

## CERTIFICATE

**PRÜFBESCHEINIGUNG NACH DEM PRODUKTSICHERHEITSGESETZ**  
(TEST CERTIFICATE IN COMPLIANCE WITH THE PRODUCT SAFETY LAW)

Bescheinigungs-Nr. (Certificate No.): **15HZH0699-02**

Gültig bis (valid until): **2023-10-08**

**Das Produkt entspricht den Anforderungen des Produktsicherheitsgesetzes (ProdSG) § 21 (1) hinsichtlich der Gewährleistung von Sicherheit und Gesundheit und entspricht den derzeit anerkannten Regeln der Technik. Die Kennzeichnungspflichten des Produktes gemäß §6 ProdSG sind einzuhalten.**

(The product is in compliance with the judicial requirements of the Product Safety Law (ProdSG) § 21 (1) and the currently accepted rules of technology. The marking requirements of the product based on §6 ProdSG have to be observed)

Bescheinigungsinhaber  
(Certificate Holder)

**Cixi City Hengjin Electron Co., Ltd.**  
**No.100, Haiwei Avenue, Guanhaiwei Town**  
**Cixi Ningbo, Zhejiang**  
**P. R. China**

Markenname (Brandname)

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Fertigungsstätte  
(Manufacturing Site)

**Cixi City Hengjin Electron Co., Ltd.**  
**No.100, Haiwei Avenue, Guanhaiwei Town**  
**Cixi Ningbo, Zhejiang**  
**P. R. China**

Produkt  
(Product)

**Heizlüfter für den Hausgebrauch**  
**Fan heater for household use**

Typbezeichnung  
(Type)

**D090FT, D090FT-G, D150FT, D150FT-G**

Beschreibung  
(Description)

**400V, 3N~, 50Hz, Schutzklasse I (Class I), IP24,**  
**D090FT, D090FT-G: 9000W; D150FT, D150FT-G: 15000W**

Prüfbericht-Nr.  
(Test Report No.)

**140900434HZH-001:2015-04-30**  
**140900434HZH-EMF1:2015-01-28**

**Einzelheiten siehe Anhang (Details see attachment)**

Geprüft nach  
(Tested according to)

**EN 62233:2008**  
**EN 60335-2-30:2009+A11:12**  
**PAK-Anforderung für GS (PAH requirement for GS) AfPS GS 2014:01 PAK**  
**EN 60335-1:2012+AC:14+A11:14+A13:17**

Ersetzt Zertifikat (Replaces certificate) **15HZH0699-01**



**Intertek Deutschland GmbH**  
**M.Eng. Gary Hu**  
**Datum (Date): 2018-10-09**



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Dem Zertifikat liegen die Allgemeinen Geschäftsbedingungen der Intertek Deutschland GmbH zu Grunde.  
The General Business Conditions of Intertek Deutschland GmbH is an integral part of this certificate.

**Intertek Deutschland GmbH, Stangenstraße 1, 70771 Leinfelden-Echterdingen**  
**Tel.: +49 711 27311-0 E-Mail: gs@intertek.com web: www.intertek.de/zeichen**

## Hinweise

Der Bescheinigungsinhaber bzw. sein für die Herstellung Verantwortlicher verpflichtet sich, sein Produkt in Übereinstimmung mit dem geprüften Baumuster herzustellen, die Festlegungen zur Bereitstellung von Produkten auf dem Markt nach § 3 und § 6 ProdSG einzuhalten und Intertek Kontrollmaßnahmen zur Überwachung der Herstellung und rechtmäßigen Verwendung des GS-Zeichens nach § 22 Abs. 1 ProdSG zu ermöglichen. Am Produkt oder in der zugehörigen Dokumentation sind der Name und die Kontaktanschrift des Herstellers oder – sofern dieser nicht im europäischen Wirtschaftsraum ansässig ist – des Bevollmächtigten oder des Einführers in den europäischen Wirtschaftsraum gemäß § 6 Abs. 1 Ziff. 2 ProdSG anzugeben. Diese Baumusterprüfbescheinigung berechtigt den Bescheinigungsinhaber alle mit dem oben bezeichneten Baumuster identischen Geräte mit dem abgebildeten GS Zeichen zu versehen.

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## Notes

The certificate holder or his designated representative commit themselves to manufacture the product in accordance with the tested samples to meet the requirements on providing products in the market according to § 3 and § 6 ProdSG and to enable Intertek to monitor the manufacturing process and the lawful use of the GS certification according to § 22 Para 1 ProdSG. The name and the contact address of the manufacturer or – if the manufacturer is not based in the European Economic Area – of the Importer to the European Economic Area or his representative have to be applied at the product or the documentation according to § 6 (1) 2. ProdSG. This type examination certificate entitles the certificate holder to mark all devices that are identical to the above-designated sample with the logo as shown below.

This certificate becomes invalid if the holder does not meet the commitments described above or the requirements according to § 21 of the ProdSG are changed.

