

Prüfbericht-Nr.: <i>Test Report No.:</i>	16035439 006	Auftrags-Nr.: <i>Order No.:</i>	174091695	Seite 1 von 1 <i>Page 1 of 1</i>
Kunden-Referenz-Nr.: <i>Client Reference No.:</i>	N/A	Auftragsdatum: <i>Order date:</i>	27.09.2018	
Auftraggeber: <i>Client:</i>	Zhongshan Jinnan Electrical Appliances Co.,Ltd. No 663, Tongji Road, Jichang Village, Dongfeng Town, Zhongshan City, Guangdong Province, China			
Prüfgegenstand: <i>Test item:</i>	Electric fan			
Bezeichnung / Typ-Nr.: <i>Identification / Type No.:</i>	See Table A on page 7-9 of the test report			
Auftrags-Inhalt: <i>Order content:</i>	LVD			
Prüfgrundlage: <i>Test specification:</i>	EN 60335-1:2012+A11+A13 EN 60335-2-80:2003+A1+A2 EN 62233:2008			
Wareneingangsdatum: <i>Date of receipt:</i>	27.09.2018	Keine Fotodokumentation erforderlich No photodocumentation required		
Prüfmuster-Nr.: <i>Test sample No.:</i>	A000822083			
Prüfzeitraum: <i>Testing period:</i>	08.10.2018– 09.10.2018			
Ort der Prüfung: <i>Place of testing:</i>	TÜV Rheinland (Guangdong) Ltd.			
Prüflaboratorium: <i>Testing laboratory:</i>	TÜV Rheinland (Guangdong) Ltd.			
Prüfergebnis*: <i>Test result*:</i>	Pass			
geprüft von / tested by:		kontrolliert von / reviewed by:		
22.11.2018 Sandy Huang/ Project Engineer		22.11.2018 Derek Wang/ Technical Certifier		
Datum <i>Date</i>	Name / Stellung <i>Name / Position</i>	Unterschrift <i>Signature</i>	Datum <i>Date</i>	Name / Stellung <i>Name / Position</i>
				Unterschrift <i>Signature</i>
Sonstiges / Other: This report consists of 1 page cover page and 16 pages of test report.				
Zustand des Prüfgegenstandes bei Anlieferung: <i>Condition of the test item at delivery:</i>		Prüfmuster vollständig und unbeschädigt <i>Test item complete and undamaged</i>		
* Legende: 1 = sehr gut 2 = gut 3 = befriedigend 4 = ausreichend 5 = mangelhaft P(ass) = entspricht o.g. Prüfgrundlage(n) F(ail) = entspricht nicht o.g. Prüfgrundlage(n) N/A = nicht anwendbar N/T = nicht getestet Legend: 1 = very good 2 = good 3 = satisfactory 4 = sufficient 5 = poor P(ass) = passed a.m. test specification(s) F(ail) = failed a.m. test specification(s) N/A = not applicable N/T = not tested				
Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens. <i>This test report only relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any test mark.</i>				

Test Report issued under the responsibility of:



TEST REPORT
IEC 60335-2-80
Safety of household and similar electrical appliances
Part 2 : Particular requirements for fans

Report Number : 16035439 006
Date of issue : See cover page
Total number of pages..... : 16

Applicant's name : Zhongshan Jinnan Electrical Appliances Co.,Ltd.
Address : No 663, Tongji Road, Jichang Village, Dongfeng Town, Zhongshan City, Guangdong Province, China

Test specification:

Standard : IEC 60335-2-80:2002 (Second edition) + A1:2004 +A2:2008 in conj. With IEC 60335-1:2010 (Fifth Edition)
Test procedure : CB Scheme
Non-standard test method..... : N/A

Test Report Form No. : IEC60335_2_80E
Test Report Form(s) Originator : DEKRA Certification B.V.
Master TRF..... : Dated 2012-09

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This report is not valid as a CB Test Report unless signed by an approved CB Testing Laboratory and appended to a CB Test Certificate issued by an NCB in accordance with IECEE 02.

