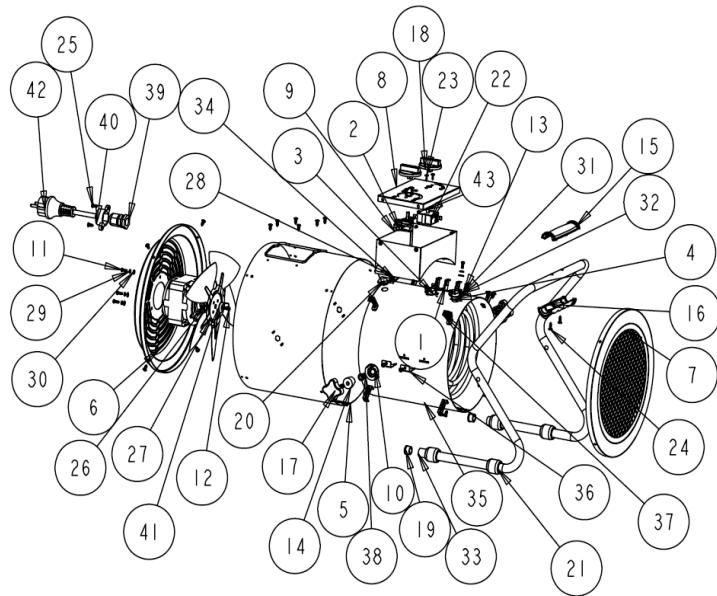


Exploded View

Supplier name:	Ningbo Joyee Electrical Appliances Co., Ltd.
Supplier model no:	IFH04-33E
Customer model no:	
Version no.:	1
Prepared by:	Yu Huiming
Approved by:	Shen Ruhao
Date:	2019.12.30



Part no.	Component	Specification	Qty
1	Heating element	220-240V 1650W	2
2	Adjustable thermostat	250V 16A Tf85	1
3	Thermal cut-out	250V 16A Tf50	1
4	Thermal cut-out	250V 16A Tf75	1
5	Outer plate	Cold rolled sheet	1
6	Motor plate	Cold rolled sheet	1
7	Grid	Cold rolled sheet	1
8	Top cover	Cold rolled sheet	1
9	Control panel	Cold rolled sheet	1
10	Plate	Cold rolled sheet	2
11	Screw	M4x10	5
12	Screw	M4x12	1
13	Screw	M5x10	4
14	Sheath for steel handle	PP	2
15	Top cover for handle	PP	1
16	Bottom cover for handle	PP	1
17	Knob for steel handle	PP	2
18	Knob	PP	2
19	Cover for steel base	PVC	2
20	Cord sheath	PVC	1
21	Feet	PVC	4
22	Power switch	250V 16A	1
23	Screw	ST3x10	2
24	Screw	ST3x12	2
25	Screw	ST4x10	45
26	Motor	220-240V 50Hz IP44	1
27	Fan blade	Aluminum	1
28	Rivet	Φ3.2	1
29	Spring washer	Φ4	3
30	Tooth washer	Φ4	3
31	Washer	Φ5	4
32	Spring washer	Φ5	4
33	Steel handle	Iron	1
34	Earth pin	Iron	1
35	Inner plate	Galvanized sheet	1
36	Plate	Galvanized sheet	4
37	Connector	Galvanized sheet	8
38	Screw		2
39	Cord grand		1
40	Ring for cord grand		1
41	Sheath		1
42	Supply cord	H07RN-F 3G1.5mm ²	1
43	Switch washer	PP	1

Attachment to Certificate No.: 14HZH0396-07

Constructional Data Form (CDF)

<i>Certificate Holder:</i>	Ningbo Joyee Electrical Appliances Co., Ltd. East Industry Development Area, Guanhaiwei Cixi, Zhejiang P. R. China
<i>Manufacturing Site:</i>	Ningbo Joyee Electrical Appliances Co., Ltd. East Industry Development Area, Guanhaiwei Cixi, Zhejiang P. R. China
<i>Product:</i> <i>(in German)</i>	Heizlüfter für den Hausgebrauch
<i>Product:</i> <i>(in English)</i>	Fan heater for household use
<i>Type:</i>	IFH04-20, IFH04-30, IFH04-22, IFH04-33, IFH04-30A, IFH04-33A, IFH04-30B, IFH04-20-S, IFH04-22-S, IFH04-30-S, IFH04-33-S, IFH04-30E, IFH04-33E, IFH04-25, IFH04-30A-N, IFH04-33A-N
<i>Brandname:</i>	---
<i>Description:</i>	220-240V~, 50-60Hz, Class I, IP24, IFH04-20, IFH04-20-S: 2000W; IFH04-22, IFH04-22-S: 2200W; IFH04-30, IFH04-30A, IFH04-30B, IFH04-30-S, IFH04-30A-N: 3000W; IFH04-33, IFH04-33A, IFH04-33-S, IFH04-33E, IFH04-33A-N: 3300W; IFH04-25: 2500W; IFH04-30E: 3000W or 2500-3000W
<i>Test Report No.:</i>	130700248HZH-001:2014-03-03 130700248HZH-001+A1:2014-04-24 130700248HZH-001+A10:2020-07-24 130700248HZH-001+A11:2021-12-06 130700248HZH-001+A12:2023-01-11 130700248HZH-001+A13:2024-04-01 130700248HZH-001+A2:2015-05-06 130700248HZH-001+A3:2015-06-05 130700248HZH-001+A4:2016-02-25 130700248HZH-001+A5:2016-07-14 130700248HZH-001+A6:2017-07-31 130700248HZH-001+A7:2017-08-21 130700248HZH-001+A8:2020-04-21 130700248HZH-001+A9:2020-06-22
<i>Tested according to:</i>	EN 62233:2008 PAK-Anforderung für GS (PAH requirement for GS) AfPS GS 2019:01 PAK EN 60335-2-30:2009+A11:2012+A1:2020+A12:2020+A2:2022+A13:2022 EN 60335-1:2012+A11:2014+A13:2017+A1:2019+A2:2019+A14:2019 +A15:2021+A16:2023
<i>Valid until:</i>	2029-04-06
<i>Issued on:</i>	2024-04-07

