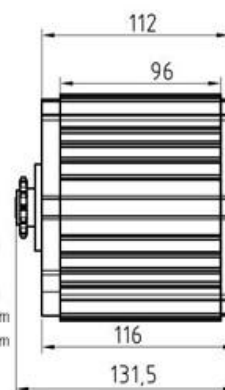
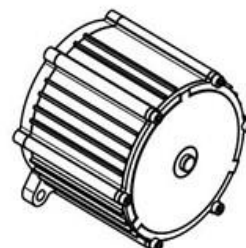
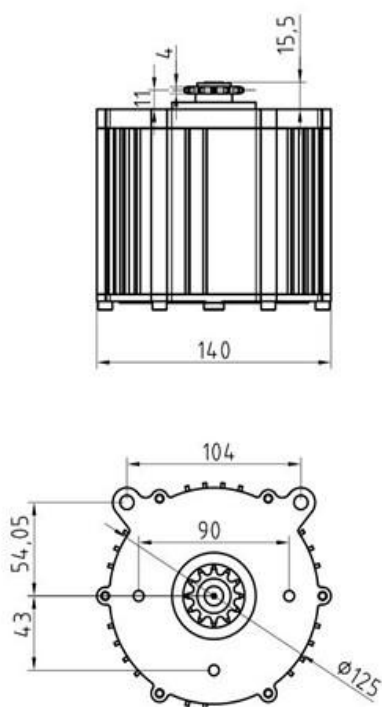


SL120-12-80 BLDC MOTOR

Hunan SENLI Co. produces SL120 series BLDC motor ,The series motors are with Stator diameter 120mm , 12 slots ,Length 40mm 50mm 60mm 80mm 100mm , Lamination sheet material is 35WW270 , Thickness 0.35mm , has very good properties . Rotor with N40SH Magnet (Ni-Cu-Ni Coating) have good high temp properties , It is water –proof , less weight , small diameter , high output power , SL120-12 series motor can be used in Electric Bike , E-Down Hill Bike , E-Mountain Bike , Electric motorcycle and E-trike, E trator , E lifter .



60V 10NM RatedPower3KW,3500RPM



SL120-50	Barrel 80mm length 100mm
SL120-50	Barrel 86mm Length116mm
SL120-60	Barrel 96mm Length 126mm
SL120-80	Barrel 116mm Length 146mm
SL120-100	Barrel 136mm Length 166mm

Outside Shaft D14 X12mm keyslot 4mmX4mm

Barrel Color: BLUE , Aluminium , Black

Hunan Senli Magnet & Electric Technology Co.

Add: LuGu Enterprise Compass , Yuelu District , Changsha , Hunan ,China

Tel:0086 731 22865811 Fax: 0731 22868622 www.senlimagnet.com

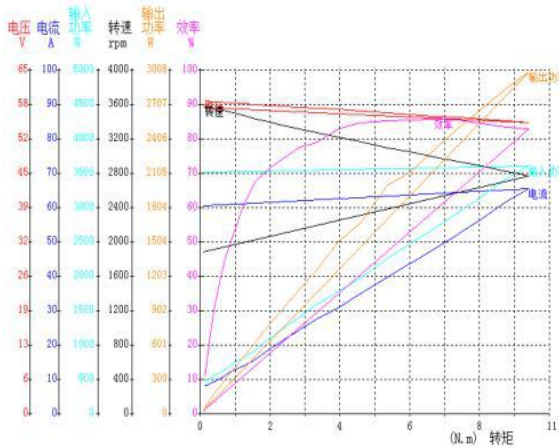
湖南森力磁电科技有限

电机测试报告

客户名称: 湖南森力磁电科技有限公司
电机型号: SL120-12-80
电机编号: 0001

额定电压 (V): 72V
额定电流 (A): 35
额定转速 (rpm): 3000

额定功率 (kW): 2.0
额定频率 (Hz): 300
额定转向: S



编号 (No.)	电压 (V)	电流 (A)	输入功率 (W)	功因 (P.F)	转速 (rpm)	转矩 (N.m)	输出功率 (W)	效率 (%)	时间 (s)
1	59.16	8.115	480.1	*	3571	0.16	62.36	13.0	1
2	59.18	7.811	462.3	*	3579	0.13	50.42	10.9	4
3	59.18	7.817	462.6	*	3579	0.15	56.95	12.3	8
4	59.16	8.123	480.6	*	3575	0.22	84.96	17.7	11
5	59.12	8.582	507.4	*	3569	0.33	124.5	24.5	14
6	59.09	9.161	541.3	*	3562	0.45	170.7	31.5	17
7	59.04	9.932	586.4	*	3550	0.62	232.8	39.7	20
8	58.94	11.02	650	*	3531	0.8	296.5	45.6	23
9	58.85	12.3	724.2	*	3509	1.02	376.9	52.0	26
10	58.75	13.66	802.8	*	3478	1.34	488.3	60.8	29
11	58.61	15.61	915.1	*	3435	1.72	618.9	67.6	32
12	58.44	18.41	1076	*	3399	2.15	765.7	71.2	35
13	58.27	21.03	1225	*	3358	2.58	910.5	74.3	38
14	58.06	24.16	1402	*	3316	3.13	1086	77.5	41
15	57.84	27.43	1587	*	3270	3.66	1254	79.0	44
16	57.59	30.67	1766	*	3221	4.34	1500	82.9	47
17	57.29	34.77	1968	*	3169	5.03	1669	84.8	50
18	56.96	39.51	2251	*	3099	5.9	2000	85.2	54
19	56.66	43.51	2465	*	3050	6.6	2110	85.6	57
20	56.38	47.69	2689	*	2992	7.37	2310	85.9	60
21	56.06	52.17	2925	*	2932	8.14	2501	85.5	63
22	55.77	56.75	3164	*	2879	8.87	2675	84.5	66
23	55.43	61.69	3419	*	2820	9.66	2853	83.4	69
24	55.15	65.44	3610	*	2763	10.36	2998	83.0	72
25	58.1	60.41	3510	*	1883	0.07	15.17	0.4	75

	电压 (V)	电流 (A)	输入功率 (W)	功因 (P.F)	转速 (rpm)	转矩 (N.m)	输出功率 (W)	效率 (%)	时间 (s)
空载点	59.16	8.115	480.1	*	3571	0.16	62.36	13.0	1
测试结束点	58.1	60.41	3510	*	1883	0.07	15.17	0.4	75
额定点	56.96	39.51	2251	*	3099	5.9	2000	85.2	54
最大转矩点	55.15	65.44	3610	*	2763	10.36	2998	83.0	72
最大输出点	55.15	65.44	3610	*	2763	10.36	2998	83.0	72
最高效率点	56.38	47.69	2689	*	2992	7.37	2310	85.9	60

设备量程: 100 (N.m)

测功机制造: 杭州威衡科技有限公司

测试人员: ERIC

测试日期: 2018/8/13