This Certificate is for the exclusive use of Intertek's client and is provided pursuant to the certification agreement between Intertek and its client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this certificate. Only the Client is authorized to permit copying or distribution of this certificate and then only in its entirety. Use of Intertek's certification mark is restricted to the conditions laid out in the agreement. Any further use of the Intertek name for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. Initial Factory Assessments and Follow up Services are for the purpose of assuring appropriate usage of the certification mark in accordance with the agreement, they are not for the purposes of complete production quality control in the manufacturers responsibility and do not relieve the Client of their obligations in this respect.

Attachment to Certificate No.: 15HZH0699-02

## Constructional Data Form (CDF)

|                                  |   |
|----------------------------------|---|
| <i>Certificate Holder:</i>       | <b>Cixi City Hengjin Electron Co., Ltd.<br/>No.100, Haiwei Avenue, Guanhaiwei Town<br/>Cixi Ningbo, Zhejiang<br/>P. R. China</b>  |
| <i>Manufacturing Site:</i>       | <b>Cixi City Hengjin Electron Co., Ltd.<br/>No.100, Haiwei Avenue, Guanhaiwei Town<br/>Cixi Ningbo, Zhejiang<br/>P. R. China</b>  |
| <i>Product:<br/>(in German)</i>  | <b>Heizlüfter für den Hausgebrauch</b>  |
| <i>Product:<br/>(in English)</i> | <b>Fan heater for household use</b>   |
| <i>Type:</i>                     | <b>D090FT, D090FT-G, D150FT, D150FT-G</b>   |
| <i>Brandname:</i>                | <b>---</b>  |
| <i>Description:</i>              | <b>400V, 3N~, 50Hz, Class I, IP24,<br/>D090FT, D090FT-G: 9000W; D150FT, D150FT-G: 15000W</b>  |
| <i>Test Report No.:</i>          | <b>140900434HZH-001:2015-04-30<br/>140900434HZH-001+A1:2017-05-16<br/>140900434HZH-001+A2:2018-08-22<br/>140900434HZH-EMF1:2015-01-28<br/>140900434HZH-EMF1+A1:2018-08-30</b> |
| <i>Tested according to:</i>      | <b>EN 62233:2008<br/>EN 60335-2-30:2009+A11:12<br/>PAK-Anforderung für GS (PAH requirement for GS) AfPS GS 2014:01 PAK<br/>EN 60335-1:2012+AC:14+A11:14+A13:17</b>            |
| <i>Valid until:</i>              | <b>2023-10-08</b>   |
| <i>Issued on:</i>                | <b>2018-10-09</b>   |



Attachment to Certificate No.: 15HZH0699-02

**Product Information:**

General product information


The appliances covered in this report are fan heaters for household in indoor use with sheathed heating tube as heating elements. A thermostat and a switch control the heater and incorporated a time-delayed thermostat and a self-reset thermal cut-out for safeguard.

D090FT and D090FT-G are same except D090FT-G incorporated an elastic duct, refer to photo in the report. Same as D150FT and D150FT-G.

D090FT and D150FT share similar construction except the different size, fan motor and heating tubes.

Copy of marking plate (representative)

**D090FT**  
**400V, 3N~, 50Hz, IP24, 9000W**



**Cixi City Hengjin Electron Co.,Ltd.**

**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.

**Product Pictures**



**List of Critical Components**

| Object / part No.         | Manufacturer/ trademark                    | Type / model | Technical data                            | Standard                                     | Mark(s) of conformity <sup>1)</sup>         |
|---------------------------|--|--------------|---|--|---|
| Plug for D090FT, D090FT-G | Zhejiang Fly Dragon Electric Co., Ltd.     | FNP2-015     | AC 346/415V 16A; IP44; 3P+N+PE Red+ White | EN 60309-1<br>EN 60309-2 AfPS GS 2014:01 PAK | S*/ 1810495+<br>Tested with appliance       |
| - Alternative             | Ningbo Znpou Electrical Appliance Co., Ltd | P14541       | AC 415V; 16A; IP44; 3P+N+PE, Red+ Grey    | EN 60309-1<br>EN 60309-2 AfPS GS 2014:01 PAK | S*/ 807534+<br>Tested with appliance        |
| - Alternative             | Cixi City Baiming Plastic Products Factory | BMP2-015     | AC 415V, 16A, IP44, 3P+N+E Red+ White     | EN 60309-1<br>EN 60309-2 AfPS GS 2014:01 PAK | TUV RH*/ 50223575+<br>Tested with appliance |