Attachment to Certificate No.: 14HZH0396-07

Product Information:

General product information

The heaters are fan heaters with tubular heating element.

See below description for model similarity:

1. IFH04-20, IFH04-22, IFH04-30 and IFH04-33 are same only except the power input.
2. IFH04-30A and IFH04-33A are same only except the power input.
3. IFH04-30 and IFH04-30A are similar except the shape of enclosure, the shape of heating element and the motor.
4. IFH04-33 and IFH04-33A are similar except the shape of enclosure, the shape of heating element and the motor.
5. IFH04-30B is same with IFH04-30A except the position and operating temperature of self-resetting thermal cut-out.
6. IFH04-20-S, IFH04-22-S, IFH04-30-S and IFH04-33-S are same only except the power input.
7. IFH04-20 and IFH04-20-S are same except the handle and support. IFH04-22 and IFH04-22-S are same except the handle and support. IFH04-30 and IFH04-30-S are same except the handle and support. IFH04-33 and IFH04-33-S are same except the handle and support
8. IFH04-30E, IFH04-33E is same with IFH04-30A, IFH04-33A except length of heater body and air inlet grille.
9. IFH04-25 is same with IFH04-30E except the power input of heating element
10. IFH04-30A-N and IFH04-30A are similar except IFH04-30A-N can use two different motor and an extra timer. Same as IFH04-33A-N and IFH04-33A.
11. For all models, there are two safety structure as safeguard when in abnormal use. One is a self-resetting thermal cut-out and a manual-resetting thermal cut out as safeguard. One is a voltage-maintained non-self-resetting thermal cut-out as safeguard.

Copy of marking plate (representative)



(The height of the symbol shall be at least 15 mm) Or

WARNING: Do not cover

WARNUNG: Nicht Abdecken

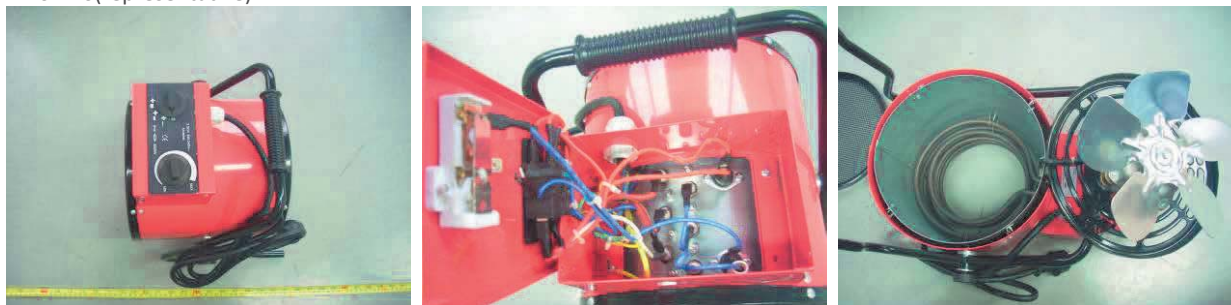
(The height of the words shall be at least 3 mm)

When the equipment is vended to EU, then name and address of the importer or authorized representative within the EEA shall be added on the equipment.

