

1.0 Reference and Address			
Report Number	104670485CRT-001	Original Issued: 30-Apr-2021	Revised: 20-Mar-2024
Standard(s)	Movable and Wall- or Ceiling-Hung Electric Room Heaters [ANSI/UL 1278:2014 Ed.4+R:21Feb2022] Electric Air-Heaters (R2018) [CSA C22.2#46:2013 Ed.9]		
Entirely Replaces Report Number	102581730CRT-001		
Applicant	Lasko Products LLC	Manufacturer 1	Risheng Electrical Appliances Co. Ltd.
Address	820 Lincoln Ave West Chester, PA 19381	Address	Chuangye Industry Zone, Xinhe, Wanjiang District Dongguan 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

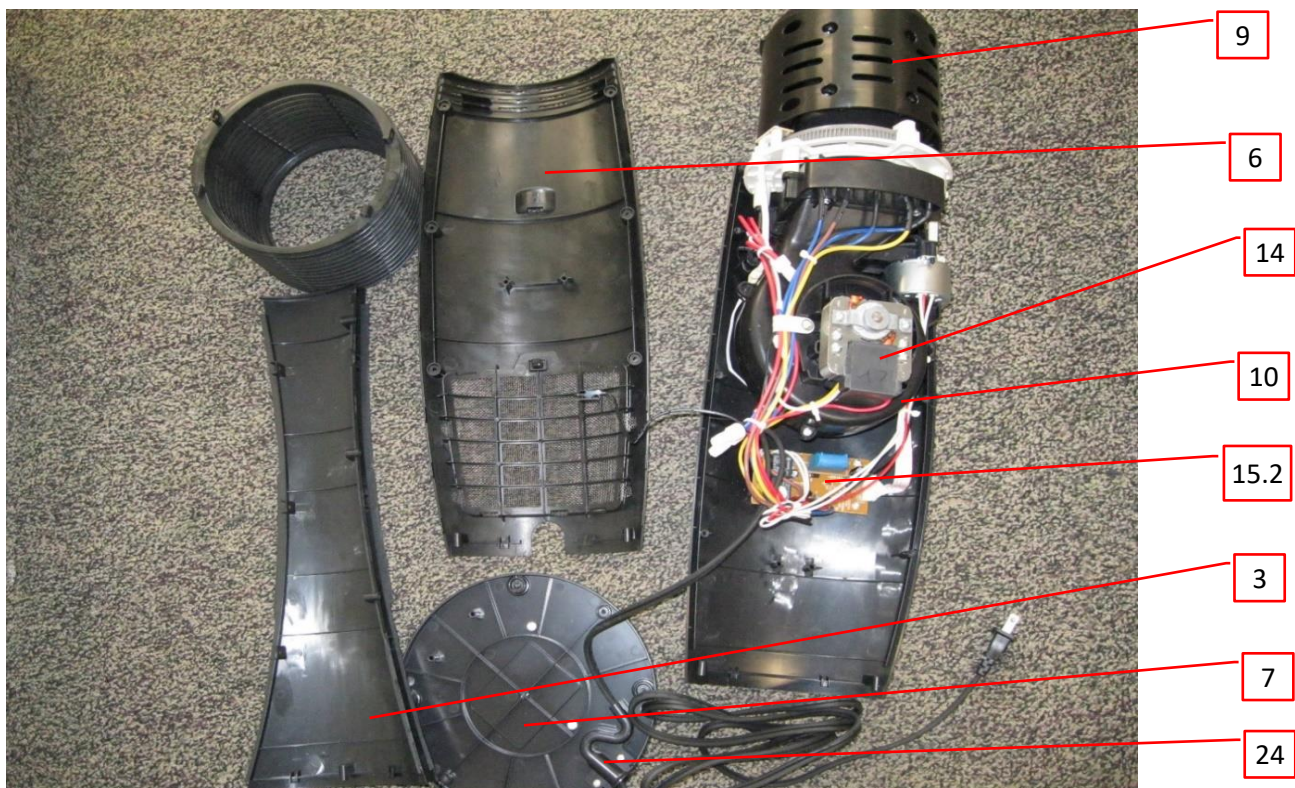
2.0 Product Description	
Product	Electric Heater
Brand name	Lasko
Description	The products covered by this report are household, indoor use, cord connected, movable heaters.
Models	CT22360, CT22360M, CT24362, CT22360C, CT22980, CT22980C.
Model Similarity	Models CT22360, CT22360M are identical. Only for marketing purposes. Model CT24362 is similar to CT22360 except for external cosmetics, uses a two speed motor, PCB and three heat settings. CT22360C is identical to CT22360 except for plastic ratings, instruction manual and all markings are in English/French. CT22980 is the same as CT22360 except for external cosmetics CT22980C is the same as CT22360C except for external cosmetics
Ratings	120V, 60Hz, 1500W or 120V, 60Hz, 1500W @25°C. 120V, 60Hz, 1500W @0°C. Refer to illustration 1 for specific use.
Other Ratings	NA

