1.0 Reference and Address			
Report Number	106638167CRT-001	Original Issued: 30-Jul-2026	Revised: None
Standard(s)	Movable and Wall- or Ceiling-Hung Electric Room Heaters [ANSI/UL 1278:2014 Ed.4+R:08Mar2024]		

Applicant	Lasko Products LLC	Manufacturer 1	**Risheng Electrical Appliances Co. Ltd.**
Address	820 Lincoln Ave West Chester, PA 19380	Address	Chuangye Industry Zone,Xinhe, Wanjiang DistrictDongguan City, Guangdong Province 523000
Country	USA	Country	China
Contact	Parvathi Kodandaraman	Contact	Xiao Yao Ren
Phone	610-719-8949	Phone	86-769-88991018
FAX	610-692-9325	FAX	86-769-88991008
Email	pkodandaraman@laskoproducts.com	Email	xiaoyaoren@vip.163.com

Manufacturer 2	**May Quality Industries SDN. BHD.**
Address	Lot 836, Jalan Abdul Rahman, Parit Kassim, Muar, Johor 84150
Country	Malaysia
Contact	Li Chun Bing
Phone	13416618860
FAX	NA
Email	iso2@decomin.com.cn

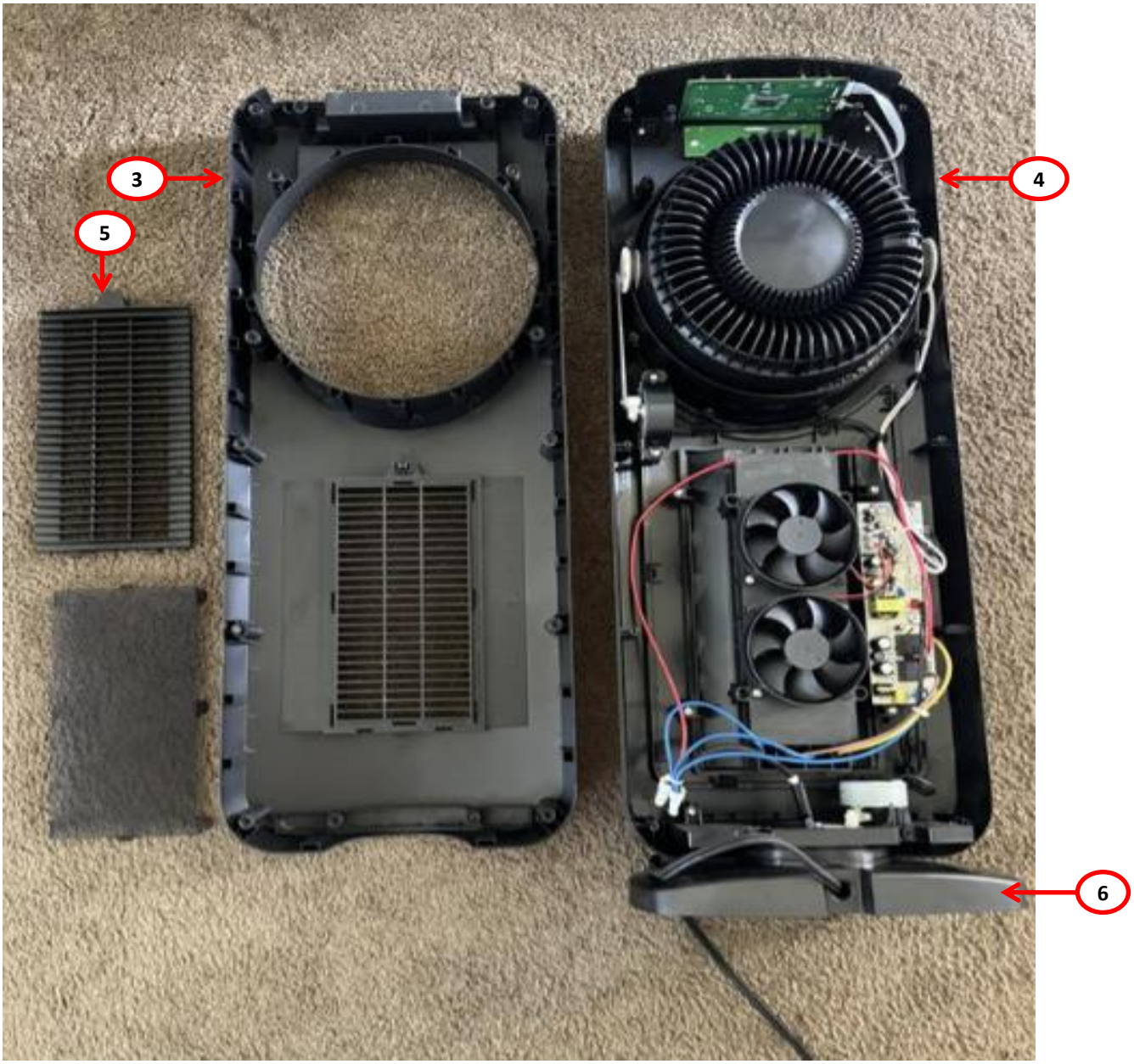
2.0 Product Description	
Product	Combination Electric Heater and Fan
Brand name	Lasko
Description	The products covered by this report are household, indoor-use, cord-connected, movable electric heater and fan combination appliances, provided with an independent fan-only operating mode and remote control utilizing two "AAA" batteries.
Models	FHC200, FHC250.
Model Similarity	Model FHC250 is identical to model FHC200 except for the silver housing color and the addition of 12 fan speed settings in place of the 10 fan speed settings provided on model FHC200.
Ratings	120V, 1500W, 60Hz
Other Ratings	NA

