

SHENZHEN ODIN IMPORT AND EXPORT CO., LTD

Production confirmation sheet

Part name: FAN-16" Motor

Part No: OD-7516M22 (New energy standard)

Part Code:

Document No: OD-2017-11-06-03

Version: A

Date: Nov. 06 2017

Customer Approval Signature

Listed By: GYZ Checked By: Alen Approved By: Edward 2017-11-06

SHENZHEN ODIN IMPORT AND EXPORT CO., LTD

Outgoing Inspection Specification

Motor Mode:OD-7516M22

(New energy standard)

Number Code:7516M22

(New energy standard)

ITEM	DESCRIPTION	STANDARD		MEASURING EQUIPMENT	AQL
1	Testing Voltage	220V/50Hz		Voltmeter	AQL1.0
2	Stator Lamination Stack Height	16(+0.3, -0.2) mm		Cauper	AQL4.0
3	Distance Between End of Brackets	79±1 mm		Cauper	AQL4.0
4	Shaft Extension Length	67(+1.5/-1.0) mm		Cauper	AQL4.0
5	End Play	1mm MAX		Cauper	AQL4.0
6	Direction Of Ratation	△	C. W	View	AQL4.0
7	Fuse	△	AUPO P4-2A 130℃/2A/250V	View	AQL1.0
8	Load Fan	16"		View	AQL4.0
9	Hi-Pot Test	AC 1500V/10mA/1sec		Hi-pot Tester	AQL1.0
10	Strength Of Gear Box (牙箱L杆扭力)	5KG-8KG		Torsional Dynamometer	AQL4.0
11	Vibration	11.2 mm/s		Vibration Tester	AQL4.0
12	Noise Level	≤60dB(A) at 1m working in unit		Noise Meter	AQL4.0
13	Lead Wire	△	VW-1 105° 600V E120268 580/1060/1380±20	Ruler	AQL4.0
14	On Load Performance	H-Speed (RPM)	1200±10%	Stroboscope	AQL4.0
		H-Power (W)	45±10%	Wattmeter	AQL4.0
		M-Speed (RPM)	1050±10%	Stroboscope	AQL4.0
		M-Power (W)	42±10%	Wattmeter	AQL4.0
		L-Speed (RPM)	900±10%	Stroboscope	AQL4.0
		L-Power (W)	40±10%	Wattmeter	AQL4.0

Remark: The Item Noted With "△" Is Special And Important

Outline Drawing: OD-7516M22(New energy standard)

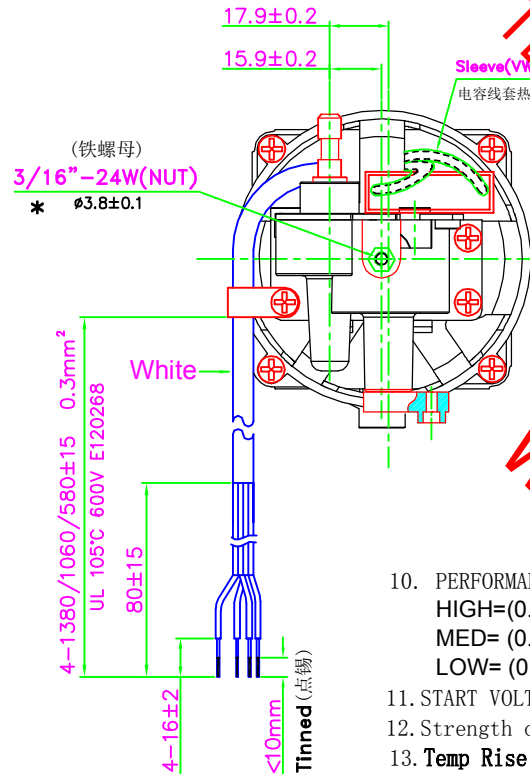
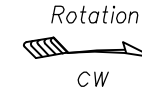
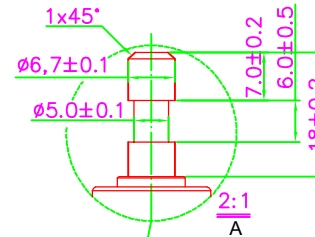
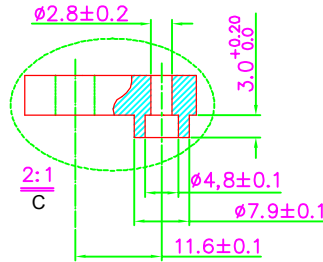
Issued By:GYZ 2017-11-06

Checked By:Allen Lee

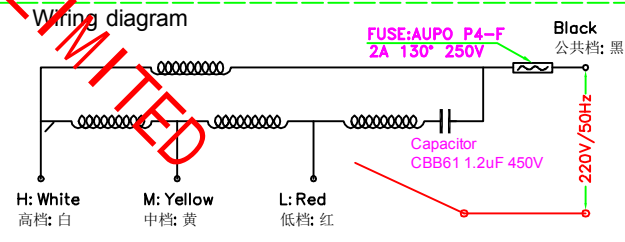
ApprovedBy:Adward2017-11-06

Rohs Compliance

电容印字图案:



10. PERFORMANCE (ON LOAD) (16"new energy fan blade):
HIGH=(0.20A 45W 1200RPM)±10% 445Ω±10%
MED=(0.19A 42W 1050RPM)±10% 535Ω±10%
LOW=(0.18A 40W 900RPM)±10% 585Ω±10%
11. START VOLTAGE(With Fan Blade)(带风叶低压起动): ≤132V;
12. Strength of gear box(牙箱L杆扭力): 5KG~8KG;
13. Temp Rise ≤75K ;



GENERAL TOLERANCES ISO 2768-m									
Permissible deviations for linear dimensions									
Permissible deviations for basic size range									
>0.8	>3	>6	>30	>100	>1000	>10000	>100000	>1000000	>10000000
±0.3	±0.5	±0.7	±1.0	±1.5	±2.0	±3.0	±4.0	±5.0	±6.0
Permissible deviations for angular dimensions									
Permissible deviations for basic size range									
>10	>30	>60	>120	>250	>500	>1000	>2000	>4000	>8000
±1.0	±1.5	±2.0	±2.5	±3.0	±4.0	±5.0	±6.0	±7.0	±8.0

