

佛山市盈富达电机有限公司

样品确认书

SPECIFICATION FOR APPROVAL

电机型号:D4235D24-R0517

编号:2505181

MODEL:

客户料号:

CUSTOMER NO.:

版本:A0

REV:

共: 5 页 (含本页)

客户承认栏 CUSTOMER APPROVAL

确 认 APPROVED BY	审 核 CHECKED BY	制 作 PREPARED BY

日期: 2025. 5. 18

DATE:

FOSHAN SHUNDE YINGFUDA MICRO MOTOR CO., LTD

Product Specification

Version: A/0

Customer:	AGM	Model	D4235D24-R0517	Rated Voltage	24.0VDC
一、Electrical Characteristics (Current Unit:A .Speed Unit:RPM.)					
Items of Inspection	Electrical Characteristics Standards	AQL Level		Measurement & Tools	Remarks
No Load Current	≤0.55 A	II	0.65	DC Power Supply,Tachometer, Electric Motor Performance Analysier	— —
No Load Speed	3060-3740rpm	II	0.65		Motor operate smoothly
No Load Power		II	0.65		
Reduced Voltage Starting		II	0.65		
HI-POT Test	200VAC/2mA/1Sec	S-4	0	Hi-pot tester	— —
Vibration	By Tactile feel	S-4	0.65	By Tactile feel	Tactile feel after motor operated 15s
Noise	≤50dB(A)	S-4	0.65	Decibel Meter	Microphone at 30 cm aligned on the motor
Direction of Rotation	CCW&CW	II	0	By View	CCW when viewed from output shaft side.
Rating Spark test	≤1.5 operated at no load	II	0.65	By View	— —
Rated load current		II	0.65		— —
Rated load speed		II	0.65		
Rated load power		II	0.65		
Remarks:					

2、Mechanical Characteristics(Unit: mm)

Items of Inspection	Mechanical Characteristics Standards	AQL LEVEL		Measurement & Tools	备注
Outline	Smooth without Scratches, deformations, Corrosion	S-4	0.65	By View	
Runout of Shaft Extension (mm)	37.6±0.5	S-4	0.65	Dial Gauge	
End Play(mm)	0.1	S-4	0.65	Dial Gauge	

3、Outline

Items of Inspection	Outline Standards	AQL LEVEL		Measurement & Tools
Shaft	Smooth without scratches, Corrosions	II	1.0	By View
Ball Bearing Housing	burst, rough edges in screw holes are defectives	II	1.0	By View
Laser Marks	Clear Texture	II	1.0	By View
Others	Rotor spin smooth without locked, motor is clean	II	1.0	By Tactile feel,View

4、Pacakage

Items of Inspection	Package standards	Measurement & Tools
Packing	Places motors to each container in total 12pcs a group,84 groups align gently on a card board	By View
Package	Marks Clear、Keep Clean	By View

试品名词: D4235

报告型号: D4235

环境温度: 34.6℃

报告编号: 20250517YFD0002

生产厂家: YFD

其他信息:

使用仪器: 磁滞测功机(1(N.m))

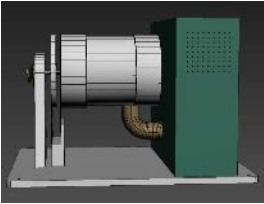
试验电压: 24V(---HZ)

样机编号: 100

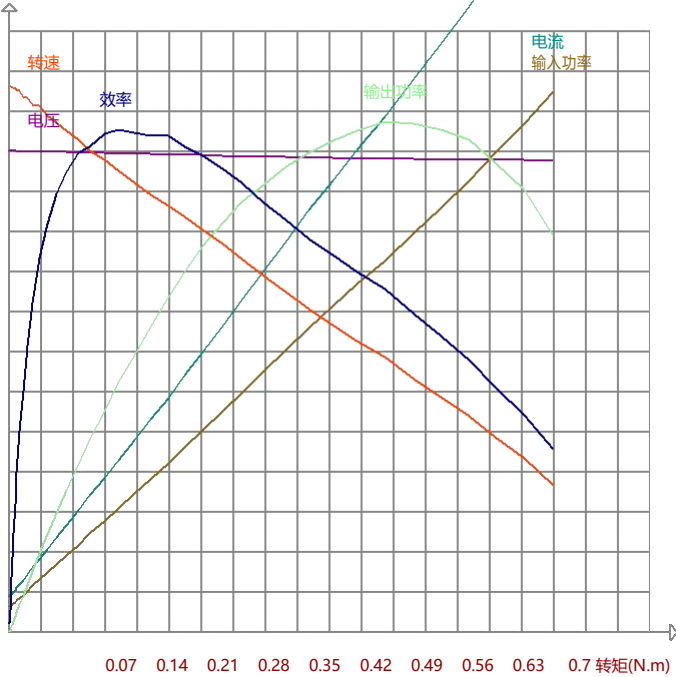
电机转向: CCW

测试人员: admin

审核人员:



电压 (V)	电流 (A)	功率(i) (W)	功率(o) (W)	转速 (r/min)	效率 (%)
30	8	270	90	3890	80
27	7.2	243	81	3501	72
24	6.4	216	72	3112	64
21	5.6	189	63	2723	56
18	4.8	162	54	2334	48
15	4	135	45	1945	40
12	3.2	108	36	1556	32
9	2.4	81	27	1167	24
6	1.6	54	18	778	16
3	0.8	27	9	389	8
0	0	0	0	0	0



number	直流电压(V)	直流电流(A)	直流输入功率(W)	电机输出功率(W)	转速(r/min)	转矩(N.m)	效率(%)
1	24.06	0.496	11.93	0.12	3537.7	0.0003	1
2	24.05	0.494	11.87	0.16	3537.7	0.0004	1.34
3	24.05	0.493	11.84	0.16	3537.7	0.0004	1.35
4	24.06	0.49	11.77	0.15	3537.6	0.0004	1.27
5	24.06	0.487	11.69	0.14	3538	0.0003	1.19
6	24.06	0.488	11.73	0.23	3538	0.0006	1.96
7	24.05	0.493	11.84	0.35	3537.6	0.0009	2.95
8	24.05	0.496	11.93	0.5	3536.9	0.0013	4.19
9	24.05	0.502	12.07	0.66	3536	0.0017	5.46
10	24.05	0.511	12.3	0.91	3533.9	0.0024	7.39
11	24.05	0.524	12.6	1.26	3531.3	0.0034	10
12	24.04	0.542	13.06	1.73	3527.8	0.0047	13.24
13	24.04	0.566	13.65	2.33	3523	0.0063	17.06
14	24.04	0.597	14.42	3.08	3516.7	0.0082	21.35
15	24.03	0.639	15.46	4.15	3508.4	0.0113	26.84
16	24.02	0.698	16.9	5.43	3467.4	0.0149	32.13
17	24.01	0.773	18.76	7.17	3463	0.0197	38.21
18	24.02	0.864	20.96	9.21	3417.6	0.0257	43.94
19	24.03	0.976	23.7	11.83	3412.2	0.0325	49.91
20	24.02	1.108	26.93	14.66	3348.9	0.0418	54.43
21	24.02	1.262	30.66	17.91	3301.1	0.0518	58.41
22	24.01	1.433	34.85	21.41	3250.9	0.0629	61.43
23	23.98	1.623	39.46	25.21	3194.7	0.0753	63.88
24	23.97	1.829	44.51	28.81	3122	0.0881	64.72
25	23.96	2.055	50.03	33.23	3059.9	0.1037	66.42

特征点	直流电压(V)	直流电流(A)	直流输入功率(W)	电机输出功率(W)	转速(r/min)	转矩(N.m)	效率(%)
空载点	24.06	0.496	11.93	0.12	3537.7	0.0003	1
最大效率点	23.93	2.3	56	37.48	2989.9	0.1197	66.92
最大功率点	23.66	6.871	167.24	76.56	1781.7	0.4103	45.77
最大转矩点	23.55	9.997	243.34	59.44	955.4	0.5941	24.42
结束点	23.55	9.997	243.34	59.44	955.4	0.5941	24.42

试品名词: D4235

生产厂家: YFD

样机编号: 100

报告型号: D4235

其他信息:

电机转向: CCW

环境温度: 34.6℃

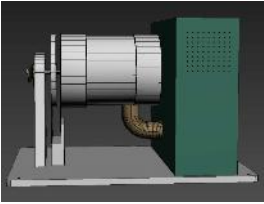
使用仪器: 磁滞测功机(1(N.m))