Test item description..... : Electric fan
Trade Mark..... : N/A
Manufacturer : Zhongshan Jinnan Electrical Appliances Co.,Ltd.
No 663, Tongji Road, Jichang Village, Dongfeng Town, Zhongshan City, Guangdong Province, China
Model/Type reference..... : See Table A on page 7-9
Ratings..... : See Table A on page 7-9

Testing procedure and testing location:N/A		
<input type="checkbox"/>	CB Testing Laboratory:	
Testing location/ address.....:		
<input type="checkbox"/>	Associated Laboratory:	
Testing location/ address.....:		
	Tested by (name + signature):	
	Approved by (+ signature).....:	
<input type="checkbox"/>	Testing procedure: TMP	
	Tested by (name + signature):	
	Approved by (+ signature).....:	
Testing location/ address.....:		
<input type="checkbox"/>	Testing procedure: WMT	
	Tested by (name + signature):	
	Witnessed by (+ signature):	
	Approved by (+ signature).....:	
Testing location/ address.....:		
<input type="checkbox"/>	Testing procedure: SMT	
	Tested by (name + signature):	
	Approved by (+ signature).....:	
	Supervised by (+ signature):	
Testing location/ address.....:		
<input type="checkbox"/>	Testing procedure: RMT	
	Tested by (name + signature):	
	Approved by (+ signature).....:	
	Supervised by (+ signature):	
Testing location/ address.....:		

List of Attachments (including a total number of pages in each attachment): See cover page.	
Summary of testing:	
Tests performed (name of test and test clause): Test of clause 20.1 and construction check conducted on model FS-1633. Other tests be covered by 16035439 001 to 005.	Testing location: TÜV Rheinland (Guangdong) Ltd. No. 199 Kezhu Road, Guangzhou Science City, Guangzhou 510663 CHINA
Summary of compliance with National Differences List of countries addressed: EU Group Differences.	

Copy of marking plate

The artwork below may be only a draft. The use of certification marks on a product must be authorized by the respective NCBs that own these marks.



Remark: All models are same rating label, only except different model name and rated power input. Please refer to Table A on page 7 to 9 for details.

Test item particulars :	
Classification of installation and use :	Fixed appliance: WF-1601, WF-1602, WF-1603, WF-1604, WF-1605. Portable appliance: all other models.
Supply Connection :	Fixed power supply cord with plug
Possible test case verdicts:	
- test case does not apply to the test object	N/A
- test object does meet the requirement	P (Pass)
- test object does not meet the requirement	F (Fail)
Testing :	
Date of receipt of test item..... :	See cover page
Date (s) of performance of tests :	See cover page
General remarks:	

The test results presented in this report relate only to the object tested.

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“(see Enclosure #)” refers to additional information appended to the report.

“(see appended table)” refers to a table appended to the report.

Throughout this report a comma / point is used as the decimal separator.

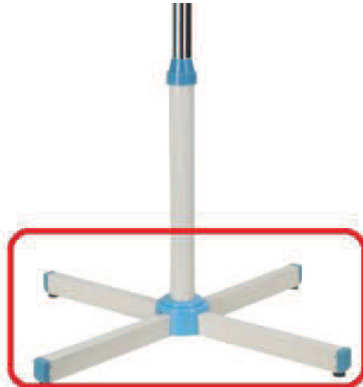
Remark:

1. This report is based on test reports 16035439 001 to 005 for below modifications. This report must be read in conjunction with previous reports.

1.1 Standard upgrade.

From	To
EN 60335-1:2012+A11	EN 60335-1:2012+A11+A13
EN 60335-2-80:2003+A1+A2	EN 60335-2-80:2003+A1+A2
EN 62233:2008	EN 62233:2008

1.2 Construction change for models FS-1604, FS-1607, FS-1608, FS-1609, FS-1613, FS-1625, FS-1628, FS-1629, FS-1630, FS-1632, FS-1633: modified stand bottom as cross shape.



1.3 Alternative below components.

Object/part No.	Manufacturer/ trademark	Type/ model	Technical data	Standard	Mark(s) of conformity
Plug	Zhongshan Jinnan Electrical Appliance Co., Ltd.	JN-06	250VAC, 2.5A	VDE 0620	VDE 40048609
Power cord	Zhongshan Jinnan Electrical Appliance Co., Ltd.	H03VVH2-F (only for FT series, WF series, FS- 16** series)	2 X 0.5 mm ² 2 X 0.75mm ²	DIN EN 50525-2-11	VDE 40047642
		H05VVH2-F	2 X 0.75mm ²		

2. This report must be read in conjunction with the original test reports.

3. Tested according to European harmonized standards.

Manufacturer's Declaration per sub-clause 6.2.5 of IEC60335-2-80E:

The application for obtaining a CB Test Certificate Yes
 includes more than one factory location and a Not applicable
 declaration from the Manufacturer stating that the
 sample(s) submitted for evaluation is (are)
 representative of the products from each factory
 has been provided

When differences exist; they shall be identified in the General product information section.