- REMARK:
- KIND OF MOTOR:SINGLE-PHASE ASYNCHRONOUS MOTOR WITH PERMANENT(4POLES);
 - DIRECTION OF ROTATION:CLOCK WISE (FROM SHAFT END);
 - SOURCE:SINGLE PHASE 220V/50Hz;
 - FUSE:AUPO 130° C/2A/250V;
 - CAPACITOR:1.2uF±5% /450V;
 - STATOR:75* 44.5*16mm, ROTOR:16mm;
 - LEADER WIRE:UL 1015 22AWG 105°C *580/1060/1380mm;
 - PARAMETER:MAIN COIL: Ø0.15*810T, AUX. COIL: Ø0.13*(595T+180T+130T);
 - CLASS OF INSULATION:CLASS B;

DESIGNED BY: GYZ	CHECKED BY:	APPROVED BY: ADWARD
Date(yymmdd): 2017-11-06	Date(yymmdd):	Date(yymmdd): 2017-11-06
MATERIAL:	SCALE 3:1	
FINISH:	NOT SCALE	
General Tolerance ISO 2768-1 Class m (Unless specified)		TITLE
ALL DIMENSIONS ARE IN MILLIMETRES		OD-7516M22(New energy standard)
SHENZHEN ODIN IMPORT AND EXPORT CO.,LTD		DWG NO.
		7516M22(New energy standard)
		SHEET 1 OF 1

16" fan motor new energy standard torque curve

OD7516M22-Low speed

客户名称(Customer):

额定电压(Voltage):

220V

产品名称(ProductName):

额定功率(Power rated):

电机型号(Type):

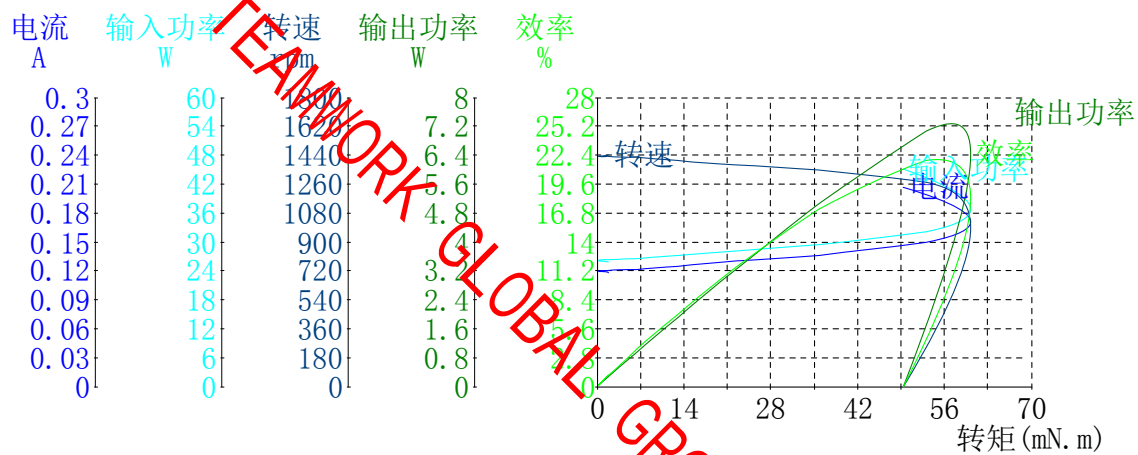
测试人员(Tester):

电机编号(Number):

201707210008

测试日期(Test Date):

2017.07.21



特征点	电压	电流	输入功率	转矩	转速	输出功率	效率	功率因数	频率	时间
	V	A	W	mN.m	rpm	W	%		Hz	S
不加载点(No_Load)	220.4	0.118	25.79	1.9	1443.0	0.284	1.1	0.990	50.02	0.000
最高效率点(Eff_max)	220.4	0.158	33.88	60.0	1214.0	7.631	22.5	0.974	50.02	89.00
最大输出功率点(Pout_max)	220.4	0.158	33.88	60.0	1214.0	7.631	22.5	0.974	50.02	89.00
最大转矩点(Torque_max)	220.4	0.174	37.40	66.5	1085.0	7.557	20.2	0.977	50.02	93.00
结束点(End)	220.4	0.207	45.12	49.4	0	0	0	0.989	50.02	97.00

16” fan motor new energy standard torque curve

OD7516M22-Low speed

客户名称(Customer):

额定电压(Voltage):

220V

产品名称(ProductName):

额定功率(Power rated):

电机型号(Type):

测试人员(Tester):

电机编号(Number): 201707210008

测试日期(Test Date): 2017.07.21

序号	电压	电流	输入功率	转矩	转速	输出功率	效率	功率因数	频率	时间
	V	A	W	mN.m	rpm	W	%		Hz	S
1	220.4	0.118	25.79	1.9	1443.0	0.284	1.1	0.990	50.02	0.000
2	220.4	0.119	25.92	1.9	1441.0	0.284	1.1	0.991	50.02	5.000
3	220.4	0.119	26.11	0.8	1437.0	0.126	0.5	0.993	50.02	9.000
4	220.4	0.119	26.16	0.3	1436.0	0.048	0.2	0.994	50.02	13.00
5	220.4	0.120	26.31	0.1	1433.0	0.012	0.0	0.992	50.02	17.00
6	220.4	0.120	26.39	0.8	1430.0	0.120	0.5	0.995	50.02	21.00
7	220.4	0.120	26.28	1.7	1432.0	0.258	1.0	0.991	50.02	25.00
8	220.4	0.121	26.34	3.0	1430.0	0.449	1.7	0.991	50.02	29.00
9	220.4	0.121	26.44	4.4	1427.0	0.663	2.5	0.992	50.02	33.00
10	220.4	0.122	26.58	6.4	1424.0	0.948	3.6	0.991	50.02	37.00
11	220.4	0.123	26.78	8.3	1419.0	1.230	4.6	0.990	50.02	41.00
12	220.4	0.124	26.99	10.3	1412.0	1.516	5.7	0.990	50.02	45.00
13	220.4	0.125	27.17	12.9	1407.0	1.903	7.0	0.988	50.02	49.00
14	220.4	0.127	27.48	15.9	1397.0	2.329	8.5	0.986	50.02	53.00
15	220.4	0.128	27.87	19.1	1388.0	2.779	10.0	0.986	50.02	57.00
16	220.4	0.130	28.18	22.4	1382.0	3.241	11.5	0.982	50.02	61.00
17	220.4	0.132	28.60	26.4	1371.0	3.790	13.3	0.984	50.02	65.00
18	220.4	0.134	28.93	30.8	1362.0	4.392	15.2	0.983	50.02	69.00
19	220.4	0.136	29.38	35.8	1349.0	5.051	17.2	0.981	50.02	73.00
20	220.4	0.140	30.16	41.0	1328.0	5.695	18.9	0.980	50.02	77.00
21	220.4	0.144	31.03	46.7	1303.0	6.374	20.5	0.977	50.02	81.00
22	220.4	0.150	32.18	53.1	1270.0	7.058	21.9	0.976	50.02	85.00
23	220.4	0.158	33.88	60.0	1214.0	7.631	22.5	0.974	50.02	89.00
24	220.4	0.174	37.40	66.5	1085.0	7.557	20.2	0.977	50.02	93.00
25	220.4	0.207	45.12	49.4	0	0	0	0.989	50.02	97.00

