

File E207393
Project 4790685860

April 25, 2023

REPORT

on

HOUSEHOLD COOKING APPLIANCES

Guang Dong XinBao Electrical Appliances Holdings Co Ltd.
Guangdong, China

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LISTING	PRODUCT DESCRIPTION	MODEL(S)	VOLTAGE (Vac)	WATTAGE (W)	FREQUENCY (Hz)
[X]USL [X]CNL	[X]Air Fryer	AF7001-UL	120	1700	60

TECHNICAL CONSIDERATIONS (NOT FOR FIELD REPRESENTATIVE'S USE)	
STANDARD INFORMATION:	
[X]USL indicates evaluation to US Standard	[X]UL 1026 Issue Date: 2012-01-27, Revision Date: 2021-03-19
[X]CNL indicates evaluation to Canadian Standard	[X] CSA C22.2 NO. 1335.1-93, 1st Ed., Issue Date: 1993-01-01 [X] CSA C22.2 NO. 1335.2.9-93, 1st Ed., Issue Date: 1993-01-01
INTENDED USE:	
<input checked="" type="checkbox"/> Indoor <input type="checkbox"/> Outdoor <input checked="" type="checkbox"/> Portable <input type="checkbox"/> Stationary <input type="checkbox"/> Fixed <input checked="" type="checkbox"/> Counter-top <input type="checkbox"/> Cabinet-mounted <input type="checkbox"/> Wall-mounted <input type="checkbox"/> Floor-supported <input checked="" type="checkbox"/> Household <input type="checkbox"/> Commercial <input type="checkbox"/> Hospitality <input type="checkbox"/> Immersible <input type="checkbox"/> Dishwasher clean <input type="checkbox"/> Spot clean only	
SUPPLY CONNECTIONS:	
<input checked="" type="checkbox"/> Cord-Connected <input checked="" type="checkbox"/> Permanently attached <input type="checkbox"/> Detachable <input type="checkbox"/> With ground <input checked="" type="checkbox"/> Without ground <input type="checkbox"/> Magnetically coupled to the appliance <input type="checkbox"/> Permanently-connected <input type="checkbox"/> Class 2 power unit <input type="checkbox"/> Direct plug-in <input type="checkbox"/> Cord connected <input type="checkbox"/> Rechargeable battery <input type="checkbox"/> Li-Ion cell <input type="checkbox"/> Induction power transmitter/receiver <input type="checkbox"/> Other	
ELECTRONICS AND SOFTWARE:	
<input type="checkbox"/> Electronics evaluated for protective functional safety: <input type="checkbox"/> UL 60730, Annex H <input type="checkbox"/> UL 991 <input type="checkbox"/> Software evaluated for protective functional safety: <input type="checkbox"/> UL 60730, Annex H <input type="checkbox"/> UL 1998	
Model Similarity:	
N/A.	

ATTACHMENTS		
TABLE	MODEL	DESCRIPTION
1-1	AF7001-UL	ENCLOSURE ASSEMBLY AND INTERPART ASSEMBLY
2-1		SUPPLY CONNECTIONS
3-1		HEATING ASSEMBLY
4-1		ELECTRICAL COMPONENTS/INTERNAL WIRING
FIG.	MODEL	DESCRIPTION
1A-1	AF7001-UL	OVERALL VIEW
2A-1		BOTTOM VIEW
3A-1		REAR VIEW
4A-1		INTERNAL VIEW 1
5A-1		INTERNAL VIEW 2
6A-1		INTERNAL VIEW 3
7A-1		INTERNAL VIEW 4
8A-1		INTERNAL VIEW 5
9A-1		INTERNAL VIEW 6
10A-1		PWB VIEW
11A-1		PWB VIEW
12A-1		PWB VIEW
ILL.	MODEL	DESCRIPTION
1B-1	AF7001-UL	Instruction Manual
2B-1		Exploded Drawing
3B-1		Measurement Drawings, Complete Device
4B-1		Heater Drawing
5B-1		Electrical Schematics & PCB Layout
6B-1		Motor Drawing
7B-1		DC fan Drawing

See Sec. Gen. and following for details.

Cautionary Markings:

See Sec. Gen.. In addition, the following marking shall be provided.