Name and address of factory (ies): Zhongshan Jinnan Electrical Appliances Co.,Ltd.
 No 663, Tongji Road, Jichang Village, Dongfeng
 Town, Zhongshan City, Guangdong Province, China

General product information:

The products are class II electric fan used in the household indoor only. Please refer to below table A for detail model differences.

Table A

Model	Rating	Control method	Motor type	differences
1	220-240V~, 50Hz, 40W, Class II	Mechanical	JNM-16	1. These 41 models are all mechanical controlled. But FS-1601 to FS-1633(except FS-1607 and FS1608) are stand fan, and FT-40A, FT-40B and FT-1601 to FT1608 are table fan. 2. FS-1601 to FS-1633 (except FS-1607 and FS1608) have the same construction and stand, but have different appearance. 3. FT-40A, FT-40B have the same construction, but have different appearance and stand. 4. FT-1601 to FT1608 have the same construction, but have different appearance and stand.
2		Mechanical	JNMA-16	
3		Mechanical		
4		Mechanical		
5		Mechanical		
6		Mechanical		
7		Mechanical		
8		Mechanical		
9		Mechanical		
10		Mechanical		
11		Mechanical		
12		Mechanical		
13		Mechanical		
14		Mechanical		
15		Mechanical		
16		Mechanical		
17		Mechanical		
18		Mechanical		
19		Mechanical		
20		Mechanical		
21		Mechanical		
22		Mechanical		

23	FS-1625		Mechanical		
24	FS-1626		Mechanical		
25	FS-1627		Mechanical		
26	FS-1628		Mechanical		
27	FS-1629		Mechanical		
28	FS-1630		Mechanical		
29	FS-1631		Mechanical		
30	FS-1632		Mechanical		
31	FS-1633		Mechanical		
32	FT-40A		Mechanical		
33	FT-40B				
34	FT-1601				
35	FT-1602				
36	FT-1603				
37	FT-1604				
38	FT-1605				
39	FT-1606				
40	FT-1607				
41	FT-1608				
42	FT-23	220-240V~, 50Hz, 20W Class II	Mechanical	JNM-9	These two models are table fan, and they have the same construction, the differences between them are the appearance and stand.
43	FT-23A				
44	FT-30A	220-240V~, 50Hz, 38W Class II	Mechanical	JNM-12 JNMA-12	These four models are table fan, and they have the same construction, the differences between them are the appearance and stand.
45	FT-30B				
46	FT-1201				
47	FT-1202				
48	FS-1607, 49 FS-1608	220-240V~, 50Hz, 45W Class II	Electronic	JNM-16 JNMA-16	These two models are stand fan, and have syn motor. The differences between them are the appearance.
50	FS-1801	220-240V~, 50Hz, 55W Class II	Mechanical	JNM-18	These three models are stand fan. They are based on FS-1632, but the motor and size of the fan blade different. The difference among these 3 models is only the outlook appearance of switch box (only FS-1802 incorporates a timer).
51	FS-1802				
52	FS-1803				

53	WF-1601	220-240V~, 50Hz, 40W, Class II	Mechanical	JNM-16	These five models are wall fan. They are based on FS-1601 but mounting method and construction of switch box different. And addition a sync.motor. The difference among these 5 models is only the outlook appearance of switch box.
54	WF-1602			JNMA-16	
55	WF-1603				
56	WF-1604				
57	WF-1605				

IEC 60335-2-80			
Clause	Requirement - Test	Result - Remark	Verdict
20	STABILITY AND MECHANICAL HAZARDS		P
20.1	Appliances having adequate stability		P
	Tilting test through an angle of 10°, appliance placed on an inclined plane/horizontal support, not connected to the supply mains; appliance does not overturn		P
	Tilting test repeated on appliances with heating elements, angle of inclination increased to 15°		N/A
	Possible heating test in overturned position; temperature rise does not exceed values shown in table 9		N/A
A	Portable pedestal fans exceeding 1,7 m and exceeding 10 kg tested with a force of 40 N at 1,5 m. (IEC 60335-2-80)		N/A