16" fan motor new energy standard torque curve

OD7516M22-Medium speed

客户名称(Customer):

额定电压(Voltage):

220V

产品名称(ProductName):

额定功率(Power rated):

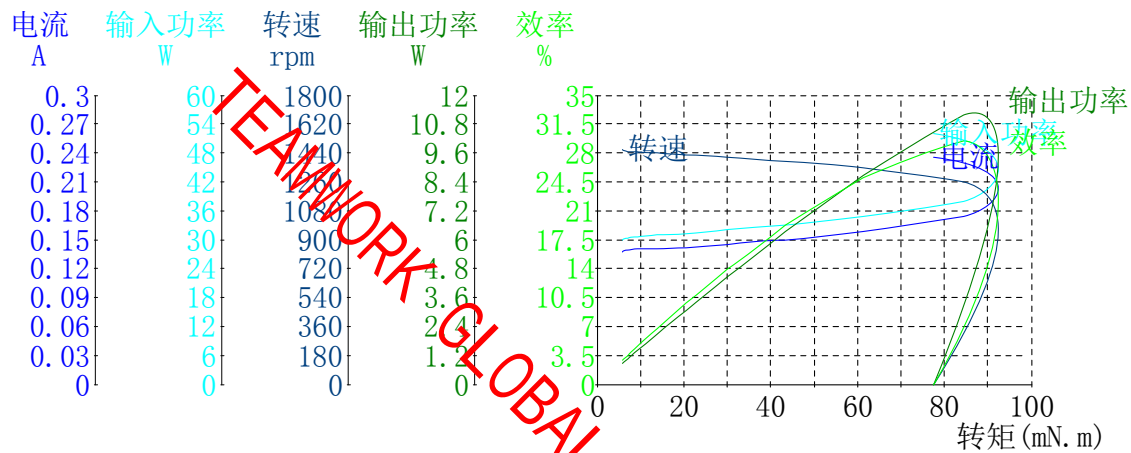
电机型号(Type):

测试人员(Tester):

电机编号(Number): 201707210007

测试日期(Test Date):

2017.07.21



特征点	电压	电流	输入功率	转矩	转速	输出功率	效率	功率因数	频率	时间
	V	A	W	mN.m	rpm	W	%		Hz	S
不加载点(No_Load)	220.3	0.137	29.94	5.8	1464.0	0.889	3.0	0.990	50.02	0.000
最高效率点(Eff_max)	220.3	0.174	37.99	84.5	1262.0	11.16	29.4	0.991	50.02	97.00
最大输出功率点(Pout_max)	220.3	0.184	40.17	93.4	1201.0	11.74	29.2	0.991	50.02	101.0
最大转矩点(Torque_max)	220.3	0.223	49.03	99.2	916.0	9.510	19.4	1.000	50.02	105.0
结束点(End)	220.3	0.236	52.09	77.5	0	0	0	0.998	50.02	109.0

16” fan motor new energy standard torque curve

OD7516M22-Medium speed

客户名称(Customer):

额定电压(Voltage):

220V

产品名称(ProductName):

额定功率(Power rated):

电机型号(Type):

测试人员(Tester):

电机编号(Number): 201707210007

测试日期(Test Date): 2017.07.21

序号	电压	电流	输入功率	转矩	转速	输出功率	效率	功率因数	频率	时间
	V	A	W	mN.m	rpm	W	%		Hz	S
1	220.3	0.137	29.94	5.8	1464.0	0.889	3.0	0.990	50.02	0.000
2	220.4	0.138	30.15	5.8	1455.0	0.877	2.9	0.988	50.02	5.000
3	220.4	0.139	30.35	6.4	1453.0	0.974	3.2	0.992	50.02	9.000
4	220.4	0.139	30.48	7.0	1449.0	1.062	3.5	0.991	50.02	13.00
5	220.3	0.139	30.50	7.6	1450.0	1.148	3.8	0.994	50.02	17.00
6	220.4	0.140	30.61	8.3	1448.0	1.255	4.1	0.994	50.02	21.00
7	220.4	0.140	30.64	9.6	1447.0	1.412	4.6	0.994	50.02	25.00
8	220.4	0.140	30.71	10.4	1444.0	1.566	5.1	0.993	50.02	29.00
9	220.3	0.140	30.74	12.0	1442.0	1.812	5.9	0.994	50.02	33.00
10	220.4	0.141	31.08	13.9	1441.0	2.094	6.7	0.996	50.02	37.00
11	220.3	0.141	31.00	15.9	1437.0	2.389	7.7	0.995	50.02	41.00
12	220.3	0.142	31.09	18.0	1434.0	2.697	8.7	0.995	50.02	45.00
13	220.3	0.142	31.20	20.5	1430.0	3.066	9.8	0.994	50.02	49.00
14	220.3	0.143	31.55	23.6	1426.0	3.518	11.1	0.996	50.02	53.00
15	220.3	0.144	31.76	26.8	1421.0	3.981	12.5	0.996	50.02	57.00
16	220.3	0.145	32.03	30.0	1413.0	4.444	13.9	0.996	50.02	61.00
17	220.3	0.147	32.34	33.9	1406.0	4.993	15.4	0.998	50.02	65.00
18	220.3	0.149	32.74	38.4	1397.0	5.622	17.2	0.995	50.02	69.00
19	220.3	0.150	33.03	43.5	1390.0	6.328	19.2	0.996	50.02	73.00
20	220.3	0.152	33.49	48.9	1381.0	7.068	21.1	0.997	50.02	77.00
21	220.3	0.155	34.09	55.0	1366.0	7.866	23.1	0.996	50.02	81.00
22	220.3	0.158	34.72	61.4	1347.0	8.665	25.0	0.995	50.02	85.00
23	220.3	0.163	35.64	68.5	1322.0	9.479	26.6	0.994	50.02	89.00
24	220.3	0.168	36.65	76.3	1298.0	10.37	28.3	0.991	50.02	93.00
25	220.3	0.174	37.99	84.5	1262.0	11.16	29.4	0.991	50.02	97.00
26	220.3	0.184	40.17	93.4	1201.0	11.74	29.2	0.991	50.02	101.0
27	220.3	0.223	49.03	99.2	916.0	9.510	19.4	1.000	50.02	105.0
28	220.3	0.236	52.09	77.5	0	0	0	0.998	50.02	109.0