3.0 Product Photographs

Photo 1 - External Overall View

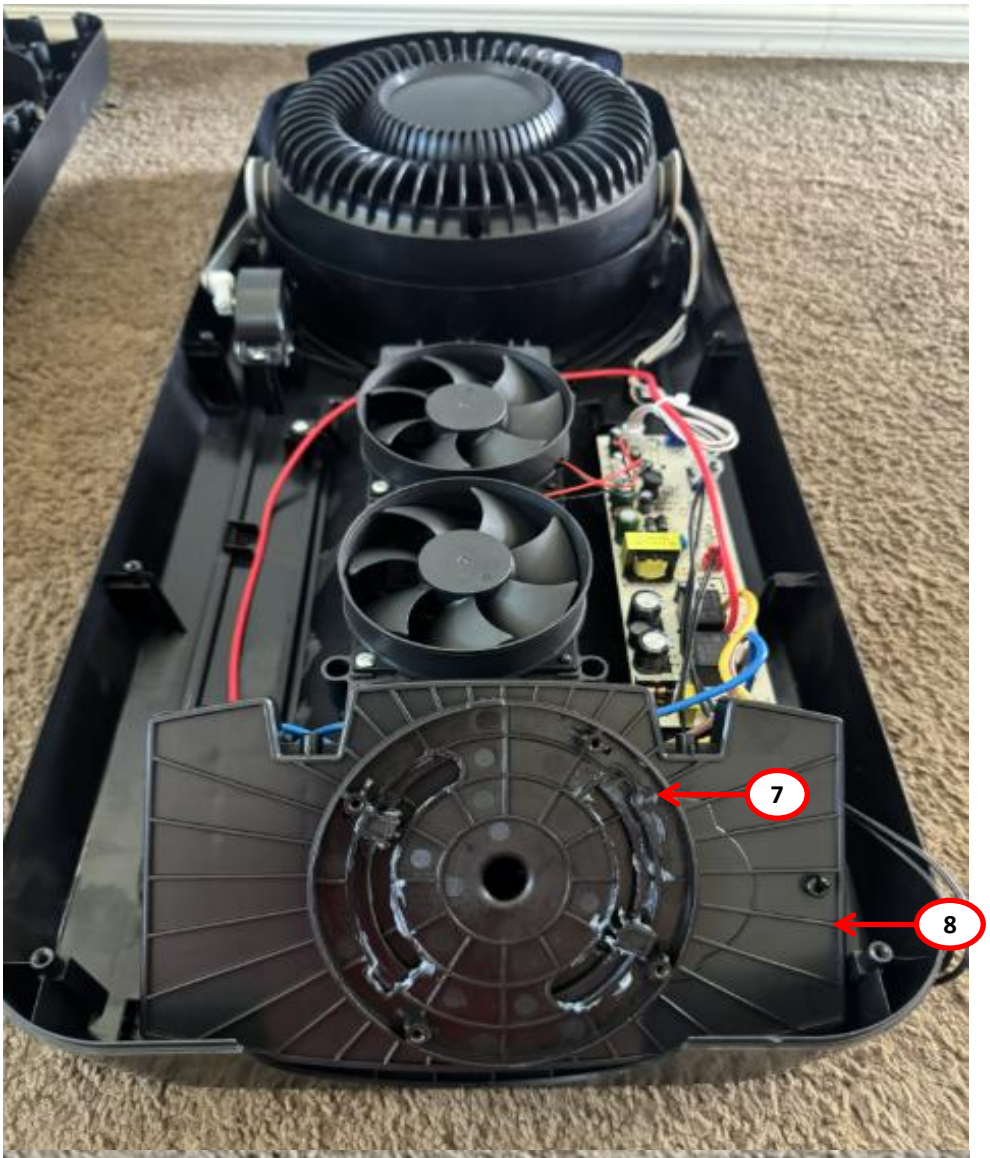
3.0 Product Photographs

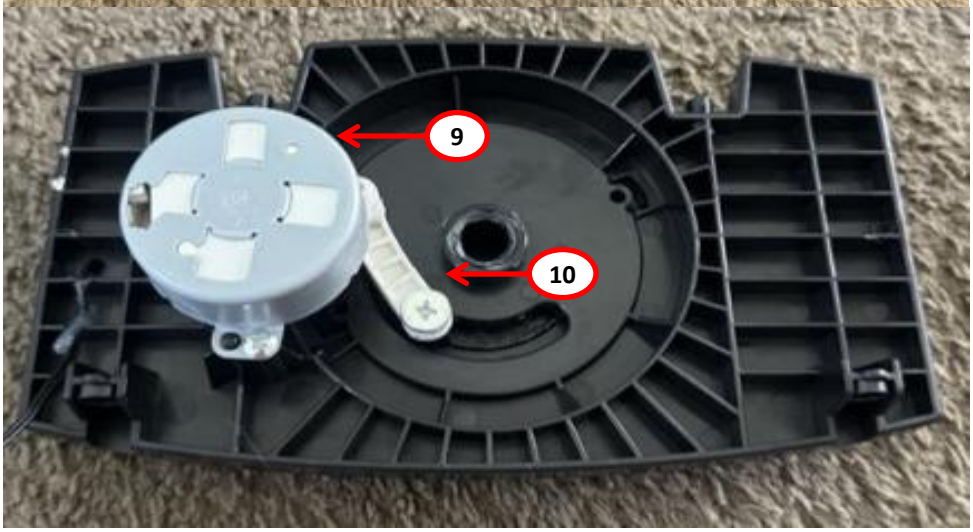
Photo 2 - Internal Overall View



3.0 Product Photographs

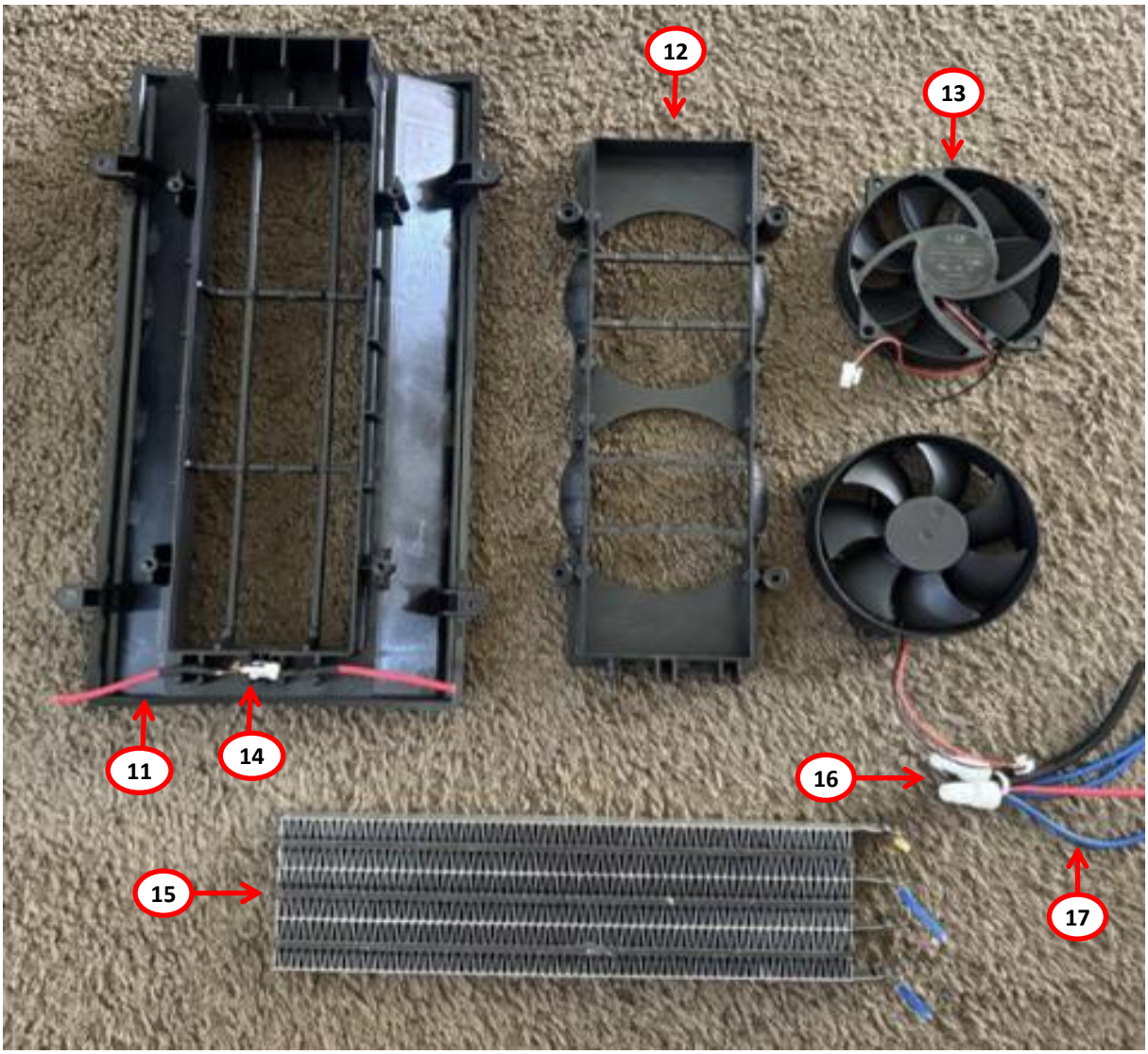
Photo 2a - Internal Overall View





3.0 Product Photographs

Photo 3 - Heater Assembly View



3.0 Product Photographs

Photo 4 - Fan Assembly View

3.0 Product Photographs

Photo 4a - Fan Assembly View

3.0 Product Photographs

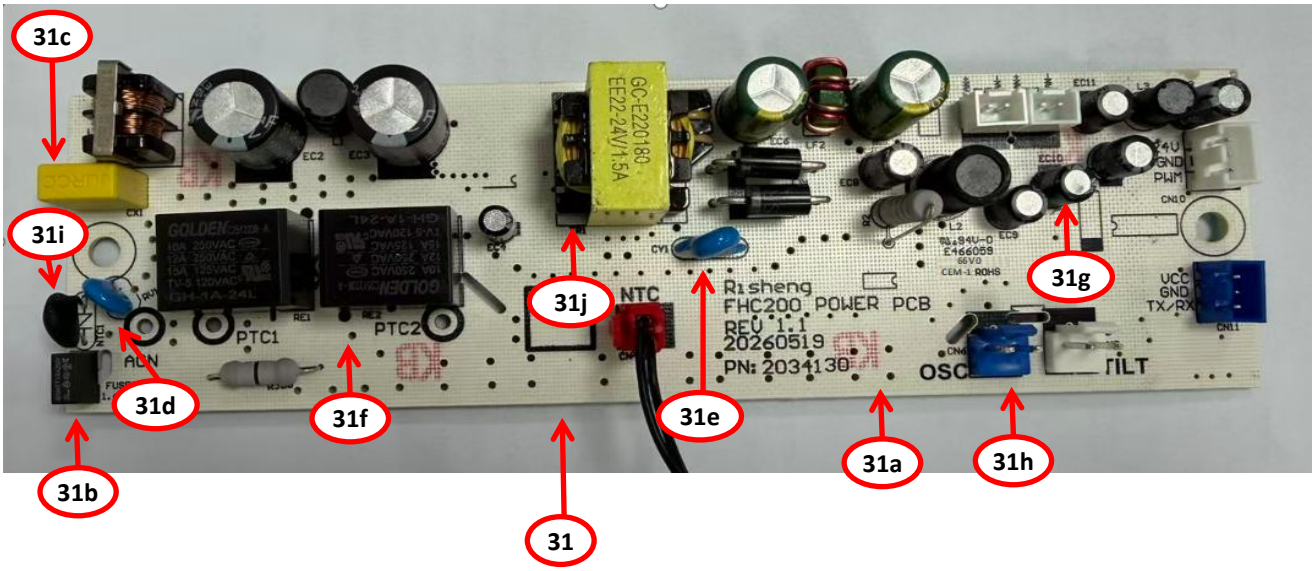
Photo 4b - Fan Assembly View

3.0 Product Photographs

Photo 4c - Fan Assembly View

3.0 Product Photographs

Photo 5 - Power PCB (Risheng)

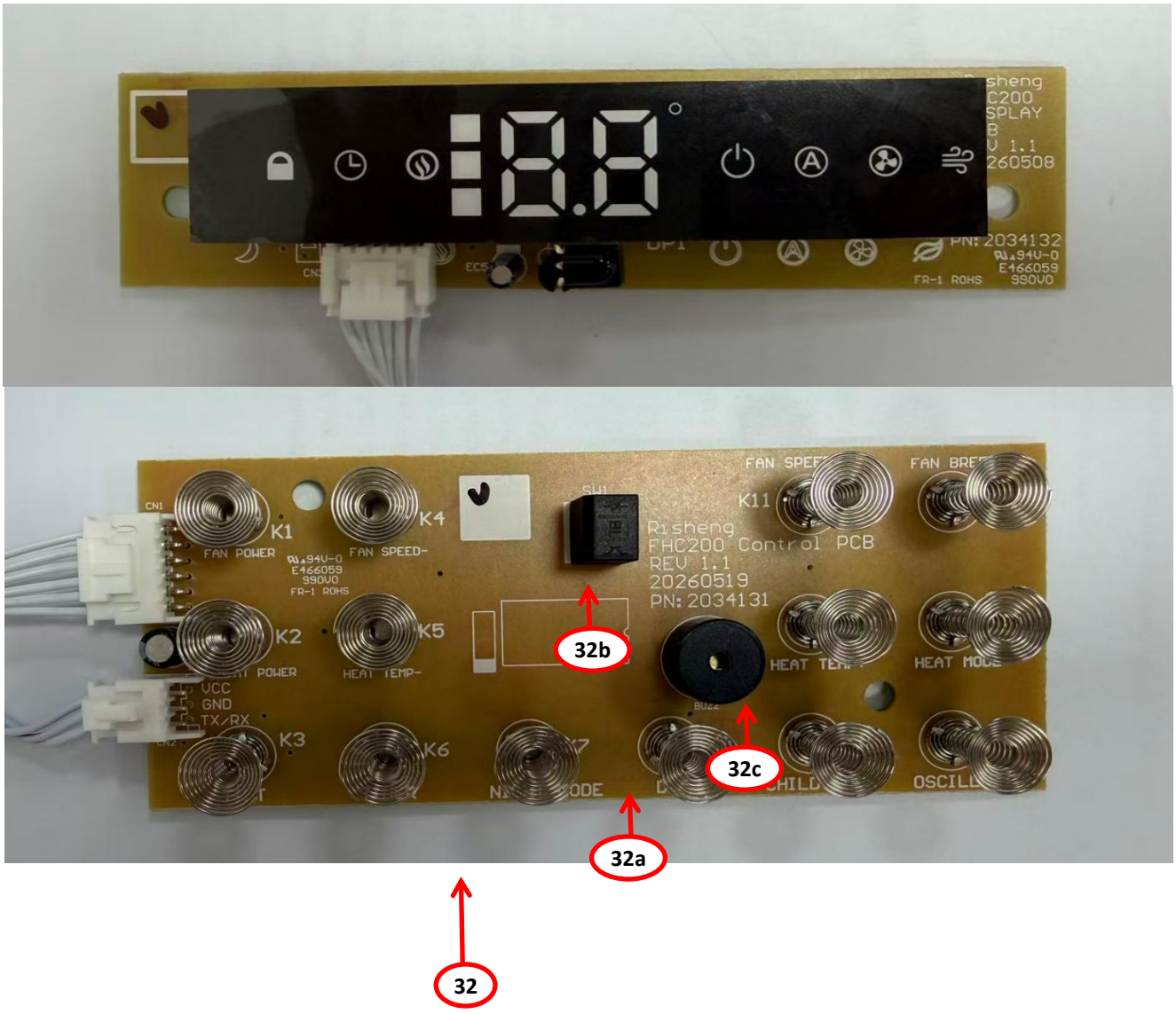


3.0 Product Photographs

Photo 6 - Power PCB (Topapex)

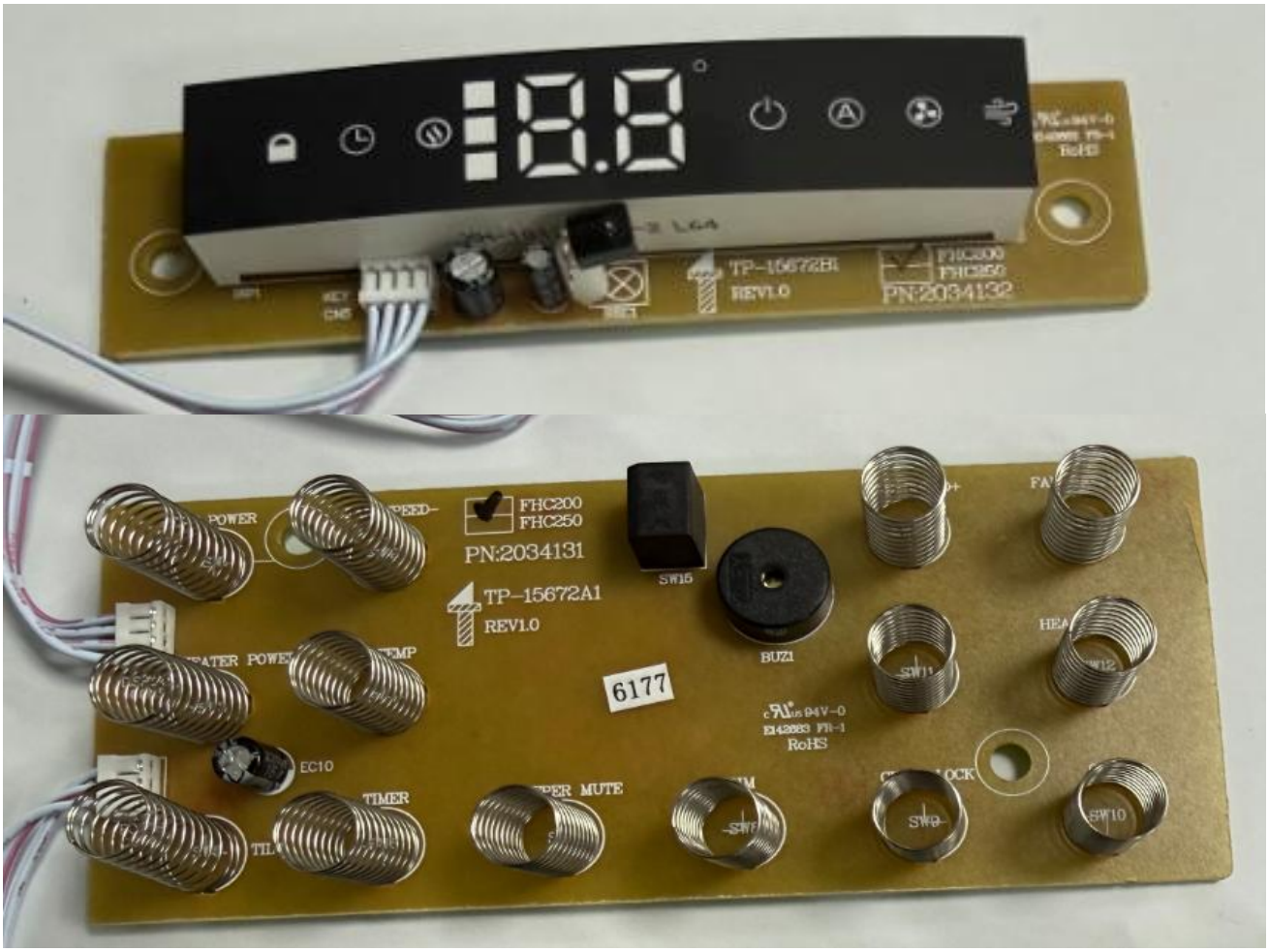
3.0 Product Photographs

Photo 7 - Control PCB (Risheng)



3.0 Product Photographs

Photo 8 - Control PCB (Topapex)



