.000
Rated															
Eff_max	48.47	98.12	4673	32.84	90.87	4659	0.913	266.80	9.96	3999.2	4170	99.7	89.5	89.2	25.16
Pout_max	48.43	234.7	11210	32.13	210.5	10747	0.926	247.23	25.29	3710.6	9825	95.9	91.4	87.6	63.40
Torque_max	48.43	74.23	3562	8.051	278.1	3473	0.899	45.71	34.71	653.8	2376	97.5	68.4	66.7	95.60
End	48.50	0.000	0.000	0.000	0.000	0.000	0.000	0.00	1.81	43.8	8.300	0.0	0.0	0.0	101.6