3.0 Product Photographs

Photo 1 - External View of model CT22360



Photo 2 - Internal View of of model CT22360

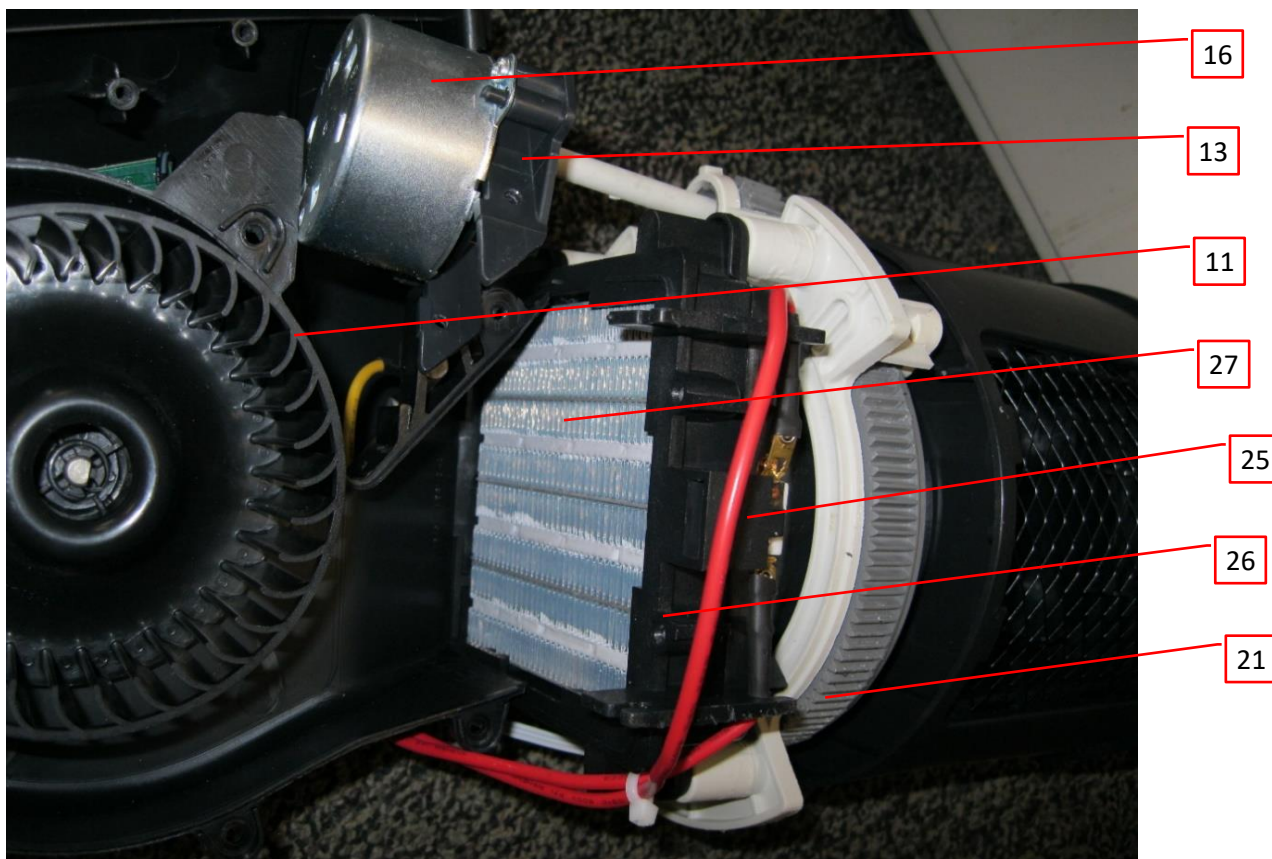


3.0 Product Photographs

Photo 3 - External View of Back. Represents all models