4.0 Critical Components						
Photo #	Item no.[1]	Name	Manufacturer/ trademark[2]	Type / model[2]	Technical data and securement means	Mark(s) of conformity [3]
1	1	Front Mesh Grill	VARIOUS	VARIOUS	Minimum Thickness: 0.7mm, Metal Type: Iron, Paint	NR
1	2	Rear Mesh Grill	VARIOUS	VARIOUS	Minimum Thickness: 1.0mm, Metal Type: Iron	NR
2	3	Rear Body	POLYROCKS CHEMICAL CO LTD	5000(f1)	Rated V-0, 120°C, minimum 0.75mm thick. (Color - All) Secured to Front Body by design and screws.	cURus
			SILVER AGE ENGINEERING PLASTICS (DONGGUAN) CO LTD	433+	Rated V-0, 110°C, minimum 0.75mm thick. (Color - All) Secured to Front Body by design and screws.	cURus
2	4	Front Body	LG CHEM HUIZHOU PETROCHEMICAL CO LTD	AF312B	Rated V-0, 70°C, minimum 2.1mm thick. (Color - All) Secured to Rear Body by design and screws.	cURus
			LOTTE CHEMICAL CORPORATION	VH-0815(+)	Rated V-0, 85°C, minimum 2.0mm thick. (Color - All) Secured to Rear Body by design and screws.	cURus
2	5	Filter Door	LG CHEM HUIZHOU PETROCHEMICAL CO LTD	AF312B	Rated V-0, 70°C, minimum 2.1mm thick. (Color - All)	cURus
			LOTTE CHEMICAL CORPORATION	VH-0815(+)	Rated V-0, 85°C, minimum 2.0mm thick. (Color - All)	cURus
2	6	Base	LG CHEM HUIZHOU PETROCHEMICAL CO LTD	AF312B	Rated V-0, 70°C, minimum 2.1mm thick. (Color - All)	cURus
			LOTTE CHEMICAL CORPORATION	VH-0815(+)	Rated V-0, 85°C, minimum 2.0mm thick. (Color - All)	cURus
2a	7	Oscillation Adapter	KINGFA SCI & TECH CO LTD	PA66-RG301	Rated V-0, 115°C, minimum 0.75mm thick. (Color - All)	cURus

4.0 Critical Components						
Photo #	Item no.[1]	Name	Manufacturer/ trademark[2]	Type / model[2]	Technical data and securement means	Mark(s) of conformity [3]
2a	8	Oscillation Plate	LG CHEM HUIZHOU PETROCHEMICAL CO LTD	AF312B	Rated V-0, 70°C, minimum 2.1mm thick. (Color - All)	cURus
			LOTTE CHEMICAL CORPORATION	VH-0815(+)	Rated V-0, 85°C, minimum 2.0mm thick. (Color - All)	cURus
2a	9	Oscillation Motor	FOSHAN SHUNDE HENGXING MICRO MOTOR CO LTD	TYJ50-8A	Rated 120V, 60Hz, 4W, 3RPM/4RPM.(Z.P.)	cURus
			MINZHUO ELECTRIC CO LTD	50TYZ-0.2B02	Rated 120V, 60Hz, 4W, 3RPM/4RPM.(Z.P.)	cURus
			JIANGMENT DONGRUN MECHINERY AND ELECTRICAL CO LTD	TY50J	Rated 120V, 60Hz, 4W, 3RPM/4RPM.(Z.P.)	cURus
			FOSHAN JUNTAI ELECTRICAL APPLIANCES CO LTD	TYC50C	Rated 120V, 60Hz, 4W, 3RPM/4RPM.(Z.P.)	cURus
2a	10	Cam - Link	KINGFA SCI & TECH CO LTD	PA66-RG301	Rated V-0, 115°C, minimum 0.75mm thick. (Color - All)	cURus
3	11	Element Holder	KINGFA SCI & TECH CO LTD	PBT-RG301(r1)	Rated V-0, 130°C, minimum 1.5mm thick. (Color - All) (r1) - Virgin and regrind material up to 50% by weight have the same V-0 flammability characteristics in the 0.3mm to 3.0mm thickness. No other properties for regrind have been evaluated.	cURus
			NANTONG ORIENT PLASTICS CO LTD	3080 GF30	Rated V-0, 130°C, minimum 1.6mm thick. (Color - All)	cURus
3	12	Element Bracket	KINGFA SCI & TECH CO LTD	PBT-RG301(r1)	Rated V-0, 130°C, minimum 1.5mm thick. (Color - All)	cURus
			NANTONG ORIENT PLASTICS CO LTD	3080 GF30	Rated V-0, 130°C, minimum 1.6mm thick. (Color - All)	cURus

4.0 Critical Components						
Photo #	Item no.[1]	Name	Manufacturer/ trademark[2]	Type / model[2]	Technical data and securement means	Mark(s) of conformity [3]
3	13	DC Fan	SHENZHEN HAOZHI TECHNOLOGY CO LTD	FD9025SH	Rated 12VDC, 0.25A	cURus
			SHEN ZHEN AMBEYOND TECHNOLOGY CO LTD	AV-F9225HS	Rated 12VDC, 0.3A	UR
			YATE LOON ELECTRONICS CO LTD	D90SH-12	Rated 12VDC, 0.8A	cURus
3	14	Manual TCO Reset	AUONE ELECTRONIC MFG LTD	AUT-75°C	Rated 125V, 75°C	cURus
			FOSHAN EAGLE TECHNOLOGY CO LTD	AMT-P2-75°C	Rated 125V, 75°C	cURus
3	15	PTC Heater Element	DONGGUAN LONGYANG ELECTRONIC TECHNOLOGY CO LTD	LYB-120-1500	Ceramic PTC: 120V, 1500W	cURus
			KAI YI ELECTRIC HEATING(M) SDN. BND.	LYB-120-1500		
			DONGGUAN CITY LONGKEY ELECTRONIC CO LTD	RFB-120-1500		
3	16	Closed End Connector	HEAVY POWER CO LTD	CE2	Rated 300V, 105°C, 22-10AWG	cURus
			VARIOUS	VARIOUS		
3	17	Internal Wire	VARIOUS	1015	16-24AWG, Rated 600V, 105°C	cURus
3	18	Heat Shrinkable Sleeve (Not Shown)	DONGGUAN SALIPT CO LTD	Salipt S-901-600	Rated 600V, 125°C, VW-1. Color - All except clear.	cURus
			VARIOUS	VARIOUS		
1	19	Display Lens	LG CHEM LTD	LUPOY GN1006F(m)	Rated V-0, 110°C, minimum 2.5mm thick. (Color - All)	cURus
			SILVER AGE ENGINEERING PLASTICS (DONGGUAN) CO LTD	230	Rated V-0, 80°C, minimum 0.8mm thick. (Color - NC, RD)	cURus
4a	20	Control Top	LG CHEM HUIZHOU PETROCHEMICAL CO LTD	AF312B	Rated V-0, 70°C, minimum 2.1mm thick. (Color - All)	cURus
			LOTTE CHEMICAL CORPORATION	VH-0815(+)	Rated V-0, 85°C, minimum 2.0mm thick. (Color - All)	cURus

4.0 Critical Components						
Photo #	Item no.[1]	Name	Manufacturer/ trademark[2]	Type / model[2]	Technical data and securement means	Mark(s) of conformity [3]
4a	21	Tilt Motor Bracket	LG CHEM HUIZHOU PETROCHEMICAL CO LTD	AF312B	Rated V-0, 70°C, minimum 2.1mm thick. (Color - All)	cURus
			LOTTE CHEMICAL CORPORATION	VH-0815(+)	Rated V-0, 85°C, minimum 2.0mm thick. (Color - All)	cURus
4b	22	Front Grill	LG CHEM HUIZHOU PETROCHEMICAL CO LTD	AF312B	Rated V-0, 70°C, minimum 2.1mm thick. (Color - All)	cURus
			LOTTE CHEMICAL CORPORATION	VH-0815(+)	Rated V-0, 85°C, minimum 2.0mm thick. (Color - All)	cURus
4b	23	Rear Grill	LG CHEM HUIZHOU PETROCHEMICAL CO LTD	AF312B	Rated V-0, 70°C, minimum 2.1mm thick. (Color - All)	cURus
			LOTTE CHEMICAL CORPORATION	VH-0815(+)	Rated V-0, 85°C, minimum 2.0mm thick. (Color - All)	cURus
4b	24	Blade	POLYROCKS CHEMICAL CO LTD	5000(f1)	Rated V-0, 120°C, minimum 0.75mm thick. (Color - All)	cURus
			SILVER AGE ENGINEERING PLASTICS (DONGGUAN) CO LTD	433+	Rated V-0, 110°C, minimum 0.75mm thick. (Color - All)	cURus
4b	25	Badge	LG CHEM HUIZHOU PETROCHEMICAL CO LTD	AF312B	Rated V-0, 70°C, minimum 2.1mm thick. (Color - All)	cURus
			LOTTE CHEMICAL CORPORATION	VH-0815(+)	Rated V-0, 85°C, minimum 2.0mm thick. (Color - All)	cURus
4b	26	Fan Motor Bracket	POLYROCKS CHEMICAL CO LTD	5000(f1)	Rated V-0, 120°C, minimum 0.75mm thick. (Color - All)	cURus
			SILVER AGE ENGINEERING PLASTICS (DONGGUAN) CO LTD	433+	Rated V-0, 110°C, minimum 0.75mm thick. (Color - All)	cURus

4.0 Critical Components						
Photo #	Item no.[1]	Name	Manufacturer/ trademark[2]	Type / model[2]	Technical data and securement means	Mark(s) of conformity [3]
4b	27	DC Motor	RISHENG ELECTRICAL APPLIANCE CO LTD	2034409	Rated 24VDC, 1.5A. Class A. Imedance protected.	See 5.0
				2033423	Rated 24VDC, 1.5A. Class A. Imedance protected.	See 5.0
4c	28	Fan Trim	LG CHEM HUIZHOU PETROCHEMICAL CO LTD	AF312B	Rated V-0, 70°C, minimum 2.1mm thick. (Color - All)	cURus
			LOTTE CHEMICAL CORPORATION	VH-0815(+)	Rated V-0, 85°C, minimum 2.0mm thick. (Color - All)	cURus
4c	29	Fan Shroud (Not Shown)	LG CHEM HUIZHOU PETROCHEMICAL CO LTD	AF312B	Rated V-0, 70°C, minimum 2.1mm thick. (Color - All)	cURus
			LOTTE CHEMICAL CORPORATION	VH-0815(+)	Rated V-0, 85°C, minimum 2.0mm thick. (Color - All)	cURus
4c	30	Fan Outer Bushing+Inner Bushing+Fan Pivot Bushing+Cam	KINGFA SCI & TECH CO LTD	PA66-RG301	Rated V-0, 115°C, minimum 0.75mm thick. (Color - All)	cURus
5	31	Power Board	TOPAPEX TECHNOLOGY CO LTD	2034130	Rated 120V, 60Hz. Consists of components 31a - 31k.	NR
			RISHENG ELECTRICAL APPLIANCES CO LTD	2034130		
5	31a	PCB	SHYE FENG (DONGGUAN) CO LTD	66V0	Recognized component (ZPMV2) SS, Rated V-0, 130°C, 1.6mm	UR
			VARIOUS	VARIOUS		
5	31b	Current Fuse	SHENZHEN LANSON ELECTRONICS CO LTD	SMT	Rated 1.6A, 250V (Shown on PCB as FUSE1)	cURus
			XC ELECTRONICS (ZHENZHEN) CORP LTD	5TE		
			VARIOUS	VARIOUS		

4.0 Critical Components						
Photo #	Item no.[1]	Name	Manufacturer/ trademark[2]	Type / model[2]	Technical data and securement means	Mark(s) of conformity [3]
5	31c	X2 Capacitor	GUANGDONG SONGTIAN ELECTRONIC INDUSTRIAL CO LTD	MPX	Rated 0.22uF, 275V (Shown on PCB as MC1) Used for Topapex Power Board	cURus
			GUANGDONG JURCC ELECTRONICS CO LTD	MPX/MKP	Rated 0.22uF, 275V (Shown on PCB as CX1) Used for Risheng Power Board	
			VARIOUS	VARIOUS	Rated 0.22uF, 275V Rated 0.22uF, 275V (Shown on PCB as MC1/CX1)	
5	31d	Varistor	HUIZHOU SONGLONGXINDIAN ELECTRONICS TECHNOLOGY CO LTD	07D271K	Rated 270V, 85°C (Shown on PCB as RV1) Used for Risheng Power Board	cURus
			SHAANIXI HUAXING ELECTRONICS GROUP CO.,LTD	MYG20G07K271	Rated 270V, 125°C (Shown on PCB as ZNR1) Used for Topapex Power Board	
			VARIOUS	VARIOUS	Rated 270V, 85°C Rated 270V, 125°C	
5	31e	Y Capacitor	GUANGDONG JURCC ELECTRONICS CO LTD	JT222M	Rated 2200pF, 400V, 125°C, Y1 (Shown on PCB as CY1, MC2)	cURus
			VARIOUS	VARIOUS		
5	31f	Relay	SHENZHEN GOLDEN ELECTRICAL APPLIANCES CO LTD	GH-1A-24L	Rated 125V, 15A, TV-5 (Shown on PCB as RY1, RY2) (Shown on PCB as RE1, RE2)	cURus
				GH-1A-12L		
			DONGGUAN SANYOU ELECTRICAL APPLIANCES CO LTD	SRD-S-124DM	Rated 125V, 15A, TV-5 (Shown on PCB as RY1, RY2) (Shown on PCB as RE1, RE2)	cURus
				SRD-S-112DM		
			ZHEJIANG YUEQING MEISHUO ELECTRIC CO LTD	MPA-S-124-A	Rated 125V, 15A, TV-5 (Shown on PCB as RY1, RY2) (Shown on PCB as RE1, RE2)	cURus
				MPA-S-112-A		