Attachment to Certificate No.: 14HZH0396-07

Product Pictures

IFH04-20(representative)



List of Critical Components

Object / part No.	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity ¹⁾
Plug	Zhejiang Jintong Nuclear Cable Co.,Ltd.	JT003-F	AC 250V, 16A, IP44 DIN 49441-R2 + DIN 49441-2-AR2	DIN VDE 0620-1	VDE*/ 40023496
Alternative	Yuyao Jingyi Electronics Co., Ltd	JY03-F	AC 250V, 16A, IP44 DIN 49441-R2 + DIN 49441-2-AR2	DIN VDE 0620-1	VDE*/ 40020796
Alternative	Ningbo JinTing Nuclear Cable Co., Ltd	FY003-F	AC 250V, 16A, IP44 DIN 49441-2-AR2	DIN VDE 0620- 2-1	VDE*/ 40036346
Alternative	Yuyao Lanteng Electrical Appliances Co.,Ltd.	LT03-F	AC 250V, 16A, IP44	DIN VDE 0620- 2-1	TUV*/ R 50556599
Rewireable Plug for UK(for not more than 3000W)	Yuyao Yunbiao Electronics Co., Ltd.	YB006	AC 250V	BS 1363-1	BSI*/ KM 73093
Remark: The rating of BS fuse-links should be employed according to the table 2 of BS 1363-1:2016+A1:2018					
Non Rewireable Plug for UK (for not more than 3000W)	Ningbo Yunhuan Electronics Group Corporation	Y006A/Y006	AC250V	BS1363-1	BSI*/ 45980
Alternative	Shangyu Jintao Electron Co., Ltd.	JT006A	AC250V	BS1363-1	ASTA*/ 1120
Alternative	Yuyao Haidebao Electrical Appliance Co., Ltd.	HDB-08A	AC250V	BS1363-1	ASTA*/ 20679
Alternative	Ningbo JinTing Nuclear Cable Co., Ltd	FY006A	AC250V	BS 1363-1	ASTA/1295
Remark: The rating of BS fuse-links should be employed according to the table 2 of BS 1363-1:2016+A1:2018					
Supply cord(for IFH04- 20 ,IFH04-22, IFH04- 20-S, IFH04-22-S)	Zhejiang Jintong Nuclear Cable Co.,Ltd.	H05RN-F H05RR-F	3×0,75-1,0 mm ² , (1m ≤ cord length ≤1,9m)	EN 50525-2-21	VDE*/ 40018106
Alternative	Yuyao Jingyi Electronics Co., Ltd.	H05RN-F H05RR-F	3×0,75-1,0 mm ² , (1m ≤ cord length ≤1,9m)	EN 50525-2-21	VDE*/ 40017356
Alternative	Ningbo Liansheng Wire & Cable Co. Ltd.	H05RN-F H05RR-F	3×0,75-1,0 mm ² , (1m ≤ cord length ≤1,9m)	EN 50525-2-21	VDE*/ 40033764
Alternative	Ningbo Jintong Nuclear Cable Co.,Ltd	H05RN-F, H05RR-F	3×0,75-1,0 mm ² , (1m ≤ cord length ≤1,9m)	EN 50525-2-21	VDE*/ 40032177
Alternative	Yuyao Lanteng Electrical Appliances Co.,Ltd.	H05RR-F H05RN-F	3×0,75-1,0 mm ² , (1m ≤ cord length ≤1,9m)	EN 50525-2-21	TUV*/ R50556006
Supply cord(for IFH04- 30, IFH04-33, IFH04- 30A, IFH04-33A, IFH04-30B, IFH04-30- S, IFH04-33-S, IFH04- 30E, IFH04-33E, IFH04-25, IFH04-30A- N, IFH04-33A-N)	Zhejiang Jintong Nuclear Cable Co.,Ltd.	H05RR-F H05RN-F H07RN-F	3G1,0-1,5mm ² , (1m ≤ cord length ≤1,9m)	EN 50525-2-21	VDE*/ 40018106