## Attachment to Certificate No.: 15HZH0699-02

| Object / part No.                       | Manufacturer/<br>trademark                           | Type / model | Technical data  | Standard  | Mark(s) of<br>conformity <sup>1)</sup>            |
|---|--|--------------|---|---|---|
| Plug for D150FT,<br>D150FT-G            | Zhejiang Fly Dragon<br>Electric Co., Ltd.            | FNP2-025     | AC 346/415V 32A; IP44;<br>3P+N+PE Red+ White  | EN 60309-1<br>EN 60309-2 AfPS GS<br>2014:01 PAK | S*/ 1810495+<br>Tested with<br>appliance          |
| - Alternative                           | Ningbo Znpou Electrical<br>Appliance Co., Ltd        | P34541       | AC 415V; 32A; IP44;<br>3P+N+PE, Red+ Grey   | EN 60309-1<br>EN 60309-2 AfPS GS<br>2014:01 PAK | S*/ 904550+<br>Tested with<br>appliance           |
| - Alternative                           | Cixi City Baiming Plastic<br>Products<br>Factory     | BMP2-025     | AC 415V, 32A, IP44,<br>3P+N+E Red+ White  | EN 60309-1<br>EN 60309-2 AfPS GS<br>2014:01 PAK | TUV RH*/<br>50223575+<br>Tested with<br>appliance |
| Supply cord for<br>D090FT, D090FT-<br>G | Ningbo Xuanhua Electric<br>Co.,Ltd.                  | H07RN-F      | 5G1,5mm <sup>2</sup> or 5G2,5mm <sup>2</sup><br>with yellow/green<br>conductor<br>(1m ≤ cord length ≤1,9m)<br>Black | DIN EN 50525-2-21<br>AfPS GS 2014:01<br>PAK     | VDE*/<br>40037611+<br>Tested with<br>appliance    |
| - Alternative                           | Ningbo Huashun<br>Electronics Co., Ltd.              | H07RN-F      | 5G1,5mm <sup>2</sup> or 5G2,5mm <sup>2</sup><br>with yellow/green<br>conductor<br>(1m ≤ cord length ≤1,9m)<br>Black | DIN EN 50525-2-21<br>AfPS GS 2014:01<br>PAK     | VDE*/4001408<br>2+ Tested with<br>appliance       |
| - Alternative                           | Yuyao Jingyi Electronics<br>Co., Ltd.                | H07RN-F      | 5G1,5mm <sup>2</sup> or 5G2,5mm <sup>2</sup><br>with yellow/green<br>conductor<br>(1m ≤ cord length ≤1,9m)<br>Black | DIN EN 50525-2-21<br>AfPS GS 2014:01<br>PAK     | VDE*/4001735<br>6+ Tested with<br>appliance       |
| - Alternative                           | Shanghai Shujie Cable &<br>Wire Co., Ltd.            | H07RN-F      | 5G1,5mm <sup>2</sup> or 5G2,5mm <sup>2</sup><br>with yellow/green<br>conductor<br>(1m ≤ cord length ≤1,9m)<br>Black | DIN EN 50525-2-21<br>AfPS GS 2014:01<br>PAK     | VDE*/4001650<br>6+ Tested with<br>appliance       |
| - Alternative                           | Ningbo Huangtai<br>Industrial Co., Ltd.              | H07RN-F      | 5G1,5mm <sup>2</sup> or 5G2,5mm <sup>2</sup><br>with yellow/green<br>conductor<br>(1m ≤ cord length ≤1,9m)<br>Black | DIN EN 50525-2-21<br>AfPS GS 2014:01<br>PAK     | VDE*/4002791<br>1+ Tested with<br>appliance       |
| - Alternative                           | NINGBO HONGYI<br>ELECTRONICS<br>TECHNOLOGY CO., LTD. | H07RN-F      | 5G1,5mm <sup>2</sup> or 5G2,5mm <sup>2</sup><br>with yellow/green<br>conductor<br>(1m ≤ cord length ≤1,9m)<br>Black | DIN EN 50525-2-21<br>AfPS GS 2014:01<br>PAK     | VDE*/4002636<br>7+ Tested with<br>appliance       |
| - Alternative                           | Ningbo jiajie electronic<br>Co.,Ltd                  | H07RN-F      | 5G1,5mm <sup>2</sup> or 5G2,5mm <sup>2</sup><br>with yellow/green<br>conductor<br>(1m ≤ cord length ≤1,9m)<br>Black | DIN EN 50525-2-21                               | VDE*/<br>40034294                                 |
| Supply cord for<br>D150FT,<br>D150FT-G  | Ningbo Xuanhua Electric<br>Co.,Ltd.                  | H07RN-F      | 5G2,5mm <sup>2</sup> with<br>yellow/green conductor<br>(1m ≤ cord length ≤1,9m)<br>Black                            | DIN EN 50525-2-21<br>AfPS GS 2014:01<br>PAK     | VDE*/4003630<br>6+ Tested with<br>appliance       |
| - Alternative                           | Ningbo Huashun<br>Electronics Co., Ltd.              | H07RN-F      | 5G2,5mm <sup>2</sup> with<br>yellow/green conductor<br>(1m ≤ cord length ≤1,9m)<br>Black                            | DIN EN 50525-2-21<br>AfPS GS 2014:01<br>PAK     | VDE*/4001408<br>2+ Tested with<br>appliance       |
| - Alternative                           | Yuyao Jingyi Electronics<br>Co., Ltd.                | H07RN-F      | 5G2,5mm <sup>2</sup> with<br>yellow/green conductor<br>(1m ≤ cord length ≤1,9m)<br>Black                            | DIN EN 50525-2-21<br>AfPS GS 2014:01<br>PAK     | VDE*/4001735<br>6+ Tested with<br>appliance       |