4.0 Critical Components						
Photo #	Item no.[1]	Name	Manufacturer/ trademark[2]	Type / model[2]	Technical data and securement means	Mark(s) of conformity [3]
5	31g	Electrolytic Capacitor	VARIOUS	VARIOUS	Rated 68uF,200V (Risheng Shown as EC2, EC3) (Topapex Shown as EC1, EC2)	NR
					Rated 4.7uF, 50V (Risheng Shown as EC4) (Topapex Shown as EC3)	
					Rated 680uF, 35V (Risheng Shown as EC6, EC7) (Topapex Shown as EC4, EC5)	
					Rated 100uF, 35V (Risheng Shown as EC8) (Topapex Shown as EC8)	
					Rated 100uF, 25V (Risheng Shown as EC9, EC10, EC11)	
					Rated 220uF, 16V (Risheng Shown as EC12) (Topapex Shown as EC6, EC7)	
					Rated 100uF, 35V (Risheng Shown as EC13) (Topapex Shown as EC9)	
5	31h	Connectors	VARIOUS	XH Series	Rated Min 3A, 250V, 85°C Plastic ratings must comply with item 31h.1.	UR
				VH Series		
5	31h.1	Connectors Plastic (Not Shown)	GINAR TECHNOLOGY CO LTD	A0050FN(+)	Rated V-0, 120°C, 0.8mm thick. (Color - All)(+) – May be replaced by one to five numbers and/or letters, denoting color codes.	cURus
5	31i	NTC	VARIOUS	5D-9	10K3950±2% (Shown on PCB as NTC, NTC1)	NR
5	31j	Transformer	GUANGDONG GUOCIELECTRONICS LIMITED	EE22	Input: 120V, 60Hz Output: 24VDC, 1.5A (Shown on PCB as TR1)	See 5.0
5	31k	Triac (Not Shown)	BRIGHT HORIZON TECHNOLOGY (ZHONGSHAN) LIMITED	WDDA87	Rated 800V, 1A	NR
			VARIOUS	VARIOUS		
7	32	Control Board	TOPAPEX TECHNOLOGY CO LTD	2034131	Rated 5V, 60Hz. Consists of components 32a - 32c.	NR
			RISHENG ELECTRICAL APPLIANCES CO LTD	2034131		
7	32a	PCB	SHYE FENG (DONGGUAN) CO LTD	990V0	Recognized component (ZPMV2) SS, Rated V-0, 130°C, 1.6mm	UR

4.0 Critical Components						
Photo #	Item no.[1]	Name	Manufacturer/ trademark[2]	Type / model[2]	Technical data and securement means	Mark(s) of conformity [3]
			VARIOUS	VARIOUS		
7	32b	Photoelectric Tip Over Switch	BAI LING ELECTRONICS CO.,LTD.	BL-1250-45 BL-3030-45	Rated 5VDC (Shown on PCB as SW1, SW15)	NR
7	32c	Buzzer	VARIOUS	VARIOUS	Rated 5VDC (Shown on PCB as BUZZ, BUZ1)	NR
1	33	Power Cord (Not Shown)	VARIOUS	HPN-R	16AWGx2, 105°C, VW-1, 300V. Cord length between 6ft (1.8m) and 8ft (2.4m). Means of strain relief provided by routing cord under Oscillation Adapter.	cURus or cETLus
1	33a	Plug (Not Shown)	RISHENG ELECTRICAL APPLIANCES CO LTD	DE-203	Recognized component (ELBZ7) NEMA, 1-15P, Rated 15A, 125V. Plug used must be listed appropriate for Power Cord as mentioned on item 33.	cETLus Recognized
			VARIOUS	VARIOUS		cURus or cETLus
1	33b	Cord Tag (Not Shown)	LASKO PRODUCTS LLC	TYVEK L 1057D	For use with HPN-R cord, component is not marked with ETL mark, refer to ETL report 100775497CRT-001	ETLus Recognized
1	33c	Caution Marking Label (Not Shown)	LIAN YI PRINTING CO LTD	LY-03	Rated Surface: Polypropylene -40 to 80°C.	UR
1	33d	Rating Label (Not Shown)	LIAN YI PRINTING CO LTD	LY-03	Rated Surface: Polypropylene -40 to 80°C.	UR
1	34	Remote (Not Shown)	LG CHEM HUIZHOU PETROCHEMICAL CO LTD	HP181	Rated HB, 75°C, minimum 1.6mm thick. (Color - All) Remote control uses two "AAA" batteries.	cURus
			NINGBO LG YONGXING CHEMICAL CO LTD	HI-121H	Rated HB, 80°C, minimum 1.5mm thick. (Color - All) Remote control uses two "AAA" batteries.	cURus

NOTES:

1) Not all item numbers are indicated (called out) in the photos, as their location is obvious.

2) “Various“ means any type, from any manufacturer that complies with the "Technical data and securement means" and meets the "Mark(s) of conformity" can be used.

3) Indicates specific marks to be verified, which assures the agreed level of surveillance for the component. "NR" - indicates Unlisted and only visual examination is necessary. "See 5.0" indicates Unlisted components or assemblies to be evaluated periodically refer to section 5.0 for details.

5.0 Critical Unlisted CEC Components

INSULATED COIL				
Photo #	Item no.	Name	Manufacturer/Trademark	Type / model
4b	27	DC Motor	RISHENG ELECTRICAL APPLIANCE CO LTD	2034409
Electrical Rating:	24VDC, 1.5A			Insulation class A
Component Standard used:	UL 1004-1, UL 1004-3, CSA C22.2 No. 77, CSA C22.2 No. 100			

MATERIALS LIST (refer to illustration 5 for assembly drawing)

Component	Manufacturer	Type/model	Dimensions/thickness/assembly information
Bearing	kao Cheng Precision Tech. (Shen Zhen)Co.,Ltd	698Z or 608RS	φ8*19*6mm
		608Z	φ8*22*6mm
Rotor Bowl	Xiongchang Harduare Factory	SPCC	φ61*φ59*19mm
Shaft	WuHan Steel&Iron Manufactory	#45	φ8 *65mm
Stator	Wuhan Steel & Iron Manufactory	H800	φ52mm*φ21*10mm
Wire	Various	UL 1007	22AWG/3C, 300V, 80°C, Recognized component
Motor Driver PCB	Various	24V, 1.5A	24V 1.5A, 1.6mm PCB FR4
Winding	Risheng Electrical Appliances Factory No 2 Plant	QA-1 1UEW	Φ0.45mm*70

WINDING(S) RESISTANCE

Winding Designation	Wire Size (mm^2)	Wire Type	Turns	Volts	Amps	DC resistance (Ω) +10% & -20%:
Main	0.45	QA-1 1UEW	70	24	0.5	1.4

VERIFICATION PROCESS

Frequency: **Annual**	Test Site: **CEC**	Number of samples to test: **1**

Test Name	Test Parameters		
Winding resistance	See resistance per winding above.		
Dielectric Strength	Apply voltage Between	Test Voltage	Test Time
	Primary to core	500V	60s
	Primary to secondary	-	-
	Secondary to core	-	-

5.0 Critical Unlisted CEC Components

INSULATED COIL

Photo #	Item no.	Name	Manufacturer/Trademark	Type / model
4b	27	DC Motor	RISHENG ELECTRICAL APPLIANCE CO LTD	2033423

Electrical Rating: 24VDC, 1.5A Insulation class A

Component Standard used: UL 1004-1, UL 1004-2, CSA C22.2#77, CSA C22.2#100

MATERIALS LIST (refer to illustration 6 for assembly drawing)

Component	Manufacturer	Type/model	Dimensions/thickness/assembly information
Rotor Bowl	Xiongchang Harduare Factory	SPCC	φ61*φ59*19mm
Shaft	WuHan Steel&Iron Manufactory	45#	φ8 *65mm
"E"Ring	Angang Steel Company Limited	SK5	φ12 *6*1mm
Magnet	Magnet(Ningbo) Co., LTD.	Plastic magnetic	oe: 1000GS φ59mm*φ52.8mm*19mm
Bearing	Kao Cheng Precision Tech. (Shen Zhen) Co.,Ltd	608Z	φ8*22*6mm
		698Z or 608RS	φ8*19*6mm
Waveform shrapnel	Huifeng Harduare Factory	φ18mm*φ12*0.2mm	φ18mm*φ12*0.2mm
Stator	WuHan Steel&Iron Manufactory	H800	φ52mm*φ21*10mm
Motor driver PCBA	Various	24V 1.5A	24V 1.5A, PCB 1.6MM
Rip Cord	Dongguan Xiehe Wire Co Ltd Various Dongguan Zelongkang Wire Co., Ltd	UL 1007	80°C, 300V, 22AWG, VW-1
Winding	Risheng Electrical Appliances Factory No 2 Plant	QA-1 1UEW	Φ0.43mm*67

WINDING(S) RESISTANCE

Winding Designation	Wire Size (mm^2)	Wire Type	Turns	Volts	Amps	DC resistance (Ω) +/- 10%:
Main	0.43	QA-1 1UEW	67	24	0.5	1.27

VERIFICATION PROCESS

Frequency: **Annual** Test Site: **CEC** Number of samples to test: **1**

Test Name	Test Parameters		
Winding resistance	See resistance per winding above.		
Dielectric Strength	Apply voltage Between	Test Voltage	Test Time
	Primary to core	500V	60s
	Primary to secondary	-	-
	Secondary to core	-	-

5.0 Critical Unlisted CEC Components

INSULATED COIL

Photo #	Item no.	Name	Manufacturer/Trademark	Type / model
5	31j	Transformer	GUANGDONG GUOCIELECTRONICS LIMITED	EE22

Electrical Rating:	Input: 120V, 60Hz ; Output: 24VDC, 1.5A	Insulation class
Component Standard used:	UL 1278	

MATERIALS LIST (refer to illustration 7 for assembly drawing)

Component	Manufacturer	Type/model	Dimensions/thickness/assembly information
Core	Haining Shi Zhing	ZP44	
Bobbin	Chang Chun	T375HF	150°C, V-0
Triple Insulating Wire	SHEN ZHEN	DRTIW-B	130°C, Re-inforced Insulation
Winding	DONG GUAN YIDA INDUSTRIAL CO	QA-X/155 xUEW/155	155°C
Varnish	Zhuai Changxian	E962	130°C, MW-28C
Tape	Xinhuahui Plastic	HMT803	130°C, 3 layers

WINDING(S) RESISTANCE

Winding Designation	Wire Size (mm^2)	Wire Type	Turns	Volts	Amps	DC resistance (Ω) +/- 10%:
N1	0.4	2UEW	37	-	-	0.31
N2	0.16	DRTIW-B	8	-	-	0.335
N3	0.6	2UEW	10	-	-	0.032
N4	0.4	2UEW	14	-	-	0.31

VERIFICATION PROCESS

Frequency: **Annual**	Test Site: **CEC**	Number of samples to test: **1**

Test Name	Test Parameters		
Winding resistance	See resistance per winding above.		
Dielectric Strength	Apply voltage Between	Test Voltage	Test Time
	Primary to core	1240V	60s
	Primary to secondary	2500V	60s
	Secondary to core	500V	60s

6.0 Critical Features

Recognized Component - A component part, which has been previously evaluated by an accredited certification body with restrictions and must be evaluated as part of the basic product considering the restrictions as specified by the Conditions of Acceptability.

Listed Component - A component part, which has been previously Listed or Certified by an accredited Certification Organization with no restrictions and is used in the intended application within its ratings.

Unlisted Component - A part that has not been previously evaluated to the appropriate designated component standard. It may also be a Listed or Recognized component that is being used outside of its evaluated Listing or component recognition.

Critical Features/Components - An essential part, material, subassembly, system, software, or accessory of a product that has a direct bearing on the product's conformance to applicable requirements of the product standard.

Construction Details - For specific construction details, reference should be made to the photographs and descriptions. All dimensions are approximate unless specified as exact or within a tolerance. In addition to the specific construction details described in this Report, the following general requirements also apply.