Photo 4 - Internal View of Heater



3.0 Product Photographs

Photo 5 - Internal View of Heater

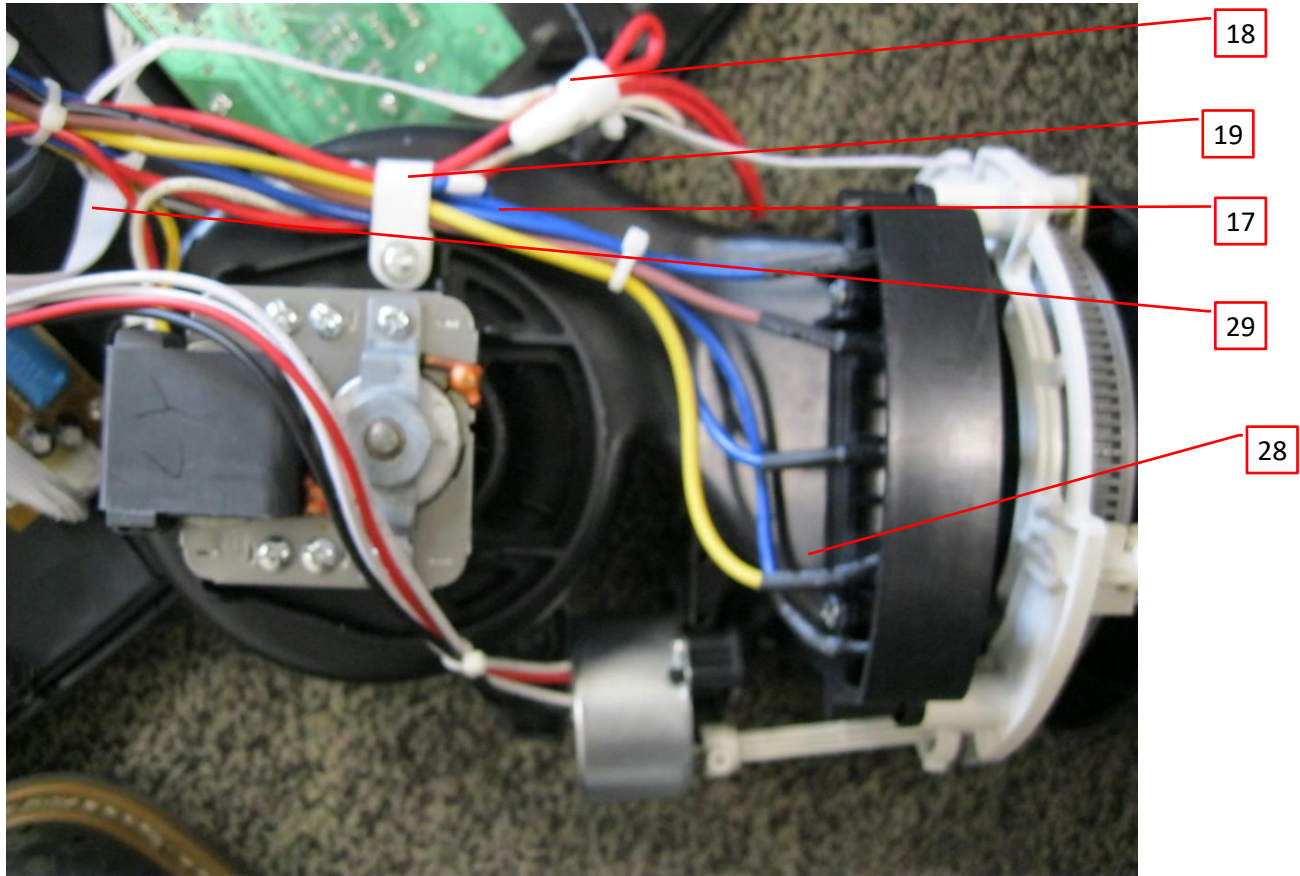


Photo 6 - Speed Controller: Sounds Electric Company

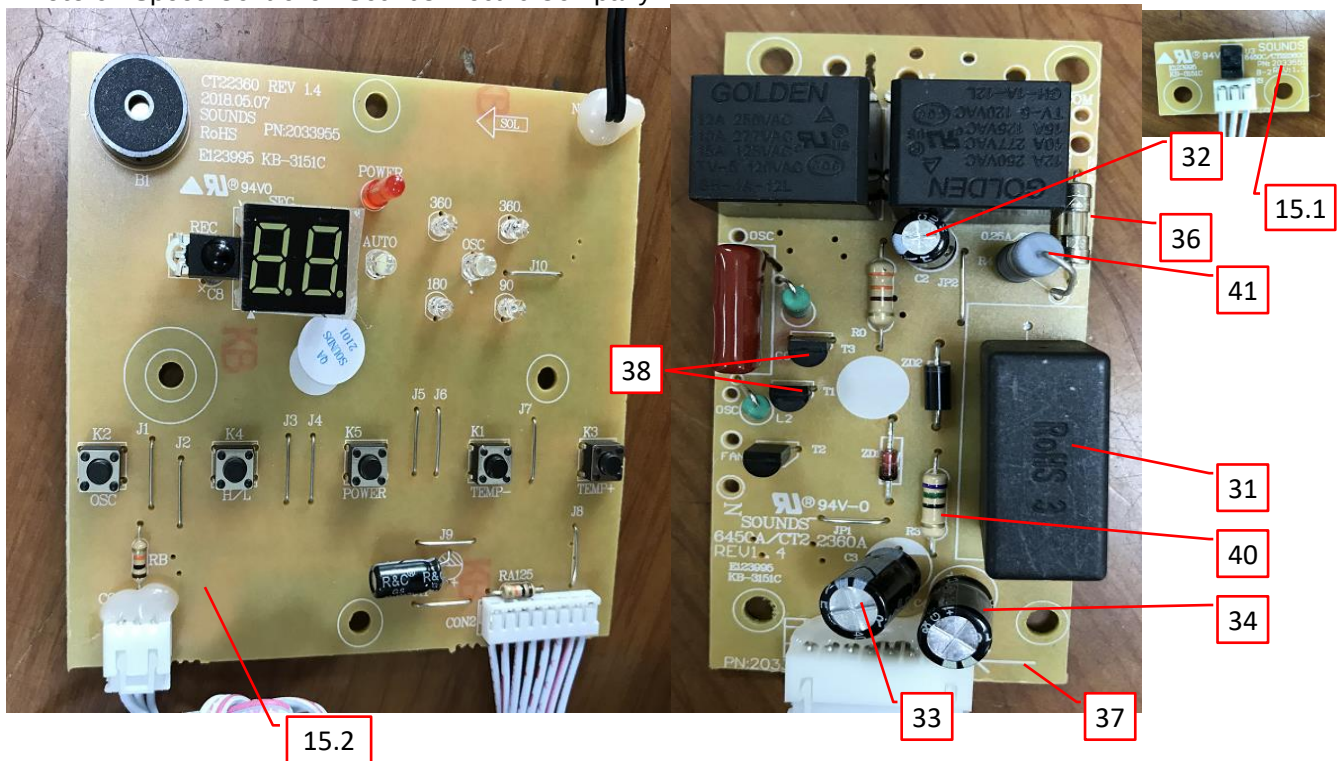
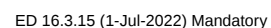