EN 60335-1:2012/A13:2017		
Annex ZC	Normative references to international publications with their corresponding European publications	P
Annex ZZA	Relationship between this European Standard and the safety objectives of Directive 2014/35/EU [2014 OJ L96] aimed to be covered	P
Annex ZZB	Relationship between this European Standard and the essential requirements of Directive 2006/42/EC aimed to be covered	N/A

24.1	TABLE: Critical components information				P
Object / part No.	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity ¹⁾
1 Plug	Zhongshan Xiaolan Qiangli Electric Factory Co., Ltd.	QL-VA1	250VAC,2.5A	VDE 0620-1	VDE 40013545
(Alternative)	Zhongshan Ke Jin Power Supply Cord Co., Ltd.	KJ-118	250VAC,2.5A	VDE 0620-1	VDE40010168
(Alternative)	MAINLAND ELECTRIC WIRE & CABLE CO., LTD.	ML-207	250VAC,2.5A	VDE 0620-1	VDE 40011361
(Alternative)	Jhi Wei Electric Wire&Cable Co.,Ltd.	JW-05	250VAC,2.5A	VDE 0620-1	VDE 40005490
(Alternative)	Zhongshan Nantou Hongyun Electric Appliance Accessories Factory	HY-008	250VAC,2.5A	VDE 0620-1	VDE 40032414
(Alternative)	Zhongshan Jinnan Electrical	JN-06	250VAC, 2.5A	VDE 0620-1	VDE 40048609

IEC 60335-2-80					
Clause	Requirement - Test	Result - Remark		Verdict	
	Appliance Co., Ltd.				
Plug for south Africa	CHING CHENG WIRE & CABLE CO LTD	EL-208	250VAC,16A	SABS 164-1	6358/9582
BS plug	Luen Tai(IP.S) Electrical Mfy Shenzhen.	9518	250VAC,13A	BS 1353	KM 40790
2 Power cord (see remark)	Zhongshan Xiaolan Qiangli Electric Factory Co., Ltd.	H03VVH2-F	2 X 0.5 mm ² 2 X 0.75mm ²	DIN EN 50525	VDE 109832
		H05VVH2-F	2 X 0.75mm ²		
(Alternative)	Ningbo Light-Heavy Electronics Technology Co., Ltd.	H03VVH2-F	2 X 0.5 mm ² 2 X 0.75mm ²	DIN EN 50525	VDE 40007592
		H05VVH2-F	2 X 0.75mm ²		
(Alternative)	Zhongshan Ke Jin Power Supply Cord Co., Ltd.	H03VVH2-F	2 X 0.5 mm ² 2 X 0.75mm ²	DIN EN 50525	VDE 40013045
		H05VVH2-F	2 X 0.75mm ²		
(Alternative)	MAINLAND ELECTRIC WIRE & CABLE CO., LTD.	H03VVH2-F	2 X 0.5 mm ² 2 X 0.75mm ²	DIN EN 50525	VDE 40010355
		H05VVH2-F	2 X 0.75mm ²		
(Alternative)	Jhi Wei Electric Wire & Cable Co.,Ltd	H03VVH2-F	2 X 0.5 mm ² 2 X 0.75mm ²	DIN EN 50525	VDE 40004775
		H05VVH2-F	2 X 0.75mm ²		
(Alternative)	Zhongshan Jinnan Electrical Appliance Co., Ltd.	H03VVH2-F	2 X 0.5 mm ² 2 X 0.75mm ²	DIN EN 50525-2-11	VDE 40047642
		H05VVH2-F	2 X 0.75mm ²		
Remark: H03VVH2-F is for FT series, WF series and FS-16** series.					
3 Internal wire	Foshan Shunde Beijiao Huacheng Electrical Co.,Ltd	1015	20-22AWG, 600V, 105°C	---	UL E168233
(Alternative)	Huansheng Cords & Cables Co.,Ltd	1015	20-22AWG, 600V, 105°C	---	UL E252403
(Alternative)	Juning Wire MFG Co.,Ltd.	1015	20-22AWG, 600V, 105°C	---	UL E313231
Internal wire for capacitor	SHENZHEN DONG JU WIRE & CABLE CO LTD	1015	20-22AWG, 600V, 105°C	---	UL E189674
(Alternative)	FOSHAN SHUNDE DAHUA ELECTRIC CO LTD	1015	20-22AWG, 600V, 105°C	---	UL E124622