1. Spacing - In primary circuits, 1.6mm minimum spacing are maintained through air and over surfaces of insulating material between current-carrying parts of opposite polarity and 1.6 mm minimum between such current-carrying parts and dead-metal parts or low voltage isolated circuits.
2. Mechanical Assembly - Components such as switches, fuseholders, connectors, wiring terminals and display lamps are mounted and prevented from shifting or rotating by the use of lockwashers, starwashers, or other mounting format that prevents turning of the component.
3. Corrosion Protection - All ferrous metal parts are protected against corrosion by painting, plating or the equivalent.
4. Accessibility of Live Parts - All uninsulated live parts in primary circuitry are housed within a non-metallic enclosure constructed with no openings other than those specifically described in Sections 4 and 5.
5. Grounding - This product is not provided with a means of grounding as it is rated for 120V indoor use only.
6. Polarized Connection -This product is provided with a polarized power supply connection. All single pole switches and fuses are connected only to the ungrounded supply circuit conductor.
7. Internal Wiring - Internal wiring is routed away from sharp or moving parts. Internal wiring leads terminating in soldered connections are made mechanically secure prior to soldering. Recognized Component separable (quick disconnect) connectors of the positive detent type, closed loop connectors, or other types specifically described in the text of this report are also acceptable as internal wiring terminals. At points where internal wiring passes through metal walls or partitions, the wiring insulation is protected against abrasion or damage by plastic bushings or grommets. For the minimum applicable wiring ratings see Section 4.0.
8. Schematics - Refer to Illustration No. 1, 2 for schematics requiring verification during Field Representative Inspection Audits. Verify power switch is located on the line side of the circuit.
9. Markings - The product is marked on a labeling system as described in item no. 33d of Section 4.0 as follows:

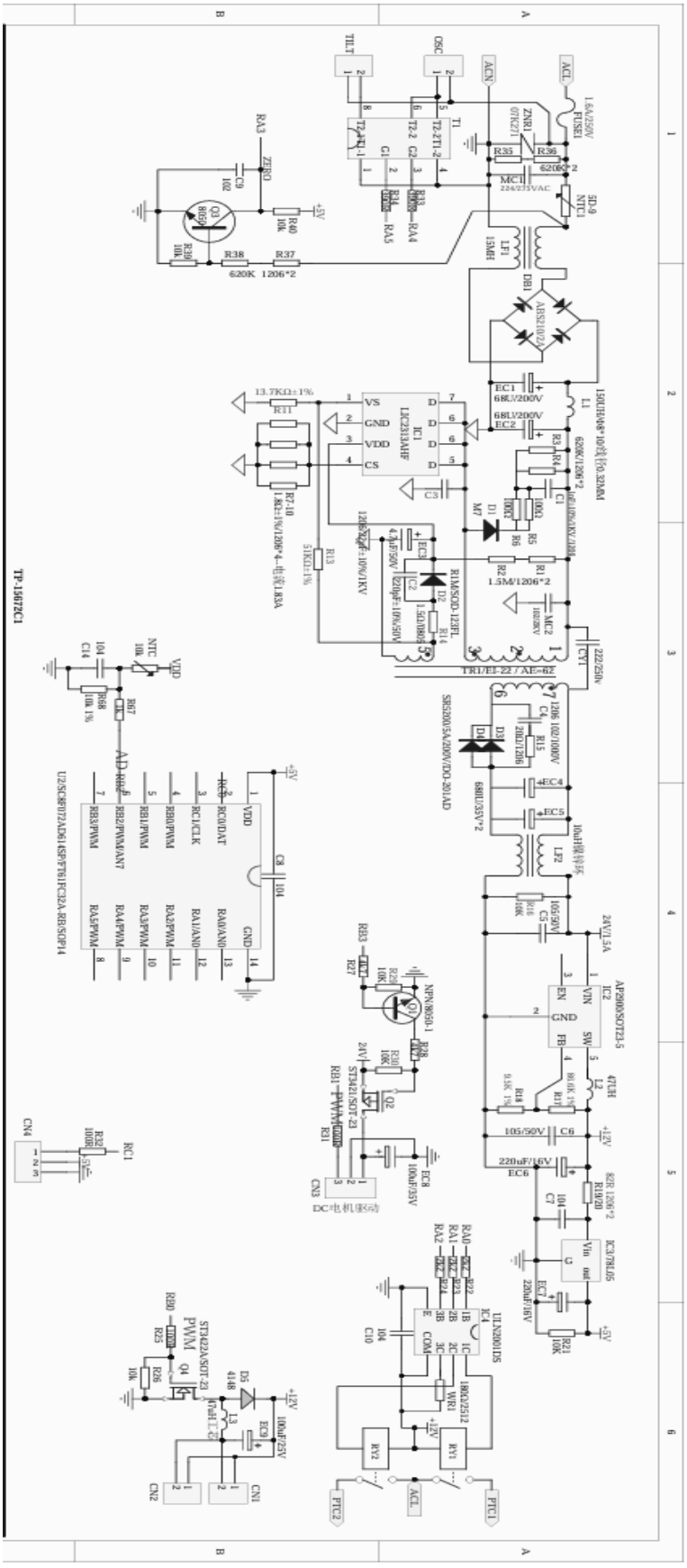
   • Brand Name or Applicants name
   • Model number.
   • Date of manufacture
   • Electrical rating (volts, amperes and/or power & frequency)
   • Factory designation
10. Cautionary Markings - Refer Item 33c of section 4. The product shall be plainly marked "CAUTION" and the following cautionary marking that shall be visible from a point 1.5 m above the floor and between 0.3 and 1.2 m away from the front surface of the heater when the heater is placed in the intended use location and the marking shall be in letters not less than 3.2 mm in height and shall be of a permanent type and in a color that contrasts with that of the enclosure or background.

    Refer to Illustration 4 for details and wording.

6.0 Critical Features
11. Cord Tag Marking - Refer to Item 33b of section 4. The statements "WARNING - TO REDUCE THE RISK OF FIRE" and "DO NOT REMOVE THIS TAG!" shall be in letters at least 3/16 inch(4.8 mm) in height. The remaining text shall be in letters of at least 1/16 inch (1.6 mm) in height. The tag shall be a flag-type cord tag with an adhesive back. The tag is to be wrapped tightly once around and is to adhere to the supply cord. The ends of the tag are to adhere to each other and projectas a flag. The required markings are to be positioned on the projecting flag portion of the tag. Refer to Illustration 4a for details and wording.
12. Carton Markings - The product shall include the following information pertaining to the heater features and its use conditions. It shall be included on the external surface of the packaging of the heater. All information shall be grouped together and appear on one side, except the bottom of the packaging. Refer to Illustration 4b for details and wording. Heater carton information: WARNING Rated: 120 Volts AC, 12.5 AMPS, 60HZ Use only with a standard polarized 120V AC outlet. It is intended for use on the floor. Always plug heaters directly into a wall outlet/receptacle. Never use with an extension cord or relocatable power tap (outlet/power strip). This heater is hot when in use. To avoid burns, do not let bare skin touch hot surfaces. If provided, use handles when moving this heater. Keep combustible materials, such as furniture, pillows, bedding, papers, clothes, and curtains at least 3 feet (0.9m) from the front of the heater and keep themaway from the sides and rear. The product is not to be used in bathrooms, laundry areas or other similar locations.
13 Removable Warning Label - The label shall be temporarily affixed and be readily visible on the heater and shall allow easy removal of the label. Refer to Illustration 4c for details and wording.
14. Installation, Operating and Safety Instructions - Instructions for installation and use of this product are provided by the manufacturer. Refer to Illustration No(s). 3, 3a, 3b for details.

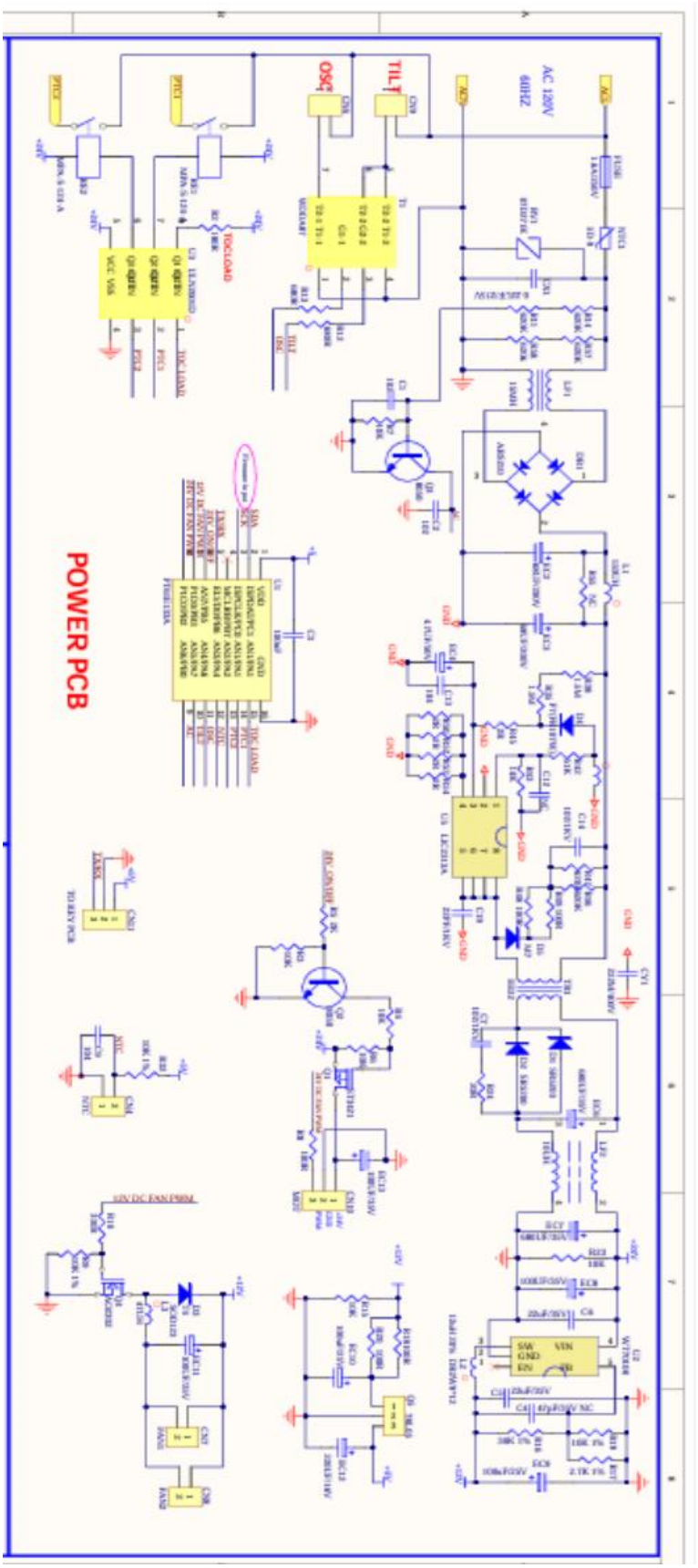
7.0 Illustrations

Illustration 1 - Power Schematic Topapex



7.0 Illustrations

Illustration 2 - Power Schematic Risheng



7.0 Illustrations

Illustration 3 - Safety Instructions

READ ALL INSTRUCTIONS BEFORE USING THIS HEATER.

⚠ WARNING

IMPORTANT SAFETY INSTRUCTIONS

When using electrical appliances, these instructions and warnings should always be followed to reduce the risk of fire, electrical shock, injury to persons and hyperthermia:

TO REDUCE THE RISK OF FIRE, ELECTRICAL SHOCK OR PERSONAL INJURY, ALWAYS FOLLOW THESE IMPORTANT SAFETY INSTRUCTIONS AND WARNINGS:

Plug heaters directly into a 120v wall outlet/receptacle only. Never use with an extension cord. Do not plug heater into any other cord connected device, such as a power strip, surge protector, multiple outlet adapter, cord reel or outlet-type air freshener. The use of such devices may create a fire hazard. Do not plug multiple devices in the same outlet or on same circuit as heater.

Faulty wall outlet connections may cause the wall outlet to overheat. Be sure that heater plug fits tightly into outlet before each use. During use, check to make certain the heater plug is not overheating. If necessary have a qualified electrician check and/or replace the wall outlet. Do not use this heater with any solid state speed control devices.

Make certain that the power source conforms to the electrical requirements of the heater.

Extreme caution is necessary when any heater is used by or near children or invalids. The heater should not be left operating unattended. Never leave children unattended when the heater is on or plugged in.

This appliance has a polarized plug (one blade is wider than the other). To reduce the risk of electric shock, this plug is intended to fit in a polarized outlet only one way. If the plug does not fit fully in the outlet, reverse the plug. If it still does not fit, contact a qualified electrician. Do not attempt to defeat this safety feature.

Do not use the heater in areas where gasoline, paint, or flammable liquids are used or stored. Do not use heater in locations where flammable or explosive chemicals are stored, or in wet atmospheres.

Do not operate any heater with a damaged cord or plug or after the heater malfunctions, or has been dropped or damaged in any manner. To disconnect heater, turn the heater off then remove the plug from the outlet.

Always unplug heater when not in use. Unplug power cord before servicing or moving the heater.

Do not insert or allow fingers or foreign objects to enter any ventilation or exhaust opening as it may cause an electric shock, fire, or damage the heater. Do not block or tamper with the heater in any manner while it is in operation.

Do not block air intakes or exhaust in any manner. Do not place on soft surfaces, like a bed, where openings may become blocked. Do not depend on the on/off switch as the sole means of disconnecting power when servicing or moving the heater. Always unplug the power cord.

Hyperthermia can result in death. Symptoms of hyperthermia include high body temperature, headache, nausea, vomiting, tiredness, dizziness, fainting, and rapid pulse. If you begin to experience symptoms related to hyperthermia, turn off the heater and seek medical attention.

To avoid excessive room temperatures which can cause hyperthermia: DO NOT leave product running unattended in a confined space around infants, or individuals with reduced physical, sensory, or mental capabilities.