Attachment to Certificate No.: 15HZH0699-02

| Object / part No.                                    | Manufacturer/<br>trademark                       | Type / model  | Technical data  | Standard                              | Mark(s) of<br>conformity <sup>1)</sup>   |
|--|--|---------------|---|---------------------------------------|--|
| - Alternative  | Shanghai Shujie Cable & Wire Co., Ltd.           | H07RN-F       | 5G2,5mm <sup>2</sup> with yellow/green conductor (1m ≤ cord length ≤1,9m) Black | DIN EN 50525-2-21 AfPS GS 2014:01 PAK | VDE*/4001650<br>6+ Tested with appliance |
| - Alternative  | Ningbo Huangtai Industrial Co., Ltd.             | H07RN-F       | 5G2,5mm <sup>2</sup> with yellow/green conductor (1m ≤ cord length ≤1,9m) Black | DIN EN 50525-2-21 AfPS GS 2014:01 PAK | VDE*/4002791<br>1+ Tested with appliance |
| - Alternative  | NINGBO HONGYI ELECTRONICS TECHNOLOGY CO., LTD    | H07RN-F       | 5G2,5mm <sup>2</sup> with yellow/green conductor (1m ≤ cord length ≤1,9m) Black | DIN EN 50525-2-21 AfPS GS 2014:01 PAK | VDE*/4002636<br>7+ Tested with appliance |
| - Alternative  | Ningbo jiajie electronic Co.,Ltd                 | H05RN-F       | 5G2,5mm <sup>2</sup> with yellow/green conductor (1m ≤ cord length ≤1,9m) Black | DIN EN 50525-2-21                     | VDE*/40034294                            |
| Rotary switch  | Ningbo Soken Electrical Co., Ltd.                | RT2           | AC250V, 10E3, T100,16A  | EN 61058-1                            | VDE*/4001504<br>9                        |
| - Alternative  | Cixi Biege Electrical Appliance Co.,Ltd          | XX1-233       | AC250V, 10E3, T125,16A,   | EN 61058-1                            | TUV*/ B<br>090361954014                  |
| - Alternative  | CixiXinyiThermal Appliance CO.,Ltd               | Ros 16        | AC250V, 10E3, 16A, T125   | EN 61058-1                            | TUV RH*/<br>50198665                     |
| -Alternative   | Yuyao Keyuan Electrical Appliances Co.,Ltd       | KRS2          | AC250V, 10E3, 15A, T125   | EN 61058-1                            | S*/ 1615256                              |
| Thermostat   | Zhejiang Zhongyan Thermostat Co.,Ltd             | WK-R11        | AC400V, 16A, Tf40, T85, 3E4   | EN 60730-1<br>EN 60730-2-9            | VDE*/4003933<br>8                        |
| - Alternative  | Foshan Tongbao Co.,Ltd                           | ZA40-550-12A  | AC400V, 15A, Tf40, T110, 10E4   | EN 60730-1<br>EN 60730-2-9            | VDE*/4001439<br>1                        |
| - Alternative  | Foshan Tongbao Co.,Ltd                           | WY40B         | AC250V, 16A, Tf40, T120, 10E4   | EN 60730-1<br>EN 60730-2-9            | VDE*/4001227<br>3                        |
| - Alternative  | Zhejiang Zhongyan Thermostat Co.,Ltd             | WK-R1* XK     | AC250V, 16A, T85, 5E4, Tf40   | EN 60730-1<br>EN 60730-2-9            | VDE*/4003920<br>5                        |
| - Alternative  | Jiujiang Hengtong Autocontrol Device Co.,Ltd     | WY40C         | AC400V, 16A, T125, 1E5, Tf40  | EN 60730-1<br>EN 60730-2-9            | VDE*/4001961<br>5                        |
| - Alternative  | Chung Shun Industrial co.                        | CH-010        | AC250V, 16A, T125, 1E5, Tf40  | EN 60730-1<br>EN 60730-2-9            | VDE*/4002695<br>8                        |
| Self -resetting thermal cut-out for D090FT, D090FT-G | Ningbo Yuanfang Thermostats Co., Ltd.            | KSD301A-A324C | AC250V, 16A, Tf60 T200, 10E4  | EN 60730-1<br>EN 60730-2-9            | VDE*/4002269<br>6                        |
| - Alternative  | Tongbao-Hualong Controls Co.,Ltd                 | KSD301        | AC250V, 16A, Tf60 T185, 6E4   | EN 60730-1<br>EN 60730-2-9            | TUV RH*/<br>50132764                     |
| - Alternative  | Ningbo Tongbao Huashuo Temp Controller Co., Ltd. | KSD301-V3     | AC250V, 16A, T210, 3E4, Tf60  | EN60730-1<br>EN60730-2-9              | VDE*/4001913<br>3                        |
| - Alternative  | Ningbo Tongbao Huashuo Temp Controller Co., Ltd. | KSD301        | AC250V, 16A, T210, 10E4, Tf60   | EN60730-1<br>EN60730-2-9              | TUV RH*/<br>50192704                     |
| - Alternative  | Dongguan KAIN Electronic SCI&Tech Co.,Ltd        | KI31XXXB      | AC250V, 16A, T150 3E4, Tf60   | EN 60730-1<br>EN 60730-2-9            | TUV SUD*/<br>B13048427800<br>1           |
| -Alternative   | Zettler Controls (Ningbo) Co., Ltd               | KSD301A-A     | AC250V, 16A, T160, 10E4, Tf60   | EN 60730-1<br>EN 60730-2-9            | TUV RH*/<br>50308437                     |
| Self -resetting thermal cut-out for D150FT, D150FT-G | Ningbo Yuanfang Thermostats Co., Ltd.            | KSD301A-A324C | AC250V, 16A, Tf55 T200, 10E4  | EN 60730-1<br>EN 60730-2-9            | VDE*/4002269<br>6                        |
| - Alternative  | Tongbao-Hualong Controls Co.,Ltd                 | KSD301        | AC250V, 16A, Tf55 T185, 6E4   | EN 60730-1<br>EN 60730-2-9            | TUVRH*/<br>50132764                      |