IEC 60335-2-80					
Clause	Requirement - Test		Result - Remark		Verdict
Internal wire for Synchronous motor	FOSHAN NANHAI PINGZHOU NANPING ELECTRICAL WIRE FACTORY	1015	20-24AWG, 600V, 105°C	---	UL E258510
4 Sleeve for internal wire	GUANGDONG SHUNDE BEIJIAO HONGQIAO INSULATION MATERIAL FACTORY	CSEEUL001	600V, 105 °C, 1mm thickness	---	UL E154902
(Alternative)	SHUNDE BEIJIAO LIANDA CO LTD	LHX-01	600V,105°C 1mm thickness	---	UL E218446
(Alternative)	DONG GUAN HAI SHENG PLASTIC MANUFACTURE CO LTD	QS1-600	600V,105°C 1mm thickness	---	UL E238728
(Alternative)	Foshan Shunde Beijiao Huacheng Electrical Co.,Ltd.	2733	600V,105°C 1mm thickness	---	UL E168233
5 Wire Connector	Heavy Power Co., Ltd.	CE-2 CE2	300V, 105°C	EN 60335-1 EN 60335-2-80	UL E113650 & tested with appliance
6 Capacitor for FT-40A/B, FS-1601-1633, FT-1601-1608, WF-1601-1605	Shunde Dahua Electric Co., Ltd	CBB61	450VAC, 50/60Hz, 1.2µF, T70, P2	EN 60252	TUV R 50033889
(Alternative)	Foshan Shunde Fongming Electronic Tech. Co., Ltd.	CBB61-P2	450VAC, 50/60Hz, 1.2µF, T70, P2	EN 60252	TUV R 50163114
(Alternative)	Jiangmen Global Electronic Co., Ltd.	CBB61F	450VAC, 50/60Hz, 1.2µF, T70, P2	EN 60252	TUV R 50277584
(Alternative)	Zhongshan Youbangda Electrical Co., Ltd.	CBB61-P2	450V 50/60Hz S3 40/70/21, 1.2uF	EN 60252-1	TUVSUD B1505905 31 001
Capacitor for FT-30A/B FT-1201/1202	Shunde Dahua Electric Co., Ltd	CBB61	450VAC, 50/60Hz, 1.0µF, T70, P2	EN 60252	TUV R 50033889
(Alternative)	Foshan Shunde Fongming Electronic Tech. Co., Ltd.	CBB61-P2	450VAC, 50/60Hz, 1.0µF, T70, P2	EN 60252	TUV R 50163114

IEC 60335-2-80					
Clause	Requirement - Test	Result - Remark			Verdict
(Alternative)	Jiangmen Global Electronic Co., Ltd.	CBB61F	450VAC, 50/60Hz, 1.0μF, T70, P2	EN 60252	TUV R 50277584
(Alternative)	Zhongshan Youbangda Electrical Co., Ltd.	CBB61-P2	450V 50/60Hz S3 40/70/21, 1.0uF	EN 60252-1	TUVSUD B1505905 31 001
Capacitor for FS-1801-1803	Shunde Dahua Electric Co., Ltd	CBB61	450VAC, 50/60Hz, 1.5μF, T70, P2	EN 60252	TUV R 50033889
(Alternative)	Foshan Shunde Fongming Electronic Tech. Co., Ltd.	CBB61-P2	450VAC, 50/60Hz, 1.5μF, T70, P2	EN 60252	TUV R 50163114
(Alternative)	Jiangmen Global Electronic Co., Ltd.	CBB61F	450VAC, 50/60Hz, 1.5μF, T70, P2	EN 60252	TUV R 50277584
(Alternative)	Zhongshan Youbangda Electrical Co., Ltd.	CBB61-P2	450V 50/60Hz S3 40/70/21, 1.5uF	EN 60252-1	TUVSUD B1505905 31 001
7 Speed Switch for models except FS-1607/1608, WF-1601-1605	Zhongshan Yonglian Electrical Appliances Co., Ltd.	KQ-183 KQ-184 KQ-185 KQ-153 KQ-164 KQ-165 KQ-165C, KQ-184C	250VAC,1(1)A	EN 61058-1	TUV R0975712 1
(Alternative)	Zhongshan Xiaolan Huafeng Electrical Appliance Manufactory	ZD-418, ZD-516, ZD-318	250VAC,1(1)A	EN 61058-1	TUV R5008261 0
(Alternative)	Zhongshan City Nantou Town Xinting Electric Manufacturing Factory	KQ-153A KQ-165A KQ-183A KQ-184A KQ-214A KQ-153B KQ-165B	250VAC,1(1)A	EN 61058-1	TUV R5009730 7
8 Synchronous motor for FS-1607/1608, WF-1601-1605	Gaoyao City Hengjun Electrical Appliance Co.,Ltd	TY-50	220-240V~ 4W	EN 60335-1	TUV 50159560
(Alternative)	Foshan Sanshui Haixun	TDY50	220-240V~ 4W	EN 60335-1	VDE