测试人员: admin

报告编号: 20250517YFD0002

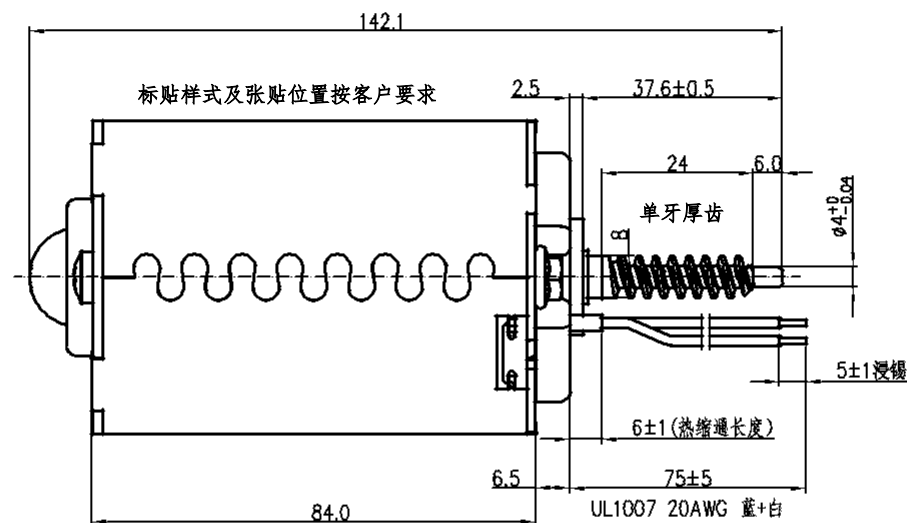
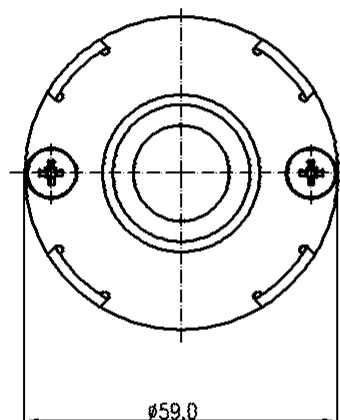
试验电压: 24V(---HZ)

审核人员:



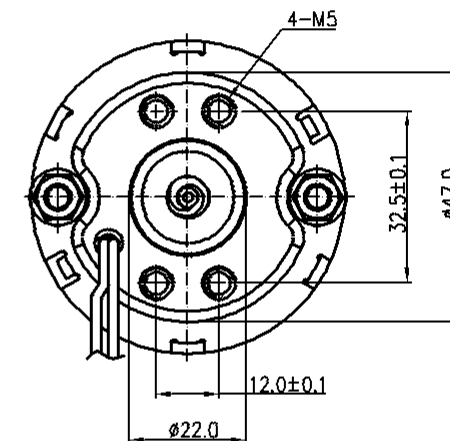
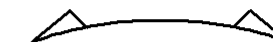
number	直流电压(V)	直流电流(A)	直流输入功率(W)	电机输出功率(W)	转速(r/min)	转矩(N.m)	效率(%)
26	23.93	2.3	56	37.48	2989.9	0.1197	66.92
27	23.92	2.569	62.52	41.67	2914	0.1365	66.65
28	23.9	2.84	69.15	45.79	2836.1	0.1541	66.21
29	23.89	3.127	76.16	50.35	2763.9	0.1739	66.11
30	23.89	3.424	83.36	53.99	2689.9	0.1916	64.76
31	23.87	3.738	91.03	57.87	2609.9	0.2117	63.57
32	23.83	4.078	99.31	61.34	2516	0.2328	61.76
33	23.79	4.426	107.75	64.51	2419.6	0.2546	59.87
34	23.77	4.819	117.34	67.16	2305.9	0.2781	57.23
35	23.76	5.21	126.84	69.83	2205.9	0.3023	55.05
36	23.74	5.626	136.92	71.87	2096.1	0.3274	52.49
37	23.71	6.023	146.65	73.77	1992	0.3536	50.3
38	23.67	6.436	156.65	75.22	1889.9	0.38	48.01
39	23.66	6.871	167.24	76.56	1781.7	0.4103	45.77
40	23.65	7.38	179.69	76.23	1645.7	0.4423	42.42
41	23.63	7.846	190.94	75.36	1524	0.4722	39.46
42	23.61	8.344	203.12	73.85	1403.2	0.5026	36.35
43	23.61	8.863	215.73	70.43	1265.8	0.5313	32.64
44	23.6	9.4	228.85	66.3	1125.6	0.5624	28.97
45	23.55	9.997	243.34	59.44	955.4	0.5941	24.42

ISSUE NO :

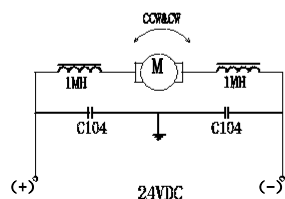


DIRECTION OF ROTATION

CCW&CW



CIRCUIT DIAGRAM



技术要求

1. 额定电压: 24VDC(端电压)
2. 转向: 蓝“+”白“-”轴伸端 CCW
3. 空载性能:
 电流: 0.55A MAX 转速: 3400RPM±10%
4. 电机外观良好, 无裂纹, 锈蚀, 碰伤, 污迹等不良
5. 耐压: 200VAC/2mA/1S
6. 出线方向朝机壳铆合面
7. 机壳及端盖镀白锌。

					CONFIRMED & ACCEPTED BY CUSTOMER	TITLE: MOTOR OUTLINE	DES'D	YWjiang18/5-25			
					Company, Chop & Signature		CHK'D				
							APP'D				
							PART NO: D4235D24-R0517	SCALE	1:1	REV	A0
ITME	WAS	DATE	DES'D	APP'D	DATE:	YingFuDa Micro Motor					