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Object / part No.	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity ¹⁾
Alternative	Yuyao Jingyi Electronics Co., Ltd.	H05RR-F H05RN-F H07RN-F	3G1,0-1,5mm ² , (1m ≤ cord length ≤1,9m)	EN 50525-2-21	VDE*/ 40017356
Alternative	Ningbo Liansheng Wire & Cable Co. Ltd.	H05RR-F H05RN-F H07RN-F	3G1,0-1,5mm ² , (1m ≤ cord length ≤1,9m)	EN 50525-2-21	VDE*/ 40033764
Alternative	Ningbo Jinting Nuclear Cable Co.,Ltd	H05RR-F H05RN-F H07RN-F	3G1,0-1,5mm ² , (1m ≤ cord length ≤1,9m)	EN 50525-2-21	VDE*/ 40032177
Alternative	Yuyao Lanteng Electrical Appliances Co.,Ltd.	H05RR-F H05RN-F H07RN-F	3G1,0-1,5mm ² , (1m ≤ cord length ≤1,9m)	EN 50525-2-21	TUV*/ R50556006
Rotary Switch	Ningbo Soken Electric Appliance Co., Ltd	RT2	AC250V 16A 1E4 T100/55	EN 61058-1	VDE*/ 40015049
Alternative	Cixi Kangbo Electrical Co., Ltd.	RS-16	250V~, 16A, 1E4, T125	EN 61058-1	TUV*/ R50195980
Alternative	Cixi City Xinpu KE KE Electronics Factory	YK2-11, YK2-21, YK2-32	AC 250V, 16A, 1E4 T125	EN 61058-1	TUV*/ B 16 01 94553 004
Alternative	NINGBO PERSHOW ELECTRICAL APPLIANCE CO., LTD.	RS2	250V~, 15A, 1E4, T125	EN 61058-1	TUV*/ R 50422675
Anti Overturn Switch for IFH04-30E and IFH04-33E (optional)	Cixi Kangbo Electrical Co.,Ltd	KB-1	AC 250V 16(6)A 50Hz 5E4 T85	EN 61058-1	TUV*/ 50060663
-alternative	Cixi City Xinpu KE KE Electronics Factory	KW3-OZ	AC 250V 16, 1E4, T125	EN 61058-1	TUV*/ B 16 01 94553 003
Thermostat (for the IFH04-20, IFH04-22, IFH04-20-S, IFH04-22-S)	Cixi KADA Temperature Controller Co., Ltd	KDT-100	AC250V, 16A, T90, 1E4, operating temperature: 85-120°C	EN 60730-1 EN 60730-2-9	TUV*/ R 50043809
Alternative	Cixi KADA Temperature Controller Co., Ltd	KDT-200	AC250V, 16A, T180, 1E5, operating temperature: 85-120°C	EN 60730-1 EN 60730-2-9	TUV*/ R 50190887
Alternative	Shaoxing Zhongxin Electric Appliance Co., Ltd.	KST220	AC250V, 10A, T250, 1E4, operating temperature: 85-120°C	EN 60730-1 EN 60730-2-9	TUV*/ R 50211801
Alternative	ZhongShan City HuiDe Thermostat Co., Ltd.	KST-168	AC250V, 16A, 10E4 T250, operating temperature: 85-120°C	EN 60730-1 EN 60730-2-9	TUV*/ R50284011
Alternative	Anhui Huide Electronic Technology Co., Ltd.	KST-801	AC250V, 10A or 16A, 10E4 T250, operating temperature: 85-120°C	EN 60730-1 EN 60730-2-9	TUV*/ R50565489
Alternative	Ningbo Xinglong Thermostat Co., Ltd.	KST-200	AC250V, 16A, 10E4 T250, Tf85	EN 60730-1 EN 60730-2-9	TUV*/ R50410144
Thermostat (for the models except IFH04-20, IFH04-22, IFH04-20-S, IFH04-22-S)	Cixi KADA Temperantre Controller Co., Ltd	KDT-100	AC250V, 16A, T90, 1E4, operating temperature: 85-120°C	EN 60730-1 EN 60730-2-9	TUV*/ R 50043809
Alternative	Cixi KADA Temperantre Controller Co., Ltd	KDT-200	AC250V, 16A, T180, 1E5, operating temperature: 85-120°C	EN 60730-1 EN 60730-2-9	TUV*/ R 50190887
Alternative	ZhongShan City HuiDe Thermostat Co., Ltd.	KST-168	AC250V, 16A, 10E4 T250, operating temperature: 85-120°C	EN 60730-1 EN 60730-2-9	TUV*/ R50284011
Alternative	Anhui Huide Electronic Technology Co., Ltd.	KST-801	AC250V, 16A, 10E4 T250, operating temperature: 85-120°C	EN 60730-1 EN 60730-2-9	TUV*/ R50565489