⚠ CAUTION

- Always unplug heater when not in use. Unplug power cord before servicing or moving the heater.
- Do not insert or allow fingers or foreign objects to enter any ventilation or exhaust opening as it may cause an electric shock, fire, or damage the heater. Do not block or tamper with the heater in any manner while it is in operation.
- Do not block air intakes or exhaust in any manner. Do not place on soft surfaces, like a bed, where openings may become blocked. Do not depend on the on/off switch as the sole means of disconnecting power when servicing or moving the heater. Always unplug the power cord.
- Always place the heater on a stable, flat, level surface when operating, to avoid the chance of the heater overturning. Locate the power cord so the heater or other objects are not resting on it. Do not run power cord under carpeting. Do not cover power cord with throw rugs, runners, or similar coverings as this may cause cord to overheat. Arrange power cord away from room traffic and where it will not be tripped over.
- This heater is hot when in use. To avoid burns, do not let bare skin touch hot surfaces. Always use handle when moving this heater. Keep combustible materials, such as furniture, pillows, bedding, papers, clothes and curtains at least 3 feet (0.9 M) from the front of the heater and keep them at least 1 foot (0.3 M) from the sides and rear.
- This heater is not intended for use in wet or damp locations. This heater is not intended for use in bathrooms, laundry areas and similar indoor locations. Never locate a heater where it may fall into a bathtub or other water container.
- Do not use heater outdoors.
- This heater is not suitable for use in agricultural facilities including areas where livestock, poultry or other animals are confined. Please refer to national electric code (nec) article 547-7 (2008), or applicable state or local codes or standards relating to electrical requirements for agricultural buildings. This heater does not meet the requirements of nec article 547-7 (2008).
- This heater is not suitable for use in hazardous locations. Please refer to national electric code (nec) article 500 or applicable state or local codes or standards relating to electrical requirements for hazardous locations. This heater does not meet the requirements of nec article 500 (2008).
- Remote controls for other appliances or electronic equipment can sometimes interfere with the operation of this heater. If this occurs, move the heater to another location.
- Keep heater remote control unit away from chairs and your bed where it may be sat or laid upon and inadvertently turn on the heater.
- Use this heater only as described in this manual. Any other use not recommended by the manufacturer may cause fire, electric shock, or injury to persons.

SAVE THESE INSTRUCTIONS

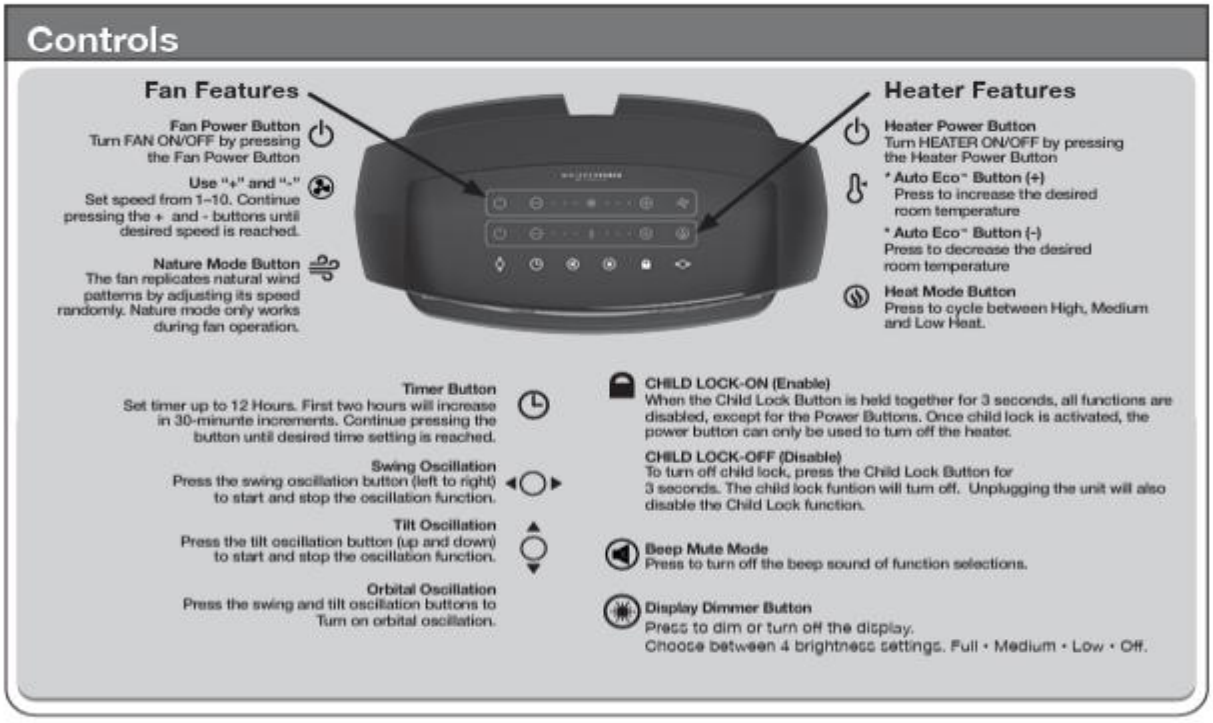
REMOTE CONTROL:

- Install two "AAA" batteries (not included).
- Do not mix old and new batteries. Do not mix alkaline, standard (carbon-zinc) or rechargeable (nickel-cadmium) batteries.
- Do not dispose of batteries in fire. Batteries may explode or leak.
- Always purchase the correct size and grade of battery most suitable for the intended use.
- Replace all batteries of a set at the same time.
- Clean the battery contacts and also those of the device prior to battery installation.
- Ensure the batteries are installed correctly with regards to polarity (+ and -).
- Remove batteries from equipment that is not to be used for an extended period of time.
- Remove used batteries promptly.

New 6/26 2 FHC200ES

7.0 Illustrations

Illustration 3a - Safety Instructions



Nature Mode - The fan replicates natural wind patterns by adjusting its speed randomly. Nature mode only works during fan operation.

Auto Mode -Lights up when Automatic temperature mode is activated.

Fan Only Mode -Lights up when the fan speed is activated. Set speed from 1-10.

Timer Mode - Lights up when Timer is activated.

Child Lock - Lights up when Child Lock is activated.

ROOM TEMPERATURE DISPLAY
Digital display shows room temperature in all heat modes.

***AUTO ECO™ THERMOSTAT**

Pressing the (+) or (–) buttons while in any Heater function or speed will turn on the Auto Eco™ function.

1. To set the room at a specific temperature press the (+) or (–) buttons to the desired temperature. The Unit is now in Auto Eco™ Mode.
2. When you reach the temperature at which you want to set the unit, the set temperature will flash several times and then the display will return to indicate the current room temperature and will gradually change as the room temperature changes. NOTE: the temperature display does not indicate the temperature of the heated air being emitted by the Unit.
3. Heater will run on HIGH heat when the ambient temperature is less than the set temperature.
4. Heater will run on LOW heat when ambient temperature reaches set temperature and will continue to run on LOW heat until ambient temperature reaches 2 degrees fahrenheit above set temperature.
5. Heater will turn OFF once the ambient temperature is greater than 2 degrees fahrenheit above set temperature. The fan will continue to run for 15 seconds after the heater element is turned off.

All of this happens automatically with Lasko Auto Eco™ Technology. To deactivate the Auto Eco™ function, turn the Unit off or press the heat mode button.

NOTE: In Auto Eco™, the Unit will display the current room temperature in ° Fahrenheit. Press the (+) and (–) buttons at the same time to change the display to ° Celsius. Press the same two buttons together again to change the display back to ° Fahrenheit.

New 6/26 3 FHC200ES

7.0 Illustrations

Illustration 3b - Safety Instructions

⚠ WARNING TO REDUCE THE RISK OF FIRE, ELECTRICAL SHOCK OR PERSONAL INJURY, ALWAYS FOLLOW THESE IMPORTANT SAFETY INSTRUCTIONS AND WARNINGS:

MAINTENANCE

- Always unplug the cord before moving, servicing or cleaning.
- Never place the heater in or near water.
- Clean the heater only with a vacuum equipped with a brush attachment; the vacuum will remove the lint and dirt from inside the heater.
- Vacuum intake grills every two weeks; this will help to maintain the optimum heater performance.
- Never attempt to take apart the heater.
- Clean the body of the heater with a soft cloth only.
- Never use alcohol or solvents such as gasoline, benzene, paint thinner, or other harsh cleaners.

TROUBLE SHOOTING TIPS

If your heater fails to operate, see below for a list of solutions:

- Check to see if Child lock is on. (Reference page 3)
- Be sure the power cord is plugged into a working electrical outlet.
- Make certain the batteries in the remote control are new and properly installed.
- Check your temperature setting. The heater may be off because it has reached the desired temperature setting.
- If your heater runs for several minutes and shuts off repeatedly, your heater may require cleaning. See maintenance section above.

STORAGE: Store the heater with these instructions, in the original carton in a cool, dry place.

LUBRICATION: Motor is permanently lubricated. No maintenance is required.

DISPOSITION: Corrugated packaging materials are recyclable. For environmentally responsible disposal of this product, contact your local waste service provider or visit www.1800recycling.com®.

SAFETY FEATURE

- A Tip-Over Switch is built in to prevent operation if the heater is tipped over.
- A thermal overload protector is built in to prevent overheating.
- If an overheat temperature is reached, the heater will automatically shut off.
- It can only resume operation when the user resets the unit.

To Reset Heater:

- Unplug the heater and wait 10 minutes for the heater to cool down.
- After the heater has cooled down, plug the unit into a 120V~ electrical outlet and follow the operation instructions described in this manual.

Remove the Grille

Push tab in to release, then remove the grille cover from the back of the Heater.

Vacuum intake grilles every two weeks; this will help to maintain the optimum heater performance.

To reinstall the grille cover, insert the tabs at the bottom of the grille cover into the heater's slots. Then press the tab until it locks securely into place.

LASKO PRODUCTS, LLC LIMITED WARRANTY (VALID IN U.S. AND CANADA ONLY)

What this warranty covers: This product is warranted against defects in workmanship and/or materials.

How long this warranty lasts: This warranty extends only to the original purchaser of the product and lasts for three (3) years from the date of original purchase or until the original purchaser of the product sells or transfers the product, whichever first occurs.

What Lasko will do: During the warranty period, Lasko will, at its sole option, repair or replace any part or parts that prove to be defective or replace the whole product with the same or comparable model. For all warranty claims, the product must be returned to Lasko Products, LLC at customer's expense with proof of purchase within the warranty period. Contact the Lasko customer service department to obtain a Return Authorization ("RA"). Do not return products without an RA or the warranty claim will not be processed.

What this warranty does not cover: This warranty does not apply if the product was damaged or failed because of accident, improper handling or operation, shipping damage, abuse, misuse, or unauthorized repairs made or attempted. This warranty does not cover shipping costs for the return of products to Lasko for repair or replacement. Lasko will pay return shipping charges from Lasko following warranty repairs or replacement.

Any and all warranties, expressed or implied (including, without limitation, any implied warranty of merchantability), last three years from the date of original purchase or until the original purchaser of the product sells or transfers the product, whichever first occurs and in no event shall lasko's liability under any express or implied warranty include (i) incidental or consequential damages from any cause whatsoever, or (ii) replacement or repair of any house fuses, circuit breakers or receptacles. Notwithstanding anything to the contrary, in no event shall lasko's liability under any express or implied warranty exceed the purchase price of the product and any such liability shall terminate upon the expiration of the warranty period.

Some states and provinces do not allow limitations on how long an implied warranty lasts, or the exclusion or limitation of incidental or consequential damages, so these exclusions or limitations may not apply to you. This warranty gives you specific legal rights. You may also have other rights which vary from state to state and province to province.

Proof of purchase is required before a warranty claim will be accepted.

CUSTOMER SERVICE:
Email: producthelp@lasko.com. Web: www.lasko.com

Our Customer Service team is available to assist you with product service questions and replacement parts. Chat with us at www.lasko.com Monday-Friday 8am - 9pm EST (Valid in U.S. and Canada only). Please have your model number available, as well as the type and style (located on the underside of your product).

Customer Service Dept.,
820 Lincoln Ave., West Chester, PA 19380 (Please do not send product to this location)

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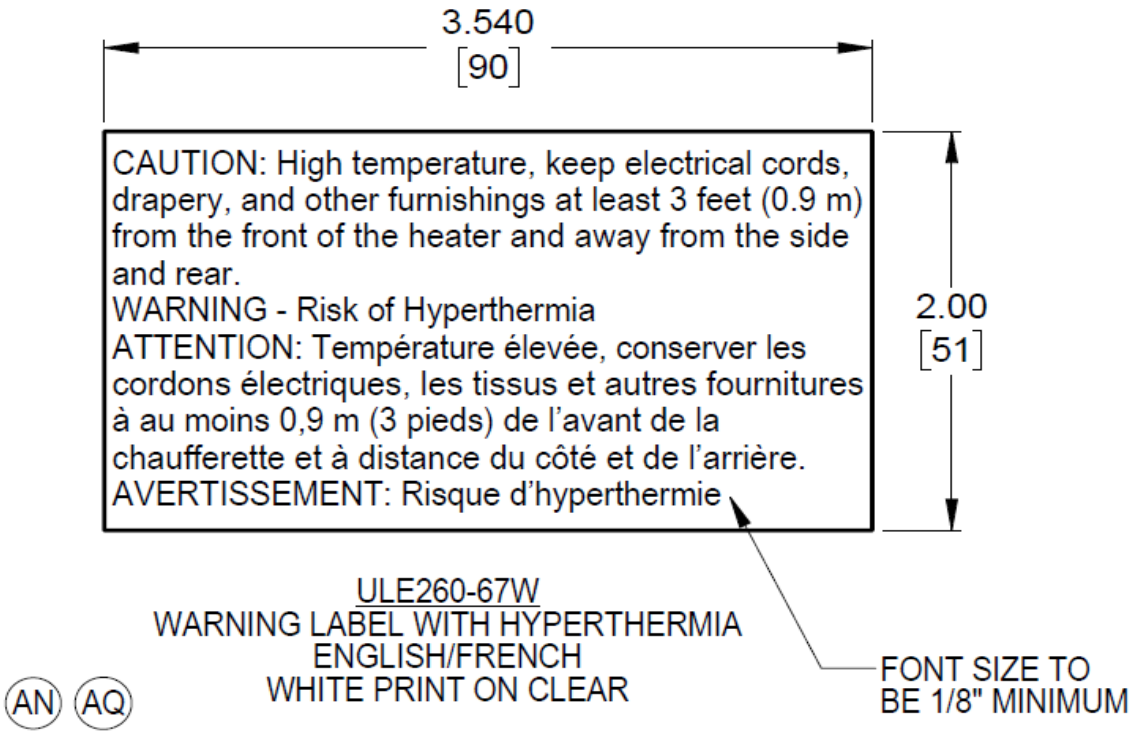
7.0 Illustrations

Illustration 4 - Cautionary Markings

CAUTION - High temperature, keep electrical cords, drapery, and other furnishings at least 3 feet (0.9 m) from the front of the heater and away from the side and rear.
WARNING - Risk of Hyperthermia.