Attachment to Certificate No.: 15HZH0699-02

| Object / part No.                         | Manufacturer/<br>trademark                                      | Type / model        | Technical data                                  | Standard                   | Mark(s) of<br>conformity <sup>1)</sup> |
|---|---|---------------------|---|----------------------------|--|
| - Alternative                             | Ningbo Tongbao<br>Huashuo Temp<br>Controller Co., Ltd.          | KSD301-V3           | AC250V, 16A, T210,<br>3E4,Tf55                  | EN60730-1<br>EN60730-2-9   | VDE*/4001913<br>3                      |
| - Alternative                             | Ningbo Tongbao<br>Huashuo Temp<br>Controller Co., Ltd.          | KSD301              | AC250V, 16A, T210,<br>10E4,Tf55                 | EN60730-1<br>EN60730-2-9   | TUVRH*/<br>50192704                    |
| - Alternative                             | Dongguan KAIN<br>Electronic SCI&Tech<br>Co.,Ltd                 | KI31XXXB            | AC250V, 16A, T150 3E4,<br>Tf55                  | EN 60730-1<br>EN 60730-2-9 | TUV SUD*/<br>B13048427800<br>1         |
| -Alternative                              | Zettler Controls (Ningbo)<br>Co., Ltd                           | KSD301A-A           | AC250V, 16A, T160,<br>10E4, Tf55                | EN 60730-1<br>EN 60730-2-9 | TUV RH*/<br>50308437                   |
| Time-delayed<br>thermostat                | Ningbo Yuanfang<br>Thermostats Co., Ltd.                        | KSD301A-<br>A324C   | AC250V, 16A, T200, Tf40,<br>10E4                | EN 60730-1<br>EN 60730-2-9 | VDE*/4002269<br>6                      |
| - Alternative                             | Ningbo Tongbao<br>Huashuo Temp<br>Controller Co., Ltd.          | KSD301<br>KSD301-V3 | AC250V, 10A, T210, 10E4<br>Tf40                 | EN60730-1<br>EN60730-2-9   | VDE*/4001913<br>3                      |
| - Alternative                             | Therm-O-Disc Europe<br>B.V.                                     | 36TE12              | AC250V, 10A, Tf40, 1E4,<br>T190                 | EN 60730-1<br>EN 60730-2-9 | VDE*/4001257<br>5                      |
| - Alternative                             | Tongbao-Hualong<br>Controls Co.,Ltd.                            | KSD301-V            | AC250V, 10A, Tf40, 1E4,<br>T185                 | EN 60730-1<br>EN 60730-2-9 | VDE*/4001162<br>5                      |
| - Alternative                             | Tongbao-Hualong<br>Controls Co.,Ltd                             | KSD301              | AC250V, 10A, Tf40, T205,<br>10E4                | EN 60730-1<br>EN 60730-2-9 | TUV RH*/<br>50128628                   |
| - Alternative                             | Tongbao-Hualong<br>Controls Co.,Ltd                             | KSD301              | AC250V, 16A, Tf40, T185,<br>6E4                 | EN 60730-1<br>EN 60730-2-9 | TUV RH*/<br>50132764                   |
| - Alternative                             | Ningbo Tongbao<br>Huashuo Temp<br>Controller Co., Ltd.          | KSD301              | AC250V, 10A, T210, 10E4<br>Tf40                 | EN60730-1<br>EN60730-2-9   | TUV RH*/<br>50192704                   |