16" fan motor new energy standard torque curve

OD7516M22-High speed

客户名称(Customer):

额定电压(Voltage): 220V

产品名称(ProductName):

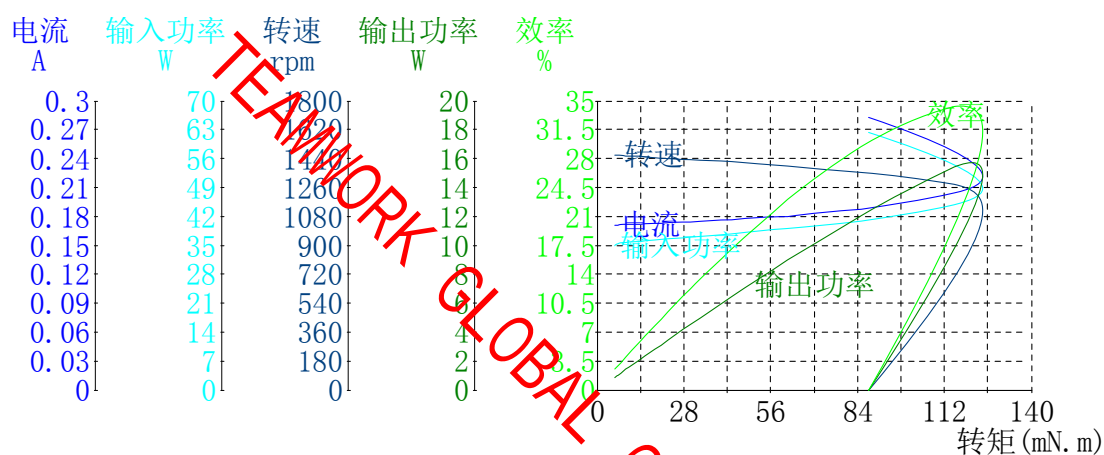
额定功率(Power rated):

电机型号(Type):

测试人员(Tester):

电机编号(Number): 201707210006

测试日期(Test Date): 2017.07.21



特征点	电压	电流	输入功率	转矩	转速	输出功率	效率	功率因数	频率	时间
	V	A	W	mN.m	rpm	W	%		Hz	S
不加载点(No_Load)	220.5	0.171	35.00	5.7	1460.0	0.868	2.5	0.929	50.02	0.000
最高效率点(Eff_max)	220.4	0.212	46.83	126.0	1234.0	16.28	34.8	0.997	50.02	113.0
最大输出功率点(Pout_max)	220.4	0.229	50.38	137.0	1136.0	16.30	32.4	0.998	50.02	117.0
最大转矩点(Torque_max)	220.4	0.229	50.38	137.0	1136.0	16.30	32.4	0.998	50.02	117.0
结束点(End)	220.4	0.283	62.27	87.6	0	0	0	0.996	50.02	121.0

Rohs Compliance

REV	DESCRIPTION	DATE	BY
-----	-------------	------	----

52CM		26CM	
18.5CM			
FEDERAL BANGKOK Model:OD-7516M22-A P/O.No.7000016683 PART CODE:5000000003841 C/ NO. XXX /XXX MADE IN CHINA		G.W.: 21.0 KGS N.W.: 20.0 KGS CTN.:52.0X26.0X18.5CM	FEDERAL BANGKOK Model:OD-7516M22-A P/O.No.7000016683 PART CODE:5000000003841 C/ NO. XXX /XXX MADE IN CHINA
		Quantity: 20 PCS 	

Carton size:52.0*26.0*18.5cm

235.2	
52.0	1
26.0	2
	3
	4
	5
	6
	7
	8
	9
	10
	11
18.4	



Net weight:
1005±20g



1 layer /10 pcs;
2 layers /1 ctn;
20 pcs /1 ctn;
G.W:21kg /1 ctn

1 layer : 9X11=99ctn
99ctn X 9 layer=891ctn
891ctn X 20pcs/ctn=17820pcs
20' fcl container/891ctn;
1X20FCL:17820PCS

GENERAL TOLERANCES ISO 2768-m									
Permissible deviations for linear dimensions									
Permissible deviations for basic size range									
>0.5	>3	>6	>30	>120	>400	>1000	>2000	>4000	>20000
...3	...6	...30	...120	...400	...1000	...2000	...4000	...10000	...20000
m	±0.1	±0.1	±0.2	±0.3	±0.5	±0.8	±1.2	±2	±3
Permissible deviations for angular dimensions					Permissible deviations for broken edges (external radii, chamfer heights)				
Permissible deviations for ranges of lengths in millimeters of the shorter side of the angle concerned					Permissible deviations for basic size range				
...10	...10	...50	...120	...400	>0.5	>3	...6	...10	...20
m	±1'	±30'	±60'	±120'	±0.2	±0.5	±1	±1.5	±2.5

DWG. BY:GYZ	CHK. BY:ALLEN LEE	APP. BY:ADWARD
Date(yy/mm/dd):2017-11-27	Date(yyyymmdd)	Date(yyyymmdd) 2017-11-27
MATERIAL:	A4 ☒ SCALE 3:1 ☐ NOT SCALE	
FINISH:		
General Tolerance ISO 2768-1 Class m (Unless specified)		TITLE
ALL DIMENSIONS ARE IN MILLIMETRES		OD-7516M22-A(New energy standard)
SHENZHEN ODIN IMPORT AND EXPORT CO.,LTD		DWG NO.
		SHEET 1 OF 1
		OD-7516M22-A(New energy standard)