"DO NOT IMMERSE IN ANY LIQUID", "HOUSEHOLD USE ONLY" shall be permanently marked on surface of Body Housing. Such marking shall be in letters not less than 3/32 inch (2.4 mm) high.

Marking Methods - All required markings shall be etched, molded, die stamped, paint stenciled, or provided on a R/C PGDQ2, CN, suitable for application to the mounting surface involved, and rated minimum 105°C.

Cord tag:

R/C (PGIS2), suitable for power supply cord to Listed, CN, Type HPN, 16 AWG, with information shown as follow is permanently attached to the power supply cord and located within 2 inches from where the cord exits the attachment plug, including its bushing. The tag shall be marked as below:

"CAUTION: Do not use an extension cord"

TABLE 1-1

ENCLOSURE ASSEMBLY AND INTERPART ASSEMBLY:							
FIG/ ILL	ITEM 1	COMPONENT (MFG BoM)	MANUFACTURER (FILE)	CAT. NO.	RATINGS/COMMENTS	AGENCY APP.	CCN
1A-1, 2B-1	1,2, 4,52	Hinge top/ Top cover/Hinge left cover	Hanwha TotalEnergies Petrochemical Co Ltd (E140331)	HJ730+	Rated HB, 115°C, HWI=2, HAI=0, CTI=0. Minimum 1.5 mm thick, keep min. 12.7 mm from live part.	UL	QMFZ2
		Alternate	Lanzhou Petrochemical Research Center, PetroChina Company Limited(E484007)	H8020	Rated HB, 105°C, HWI=3, HAI=0, CTI=0. Others are same as above.	UL	QMFZ2
1A-1, 2B-1	23, 30, 31, 49, 57, 51, 45	Air fry liner/Down base/Handle/Hin ge back/Hinge bracket/Hinge front/Hinge back cover	GUANGDONG WAYLAM ENGINEERING PLASTICS CO LTD (E257285)	PBT- RG301(a)	Rated V-0, 120°C, HWI=2, HAI=0, CTI=3. Minimum 1.6 mm thick.	UL	QMFZ2
		Alternate	LG CHEM LTD (E67171)	LUPOX GP2306F (#)	Rated V-0, 140°C, HWI=2, HAI=1, CTI=2. Minimum 1.5 mm thick.	UL	QMFZ2
1A-1, 2B-1	30,3 1,57	Alternate Handle/Hinge bracket/Down base	TORAY INDUSTRIES INC (E41797)	1101G- 30(f1)	Rated HB, 130°C, HWI=1, HAI=0, CTI=2. Minimum 1.5 mm thick.	UL	QMFZ2

TABLE 1-1

ENCLOSURE ASSEMBLY AND INTERPART ASSEMBLY:							
FIG/ ILL	ITEM 1	COMPONENT (MFG BoM)	MANUFACTURER (FILE)	CAT. NO.	RATINGS/COMMENTS	AGENCY APP.	CCN
2A-1, 2B-1	41	Bottom base	Hanwha TotalEnergies Petrochemical Co Ltd (E140331)	HJ730+	Rated HB, 115°C, HWI=2, HAI=0, CTI=0. Minimum 1.5 mm thick, keep min. 12.7 mm from live part.	UL	QMFZ2
		Alternate	GUANGDONG WAYLAM ENGINEERING PLASTICS CO LTD (E257285)	PP- FR202T	Rated V-2, 115°C, HWI=2, HAI=0. Minimum 1.6 mm thick. Others are same as above.	UL	QMFZ2
3A-1, 2B-1	46, 18	Air outlet cover/ Rod	TORAY INDUSTRIES INC (E41797)	A360M(f 1)	Rated V-0, 220°C, Minimum 2.0 mm thick.	UL	QMFZ2
		Alternate	DIC CORP (E53829)	FZ-3600	Rated V-0, 200°C, HWI=0, HAI=0, CTI=2. Minimum 2.0 mm thick.	UL	QMFZ2
2B-1	50, 54	Shaft left	BASF CORP (E36632)	A3EG6	Rated HB, 120°C. Minimum 1.5 mm thick.	UL	QMFZ2
		Alternate	KINGFA SCI & TECH CO LTD (E171666)	PA66- G(f)	Rated HB, 105°C. Minimum 1.5 mm thick.	UL	QMFZ2
2B-1	25, 26, 63, 58	Press bracket/ Control panel/ Power pcb box/ Hinge bottom cover	GUANGDONG WAYLAM ENGINEERING PLASTICS CO LTD (E257285)	PP- FR202T	Rated V-2, 115°C, HWI=2, HAI=0, CTI=0. Minimum 1.6 mm thick.	UL	QMFZ2
		Alternate	LG Chem (Guangzhou) Engineering Plastics Co Ltd (E248280)	LUPOL GP- 1000F(#)	Rated V-0, 120°C, HWI=3, HAI=0, CTI=0. Minimum 1.5 mm thick.	UL	QMFZ2