Photo 6.1 - Power Board, Shenzhen Topace Technology CO Ltd, 2033510

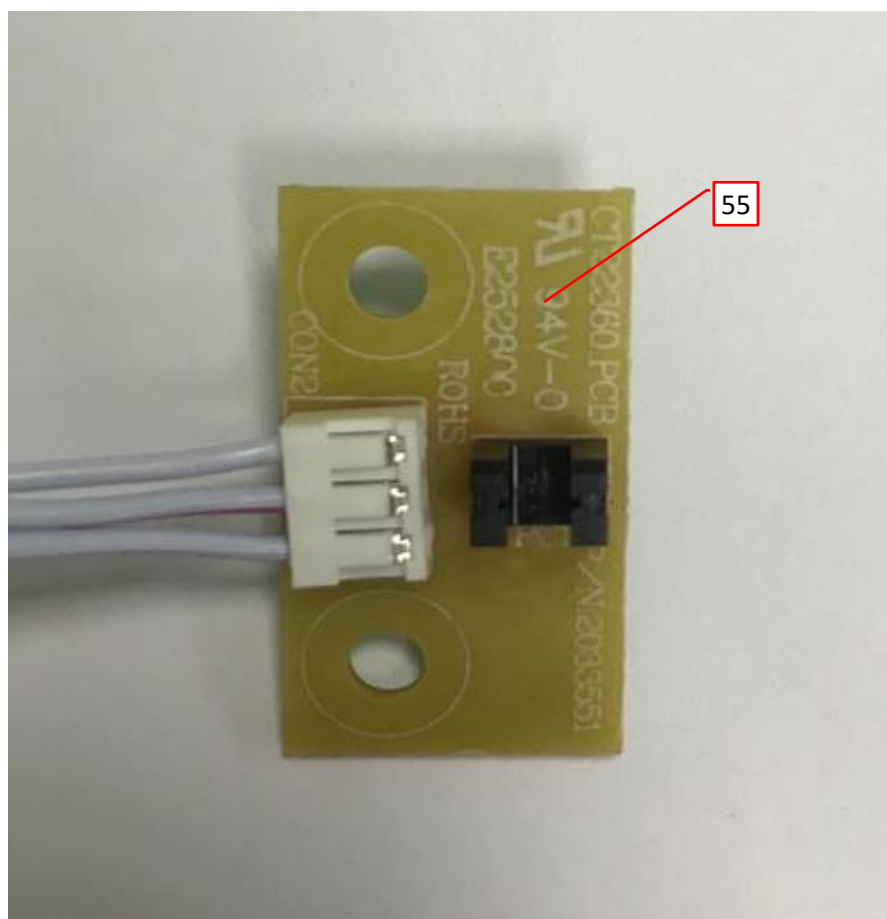


3.0 Product Photographs

Photo 6.2 - Display PCB, Shenzhen Topace Technology CO Ltd, 2033955



Photo 6.3 - Sensor PCB, Shenzhen Topace Technology CO Ltd, 2033551



3.0 Product Photographs