Rohs Compliance

REV

DESCRIPTION

DATE

BY

52CM

26CM

18.5CM

FEDERAL BANGKOK
Model:OD-7516M22-B
P/O.No.7000016683
PART CODE:500000003842
C/ NO. XXX/XXX
MADE IN CHINA

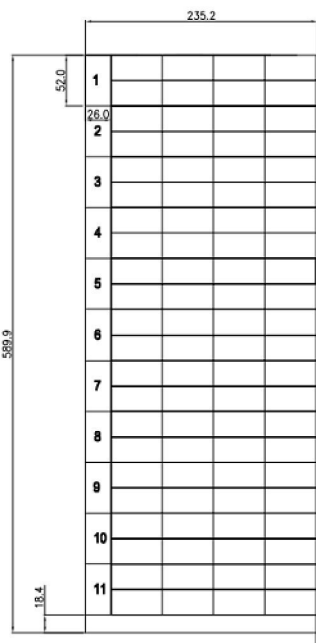
G.W.: 21.0 KGS
N.W.: 20.0 KGS
CTN.:52.0X26.0X18.5CM

FEDERAL BANGKOK
Model:OD-7516M22-B
P/O.No.7000016683
PART CODE:500000003842
C/ NO. XXX/XXX
MADE IN CHINA

Quantity: 20 PCS



Carton size:52.0*26.0*18.5cm



Net weight:
1005±20g



1 layer /10 pcs;
2 layers /1 ctn;
20 pcs /1 ctn;
G.W:21kg /1 ctn

1 layer : 9X11=99ctn
99ctn X 9 layer=891ctn
891ctn X 20pcs/ctn=17820pcs
20' fcl container/891ctn;
1X20FCL:17820PCS

GENERAL TOLERANCES ISO 2768-m									
Permissible deviations for linear dimensions									
Permissible deviations for basic size range									
<0.5	>0.5	>6	>30	>120	>400	>1000	>2000	>4000	>6000
±0.1	±0.1	±0.2	±0.3	±0.5	±0.8	±1.2	±2	±3	±5
Permissible deviations for angular dimensions									
Permissible deviations for broken edges (external radii, chamfer heights)									
Permissible deviations for ranges of lengths in millimeters of the shorter side of the angle concerned									
<10	>10	>50	>120	>400	>1000	>2000	>4000	>6000	>10000
±1°	±1°	±1°	±1°	±1°	±1°	±1°	±1°	±1°	±1°

DWG. BY:GYZ

CHK. BY:ALLEN LEE

APP. BY:ADWARD

Date(yy/mm/dd):2017-11-27

Date(yyyymmdd)

Date(yyyymmdd) 2017-11-27

MATERIAL:

FINISH:



A4

SCALE 3:1

NOT SCALE

General Tolerance ISO 2768-1 Class m (Unless specified)

TITLE

ALL DIMENSIONS ARE IN MILLIMETRES

OD-7516M22-B(New energy standard)



SHENZHEN ODIN IMPORT AND EXPORT CO.,LTD

DWG NO.

SHEET 1 OF 1

OD-7516M22-B(New energy standard)

Rohs Compliance

REV	DESCRIPTION	DATE	BY
-----	-------------	------	----

52CM		26CM	
18.5CM			
FEDERAL BANGKOK Model:OD-7516M22-C P/O.No.7000016683 PART CODE:5000000003843 C/ NO. XXX /XXX MADE IN CHINA		G.W.: 21.0 KGS N.W.: 20.0 KGS CTN.:52.0X26.0X18.5CM	FEDERAL BANGKOK Model:OD-7516M22-C P/O.No.7000016683 PART CODE:5000000003843 C/ NO. XXX /XXX MADE IN CHINA
		Quantity: 20 PCS 	

Carton size:52.0*26.0*18.5cm

235.2	
52.0	1
26.0	2
	3
	4
	5
	6
	7
	8
	9
	10
	11
18.4	



Net weight:
1005±20g



1 layer /10 pcs;
2 layers /1 ctn;
20 pcs /1 ctn;
G.W:21kg /1 ctn

1 layer : 9X11=99ctn
99ctn X 9 layer=891ctn
891ctn X 20pcs/ctn=17820pcs
20' fcl container/891ctn;
1X20FCL:17820PCS

GENERAL TOLERANCES ISO 2768-m	
Permissible deviations for linear dimensions	
Permissible deviations for basic size range	
>0.5 ...3	>3 ...6
>6 ...120	>120 ...400
>400 ...1000	>1000 ...2000
>2000 ...4000	>4000 ...6000
m ±0.1	±0.2
±0.3	±0.5
±0.8	±1.2
±2	±3
Permissible deviations for angular dimensions	
Permissible deviations for broken edges (external radii, chamfer heights)	
Permissible deviations for ranges of lengths in millimeters of the shorter side of the angle concerned	
...10 ...50	>10 ...50
>50 ...100	>100 ...200
>200 ...400	>400 ...600
>600 ...1000	>1000 ...1500
>1500 ...2500	>2500 ...4000
m ±1°	±2°
±3°	±5°
±10°	±15°

DWG. BY:GYZ	CHK. BY:ALLEN LEE	APP. BY:ADWARD
Date(yy/mm/dd):2017-11-27	Date(yyyymmdd)	Date(yyyymmdd) 2017-11-27
MATERIAL:		 A4 ☒ SCALE 3:1 ☐ NOT SCALE
FINISH:		
General Tolerance ISO 2768-1 Class m (Unless specified)		TITLE
ALL DIMENSIONS ARE IN MILLIMETRES		OD-7516M22-C(New energy standard)
 SHENZHEN ODIN IMPORT AND EXPORT CO.,LTD		DWG NO.
		SHEET 1 OF 1
		OD-7516M22-C(New energy standard)

16” fan motor new energy standard torque curve

OD7516M22-High speed

客户名称(Customer):

额定电压(Voltage):

220V

产品名称(ProductName):

额定功率(Power rated):

电机型号(Type):

测试人员(Tester):