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Object / part No.	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity ¹⁾
Alternative	Ningbo Xinglong Thermostat Co., Ltd.	KST-200	AC250V, 16A, 10E4 T250, operating temperature: 85-120°C	EN 60730-1 EN 60730-2-9	TUV*/ R50410144
Self-resetting thermal cut-out (for IFH04-20, IFH04-22, IFH04-20-S, IFH04-22-S)	Tongbao-Hualong Controls Co., Ltd.	KSD-301	AC250V, 10A, T205, operating temperature: 85°C	EN 60730-1 EN 60730-2-9	VDE*/ 40011625
Alternative	Jiangsu Changheng (Group)control Devices & Products CO., Ltd	KSD	AC250V, 10A, T185, 35E3, other same with above item.	EN 60730-1 EN 60730-2-9	VDE*/ 40022995
Alternative	Foshan Gaoming Xite Electrical Co., Ltd	KSD301	AC250V, 10A, T185, 1E4, other same with above item.	EN 60730-1 EN 60730-2-9	VDE*/ 40004952
Alternative	Honest-Well Co.,Ltd	T24	AC250V, 10A/16A, T140/T210, 1E5, other same with above item.	EN 60730-1 EN 60730-2-9	ENEC/2242
Alternative	Haiyan City Meige Electrical Factory	KSD301	250V, 10A, 3E4, T220, other same with above item.	EN 60730-1 EN 60730-2-9	TUV*/ R50217952
Alternative	ZhongShan City ZhonAn Thermostat Co. Ltd	KSD301	AC 250V, 10A or 16A, 3E4, T270 for ceramic, T190 for bakelite, other same with above item.	EN 60730-1 EN 60730-2-9	TUV*/ R50259166
Alternative	Foshan Kai Ju Electric Appliance Co. Ltd.	KSD301	AC 250V, 10A or 16A, 10E4, T250 for ceramic, T150 for bakelite, other same with above item.	EN 60730-1 EN 60730-2-9	TUV*/ R50314978
Alternative	Anhui Huide Electronic Technology Co., Ltd.	K1, K2	AC 250V, 10A or 16A, 10E4, T250 for ceramic(K2), T180 for bakelite(K1), other same with above item.	EN 60730-1 EN 60730-2-9	TUV*/ R50609921
Self-resetting thermal cut-out	Ningbo Tongbao Huashuo Temp. Controller Co., Ltd	KSD301-V3	AC250V, 16A, T150, 1E4, operating temperature: 55°C for IFH04-30A-N, IFH04-33A-N 75°C for IFH04-30E, IFH04-33E, IFH04-25 80°C for IFH04-30B 85°C for IFH04-30, IFH04-33, IFH04-30A, IFH04-33A, IFH04-30-S, IFH04-33-S, IFH04-30A- N, IFH04-33A-N	EN 60730-1 EN 60730-2-9	VDE*/ 40019133
Alternative	Honest-Well Co.,Ltd	T24	AC250V, 16A, T140/T210, 1E4, other same with above item.	EN 60730-1 EN 60730-2-9	ENEC/2242
Alternative	Jiangsu Changheng (Group) Control Devices & Products Co., Ltd.	KSD-X	AC250V 16A, T140/T210, 1E4, other same with above item.	EN 60730-1 EN 60730-2-9	TUV/G10074 1718007
Alternative	ZhongShan City ZhonAn Thermostat Co. Ltd	KSD301	AC 250V, 16A, 3E4, T270 for ceramic, T190 for bakelite, other same with above item.	EN 60730-1 EN 60730-2-9	TUV*/ R50259166
Alternative	Foshan Kai Ju Electric Appliance Co. Ltd.	KSD301	AC 250V, 16A, 10E4, T250 for ceramic, T150 for bakelite, other same with above item.	EN 60730-1 EN 60730-2-9	TUV*/ R50314978

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Object / part No.	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity ¹⁾
Alternative	Anhui Huide Electronic Technology Co., Ltd.	K1, K2	AC 250V, 16A, 10E4, T250 for ceramic(K2), T180 for bakelite(K1), other same with above item.	EN 60730-1 EN 60730-2-9	TUV*/ R50609921
Self-resetting thermal cut-out for motor (YZF48213H YZF482175A)	Jiangsu Changsheng Electric Appliance Co. Ltd.	BR-B2D	AC250V, T150, operating temperature: 130°C	EN 60730-2-2 EN 60335-2-30	VDE*/ 132813 +Tested with Appliance
Self-resetting thermal cut-out for motor (YSK10-2)	Jiangsu Changsheng Electric Appliance Co. Ltd.	BR-A2D	AC250V, T150, operating temperature: 130°C	EN 60730-2-2 EN 60335-2-30	VDE*/ 40015893 +Tested with Appliance
Capacitor for motor(YSK10-2)	Cixi Xingfa Electrical Appliances Co. Ltd.	CBB61	AC450V, 50/60Hz, 25/070/21, 1μF	EN 60252-1	VDE*/400382 04
Self-resetting thermal control for delay function (optional)	Jiangsu Changheng (Group)control Devices & Products CO., Ltd	KSD	AC250V, 10A, T185, 35E3, operating temperature: 50°C	EN 60730-1 EN 60730-2-9	VDE*/ 40022995
Alternative	Foshan Gaoming Xite Electrical Co., Ltd	KSD301	AC250V, 10A, T185, 1E4, other same with above item.	EN 60730-1 EN 60730-2-9	VDE*/ 40004952
Alternative	Tongbao-Hualong Controls Co., Ltd.	KSD301	AC250V, 10A, T205, 1E4, other same with above item.	EN 60730-1 EN 60730-2-9	VDE*/ 40011625
Alternative	Haiyan City Meige Electrical Factory	KSD301	250V, 10A, 3E4, T220, other same with above item.	EN 60730-1 EN 60730-2-9	TUV*/ R50217952
Alternative	ZhongShan City ZhonAn Thermostat Co. Ltd	KSD301	AC 250V, 10A or 16A, 3E4, T270 for ceramic, T190 for bakelite, other same with above item.	EN 60730-1 EN 60730-2-9	TUV*/ R50259166
Alternative	Foshan Kai Ju Electric Appliance Co. Ltd.	KSD301	AC 250V, 10A or 16A, 10E4, T250 for ceramic, T150 for bakelite, other same with above item.	EN 60730-1 EN 60730-2-9	TUV*/ R50314978
Alternative	Anhui Huide Electronic Technology Co., Ltd.	K1, K2	AC 250V, 10A or 16A, 10E4, T250 for ceramic (K2), T180 for bakelite(K1), other same with above item.	EN 60730-1 EN 60730-2-9	TUV*/ R50609921
Voltage-maintained non-self-resetting thermal cut-outs(for IFH04-20 ,IFH04-22, IFH04-20-S, IFH04-22- S)	Foshan Tianpeng Thermostats Co., Ltd.	T5/33	AC 250V, 10A, 16A, 3E4, T180, operating temperature: 85°C	EN 60730-1 EN 60730-2-9	TUV*/ R50236764
Alternative	JIANGSU CHANGHENG GROUP CONTROL COMPONENT CO., LTD.	KSD303	AC 250V, 16A, T180, other same with above item.	EN 60730-1 EN 60730-2-9	TUV SUD*/B 041718 0014
Alternative	Tongbao-Hualong Controls Co., Ltd.	KSD307-T-G	AC 250V, 16A, 1E4, T280, other same with above item.	EN 60730-1 EN 60730-2-9	TUV*/ R50369684