Photo 7 - External View of model CT24362



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3.0 Product Photographs

Photo 8 - Internal View of model CT24362

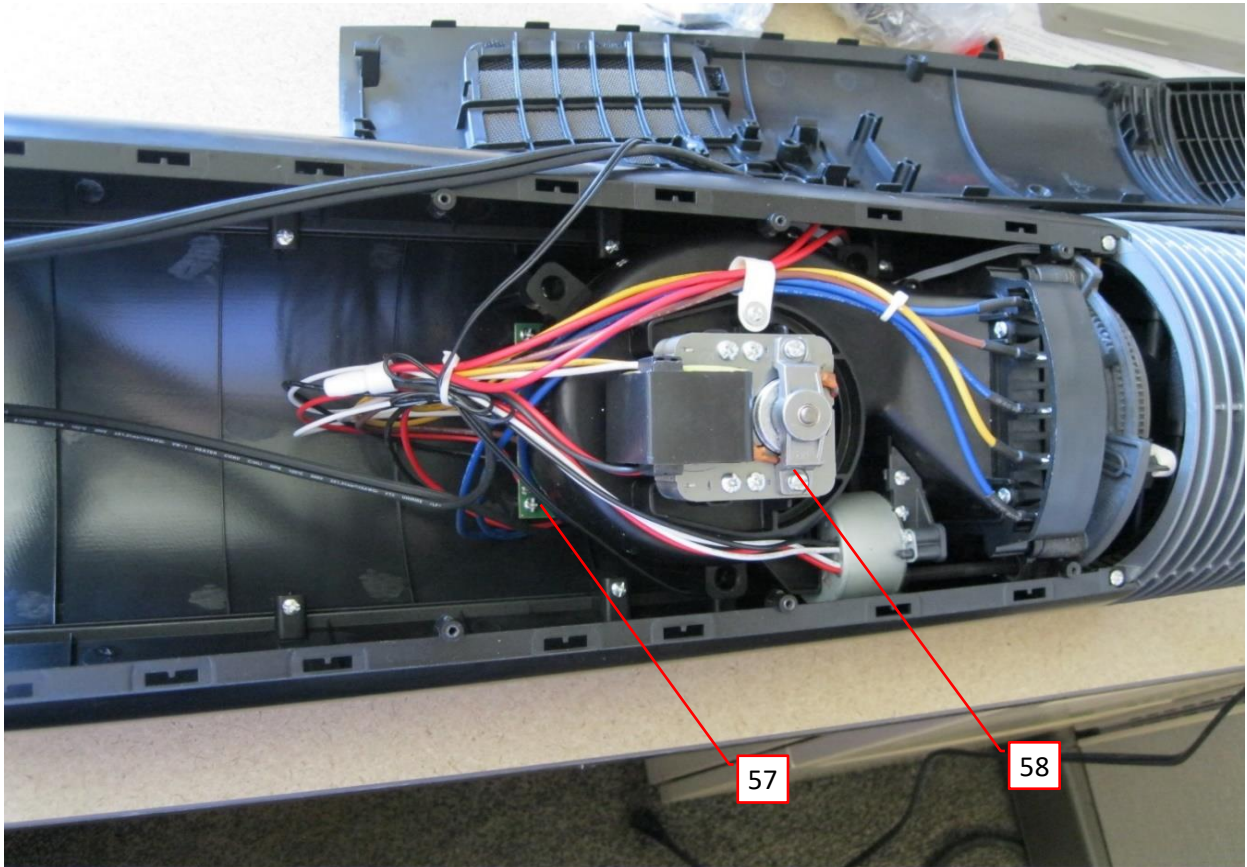
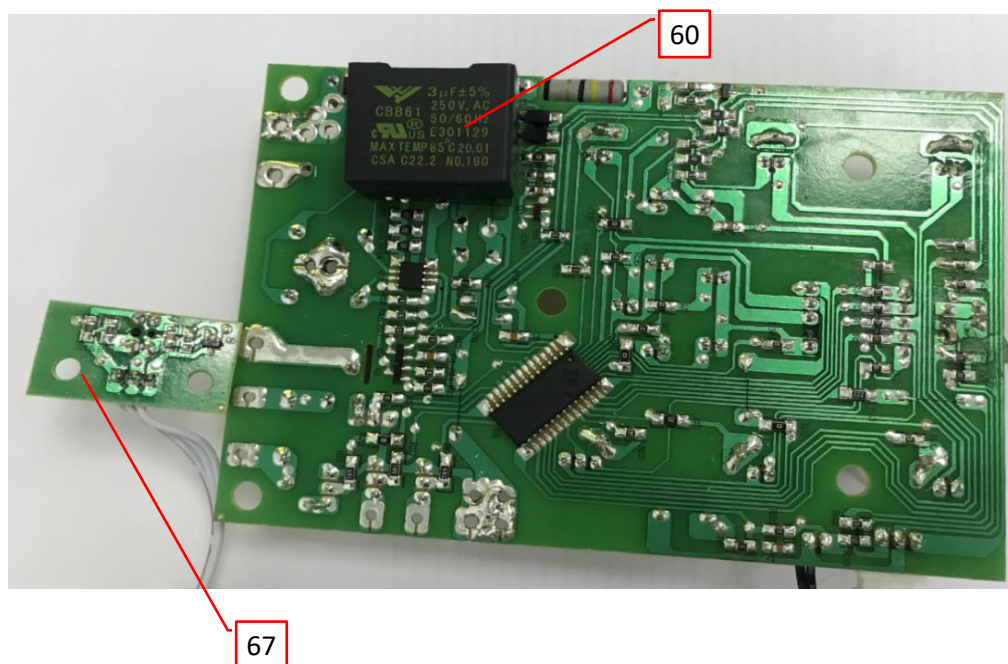
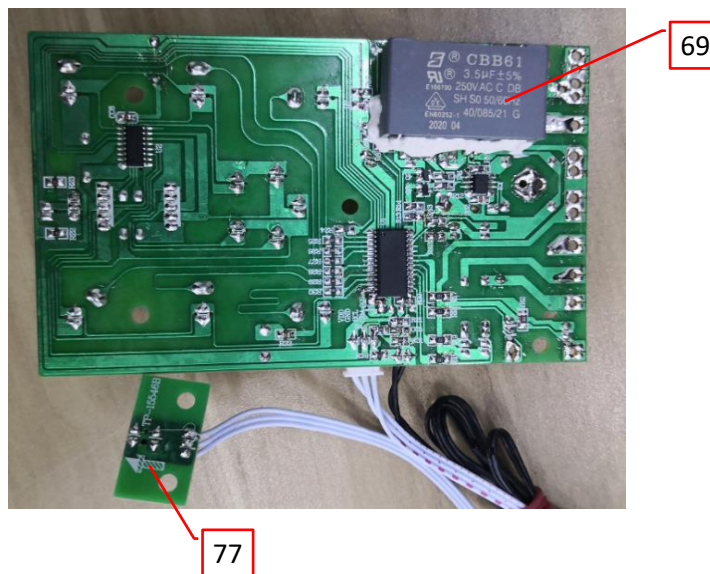
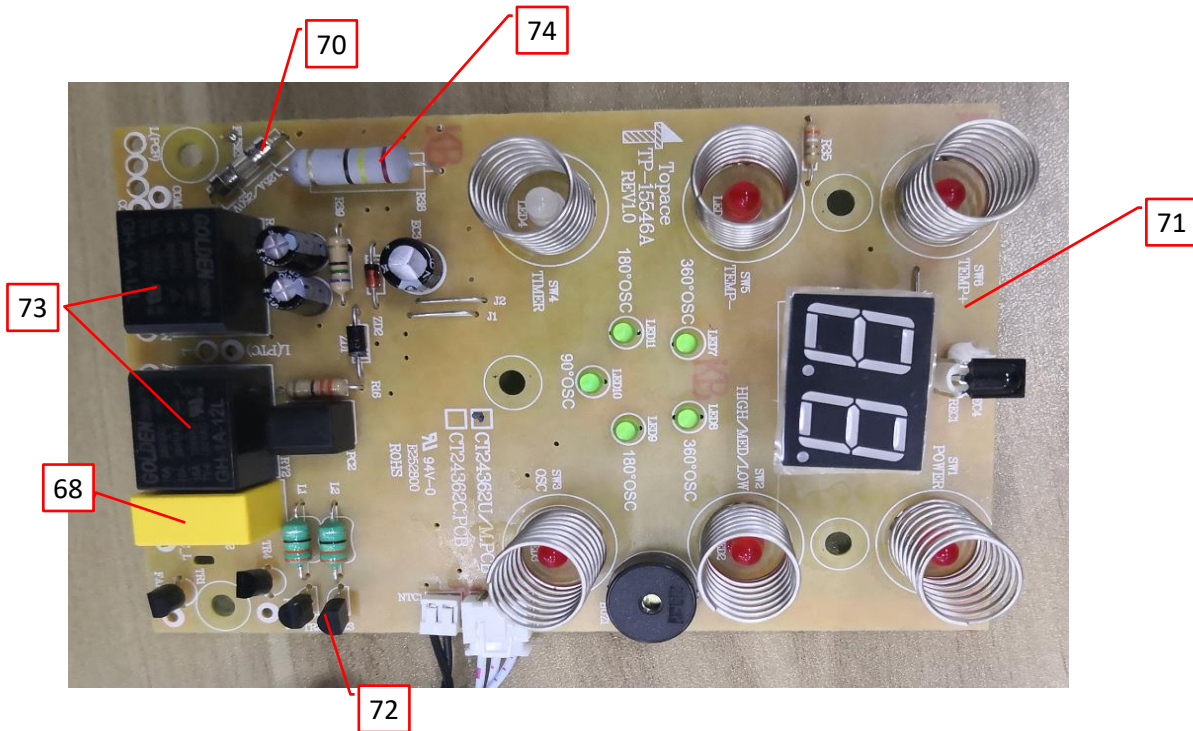