电机编号(Number): 201707210006

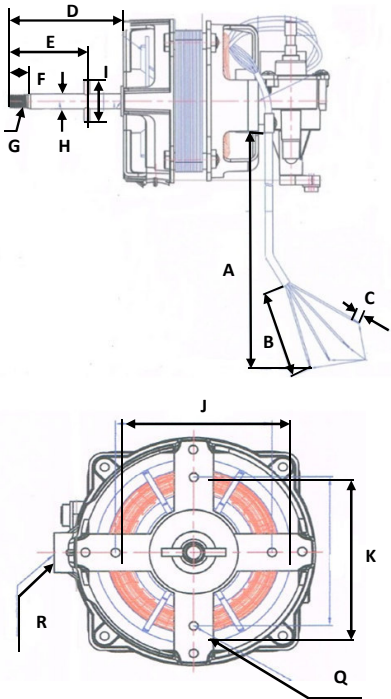
测试日期(Test Date): 2017.07.21

序号	电压	电流	输入功率	转矩	转速	输出功率	效率	功率因数	频率	时间
	V	A	W	mN.m	rpm	W	%		Hz	S
1	220.5	0.171	35.00	5.7	1460.0	0.868	2.5	0.929	50.02	0.000
2	220.4	0.171	35.25	5.7	1460.0	0.868	2.5	0.935	50.02	5.000
3	220.4	0.171	35.43	6.4	1459.0	0.978	2.8	0.939	50.02	9.000
4	220.4	0.171	35.50	6.8	1460.0	1.033	2.9	0.940	50.02	13.00
5	220.4	0.172	35.58	7.3	1459.0	1.112	3.1	0.941	50.02	17.00
6	220.4	0.172	35.68	8.3	1458.0	1.264	3.5	0.942	50.02	21.00
7	220.4	0.172	35.73	9.4	1457.0	1.434	4.0	0.944	50.02	25.00
8	220.4	0.172	35.83	10.7	1454.0	1.626	4.5	0.945	50.02	29.00
9	220.4	0.172	35.93	12.1	1454.0	1.839	5.1	0.947	50.02	33.00
10	220.4	0.172	36.02	14.0	1451.0	2.127	5.9	0.948	50.02	37.00
11	220.3	0.173	36.14	15.9	1450.0	2.417	6.7	0.951	50.02	41.00
12	220.3	0.173	36.28	18.0	1447.0	2.727	7.5	0.953	50.02	45.00
13	220.3	0.173	36.40	20.6	1444.0	3.114	8.6	0.953	50.02	49.00
14	220.4	0.174	36.60	23.6	1440.0	3.582	9.7	0.955	50.02	53.00
15	220.4	0.174	36.76	26.8	1437.0	4.032	11.0	0.958	50.02	57.00
16	220.3	0.174	36.90	30.1	1434.0	4.516	12.2	0.961	50.02	61.00
17	220.3	0.175	37.10	34.3	1430.0	5.138	13.9	0.964	50.02	65.00
18	220.3	0.176	37.45	38.7	1425.0	5.771	15.4	0.968	50.02	69.00
19	220.4	0.176	37.77	43.5	1419.0	6.466	17.1	0.972	50.02	73.00
20	220.4	0.178	38.17	49.1	1411.0	7.251	19.0	0.975	50.02	77.00
21	220.3	0.180	38.74	55.0	1398.0	8.045	20.8	0.979	50.02	81.00
22	220.4	0.180	38.94	61.4	1396.0	8.980	23.1	0.981	50.02	85.00
23	220.3	0.183	39.48	68.4	1383.0	9.910	25.1	0.981	50.02	89.00
24	220.3	0.185	40.19	76.5	1370.0	10.97	27.3	0.987	50.02	93.00
25	220.4	0.188	40.94	85.1	1355.0	12.07	29.5	0.989	50.02	97.00
26	220.4	0.192	41.90	94.4	1337.0	13.21	31.5	0.992	50.02	101.0
27	220.4	0.197	43.05	104.3	1312.0	14.32	33.3	0.993	50.02	105.0
28	220.3	0.204	44.90	115.1	1280.0	15.42	34.3	0.996	50.02	109.0
29	220.4	0.212	46.83	126.0	1254.0	16.28	34.8	0.997	50.02	113.0
30	220.4	0.229	50.38	137.0	1136.0	15.30	32.4	0.998	50.02	117.0
31	220.4	0.283	62.27	87.6	0	0	0	0.996	50.02	121.0

SHENZHEN ODIN IMPORTANT EXPORT CO,LTD													
QA成品电机抽检记录表QA finished motor inspection record													
编号(number):													
电机型号/Model	OD-7516M22-B-AODIN		电机编号motor number		BCB-75-028		生产日期 date of production		2017.11.06				
生产批号batchnumber	样品		当日产量day production		3 PCS		检验员checker		谢铭钦				
订单数量order quantity	3 PCS		抽检数量 sampling quantity		3 PCS		审核examination		严金林				
检验水准Inspection level	GB2828-2003-II		AQL值		致命缺陷Fatal defect: 0.1		严重缺陷Serious defect: 0.65		轻微缺陷Slight defect: 2.5				
环境温度ambient temperature:抽 检 结 果 记 录Sampling result record风叶重量Blade weight: 228.2g (新风叶)													
检验项目 inpection projecct	检验标准 Inspection standard		实测值actual value										判定 result
			1#	2#	3#	4#	5#	6#	7#	8#	9#	10#	
耐压 High Voltage test	AC 1500V/0.5mA/1S		✓	✓	✓								合格
电阻resistance (R1)	445±6%		445	445	446								合格
电阻resistance (R2)	535±6%		534	532	532								合格
电阻resistance (R3)	585±6%		587	587	587								合格
负载电流load current (A)	H	0.20±10%	0.202	0.201	0.202								合格
	M	0.19±10%	0.192	0.190	0.191								合格
	L	0.18±10%	0.183	0.182	0.182								合格
负载功率load power (W)	H	45±10%	44.5	44.3	44.5								合格
	M	42±10%	42.3	42.0	42.2								合格
	L	40±10%	40.1	40.0	40.1								合格
负载转速load speed (rpm)	H	1200±10%	1208	1224	1209								合格
	M	1050±10%	1073	1070	1076								合格
	L	900±10%	932	930	942								合格
转向steering	CW			✓	✓								合格
振动Vibration (mm/S)	手感		✓	✓	✓								合格
声音sound (dB)	85dB以下 (带风叶)		✓	✓	✓								合格
低压起动Low voltage starting(With fan blade)	<132V		✓	✓	✓								合格
轴伸shaft extension	67±1		67.43	67.3	67.33								合格
游隙Clearance	1mm MAX		0.60	0.60	0.72								合格
外观Visual	按客户要求		✓	✓	✓								合格
引出线长the length of lead wire (mm)	1060±15		1054	1052	1051								合格
轴牙shaft pinion	M8x1.25LEFT		✓	✓	✓								合格
前支架螺牙front bracket thread	4-M4		✓	✓	✓								合格
牙箱测试test of pinion	6-8Kg. f		6.5	6.5	6.6								合格
电容capacitor	CBB61 1.2uF		✓	✓	✓								合格
保险丝fuse	AUPO P4-F 2A 130℃		✓	✓	✓								合格