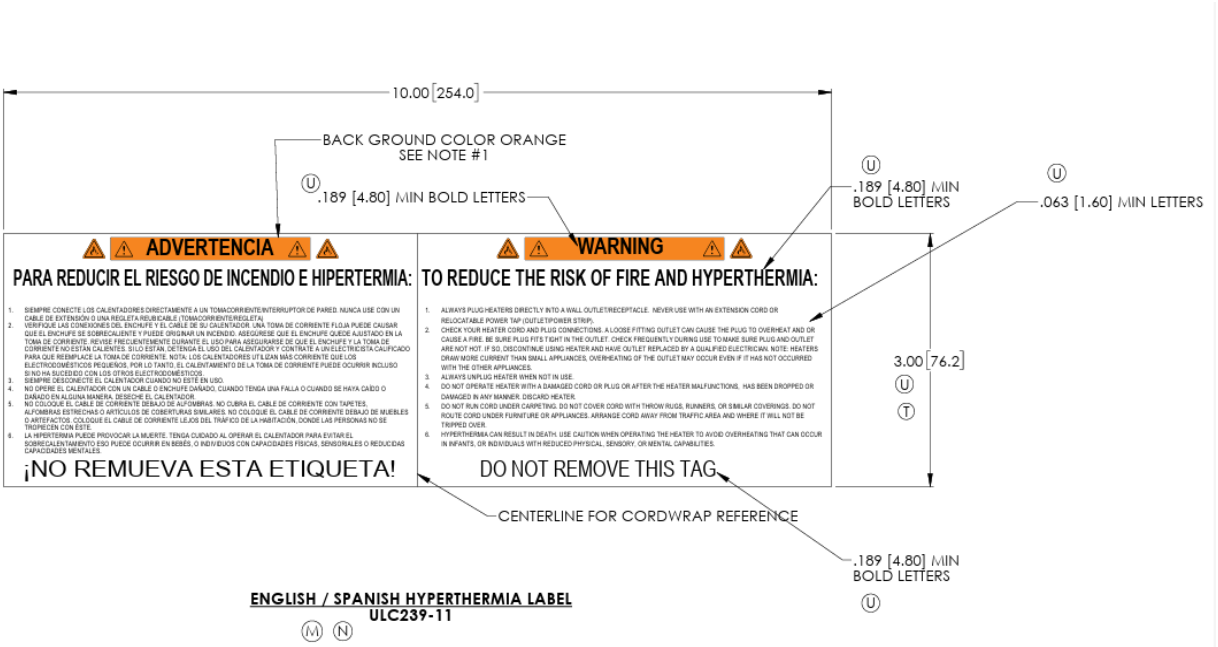
Letter height: Marking letters shall be minimum 3.2mm in height.
Location: Warning label shall be visible on the front of the heater.



7.0 Illustrations

Illustration 4a - Cord Tag Marking

The warning tag shall be permanently affixed to the power-supply cord, no more than 6 inches (152 mm) from the attachment plug and shall be made of substantial material (cardboard, cloth, plastic, or the equivalent) to provide mechanical strength and to prevent easy removal.



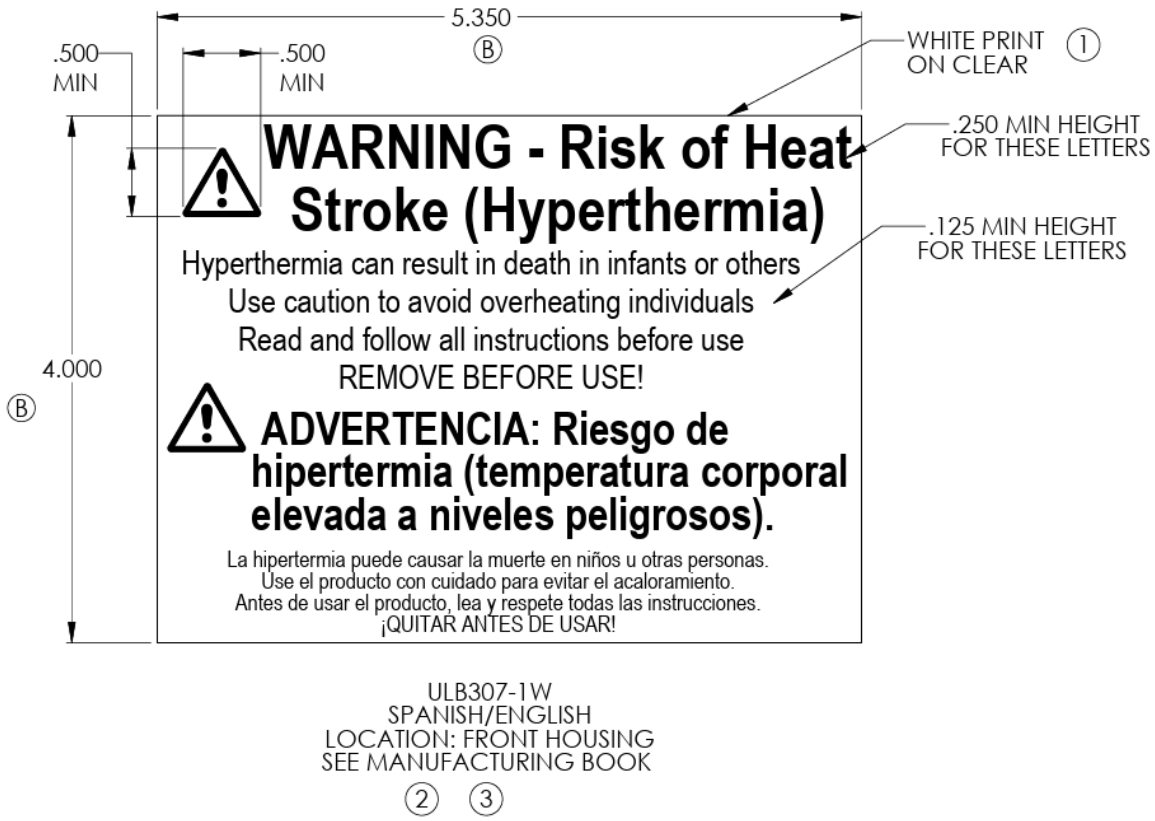
7.0 Illustrations

Illustration 4b - Carton Markings

a) Voltage and ampere or wattage rating.
b) The specific location, if the intended location of the heater is specific (such as floor only, wall mounted only, wall insert, and the like).
c) Information indicating that heaters should always be plugged directly into a wall outlet/ receptacle, and that an extension cord or relocatable power tap (outlet/power strip) should never be used.
d) The type of cord and plug receptacle configuration (can be described or shown pictorially), if other than standard 120 volts/15 or 20 amperes configuration.
e) Clearances to be maintained from combustibles, giving examples of combustibles.
f) A statement specifying that the heater is not to be used in wet or moist locations

7.0 Illustrations

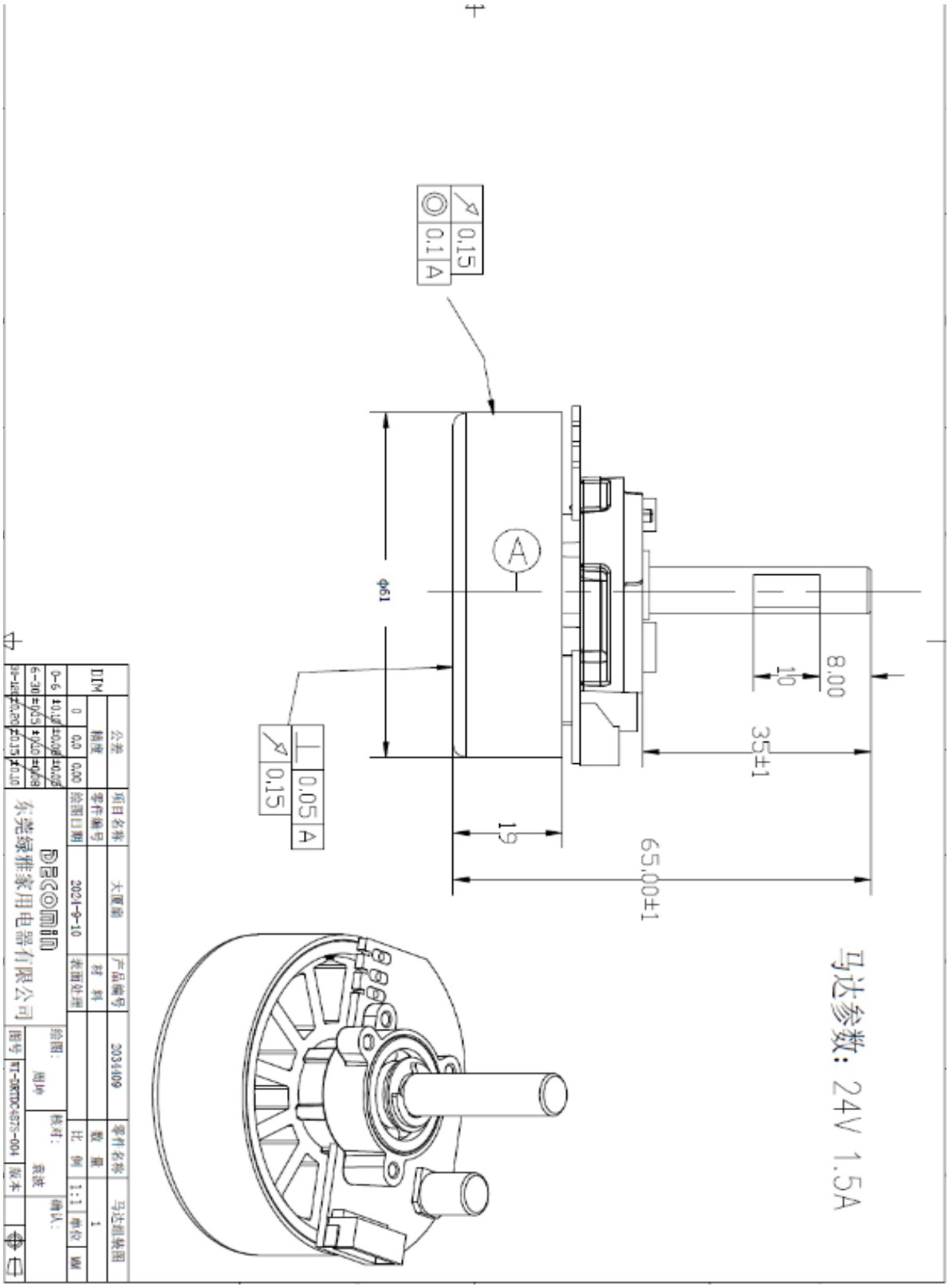
Illustration 4c - Removable Warning Label