IEC 60335-2-80					
Clause	Requirement - Test		Result - Remark		Verdict
	Micromotor Co.,Ltd				40018733
9 Flexible Heat-Shrinkable	SHENZHEN WOER HEAT-SHRINKABLE MATERIAL CO LTD	RSFR RSFR-H	600V,1	---	UL E203950
10 Magnet wire	GUANGDONG WELLKEY ELECTRIC MATERIAL CO LTD	UEW (QA-X)	T130	EN 60335-1 EN 60335-2-80	UL E211138& tested with appliance
(Alternative)	XIN LONG MAGNET WIRE CO.,LTD	UEW-2	T130	EN 60335-1 EN 60335-2-80	UL E171082& tested with appliance
11 Thermal Link	Aupo Electronics Ltd	A4 B4 A4-F	250VAC, 2A, Tf130°C	EN 60691	VDE 40008720
(Alternative)	Aupo Electronics Ltd.	A4-1A, B4-1A A4-1A-F	250VAC, 1A , Tf130°C	EN 60691	VDE 40005586
(Alternative)	Joint Force Metal Research & Company	M33 L33	250VAC, 2A, Tf130°C	EN 60691	TUV R5003478 9
(Alternative)	HONGHU BLUELIGHT ELECTRONIC CO.,LTD	RH130-2	250VAC, 2A, Tf130°C	EN 60691	VDE 40019233
(Alternative)	Zhongshan Xiaolan Huasheng Heat Protection Equipment Co., Ltd.	RH 130	250VAC, 2A, Tf130°C	EN 60691	VDE 40031335
(Alternative)	Dongguan Wancheng Fuse Co., Ltd	T3	250VAC, 2A, Tf130°C	EN 60691	TUV R5007742 9
(Alternative)	Dongguan Wancheng Fuse Co., Ltd	P3	250VAC, 1A, Tf130°C	EN 60691	TUV R5006948 9
(Alternative)	Xiamen Set Electronics Co. Ltd.	K4	250VAC, 2A, Tf130	EN 60691	VDE 40017055
12 Motor for FT-40A/B, FT-1601-1608, FS-1601- 1633, WF-1601 -1605	Zhongshan Jinnan Electrical Appliance Co.,Ltd	JNM-16	220-240VAC, 50Hz,40W,Class 120 Main: 660Ω±5%,; Aux.: 810Ω±5%,	EN 60335-1 EN 60335-2-80	Tested with appliance
(Alternative)	Zhongshan Jinnan Electrical Appliance Co.,Ltd	JNMA-16	220-240VAC, 50Hz,40W,Class 120 Main: 680Ω±5%,; Aux.: 580Ω±5%,	EN 60335-1 EN 60335-2-80	Tested with appliance
Motor for FT-30A/30B/120 1/1202	Zhongshan Jinnan Electrical Appliance Co.,Ltd	JNM-12	220-240VAC, 50Hz,38W,Class 120 Main: 820Ω±5%,	EN 60335-1 EN 60335-2-80	Tested with appliance