TABLE 1-1 (Con't)

ENCLOSURE ASSEMBLY AND INTERPART ASSEMBLY:							
FIG/ ILL	ITEM 1	COMPONENT (MFG BoM)	MANUFACTURER (FILE)	CAT. NO.	RATINGS/COMMENTS	AGENCY APP.	CCN
1A-1, 2B-1	28,3 ,5	Control panel dec/ Control panel dec top/ Airfry top cover dec	LG CHEM LTD (E67171)	LUPOY GN5001R FH	Rated V-0, 80°C, Minimum 1.5 mm thick.	UL	QMFZ2
2B-1	16	Switch bracket	TORAY INDUSTRIES INC (E41797)	3004G- 30(rd9)	PA66. Rated V-0, 115°C. Minimum 1.5 mm thick.	UL	QMFZ2
		Alternate	GUANGDONG WAYLAM ENGINEERING PLASTICS CO LTD (E257285)	PA66- RPG25	Rated V-0, 120°C, Minimum 1.6 mm thick.	UL	QMFZ2
		Alternate	BASF CORP (E36632)	A3EG6	Rated HB, 120°C, Minimum 1.5 mm thick.	UL	QMFZ2
2B-1	27	Display lens	Formosa Idemitsu Petrochemical Corp (E238753)	IR2200	Rated V-2, 125°C, Minimum 1.5 mm thick.	UL	QMFZ2
		Alternate	Covestro Deutschland AG [PC Resins] (E41613)	2856	Rated V-2, 115°C, Minimum 1.5 mm thick.	UL	QMFZ2

TABLE 1-1 (Con't)

ENCLOSURE ASSEMBLY AND INTERPART ASSEMBLY:

FIG/ ILL	ITEM 1	COMPONENT (MFG BoM)	MANUFACTURER (FILE)	CAT. NO.	RATINGS/COMMENTS	AGENCY APP.	CCN
2B-1	13	Reflective plate	N/A	N/A	Aluminium coated sheet. Measured min.0.5 mm thick.	N/A	N/A
2B-1	33	Housing	N/A	N/A	Stainless steel. Measures 0.4 mm thick.	N/A	N/A
2B-1	36	Heating element base	N/A	N/A	Plated steel. Measures 0.5 mm thick.	N/A	N/A
2B-1	39	Heat Insulation Plate	N/A	N/A	Galvanized plate. Measures 0.4 mm thick.	N/A	N/A
2B-1	61	Bracket	N/A	N/A	Galvanized plate. Measured min. 0.3 mm thick.	N/A	N/A
2B-1	43	Foot	N/A	N/A	Removable. Rubber material, snapped fit to the hole of Base.	N/A	N/A

Notes: 1 - Item and page numbers correlate between Table 1-1 and those components that are identified in the corresponding FIG. /ILL.

2- ILL.3B-1 for dimensions.

TABLE 2-1

SUPPLY CONNECTIONS:

FIG/ ILL	ITEM 1	COMPONENT	MANUFACTURER (FILE)	CAT. NO.	RATINGS/COMMENTS	AGENCY APP.	CCN
1A-1, 2B-1	84	Power Cord Supply	Any	Any	HPN, 16 AWG x 2 C, Rated 300 V, 105 °C, VW-1. Min. 2 ft (0.6 m), Max 7 ft (2.1m). Terminated with a molded-on polarized attachment plug,	UL [x]CN	Listed [x]CN
6A-1, 2B-1	N/A	Cord Clamp	RADICI CHIMICA SPA (E146390)	A45L-1	PA66. Rated V-2, 70 °C, HWI=3, HAI=0, CTI=0. Secured into the Bottom Base by screws.	UL	QMFZ2

Notes: 1 - Item numbers correlate between Table 2-1 and those components that are identified in the corresponding FIG. /ILL.