| - Alternative                             | Dongguan KAIN<br>Electronic SCI&Tech<br>Co.,Ltd                 | KI31XXXB            | AC250V, 16A, T150 3E4,<br>Tf40                  | EN 60730-1<br>EN 60730-2-9 | TUV SUD*/<br>B13048427800<br>1         |
| -Alternative                              | Zettler Controls (Ningbo)<br>Co., Ltd                           | KSD301A-A           | AC250V, 16A, T160,<br>10E4, Tf40                | EN 60730-1<br>EN 60730-2-9 | TUV RH*/<br>50308437                   |
| Capacitor for<br>D090FT, D090FT-<br>G     | Zhejiang Wufeng Electric<br>Co.,Ltd                             | CBB61               | AC500V, 50/60Hz,<br>40/70/21, 3μF, P0           | EN 60252-1                 | VDE*/4000153<br>0                      |
| - Alternative                             | Zhejiang Yuwang Electric<br>Appliance Co.,Ltd                   | CBB61               | AC500V, 50/60Hz,<br>40/70/21, 3μF, P0           | EN 60252-1                 | TUV RH*/<br>50051386                   |
| - Alternative                             | NINGGUO HUILI ELECTRIC<br>CO., LTD                              | CBB61               | AC450V,3μF, 50/60HZ,<br>40/85/21, P2            | EN 60252-1                 | TUV R<br>50280012                      |
| - Alternative                             | Foshan shunde Hongye<br>Electrical Appliance<br>Co.,Ltd         | CBB61               | AC450V,3μF, 50/60HZ,<br>40/105/21, S3           | EN 60252-1                 | TUV*/ R<br>50281536 0002               |
| Capacitor for<br>D150FT, D150FT-<br>G     | Zhejiang Wufeng Electric<br>Co.,Ltd                             | CBB61               | AC500V, 50/60Hz,<br>40/70/21, 4μF, P0           | EN 60252-1                 | VDE*/4000153<br>0                      |
| - Alternative                             | Zhejiang Yuwang Electric<br>Appliance Co.,Ltd                   | CBB61               | AC500V, 50/60Hz,<br>40/70/21, 4μF, P0           | EN 60252-1                 | TUV RH*/<br>50051386                   |
| - Alternative                             | NINGGUO HUILI ELECTRIC<br>CO., LTD                              | CBB61               | AC450V,4μF, 50/60HZ,<br>40/85/21, P2            | EN 60252-1                 | TUV R<br>50280012                      |
| - Alternative                             | Foshan shunde Hongye<br>Electrical Appliance Co.,<br>Ltd        | CBB61               | AC450V,4μF, 50/60HZ,<br>40/105/21, S3           | EN 60252-1                 | TUV*/ R<br>50281536 0002               |
| Internal wire for<br>D090FT, D090FT-<br>G | JiangYin Haocheng<br>Electrical Appliances &<br>Cabble Co. Ltd. | H05SJ-K             | T180, 1,5 mm <sup>2</sup> or 2,5mm <sup>2</sup> | EN 50525-2-41              | VDE*/4001775                           |
| - Alternative                             | Jiang Yin Tianqi Silicone<br>Rubber Products Co., Ltd.          | H05SJ-K             | T180, 1,5 mm <sup>2</sup> or 2,5mm <sup>2</sup> | EN 50525-2-41              | VDE*/4001726<br>5                      |