IEC 60335-2-80					
Clause	Requirement - Test		Result - Remark		Verdict
			Aux.: 844Ω±5%,		
(Alternative)	Zhongshan Jinnan Electrical Appliance Co.,Ltd	JNMA-12	220-240VAC, 50Hz,38W,Class 120 Main: 890Ω±5%, Aux.: 780Ω±5%,	EN 60335-1 EN 60335-2-80	Tested with appliance
Motor for 23/23A	Zhongshan Jinnan Electrical Appliance Co.,Ltd	JNM-9	220-240VAC, 50Hz,20W,Class 120 230Ω±5%,	EN 60335-1 EN 60335-2-80	Tested with appliance
Motor for FS-1801-03	Zhongshan Jinnan Electrical Appliance Co.,Ltd	JNM-18	220-240VAC, 50Hz, 55W, Class 120 Main: 430Ω±5%, Aux.: 620Ω±5%,	EN 60335-1 EN 60335-2-80	Tested with appliance
13 Enclosure plastic	KINGFA SCI & TECH CO LTD	PP-201	HB,T65	EN 60335-1 EN 60335-2-80	UL E171666 & tested with appliance
14 TIMER(see remark)	Foshan Shunde Huaxinde Industry Co.,Ltd.	DFJ120	250V,1.6A	EN 60320	TUV B0504559 05001
Remark: timer is only for models FS-1603/FS-1604/FS-1605/FS-1609/FS-1610/FS-1611/FS-1618 FS-1619/FS-1624/FS-1626/FS-1627/FS-1633/FT-1608/ FS-1802					
15 PCB for for FS-1607/1608	Kingboard Laminates Ltd	KB-3150	130C	-	VDE 5722
(Alternative)	Kingboard Laminates Ltd	KB-3151C	130C	-	VDE 5722
16 FUSE for FS-1607/1608	XC Electronics(ShenZhen) Corp.LTD.,	3F-Serie(S)	250V 3.15A	EN 60127	VDE 40019636
(Alternative)	XC Electronics(ShenZhen) Corp.LTD.,	5F-Serie(S)	250V 3.15A	EN 60127	VDE 40009609
(Alternative)	Shenzhen Lanson Electronics Co.,Ltd	3K	250V 3.15A	EN 60127	VDE 40010682
(Alternative)	Shenzhen Lanson Electronics Co.,Ltd	5K	250V 3.15A	EN 60127	VDE 40010746
17 X2 Capacitor for FS-1607/1608	Liow Gu Electronics Industry Co.,Ltd	GS-L	1.0μF 275V	EN 60384-14	VDE 101345
(Alternative)	Foshan Shunde Chuang Ge Electronic Industrial Co.,Ltd	MKP-X2	1.0μF 275V	EN 60384-14	VDE40008 922
18 Main switch for	Zhongshan Xiaolan Yongjiang Plastic Electrical	KQ-3, KQ-3A, KQ-4, KQ-4A	250VAC,1(1)A, T55, 1E4	EN 61058-1	TUV R50052866

IEC 60335-2-80					
Clause	Requirement - Test	Result - Remark			Verdict
WF-1601 - 1605	Plant				
(Alternative)	Zhongshan Xiaolan Yongjiang Plastic Electrical Plant	GZS-6B, GZS-6	250VAC,1(1)A, T55, 1E4	EN 61058-1	TUV R50033175
(Alternative)	Foshan Shunde Yuanfeng Metal Electrical Appliance Co.,Ltd	YX1 YX2 YX3	250VAC,T125,1E4 16(4)A 10(3)A 3(1)A	EN 61058-1	TUV R50089831
(Alternative)	Zhongshan Xiaolan Chenglian Hardware Electrical Factory	CK-03	250VAC,1(1)A, T55, 1E4	EN 61058-1	TUV R50122282
(Alternative)	Zhongshan Xiaolan Huafeng Electrical Appliance Maufactory/ HUAF	ZD-L (4 position)	Mark:250VAC,1A; Test: 240VAC, 0.18A	EN 60335-2-80 EN 60335-1	Tested with appliance
19 Turning switch for WF-1601 -1605	Zhongshan Xiaolan Yongjiang Plastic Electrical Plant	GZS-5A	250VAC,1(1)A, T65, 1E4	EN 61058-1	TUV R50154548
(Alternative)	Zhongshan Xiaolan Huafeng Electrical Appliance Maufactory/ HUAF	ZD-L (2 position)	Mark:250VAC,1A; Test: 240VAC, 0.18A	EN 60335-2-80 EN 60335-1	Tested with appliance
Remark: Supply cord of 0.5mm ² may only be used if their length does not exceed 2m between the point where the cord or cord guard enters the appliance and the entry to the plug.					

--- End of Test Report ---