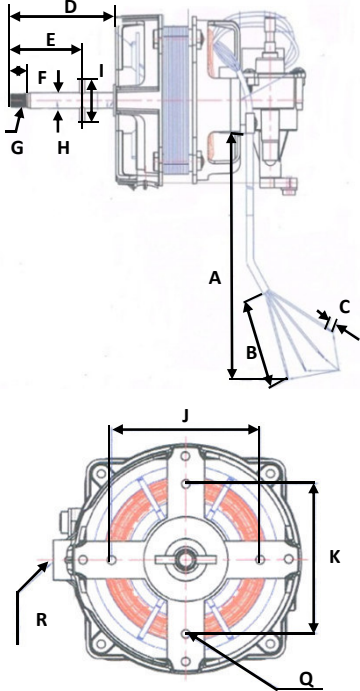
ใบรายงานการตรวจสอบ (INSPECTION REPORT)

QUALITY ASSURANCE DEPARTMENT

Mat. / Part Code / Model	Insp. Type	Cable length A (mm.)	Part Name : MOTOR Manufacturer Name : ODIN	Sample Plan : Zero Sampling Number of Cavity :			Remark : 1. ^S No. is item thant need to record in SAP system																
☐ 500000003476 (10K401) PJ-TA163	Z110	580 ± 15	Part need to be complete as standard	Plan Number (Group) : 64																			
			รายละเอียดการตรวจสอบ (Specification)/检验标准	Sampling Size	Record Type	Test Equipment / Test Equipment ID	INSPECTION RESULT (Value, NG q'ty, Reuslt OK/NG)																
☐ 500000003477 (10M401) PJ-SL163	Z110	1060 ± 15	1. General appearance (一般特征) ^S 1.1 Components are assembled correctly (部件装配正确)	G (AQL=1%)	NG q'ty	COMPARE WITH MASTER SAMPLE	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5		
			^{S*} 1.2 No crack, no distortion, no rust (无裂痕、变形、生锈)	G (AQL=1%)	NG q'ty	VISUAL INSPECTION																	
☐ 500000003478 (10N401) PJ-ST163	Z110	1380 ± 15	1.3 Type and colors of cable are correct (引线型号、颜色正确)	G (AQL=1%)	NG q'ty	COMPARE WITH MASTER SAMPLE																	
			* 1.4 Bracket don't have dent (支架无凹陷, 无凹痕)	G (AQL=1%)	NG q'ty	VISUAL INSPECTION																	
			* 1.5 Define Date code (标贴内容, 日期)	G (AQL=1%)	NG q'ty	VISUAL INSPECTION																	
			* 1.6 End of 4 wires has dipped tin/lead (white, yellow, red, black) (四条线按标准要求浸漆)	G (AQL=1%)	NG q'ty	COMPARE WITH MASTER SAMPLE																	
			2. Dimensions (尺寸检测)																				
			^{S*} 2.1 Cable length A (图A尺寸) = (mm)	n=5, c=0	ตัวเลขตัววัด	SCALE (ทุลเหิลัก) VERNIER CALIPER																	
			2.2 Wire length 4 wires B (图B尺寸) = 80 ± 15 mm.	n=5, c=0	ตัวเลขตัววัด																		
			2.3 Cable peeling length C (图C尺寸) = 16 ± 2 mm.	n=5, c=0	ตัวเลขตัววัด																		
			2.4 Shaft length D (图D尺寸) = 67 (+1.5/-1) mm.	n=5, c=0	ตัวเลขตัววัด																		
			2.5 Distance between screw and pin (图E尺寸) E= 46 ± 0.5 mm	n=5, c=0	ตัวเลขตัววัด																		
			Lot Summary	Inspection Date :																			
				Reference Number :			Inspection Lot No. :																
Supplier Batch No. :																							
Lot Size : kg. / m. / Roll / Sheet / Pcs.																							
Acc/Rej = (0 , 1) ; Sampling Size :				n (CC, G, L)																			
Total NG all items :																							
Lot Judgement : Accept / Reject / Concession / Partially Accepted																							
Inspector (ชื่อผู้ตรวจ) :																							
APPROVED by Group Leader / Foreman (In case "Accept Lot") :																							
APPROVED by QA Supervisor (In case "NG") :																							

ใบรายงานการตรวจสอบ (INSPECTION REPORT)