Photo 9 - Power Board CT24362U/M, Sounds Electric Co. Ltd



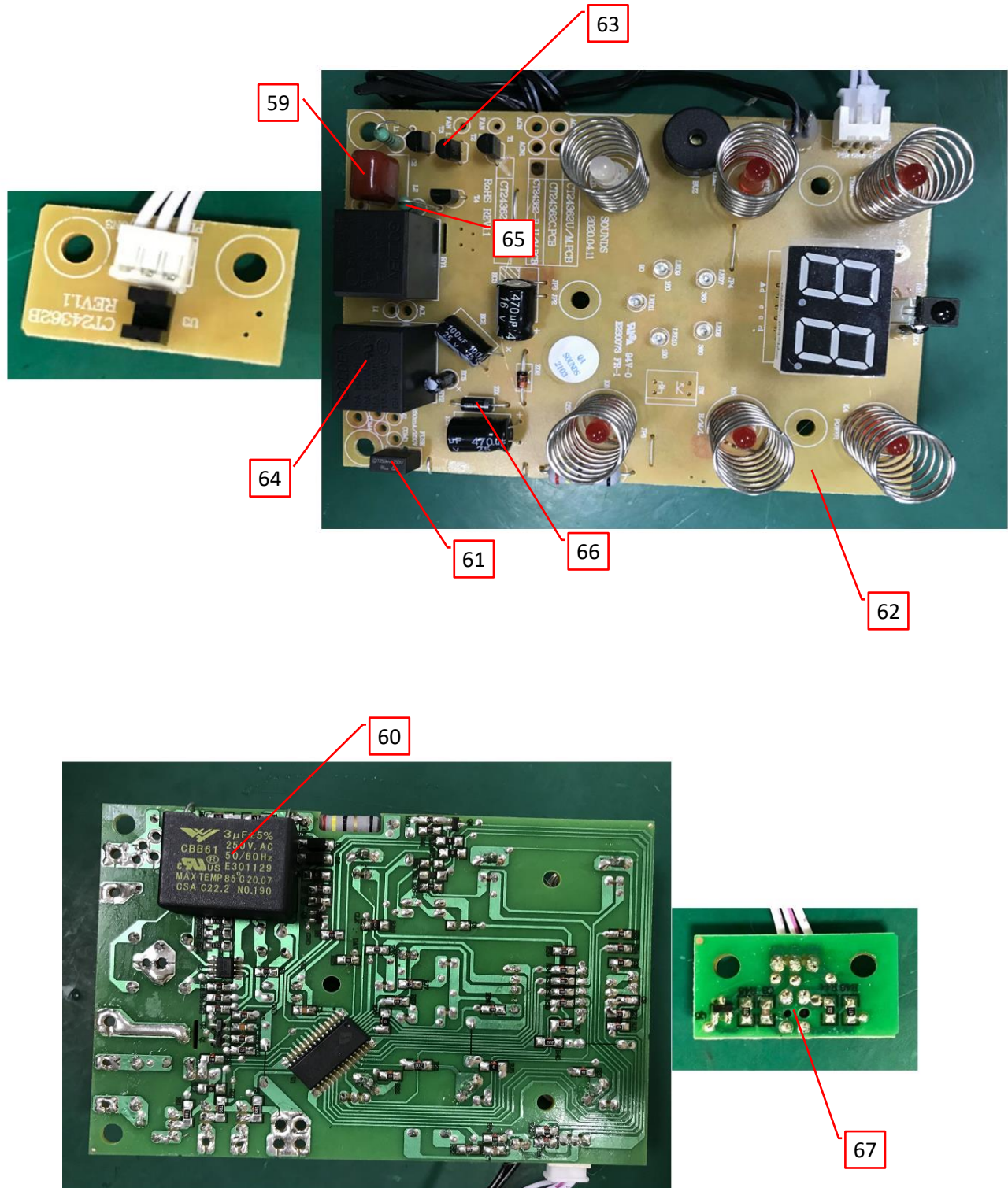
3.0 Product Photographs

Photo 10 - Power Board CT24362U/M, Shenzhen Topace Tech Co Ltd



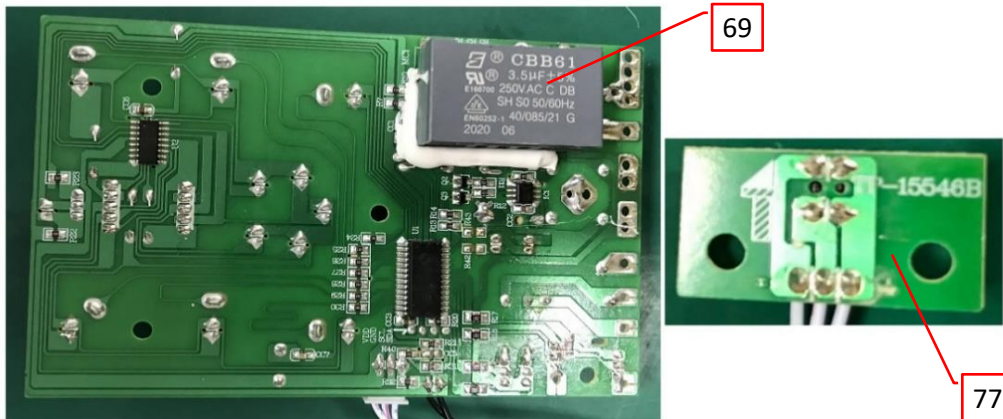
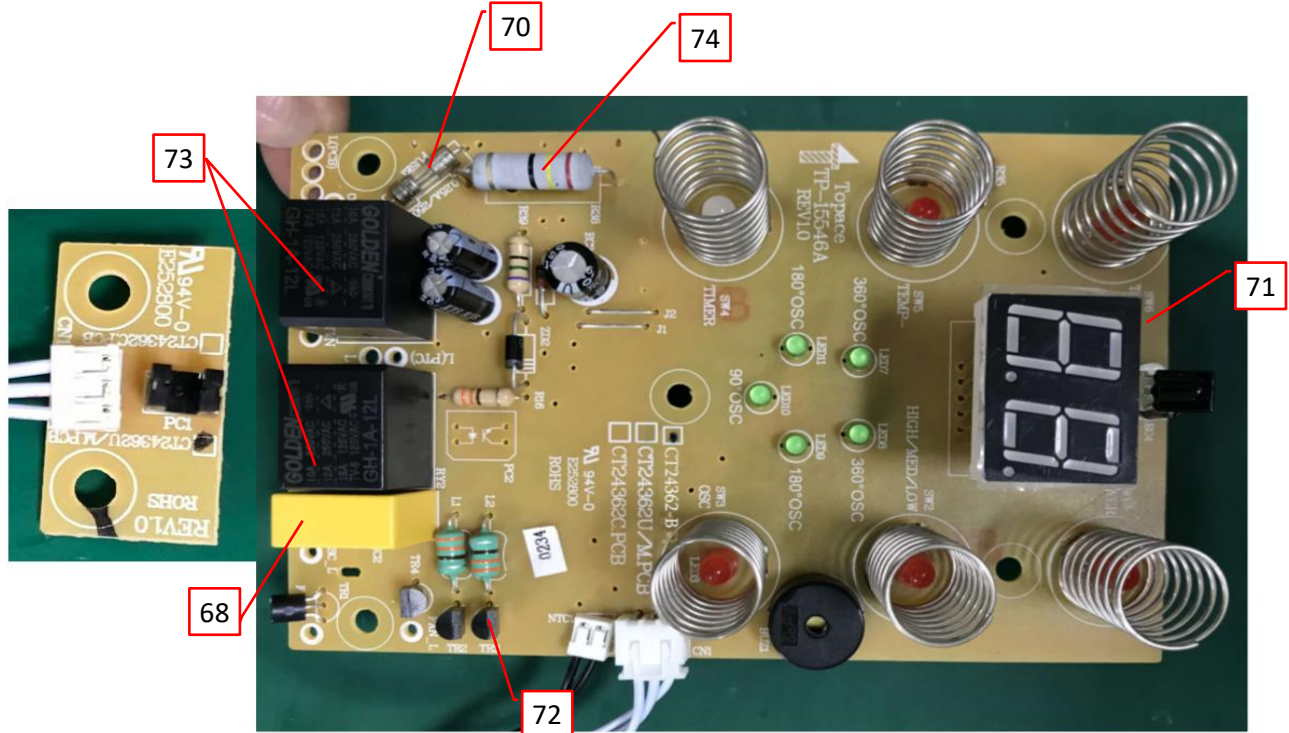
3.0 Product Photographs