Attachment to Certificate No.: 14HZH0396-07

Object / part No.	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity ¹⁾
Voltage-maintained non-self-resetting thermal cut-outs	Foshan Tianpeng Thermostats Co., Ltd.	T5/33	AC 250V, 16A, 3E4, T180, operating temperature: 55°C for IFH04-30A-N, IFH04-33A-N 75°C for IFH04-30E, IFH04-33E, IFH04-25 80°C for IFH04-30B 85°C for IFH04-30, IFH04-33, IFH04-30A, IFH04-33A, IFH04-30-S, IFH04-33-S, IFH04-30A- N, IFH04-33A-N	EN 60730-1 EN 60730-2-9	TUV*/ R50236764
Alternative	JIANGSU CHANGHENG GROUP CONTROL COMPONENT CO., LTD.	KSD303	AC 250V, 16A, T180, other same with above item.	EN 60730-1 EN 60730-2-9	TUV SUD*/ B 041718 0014
Alternative	Tongbao-Hualong Controls Co., Ltd.	KSD307-T-G	AC 250V, 16A, 1E4, T280, other same with above item.	EN 60730-1 EN 60730-2-9	TUV*/ R50369684
Manual-resetting thermal cut-out	ZhongShan City ZhonAn Thermostat Co. Ltd	KSD301	AC 250V, 10A or 16A, 10E3, T280, Tf150 for all modles, 10A only for the models with 2000W, 2200W	EN 60730-1 EN 60730-2-9	TUV*/ R50517792
Alternative	JIANGSU CHANGHENG GROUP CONTROL COMPONENT CO., LTD.	KSD-S	AC 250V, 16A, 10E3, T220 , other same with above item.	EN 60730-1 EN 60730-2-9	TUV SUD*/ B 041718 0014
Alternative	JIANGSU CHANGHENG GROUP CONTROL COMPONENT CO., LTD.	KSD-SC	AC 250V, 15A, 10E3, T160 , other same with above item.	EN 60730-1 EN 60730-2-9	TUV SUD*/ B 041718 0014
Alternative	Anhui Huide Electronic Technology Co., Ltd.	K3, K5	AC 250V, 10A or 16A, 10E3, T250 for ceramic(K5), T180 for bakelite(K3), other same with above item.	EN 60730-1 EN 60730-2-9	TUV*/ R50610602
TIMER(IFH04-30A-N, IFH04-33A-N)	Ningbo Tianling Electromechanical Co., Ltd.	DFJ-A	AC 250V, 15A, 1E4, T85	EN 60730-1 EN 60730-2-7	TUV*/ R 50317771
Heating tube (for IFH04-20,IFH04- 30,IFH04-22,IFH04-33, IFH04-20-S, IFH04-22- S, IFH04-30-S, IFH04- 33-S)	Cixi Wanlong Electrical Co., Ltd	--	AC220-240V or 230V, 50-60Hz, IFH04- 20, IFH04-20-S: 1000W*2 IFH04-22, IFH04-22-S: 1100W*2 IFH04-30,IFH04-30-S: 1000W*3 IFH04-33, IFH04-33-S: 1100W*3	EN 60335-2-30	Tested with appliance
Heating tube(for IFH04-30A, IFH04- 33A, IFH04-30A-N, IFH04-33A-N, IFH04- 30B, IFH04-30E, IFH04-33E, IFH04-25)	Cixi Wanlong Electrical Co., Ltd	--	AC220-240V or 230V, 50-60HZ IFH04-30A, IFH04-30B, IFH04-30E, IFH04-30A-N:1500W*2, IFH04-33A, IFH04-33E, IFH04-33A-N: 1650W*2 IFH04-25: 1250W*2	EN 60335-2-30	Tested with appliance