TABLE 3-1							
HEATING ASSEMBLY:							
FIG/ ILL	ITEM1	COMPONENT	MANUFACTURER (FILE)	CAT. NO.	RATINGS/COMMENTS	AGENCY APP.	CCN
2B-1	34	Lower Upper Heater	Zhaoqing Gaoyao Yinyi Hardware Products Co.,LTD	Any	Rated 120 V, 1700 W. Sheath type, See ILL 4B-1 for dimensions.	N/A	N/A
4A-1, 2B-1	21	Upper heater	Foshan Sanshui Mingxinglong Electric Appliance Co.,LTD	Any	Two provided. Rated 60 V,700W. Sheath type, See ILL 4B-1 for dimensions.	N/A	N/A

Notes: 1 - Item numbers correlate between Table 3-1 and those components that are identified in the corresponding FIG./ILL.

TABLE 4-1

ELECTRICAL COMPONENTS/INTERNAL WIRING:							
FIG/ ILL	ITEM1	COMPONENT	MANUFACTURER (FILE)	CAT. NO.	RATINGS/COMMENTS	AGENCY APP.	CCN
8A-1, 2B-1	7	Motor	FOSHAN LONGBAO MOTOR ELECTRICAL APPLIANCE CO LTD (E498272)	LB61/200	Rated AC120V, 60Hz, CLASS H. Secured to Motor Holder by screws.	UL	XEWR2/8
		Alternate	FOSHAN SHUNDE E- MOTOR CO LTD (E365321)	S62	Rated AC120V, 60Hz, CLASS H. Secured to Motor Holder by screws.	UL	XEIT2/8
2B-1	8, 10	Fan blade	N/A	N/A	SAIC, Minimum 0.5 mm thick,	N/A	N/A
N/A	N/A	DC Fan	SHENZHEN JIANG SHAN LAI ELECTRONIC TECHNOLOGY CO., LTD	JDH5015S	DC12V, 0.16A.	N/A	N/A
		Alternate	JINGYI DC BRUSH-L ESS FAN	JY-010	DC12V, 0.16A.	N/A	N/A
	N/A	DC Fan bobbin/blade/frame	CHANG CHUN CHEMICAL (ZHANGZHOU) CO LTD (E304813)	PBT 4130	Rated V-0, 140°C. Minimum 1.0 mm thick.	UL	QMFZ2
		Alternate	Ningbo Huateng Shouyan Hightech Co Ltd (E97523)	PBT301- G30F	Rated V-0, 130°C. Minimum 1.0 mm thick.	UL	QMFZ2
8A-1	N/A	Upper Thermal Cutoff	SHANGHAI XINYUAN ELECTRONICS CO LTD (E362696)	RY216	Rated 250/125 V, 15 A, TF=216°C. Leads and body are encased in a sleeving, R/C (UZFT2/8), rated 200°C, 600 V. Secured to inner liner by screw or rivet.	UL	XCMQ2/8
		Alternate	Therm-O-Disc, Incorporated (E40667)	G4A00216C	Rated 250V, 15 A, TF=216°C. Others same as above.	UL	XCMQ2/8

TABLE 4-1 (Con't)