ULB307-1W
SPANISH/ENGLISH
LOCATION: FRONT HOUSING
SEE MANUFACTURING BOOK
② ③

7.0 Illustrations

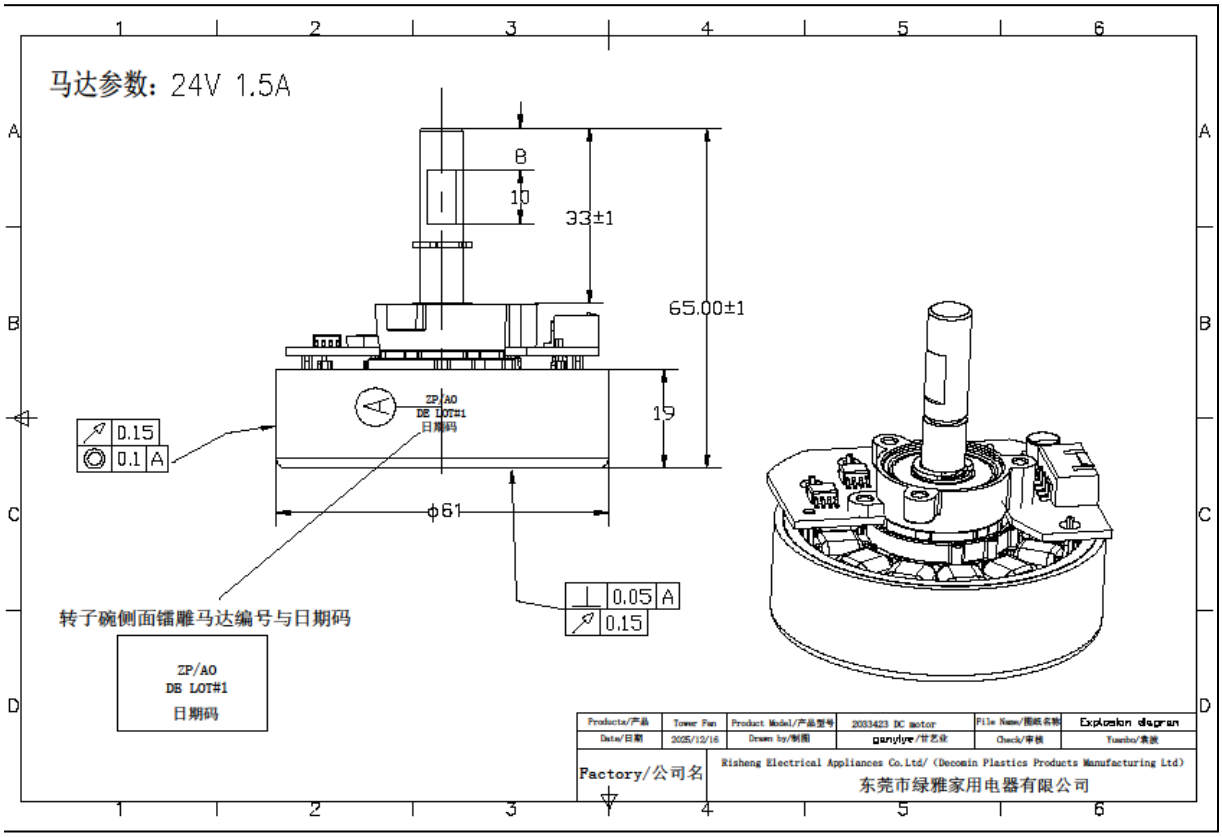
Illustration 5 - Motor 2034409



7.0 Illustrations

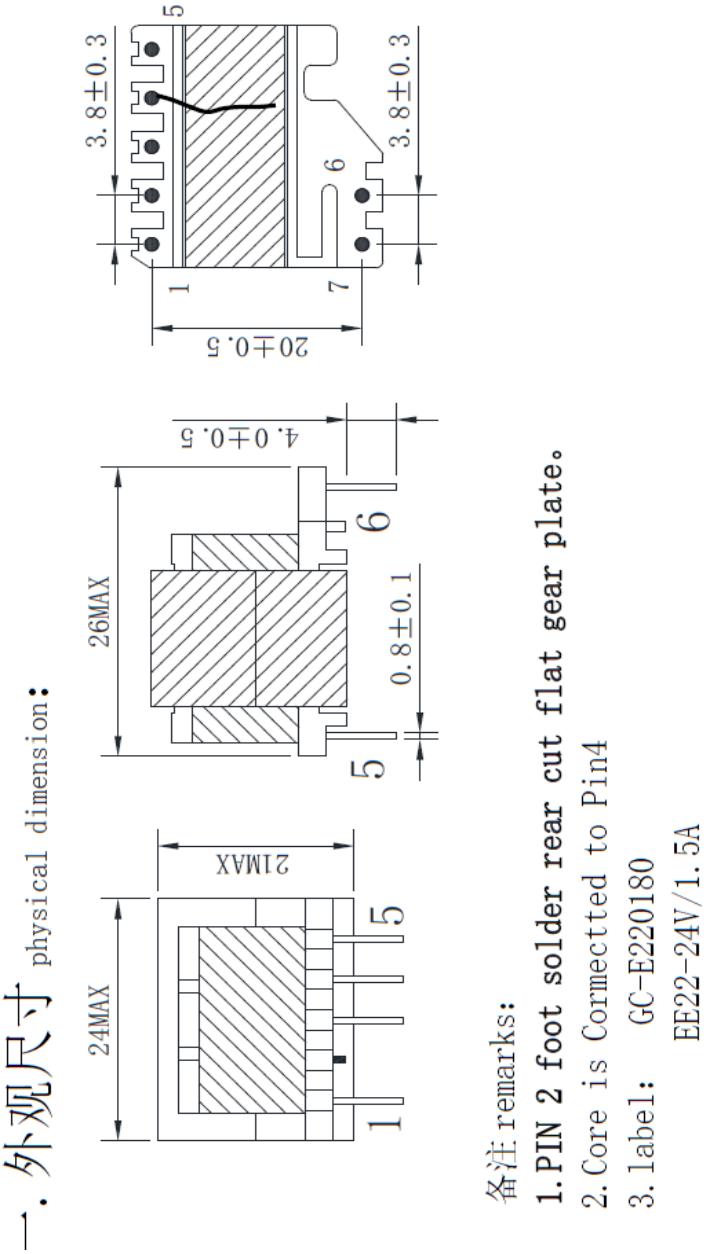
x

Illustration 6 - Motor 2033423



7.0 Illustrations

Illustration 7 - Transformer



8.0 Test Summary					
Evaluation Period	15-Jul-26 to 30-Jul-26			Project No.	G106638167
Sample Rec. Date	15-Jul-2026	Condition	Prototype	Sample ID.	1
Test Location	Lasko Products LLC, 820 Lincoln Ave, West Chester, PA 19380 USA				
Test Procedure	Test Data Acceptance - Level 3				
Determination of the result includes consideration of measurement uncertainty from the test equipment and methods. The product was tested as indicated below with results in conformance to the relevant test criteria.					

Due to the previous testing performed under Intertek Report 106337699CRT-001 only the following testing was performed:

Test Description	UL 1278 Clause	UL 746C Clause	UL 507 Clause
Impact Polymeric Material Test	12.2	56	-
Push Back Strain Relief Test	16.13	29, 61.2	-
Power Inputs	38, SC6	-	-
Leakage Current	39	-	-
Normal Temperature	40, SC7	-	-
Overvoltage Test	42.2	-	-
Stalled-Fan Test	42.3	-	-
Tip-Over Test	42.4	-	-
Vertical-Wall Test	42.5	-	-
Terry-Cloth Drape Test	42.6	-	-
Terry-Cloth Band Drape Test	42.7	-	-
Component Failure Test	47	-	-
Dielectric Voltage-Withstand	48	-	-
Insulation Resistance	49	-	-
Stability of Movable Heaters	51	-	-
Element Support Impact Tests	52	-	-
Strain Relief	59	29, 61.2	-
Low Ambient Temperature Starting Test	SC8	-	-
Restricted Abnormal Operation Test	SC9	-	-
Resistance to Impact Test	-	56	-
Mold Stress-Relief Distortion	-	61	-
Oscillating Fan Test	-	-	58

8.1 Signatures			
A representative sample of the product covered by this report has been evaluated and found to comply with the applicable requirements of the standards indicated in Section 1.0.			
Completed by:	Angel Valencia	Reviewed by:	Derrek Root
Title:	Engineer	Title:	Reviewer
Signature:	Angel Valencia	Signature:	

9.0 Correlation Page For Multiple Listings	
The following products, which are identical to those identified in this report except for model number and Listee name, are authorized to bear the ETL label under provisions of the Intertek Multiple Listing Program.	
BASIC LISTEE	Lasko Products LLC
Address	820 Lincoln Ave West Chester, PA 19380
Country	USA
Product	Combination Electric Heater and Fan

MULTIPLE LISTEE 1	None
Address	
Country	
Brand Name	
ASSOCIATED MANUFACTURER	
Address	
Country	

MULTIPLE LISTEE 1 MODELS	BASIC LISTEE MODELS

MULTIPLE LISTEE 2	None
Address	
Country	
Brand Name	
ASSOCIATED MANUFACTURER	
Address	
Country	

MULTIPLE LISTEE 2 MODELS	BASIC LISTEE MODELS

MULTIPLE LISTEE 3	None
Address	
Country	
Brand Name	
ASSOCIATED MANUFACTURER	
Address	
Country	

MULTIPLE LISTEE 3 MODELS	BASIC LISTEE MODELS

10.0 General Information

The Applicant and Manufacturer have agreed to produce, test and label ETL Listed products in accordance with the requirements of this Report. The Manufacturer has also agreed to notify Intertek and to request authorization prior to using alternate parts, components or materials.

COMPONENTS

Components used shall be those itemized in this Intertek report covering the product, including any amendments

LISTING MARK

The ETL Listing mark applied to the products shall either be separable in form, such as labels purchased from Intertek, or on a product nameplate or other media only as specifically authorized by Intertek. Use of the mark is subject to the control of Intertek.

The mark must include the following four items:

1) applicable country identifiers "US" and/or "C" or "US", "C" and "EU"
2) the word "Listed" or "Classified" or "Recognized Component" (whichever is appropriate)
3) a control number issued by Intertek
4) a product descriptor that identifies the standards used for certification. Example:

For US standards, the words, “Conforms to” shall appear with the standard number along with the word, “Standard” or “Std.” Example: “Conforms to ANSI/UL Std. XX.”

For Canadian standards, the words “Certified to CAN/CSA Standard CXX No. XX.” shall be used, or abbreviated, “Cert. to CAN/CSA Std. CXX No. XX.”

Can be used together when both standards are used.

If all standards on the ATM have the same standard title, the shared title or its abbreviation may be used in place of the examples above. Example: "Medical Electrical Equipment" or "MEE"; "Information Technology Equipment" or "ITE"; "Audio/Video Information And Communication Technology Equipment" or "A/V ICTE".

Note: A facsimile must be submitted to Intertek, Attn: Follow-up Services for approval prior to use. The facsimile need not have a control number. A control number will be issued **after signed Certification Agreements** have been received by the Follow-up Services office, approval of the facsimile of your proposed Listing Mark, satisfactory completion of the Listing Report, and scheduling of a factory assessment in your facility.

MANUFACTURING AND PRODUCTION TESTS

Manufacturing and Production Tests shall be performed as required in this Report.

FOLLOW-UP SERVICE

Periodic unannounced audits of the manufacturing facility (and any locations authorized to apply the mark) shall be scheduled by Intertek. An audit report shall be issued after each visit. Special attention will be given to the following:

1. Conformance of the manufactured product to the descriptions in this Report.
2. Conformance of the use of the ETL mark with the requirements of this Report and the Certification Agreement.
3. Manufacturing changes.
4. Performance of specified Manufacturing and Production Tests.

In the event that the Intertek representative identifies non-conformance(s) to any provision of this Report, the Applicant shall take one or more of the following actions:

1. Correct the non-conformance.
2. Remove the ETL Mark from non-conforming product.
3. Contact the issuing product safety evaluation center for instructions.

10.1 Evaluation of Unlisted Components

Because Unlisted Components are uncontrolled, and they do not fall under a third party follow up program, Intertek may require these components to be tested and/or evaluated at least once annually, more often for certain components, as part of the independent certification process. The Unlisted Components in Section 5.0 require testing and/or evaluation as indicated.

The Applicant will be notified, in writing, via the applicable contact methods, as defined in Section 1.0, when these components must be selected and sent to Component Evaluation Center (CEC) for re-evaluation.

Due to particular testing requirements, some components may be requested to be shipped to specific labs. Thus, specific shipment destination(s) for each sample will be provided in the written notification.

Managing CEC Location:
Intertek Testing Services NA Inc.
ETL Component Evaluation Center
1717 Arlingate Ln.
Columbus, Ohio 43228 USA
Attn: CEC Safety
Sample Disposition: Due to the destructive nature of the testing, all samples will be discarded at the conclusion of testing unless, the manufacturer specifically requests the return of the samples. The request for return must accompany the initial component shipment.

11.0 Manufacturing and Production Tests

The manufacturer agrees to conduct the following Manufacturing and Production Tests as specified:

Required Tests

Dielectric Voltage Withstand Test
Tip Over Test

11.1 Dielectric Voltage Withstand Test

Method

One hundred percent of production of the products covered by this Report shall be subjected to a routine production line dielectric withstand test.

The test shall be conducted on products, which are fully assembled. Prior to applying the test potential, all switches, contactors, relays, etc., should be closed so that all primary circuits are energized by the test potential. If all primary circuits cannot be tested at one time, then separate applications of the test potential shall be made.

The test voltage specified below shall be applied between primary circuits and accessible dead-metal parts. The test voltage may be gradually increased to the specified value but must be maintained at the specified value for one second or one minute as required.

Test Equipment

The test equipment shall incorporate a transformer with an essentially sinusoidal output, a means to indicate the applied test potential, and an audible and/or visual indicator of dielectric breakdown.

The test equipment shall incorporate a voltmeter in the output circuit to indicate directly the applied test potential if the rated output of the test equipment is less than 500VA.

If the rated output of the test equipment is 500VA or more, the applied test potential may be indicated by either:
1 - a voltmeter in the primary circuit;
2 - a selector switch marked to indicate the test potential; or
3 - a marking in a readily visible location to indicate the test potential for test equipment having a single test potential output.
In cases 2 and 3, the test equipment shall include a lamp or other visual means to indicate that the test potential is present at the test equipment output. All test equipment shall be maintained in current calibration.

Products Requiring Dielectric Voltage Withstand Test:

Product	Test Voltage	Test Time
All products covered by this Report.	1000V or 1200V	60 s 1 s

11.2 Tip Over Test
Method One hundred percent of production of the products covered by this Report shall be subjected to the test. The manufacturer shall test each heater that employs a tip-over switch to determine that the switch functions as intended after assembly in the heater. The heater shall be energized during this test.

Products Requiring Tip Over Test:
Product
All producs covered by this report.

12.0 Revision Summary				
The following changes are in compliance with the declaration of Section 8.1:				
Date/ Proj # Site ID	Project Handler/ Reviewer	Section	Item	Description of Change
				None