Attachment to Certificate No.: 15HZH0699-02

| Object / part No.                                      | Manufacturer/<br>trademark   | Type / model         | Technical data   | Standard                    | Mark(s) of<br>conformity <sup>1)</sup> |
|--|--|----------------------|--|-----------------------------|--|
| - Alternative  | Dong Guan Nistar<br>Transmitting Technology<br>Co.,Inc.              | H05SJ-K              | T180, 1,5 mm <sup>2</sup> or 2,5mm <sup>2</sup>          | EN 50525-2-41               | VDE*/4001757<br>0                      |
| - Alternative  | JIANGYIN ZHIJUN<br>APPLIANCE ELECTRIC<br>CABLE AND WIRE CO.,<br>LTD. | H05SJ-K              | T180, 1,5 mm <sup>2</sup> or 2,5mm <sup>2</sup>          | EN 50525-2-41               | VDE*/4001571<br>4                      |
| - Alternative  | Cixi Jiangyuan Power<br>Cord Co.,Ltd.                                | H05SJ-K              | T180, 1,5 mm <sup>2</sup> or 2,5mm <sup>2</sup>          | EN 50525-2-41               | VDE*/4003108<br>0                      |
| Internal wire for<br>D150FT, D150FT-<br>G              | JiangYin Haocheng<br>Electrical Appliances<br>&Cabble Co.Ltd.        | H05SJ-K              | T180, 1,5 mm <sup>2</sup> and<br>2,5mm <sup>2</sup>      | EN 50525-2-41               | VDE*/4001775<br>4                      |
| - Alternative  | Jiang Yin Tianqi Silicone<br>Rubber Products Co., Ltd.               | H05SJ-K              | T180, 1,5 mm <sup>2</sup> and<br>2,5mm <sup>2</sup>      | EN 50525-2-41               | VDE*/4001726<br>5                      |
| - Alternative  | Dong Guan Nistar<br>Transmitting Technology<br>Co.,Inc.              | H05SJ-K              | T180, 1,5 mm <sup>2</sup> and<br>2,5mm <sup>2</sup>      | EN 50525-2-41               | VDE*/4001757<br>0                      |
| - Alternative  | JIANGYIN ZHIJUN<br>APPLIANCE ELECTRIC<br>CABLE AND WIRE CO.,<br>LTD. | H05SJ-K              | T180, 1,5 mm <sup>2</sup> and<br>2,5mm <sup>2</sup>      | EN 50525-2-41               | VDE*/4001571<br>4                      |
| - Alternative  | Cixi Jiangyuan Power<br>Cord Co.,Ltd.                                | H05SJ-K              | T180, 1,5 mm <sup>2</sup> and<br>2,5mm <sup>2</sup>      | EN 50525-2-41               | VDE*/4003108<br>0                      |
| Internal wire (for<br>motor, switch<br>and thermostat) | JiangYin Haocheng<br>Electrical<br>Appliances&Cabble<br>Co.Ltd.      | H05SJ-K              | T180, 0,5mm <sup>2</sup>                                 | EN 50525-2-41               | VDE*/4001775<br>4                      |
| - Alternative  | Jiang Yin Tianqi Silicone<br>Rubber Products Co., Ltd.               | H05SJ-K              | T180, 0,5mm <sup>2</sup>                                 | EN 50525-2-41               | VDE*/4001726<br>5                      |
| - Alternative  | Dong Guan Nistar<br>Transmitting Technology<br>Co.,Inc.              | H05SJ-K              | T180, 0,5mm <sup>2</sup>                                 | EN 50525-2-41               | VDE*/4001757<br>0                      |
| - Alternative  | JIANGYIN ZHIJUN<br>APPLIANCE ELECTRIC<br>CABLE AND WIRE CO.,<br>LTD. | H05SJ-K              | T180, 0,5mm <sup>2</sup>                                 | EN 50525-2-41               | VDE*/4001571<br>4                      |
| - Alternative  | Cixi Jiangyuan Power<br>Cord Co.,Ltd.                                | H05SJ-K              | T180, 0,5mm <sup>2</sup>                                 | EN 50525-2-41               | VDE*/4003108<br>0                      |
| Heating tube for<br>D090FT, D090FT-<br>G               | Cixi City Hengjin Electron<br>Co.,Ltd.                               | ---                  | AC 230V, 50Hz, 3000W x<br>3                              | EN 60335-2-30<br>EN 60335-1 | Test with<br>appliance                 |
| Heating tube for<br>D150FT, D150FT-<br>G               | Cixi City Hengjin Electron<br>Co.,Ltd.                               | ---                  | AC 230V, 50Hz, 2500W x<br>6                              | EN 60335-2-30<br>EN 60335-1 | Test with<br>appliance                 |
| Fan motor for<br>D090FT, D090FT-<br>G                  | Cixi City Hengjin Electron<br>Co.,Ltd.                               | YWF2E-250B           | AC230V, 50Hz, Class 155,<br>100W, IP44                   | EN 60335-2-30<br>EN 60335-1 | Tested with<br>appliance               |
| Fan motor for<br>D150FT, D150FT-<br>G                  | Cixi City Hengjin Electron<br>Co.,Ltd.                               | YWF2E-300B           | AC230V, 50Hz, Class 155,<br>125W, IP44                   | EN 60335-2-30<br>EN 60335-1 | Tested with<br>appliance               |
| Motor winding  | Shanghai Asia Pacific<br>Electric Co Ltd.                            | MW79                 | Class 155<br>(E214423)                                   | EN 60335-2-30<br>EN 60335-1 | Test with<br>appliance                 |
| Bobbin of fan<br>motor                                 | Cixi City Hengjin Electron<br>Co.,Ltd.                               | PA66                 | Thickness min: 0,5mm                                     | EN 60335-2-30<br>EN 60335-1 | Tested with<br>appliance               |
| Pillar Terminal  | Openwise Industrial Ltd.   | 830                  | AC500V, 6,0mm <sup>2</sup> T110                          | EN 60998-1                  | VDE*/4002232<br>6                      |
| - Alternative  | Shenzhen Hongyu<br>Electrical Co., Ltd.                              | HYT-830<br>HYT-830WP | AC 500V; 6,0mm <sup>2</sup> /<br>4,0mm <sup>2</sup> T110 | EN 60998-1                  | VDE*/40020423                          |
| - Alternative  | Heavy Power Co., Ltd.  | PA12                 | AC 500; 6,0mm <sup>2</sup> ; T110                        | EN 60998-1                  | VDE*/40016433                          |