Photo 11 - Power Board CT24362-B, Sounds Electric Co. Ltd



3.0 Product Photographs

Photo 12 - Power Board CT24362-B, Shenzhen Topace Tech Co Ltd



3.0 Product Photographs

Photo 13 - External View of model CT22360C



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	1	Intake Door	LG Chem Ltd	AF312B	ABS. Rated V-0, 5VB, 75°C 2.1mm minimum thickness. Refer to illustration 1 for specific use.	cURus
			LG Chem Ltd	AF365(&)	ABS, min 2.0mm thick, V-0, 5VA, rated 80°C. (&) can be one, two or three numbers and/or letters. Refer to illustration 1 for specific use.	cURus
			Silver Age Engineering Plastics (DongGuan) Co Ltd	3370	ABS, min 2.0mm thick, V-0, 5VA, rated 85°C. Refer to illustration 1 for specific use.	cURus
1	2	Front Body	LG Chem Ltd	AF312B	ABS. Rated V-0, 5VB, 75°C 2.1mm minimum thickness. Refer to illustration 1 for specific use.	cURus
			LG Chem Ltd	AF365(&)	ABS, min 2.0mm thick, V-0, 5VA, rated 80°C. (&) can be one, two or three numbers and/or letters. Refer to illustration 1 for specific use.	cURus
			Silver Age Engineering Plastics (DongGuan) Co Ltd	3370	ABS, min 2.0mm thick, V-0, 5VA, rated 85°C. Refer to illustration 1 for specific use.	cURus
2	3	Side/Right/Left Panel	Samsung SDI Chemical Co Ltd	VH-0815(+)	ABS. Rated V-0, 85°C, 2.0mm minimum thickness. (+) can be one, two or three numbers and/or letters. Refer to illustration 1 for specific use.	cURus
			LG Chem Ltd	AF365(&)	ABS, min 2.0mm thick, V-0, 5VA, rated 80°C. (&) can be one, two or three numbers and/or letters. Refer to illustration 1 for specific use.	cURus
			Silver Age Engineering Plastics (DongGuan) Co Ltd	3370	ABS, min 2.0mm thick, V-0, 5VA, rated 85°C. Refer to illustration 1 for specific use.	cURus

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Photo #	Item no. ¹	Name	Manufacturer/ trademark ²	Type / model ²	Technical data and securement means	Mark(s) of conformity ³
1	4	Buttons	LG Chem Ltd	AF312B	ABS. Rated V-0, 5VB, 75°C 2.1mm minimum thickness. Refer to illustration 1 for specific use.	cURus
			LG Chem Ltd	AF365(&)	ABS, min 2.0mm thick, V-0, 5VA, rated 80°C. (&) can be one, two or three numbers and/or letters. Refer to illustration 1 for specific use.	cURus
			Silver Age Engineering Plastics	3370	ABS, min 2.0mm thick, V-0, 5VA, rated 85°C. Refer to illustration 1 for specific use.	cURus
1	5	Lens	Silver Age Engineering Plastics (Dongguan) Co Ltd	230	PC. Rated V-0, 80°C, 0.8mm minimum thickness, NC, RD in color. Refer to illustration 1 for specific use.	cURus
			Silver Age Engineering Plastics (DongGuan) Co Ltd	2340	PC, min 2.1mm thick, V-0, 5VA, rated 80°C. Refer to illustration 1 for specific use.	cURus
2	6	Rear Body	LG Chem Ltd	AF312B	ABS. Rated V-0, 5VB, 75°C 2.1mm minimum thickness. Refer to illustration 1 for specific use.	cURus
			LG Chem Ltd	AF365(&)	ABS, min 2.0mm thick, V-0, 5VA, rated 80°C. (&) can be one, two or three numbers and/or letters. Refer to illustration 1 for specific use.	cURus
			Silver Age Engineering Plastics (DongGuan) Co Ltd	3370	ABS, min 2.0mm thick, V-0, 5VA, rated 85°C. Refer to illustration 1 for specific use.	cURus

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Photo #	Item no. ¹	Name	Manufacturer/ trademark ²	Type / model ²	Technical data and securement means	Mark(s) of conformity ³
2	7	Bottom Cover	Samsung SDI Chemical Co Ltd	VH-0815(+)	ABS. Rated V-0, 85°C, 2.0mm minimum thickness. (+) can be one, two or three numbers and/or letters. Refer to illustration 1 for specific use.	cURus
			LG Chem Ltd	AF365(&)	ABS, min 2.0mm thick, V-0, 5VA, rated 80°C. (&) can be one, two or three numbers and/or letters. Refer to illustration 1 for specific use.	cURus
			Silver Age Engineering Plastics (DongGuan) Co Ltd	3370	ABS, min 2.0mm thick, V-0, 5VA, rated 85°C. Refer to illustration 1 for specific use.	cURus
2	8	Mesh (not shown)	Various	Metal	Steel, diamond pattern. 0.032" thick, 0.170" opening.	NR
2	9	Grill Cover Rear	Polyrocks Chemical	168(f1)	PP. Rated V-0, 120°C, 0.8mm minimum thickness. (f1) - suitable for outdoor use with respect to UV exposure. Refer to illustration 1 for specific use.	cURus
			Silver Age Engineering Plastics (DongGuan) Co Ltd	430H	PP, min 2.0mm thick, V-0, 5VA, rated 65°C. Refer to illustration 1 for specific use.	cURus
			LG Chem Ltd	GP-3156F	PP, min 1.5mm thick, V-0, 5VA, rated 125°C. Refer to illustration 1 for specific use.	cURus
2	10	Blower Housing	Polyrocks Chemical	168(f1)	PP. Rated V-0, 120°C, 0.8mm minimum thickness. (f1) - suitable for outdoor use with respect to UV exposure. Refer to illustration 1 for specific use.	cURus
			Silver Age Engineering Plastics (DongGuan) Co Ltd	430H	PP, min 2.0mm thick, V-0, 5VA, rated 65°C. Refer to illustration 1 for specific use.	cURus
			LG Chem Ltd	GP-3156F	PP, min 1.5mm thick, V-0, 5VA, rated 125°C. Refer to illustration 1 for specific use.	cURus