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Object / part No.	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity ¹⁾
Fan motor (for IFH04-20, IFH04-22, IFH04-30, IFH04-33, IFH04-20-S, IFH04-22-S, IFH04-30-S, IFH04-33-S)	Cixi Deying Motor Manufacture Co., Ltd	YZF48213H	AC220-240V or 230V, 50-60Hz Class120 IP44	EN 60335-2-30	Tested with appliance
Fan motor (IFH04-30A, IFH04-33A, IFH04-30B, IFH04-30E, IFH04-33E, IFH04-25, IFH04-30A-N, IFH04-33A-N)	Cixi Deying Motor Manufacture Co., Ltd	YZF482175A	AC220-240V or 230V, 50-60Hz, Class155, IP44	EN 60335-2-30	Tested with appliance
Fan motor (IFH04-30A-N, IFH04-33A-N)	Shengzhou Mige Motor Co.,Ltd	YSK10-2	AC220-240V or 230V, 50-60Hz, Class120, IP44, motor enclosure: BMC	EN 60335-2-30	Tested with appliance
Motor bobbin (IFH04-30A, IFH04-33A, IFH04-30B, IFH04-30E, IFH04-33E, IFH04-25)	E I Dupont DE Nemours & Co Inc	FR530	PET, V-0, Thickness min: 1,0mm RTI(155, 155, 155) E41938	EN 60335-2-30	Tested with appliance
Motor winding (IFH04-30A, IFH04-33A, IFH04-30B, IFH04-30E, IFH04-33E, IFH04-25)	Shanghai ASIA Pacific Electric Co.,Ltd.	MW79	Class 155 E214423	EN 60335-2-30	Tested with appliance
Motor cable	Yuyao Jingyi Electronics Co., Ltd	H03VV-F H03V2V2-F H05V2V2-F	3X0,5mm ²	EN 60335-2-30	Tested with appliance
Alternative	Ningbo Linsheng Electric Co.,Ltd	H03VV-F	3X0,5 mm ²	EN 50525-2-11	VDE*/ 134675
Alternative	Cixi Shitong Cable & Wire Co.,Ltd	H03VV-F	3X0,5 mm ²	EN 50525-2-11	VDE*/ 40025863
Alternative	Zhejiang Jintong Nuclear Cable Co.,Ltd.	H03VV-F	3X0,5 mm ²	EN 50525-2-11	VDE*/ 40013419
Alternative	Ningbo Dunyuan Rubber Cable Factory	H03VV-F	3X0,5 mm ²	EN 50525-2-11	VDE*/ 40024295
Alternative	Ningbo JinTing Nuclear Cable Co., Ltd	H03VV-F	3X0,5 mm ²	EN 50525-2-11	VDE*/ 40033767
Alternative	Yuyao Lanteng Electrical Appliances Co.,Ltd.	H03VV-F	3X0,5 mm ²	EN 50525-2-11	TUV*/ R50549661
Internal Wire	Jiangyin Qingyang Rubber Plastic Products Factory	H05SJ-K H05S-K	T180 1,0-1,5 mm ² for 3000W, 3300W , 2500W, 0,75-1,0 mm ² for 2000W, 2200W	VDE 0282-3	VDE*/ 40015714
Alternative	Jiangyin Haocheng Electrical Appliances Wire & Cable Co., Ltd.	H05SJ-K H05S-K	T180 1,0-1,5 mm ² for 3000W, 3300W , 2500W, 0,75-1,0 mm ² for 2000W, 2200W	VDE 0282-3	VDE*/ 40017754
Alternative	Jiangyin Tianqi Silicone Rubber Products Co., Ltd	H05SJ-K H05S-K	T180 1,0-1,5 mm ² for 3000W, 3300W , 2500W, 0,75-1,0 mm ² for 2000W, 2200W	VDE 0282-3	VDE*/ 40017265
Alternative	Cixi Shuang Hong wire Co.,Ltd	H05SJ-K H05S-K	T180 1,0-1,5 mm ² for 3000W, 3300W , 2500W, 0,75-1,0 mm ² for 2000W, 2200W	VDE 0282-3	VDE* / 40017324
Heat shrinkable tube	SHENZHEN WOER HEAT-SHRINKABLE MATERIAL CO LTD	RSFR-H	600V 125°C (E203950)	EN 60335-2-30	Tested with appliance