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| Object / part No.                           | Manufacturer/<br>trademark                             | Type / model      | Technical data                       | Standard                                | Mark(s) of<br>conformity <sup>1)</sup>   |
|---|--|-------------------|--------------------------------------|---|--|
| Self-resetting thermal cut-out of fan motor | Changzhou Ainuo Electronics Co. Ltd.                   | KW-***            | AC 250V, T165 Tf155                  | EN 60730-1                              | VDE*/40030067                            |
| -Alternative                                | Foshan Hengxin precision Electrical Equipment Co. Ltd. | TP1 **** *        | AC250V, T160, Tf155                  | EN 60730-1                              | VDE*/40025348                            |
| Relay for D090FT, D090FT-G                  | Zhejiang hongli Electric Co., Ltd.                     | HLR6100-1AxyzCF-u | AC250V 30A 10E4 T70                  | EN 61810-1+ Cl.17 of EN 60730-1         | TUVRH*/50124871                          |
| - Alternative                               | Zhejiang hongli Electric Co., Ltd.                     | HLR6100-2AxyzCF-u | AC250V 25A 10E4 T70                  | EN 61810-1+ Cl.17 of EN 60730-1         | TUVRH*/50124871                          |
| AC contactor for D150FT, D150FT-G           | Zhejiang chint electrics Co. Ltd.                      | NC8-12M           | AC230V 12A                           | EN 60947-4-1 EN 60947-5-1               | DEKRA*/3307297.01+ Tested with appliance |
| Motor Cable                                 | Shangyu jintao Electron Co.,Ltd                        | H05RR-F           | 4*0,75 mm <sup>2</sup>               | EN 50525-2-21                           | VDE*/40018106                            |
| - Alternative                               | Ningbo Huashun Electronics Co., Ltd.                   | H05RR-F           | 4*0,75 mm <sup>2</sup>               | EN 50525-2-21                           | VDE*/40014082                            |
| - Alternative                               | Ningbo Linsheng Electric Co.,Ltd                       | H05RR-F           | 4*0,75 mm <sup>2</sup>               | EN 50525-2-21                           | VDE*/40027485                            |
| - Alternative                               | Yuyao Jingyi Electronics Co., Ltd.                     | H05RR-F           | 4*0,75 mm <sup>2</sup>               | EN 50525-2-21                           | VDE*/40017356                            |
| - Alternative                               | Ningbo Xuanshi Electrical Appliance Co., Ltd.          | H05RR-F           | 4*0,75 mm <sup>2</sup>               | EN 50525-2-21                           | VDE*/40017772                            |
| - Alternative                               | Ningbo Xuanhua Electric co.,Ltd.                       | H05RR-F           | 4*0,75 mm <sup>2</sup>               | EN 50525-2-21                           | VDE*/40037611                            |
| - Alternative                               | Shanghai Shujie Cable & wire Co.,Ltd                   | H05RR-F           | 4*0,75 mm <sup>2</sup>               | EN 50525-2-21                           | VDE*/40016506                            |
| - Alternative                               | Ningbo hongyi Electronics Co., Ltd.                    | H05RR-F           | 4*0,75 mm <sup>2</sup>               | EN 50525-2-21                           | VDE*/40026367                            |
| Knob of rotary switch and thermostat        | Cixi City Hengjin Electron Co.,Ltd.                    | PA6               | Thickness min: 1,1mm<br>Black        | EN 60335-2-30<br>AfPS GS 2014:01<br>PAK | Tested with appliance                    |
| Handle plastic for D090FT, D090FT-G         | Cixi Huatong Plasticizing Co., Ltd.                    | ABS               | Thickness min: 2,0mm<br>Black        | EN 60335-2-30<br>AfPS GS 2014:01<br>PAK | Tested with appliance                    |
| Handle plastic for D150FT, D150FT-G         | Cixi City Hengjin Electron Co.,Ltd.                    | NBR+PVC.          | Thickness min: 2,0mm<br>Black        | EN 60335-2-30<br>AfPS GS 2014:01<br>PAK | Tested with appliance                    |
| Elastic duct for D090FT-G, D150FT-G         | Cixi City Hengjin Electron Co.,Ltd.                    | -                 | aluminum foil, Lengh max: 7,0m white | EN 60335-2-30<br>AfPS GS 2014:01<br>PAK | Tested with appliance                    |
| Paint on metal enclosure                    | Cixi City Hengjin Electron Co.,Ltd.                    | --                | black, Yellow, red                   | EN 60335-2-30<br>AfPS GS 2014:01<br>PAK | Tested with appliance                    |

<sup>1)</sup> An asterisk indicates a mark which assures the agreed level of surveillance


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**Modification Summary**

The following changes have been made to this CDF:

| Date       | Local Project no. | Description of Change  |
|------------|-------------------|--|
| 2017-05-16 | 161200120HZH      | <ol style="list-style-type: none"> <li>Added alternative Rotary switch: KRS2 made by Yuyao Keyuan Electrical Appliances Co.,Ltd.</li> <li>Added alternative Self -resetting thermal cut-out and Time-delayed thermostat: KSD301A-A made by Zettler Controls (Ningbo) Co., Ltd.</li> </ol>  |
| 2018-08-22 | 180600618HZH      | <ol style="list-style-type: none"> <li>Changed the address of holder and manufacturer to "No.100, Haiwei avenue, Guanhaiwei Town, Cixi Ningbo, Zhejiang, P. R. China".</li> <li>Updated standard from "EN 60335-1:2012+A11:2014+AC:2014" to "EN 60335-1: 2012+ AC:2014 +A11:2014+A13:2017".</li> <li>Added alternative Supply cord: H07RN-F of Ningbo jiajie electronic Co.,Ltd.</li> <li>Deleted alternative Rotary switch: KRS2 of Yuyao Keyuan Electrical Appliances Co.,Ltd.</li> <li>Deleted alternative Self -resetting thermal cut-out for all models: KSD301A-A of Ningbo Yuanfang Thermostats Co., Ltd.</li> <li>Deleted alternative Time-delayed thermostat: KSD301A-A of Ningbo Yuanfang Thermostats Co., Ltd.</li> <li>Added alternative Capacitor for all models: CBB61 of NINGGUO HUILI ELECTRIC CO.,LTD and CBB61 of Foshan shunde Hongye Electrical Appliance Co.,Ltd.</li> <li>Deleted alternative internal wire for all models: Ningbo Nissei Electric Co.,Ltd.</li> </ol> |

This CDF replaces previously issued CDF dated 2017-06-12

Signed



Date 2018-10-09