ELECTRICAL COMPONENTS/INTERNAL WIRING:							
FIG/ ILL	ITEM1	COMPONENT	MANUFACTURER (FILE)	CAT. NO.	RATINGS/COMMENTS	AGENCY APP.	CCN
7A-1	N/A	Lower thermal cutoff	SHANGHAI XINYUAN ELECTRONICS CO LTD (E362696)	RY192	Rated 250/125 V, 15 A, TF=192°C. Leads and body are encased in a sleeving, R/C (UZFT2/8), rated 200°C, 600 V. Secured to inner liner by screw or rivet.	UL	XCMQ2/8
		Alternate	Therm-O-Disc, Incorporated (E40667)	G4A00192 C	Rated 250V, 15 A, TF=192°C. Others same as above.	UL	XCMQ2/8
2B-1	15	Micro Switch	DONGNAN ELECTRONICS CO LTD (E176213)	KW4A(S) - A	Rated 10A, 125VAC, T125, endurance 6K cycles.	UL	WOYR2/8
		Alternate	ZHEJIANG ZHONGXUN ELECTRONICS CO LTD (E203463)	KW11-3Z-5	Rated 10A, 125VAC, T125, endurance 6K cycles.	UL	WKKY2/8
4A-1, 2B-1	44	Upper NTC sensor	ANHUI EAGLE ELECTRON CO LTD (E502983)	MF58-104X3950 YA	T _{moa} =250°C, Class C3. All bare leads and thermistor completely embedded in sealant. Embedded inside the Mounting Tube.	UL	XGPU2/8
2B-1	71	Lower NTC sensor	ANHUI EAGLE ELECTRON CO LTD (E502983)	MF58-104X3950 YA	T _{moa} =250°C, Class C3. All bare leads and thermistor completely embedded in sealant. Embedded inside the Mounting Tube.	UL	XGPU2/8
N/A	N/A	Mounting Tube	N/A	N/A	Stainless steel. Measured 0.25 mm thick, 4.0 mm OD.	N/A	N/A
N/A	N/A	NTC tubing	Any	Any	Rated 200°C, min. 150Vac.	UL	YDPU2

TABLE 4-1 (Con't)

ELECTRICAL COMPONENTS/INTERNAL WIRING:

FIG/ ILL	ITEM1	COMPONENT	MANUFACTURER (FILE)	CAT. NO.	RATINGS/COMMENTS	AGENCY APP.	CCN
8A-1	N/A	Thermal cutoff Tubing	Any	Any	Rated 300 V, 200 °C Minimum.	UL	YDPU2/8 or UZFT2/8
8A-1	N/A	Heat Shrinkable Tubing	Any	Any	Rated 600 V, 125 °C Minimum, VW-1.	UL	YDPU2 YDPU8
8A-1	N/A	Cable Tie	Any	Any	Rated 105 °C Minimum.	UL	ZODZ2 ZODZ8
9A-1	N/A	Terminal block	Any	Any	Rated 105 °C Minimum.	UL	
8A-1	N/A	Internal Wiring	Any	Any	Min. 16 AWG, rated 300 V, 200°C. Connected with Heater, Thermal cutoff. Min. 20 AWG, rated 300 V, 200°C. Connected with motor. Min. 24 AWG, rated 300 V, 200°C. Connected with NTC. Min. 26 AWG, rated 300 V, 105°C. Connected with Control PWB. Min. 26 AWG, rated 300 V, 200°C. Connected with DC FAN. Min. 24 AWG, rated 300 V, 200°C. Connected with upper Micro switch .	UL	AVLV2 AVLV8

ELECTRICAL COMPONENTS/INTERNAL WIRING:							
FIG/ ILL	ITEM 1	COMPONENT	MANUFACTURER (FILE)	CAT. NO.	RATINGS/COMMENTS	AGENCY APP.	CCN
12A-1, 2B-1	59	Control PWB	Any	Any	Rated V-0, 130 °C minimum. Suitable for direct support live parts. Measured 1.6 mm thick.	UL	ZPMV2
10A-1, 2B-1	53	Power PWB	Any	Any	Rated V-0, 130 °C minimum. Suitable for direct support live parts. Measured 1.6 mm thick.	UL	ZPMV2
10A-1, 2B-1	N/A	Fuse (F2)	Any	Any	Rated T1.6 A, 250V.	UL	JDYX2/8
10A-1, 2B-1	N/A	Varistor	Any	Any	Type 10D471K.	UL	VZCA2/8
10A-1, 2B-1	N/A	X2 Capacitor	Any	Any	Rated 0.22 uF.	UL	FOWX2/8
10A-1, 2B-1	N/A	Relay	Any	Any	Rated min.125Vac, 20 A, or 250Vac ,17A, coil voltage 12 VDC, 105°C, 6000 cycles.	UL	NRNT2/8 Or NLDX2/8

Notes: 1 - Item and page numbers correlate between Table 4-1 and those components that are identified in the corresponding FIG. /ILL.