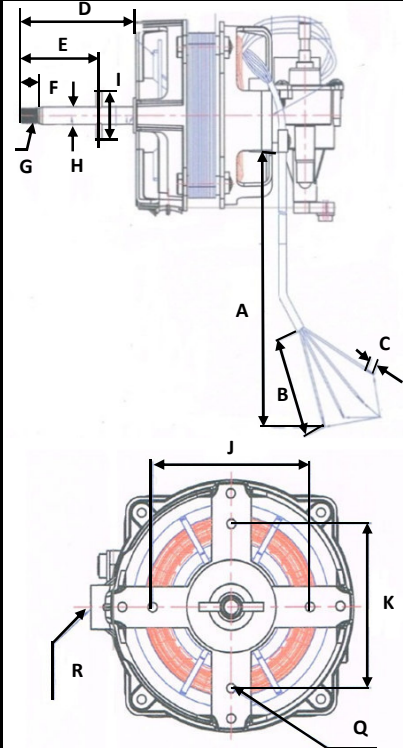
QUALITY ASSURANCE DEPARTMENT

Mat. / Part Code / Model	Insp. Type	Cable length A (mm.)	Part Name : MOTOR Manufacturer Name : ODIN	Sampling Plan : Zero Sampling Number of Cavity :			Remark : 1. ^S No. is item thant need to record in SAP system															
☐ 500000003476 (10K401) PJ-TA163	Z110	580 ± 10	Part need to be complete as standard รายละเอียดการตรวจสอบ (Specification)/检验标准	Sampling Size	Record Type	Test Equipment / Test Equipment ID	INSPECTION RESULT (Value, NG q'ty, Reuslt OK/NG)															
							1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	
☐ 500000003477 (10M401) PJ-SL163	Z110	1060 ± 10	2.6 Screw length (图F长度) F = 11.5 ± 0.5 mm.	n=5, c=0	Measure value	VERNIER CALIPER																
			^S 2.7 Screw size (图G尺寸) G = M8*1.25 (L)	n=5, c=0	NG q'ty	THREAD RING GAUGE 8X1.25/GR2 IR2																
			2.8 ØH Shaft of Motor (轴H外径) = 8.0 (+0.05/-0.010) mm	n=5, c=0	Measure value	VERNIER CALIPER																
☐ 500000003478 (10N401) PJ-ST163	Z110	1380 ± 10	^S 2.9 Dimension I (图I尺寸) = 22 ± 0.3 mm.	n=5, c=0	Measure value	VERNIER CALIPER																
			^S 2.10 Dimension END PLAY (虚位) : N ≤ 1 mm.	n=5, c=0	Measure value	หมายเลขเวอร์เนีย DIAL THICKNESS GAUGE																
			2.11 Dimension J, K (图J,K尺寸) = 56 ± 0.3 mm.	n=5, c=0	NG q'ty	Inspection Jig																
			^S 2.12 Screw size Q (图Q尺寸) = M4x0.7P	n=5, c=0	NG q'ty	THREAD PLUG GAUGE M4X0.7/GPIP2																
			^S 2.13 Screw R (图R螺孔型号) = 5/16-24 W	n=5, c=0	NG q'ty	THREAD PLUG GAUGE 5/16-24 UNF-2B GPIP																
			^S 3. Noise must not have abnormality (无任何异常音)	n=5, c=0	NG q'ty	COMPARE WITH MASTER SAMPLE																
			4. Electrical characteristics (电机性能)																			
			^S 4.1 Insulation resistance (绝缘电阻) ≥ 10 MOhm	n=5, c=0	Measure value	INSULATION TESTER																
			^S 4.2 Dielectric Strength (耐压) 1500 VAC / 5mA / 3S	n=5, c=0	NG q'ty	WITHSTANDING H.V. METER																
			Lot Summary			Inspection Date :																
Reference Number :						Inspection Lot No. :																
Supplier Batch No. :																						
Lot Size : kg. / m. / Roll / Sheet / Pcs.																						
Acc/Rej = (0 , 1) ; Sampling Size : n (NG, G)																						
Lot Judgement : Accept / Reject / Concession / Partially Accepted																						
Inspector (ชื่อผู้ตรวจ) :																						
APPROVED by Group Leader / Foreman (In case "Accept Lot") :																						
APPROVED by QA Supervisor (In case "NG") :																						

ใบรายงานการตรวจสอบ (INSPECTION REPORT)

QUALITY ASSURANCE DEPARTMENT

Mat. / Part Code / Model	Insp. Type	Cable length A (mm.)	Part Name : MOTOR Manufacturer Name : ODIN	Sampling Plan : Zero Sampling Number of Cavity :	Remark : 1. ^S No. is item thant need to record in SAP system																
☐ 500000003476 (10K401) PJ-TA163	Z110	580 ± 10	Part need to be complete as standard	Plan Number (Group) :																	
			รายละเอียดการตรวจสอบ (Specification)/检验标准	Sampling Size	Record Type	Test Equipment / Test Equipment ID	INSPECTION RESULT (Value, NG q'ty, Reuslt OK/NG)														
							1	2	3	4	5	1	2	3	4	5	1	2	3	4	5
☐ 500000003477 (10M401) PJ-SL163	Z110	1060 ± 10	^S 4.3 Starting Voltage(负载启动电压) (VAC) ≤ 132V	n=5, c=0	Measure value	DIGITAL POWER METER															
			4.4 Electric current value (No Load)(空载电流)																		
			^S 4.4.1 NO.1 I = 0.108-0.120 A (Black黑+Red红)	n=5, c=0	Measure value																
☐ 500000003478 (10N401) PJ-ST163	Z110	1380 ± 10	^S 4.4.2 NO.2 I = 0.124-0.137 A (Black黑+Yellow黄)	n=5, c=0	Measure value	DIGITAL POWER METER															
			^S 4.4.3 NO.3 I = 0.152-0.168 A (Black黑+White白)	n=5, c=0	Measure value																
			4.5 Watts (No Load)(空载功率)																		
			^S 4.5.1 NO.1 = 23.0 - 26.5 W (Black黑+Red红)	n=5, c=0	Measure value	DIGITAL POWER METER															
			^S 4.5.2 NO.2 = 26.6 - 29.4 (Black黑+Yellow黄)	n=5, c=0	Measure value																
			^S 4.5.3 NO.3 = 30 - 34 (Black黑+White白)	n=5, c=0	Measure value																
			4.6 Resistance value R(绝缘电阻)																		
			^S 4.6.1 NO.1 = 549 - 621 Ω (Black黑+Red红)	n=5, c=0	Measure value	DIGITAL MULTIMETER															
			^S 4.6.2 NO.2 = 502 - 568 Ω (Black黑+Yellow黄)	n=5, c=0	Measure value																
			^S 4.6.3 NO.3 = 415 - 472 Ω (Black黑+White白)	n=5, c=0	Measure value																
			5. Torque of Gear Box(牙箱扭力) = 5-8 kgf.cm	n=5, c=0	NG q'ty	Jig & torque															
			Inspection Date :																		
			Reference Number :																		
			Inspection Lot No. :																		
			Supplier Batch No. :																		
			Lot Size : kg. / m. / Roll / Sheet / Pcs.																		
			Acc/Rej = (0 , 1) ; Sampling Size : n (G , S , L)																		
			Total NG all items :																		
			Lot Judgement : Accept / Reject / Concession / Partially Accepted																		
			Inspector (ชื่อผู้ตรวจ) :																		
			APPROVED by Group Leader / Foreman (In case "Accept Lot") :																		
			APPROVED by QA Supervisor (In case "NG") :																		



Spec. before change :