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Object / part No.	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity ¹⁾
Bobbin of fan motor	Cixi City Hongyi Temperature Controller Factory	PA	Thickness: min. 1mm	EN 60335-2-30	Tested with appliance
Thermostat and switch knob plastic	Cixi City Hongyi Temperature Controller Factory	PP	Thickness: min. 1mm	EN 60335-2-30	Tested with appliance
Timer knob plastic	Cixi City Hongyi Temperature Controller Factory	PP	Thickness: min. 1mm	EN 60335-2-30	Tested with appliance
Handle plastic	Cixi City Hongyi Temperature Controller Factory	PP	Thickness: min. 2mm Black/ White	EN 60335-2-30	Tested with appliance
Metal enclosure	Cixi City Hongyi Temperature Controller Factory	Fe	Thickness: min. 0,8mm	EN 60335-2-30	Tested with appliance
Wire connector for IFH04-30A-N, IFH04- 33A-N	Heavy Power Co.Ltd	CE2 CE5	300V, Min 2,5 mm	EN 60335-2-30	Tested with appliance
¹⁾ An asterisk indicates a mark which assures the agreed level of surveillance.					
²⁾ All PAHS parts refer to PAH evaluation report 200400507HZH-001-PAH,					

Modification Summary

The following changes have been made to this CDF:

Date	Local Project no.	Description of Change
2014-04-24	140300148HZH	- Added new model IFH04-33E, IFH04-30E, IFH04-25, details refer to general product information; - Added critical components for new models. - Update all component certificates and component standards.
2015-05-06	150400110HZH	- Updated standard "EN 60335-1:2012" to "EN 60335-1:2012+AC: 2014+ A11: 2014 " - Added two models: IFH04-30A-N, IFH04-33A-N, and relative Components - deleted alternative Plug, Supply cord, Self-resetting thermal cut-out
2015-06-05	150600157HZH	Added the missing wire connector for IFH04-30A-N, IFH04-33A-N
2016-02-25	160200086HZH	Updated the certificate of timer.
2016-07-14	160700353HZH	- For IFH04-30A and IFH04-33A, exchange the position of rotary switch and thermostat, Updated related photos. - Updated all components certificates.
2017-07-31	170500344HZH	- Added alternative power rating for IFH04-30E - Added alternative Plug only used for UK (for not more than 3000W), Supply cord, Rotary Switch, Self-resetting thermal cut-out. - Added alternative with anti Overturn Switch structure for IFH04-30E (optional)
2017-08-21	170800477HZH	Added alternative supply cord.
2020-04-21	200400507HZH	- Updated standard "EN 60335-1:2012+AC: 2014+ A11: 2014" to "EN 60335-1:2012 + AC:2014 + A11:2014 + A13:2017 + A1:2019 + A14:2019 + A2:2019" - Revised the rating from IP44 to IP24. - Deleted S mark and invalid plug, supply cord. added alternative plug, supply cord. - PAH updated.
2020-06-22	200600697HZH	Added alternative plug, model FY003-F manufactured by Ningbo JinTing Nuclear Cable Co., Ltd.
2020-07-24	200700540HZH	- Added alternative motor cable manufactured by Ningbo JinTing Nuclear Cable Co., Ltd. - Revised the type error of plug for Yuyao Jingyi Electronics Co., Ltd, from JY-03F to JY03-F - Revised the description for Plug for UK.

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Date	Local Project no.	Description of Change
2021-12-06	211100536HZH	- Revised the fan motor description of YZF482175A, Added IFH04-30A-N, IFH04-33A-N. - Revised the general product information.
2023-01-11	221100820HZH	- Updated standard "EN 60335-1:2012 + AC:2014 + A11:2014 + A13:2017 + A1:2019 + A14:2019 + A2:2019" to "EN 60335-1:2012 + AC:2014 + A11:2014 + A13:2017 + A1:2019 + A14:2019 + A2:2019+A15:2021", from "EN 60335-2-30:2009 + A11: 2012" to "EN 60335-2-30:2009 + A11: 2012+A1:2020+A12:2020" - Added alternative power plug, supply cord, thermostat, rotary switch, self-resetting thermal cut-out. - Deleted thermostat, model JU-2 manufactured by Cixi Xinyi Thermal Appliance Co., Ltd. - Deleted rotary switch, model XK-2 manufactured by Cixi Zhonglin Electric Appliances Co. Ltd. Model XK1-233 manufactured by Cixi Biege Electrical Appliance Co., Ltd - Added voltage-maintained non-self-resetting thermal cut-out, manual-resetting thermal cut out. - Updated the certificate for related components. - Add alternative rating "230V" for Heating tube and Fan motor.
2024-04-01	240200295HZH	- Updated the standard from EN 60335-2-30:2009 + A11: 2012+A1:2020+A12:2020, EN 60335-1:2012+A11:2014+A13:2017+A1:2019+ A2:2019+ A14:2019+A15:2021 to EN 60335-2-30:2009 + A11: 2012+A1:2020+A12:2020+A2:2022+A13:2022, EN 60335-1:2012+A11:2014+A13:2017+A1:2019+ A2:2019+ A14:2019+A15:2021+A16:2023 - Revised operating temperature of thermostat from 85°C to 85-120°C. - Added alternative self-resetting thermal cut-out, model K1, K2, manual-resetting thermal cut-out, model K3, K5.

This CDF replaces previously issued CDF dated 2023-01-30.

Signed



M.Sc. Qiao Qiao

Date 2024-04-07