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Photo #	Item no. ¹	Name	Manufacturer/ trademark ²	Type / model ²	Technical data and securement means	Mark(s) of conformity ³
4	11	Blower Wheel	Polyrocks Chemical	168(f1)	PP. Rated V-0, 120°C, 0.8mm minimum thickness. (f1) - suitable for outdoor use with respect to UV exposure. Refer to illustration 1 for specific use.	cURus
			Polyrocks Chemical	168(+)(f1)	PP. Rated V-0, 120°C, 0.8mm minimum thickness. (f1) - suitable for outdoor use with respect to UV exposure. (+) replaced by any combinations of letters A to Z and/or any numerals from 0 to 9. Refer to illustration 1 for specific use.	cURus
1	12	Grill Cover Front	Nan Ya Plastics (Huizhou) Corp Ltd	1403G3	PBT. Rated V-0, 130°C, 1.5mm minimum thickness, all colors. Refer to illustration 1 for specific use.	cURus
			Kingfa Sci & Tech Co Ltd	PBT-RG301(r1)	PBT, min 1.5mm thick, V-0, 5VA, rated 130°C. (r1) refers to material properties. Refer to illustration 1 for specific use.	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
4	13	Oscillation Motor Bracket	Samsung SDI Chemical Co Ltd	VH-0815(+)	ABS. Rated V-0, 85°C, 2.0mm minimum thickness. (+) can be one, two or three numbers and/or letters. Refer to illustration 1 for specific use.	cURus
			LG Chem Ltd	AF365(&)	ABS, min 2.0mm thick, V-0, 5VA, rated 80°C. (&) can be one, two or three numbers and/or letters. Refer to illustration 1 for specific use.	cURus
			Silver Age Engineering Plastics	3370	ABS, min 2.0mm thick, V-0, 5VA, rated 85°C. Refer to illustration 1 for specific use.	cURus
2	14	Motor	Risheng Electrical Appliances Co Ltd	2033107	Rated 120V, 60Hz, 0.4A.	See 5.0
2	15	Power Board Assembly (Not Shown)	Sounds Electric Co Ltd	2033510	Rated 120V, 60Hz. Consists of items 30 - 42.	NR
			Shenzhen Topace Technology CO Ltd	2033510	Rated 120V, 60Hz. Consists of items 44 - 53.	NR
6	15.1	Display PCB	Sounds Electric Co Ltd	2033955	V-0, 1.6 mm, 130°C.	cURus
			Sounds Electric Co Ltd	2033955C	V-0, 1.6 mm, 130°C.	cURus
			Shenzhen Topace Technology CO Ltd	2033955C	V-0, 1.6 mm, 130°C.	cURus
2, 6	15.2	Sensor PCB	Sounds Electric Co Ltd	2033551	V-0, 1.6 mm, 130°C	cURus
4	16	Oscillation Motor	Foshan Shunde Hengxing Micro Motor Co Ltd	TYK50-16	Rated 100-120V, 50/60Hz, 6W, 15/18RPM.	cURus
			Creative Motor Mfg Co Ltd	TK50	Rated 120V, 60Hz, 6W, 18RPM.	See 5.0
			Creative Clock Motor (E307927)	TYC50 (H21)	120V, 60Hz, 4W, 3RPM's	cURus
			DONGGUAN LANSUNXIN INDUSTRIAL CO LTD E485600	TY50K	120V, 60Hz. 6W, 18RPM	UR, CSA

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Photo #	Item no. ¹	Name	Manufacturer/ trademark ²	Type / model ²	Technical data and securement means	Mark(s) of conformity ³
5	17	Internal Wire	Risheng Electrical Appliances	1015	16AWG (element), 20AWG (blower motor). Rated 600V, 105°C.	cURus
5	18	Close End Connector	Heavy Power Co Ltd	CE5	Rated 300V, 150°C, V-0.	cURus
				CE-1X	Rated 300V, 150°C, V-0.	
5	19	P-Clamp	Silver Age Engineering Plastics	640G00	Nylon. Rated V-0, 65°C, 0.8mm minimum thickness, all colors.	cURus
5	20	Label (not shown)	Zhongshan Fuzhou Adhesive Product Co Ltd	TL-TA25	Rated for the application, 125°C, indoor use.	UR
				TL-SM25		
5	20a	Cautionary Marking Label	ZHONGSHAN FUZHOU ADHESIVE PRODUCT CO LTD	TL-TA25	Rated 60°C Max, indoor use. See Ill. 10 for details. Adhered to Rear Body on Item 6. Generic material type ABS	UR
				TL-SM25		
4	21	Gear Wheel	Kingfa Sci & Tech Co Ltd	PA66-RG301	Nylon. Rated V-0, 65°C, 0.75mm minimum thickness, all colors.	cURus
4	22	Cam (not shown)	Kingfa Sci & Tech Co Ltd	PA66-RG301	Nylon. Rated V-0, 65°C, 0.75mm minimum thickness, all colors. Located between motor and gear wheel.	cURus
3	23	Cordset	Various	HPN-R	16AWG/2C. Rated 300V, 105°C. Length 6ft - 8ft (1.8 m - 2.4 m). Provided with a 2 prong 1-15P style polarized plug rated 125V, 15A.	cURus
2	24	Strain Relief	Samsung SDI Chemical Co Ltd	VH-0815(+)	ABS. Rated V-0, 85°C, 2.0mm minimum thickness. (+) can be one, two or three numbers and/or letters. Models CT22360, CT22360M only.	cURus
4	25	Manual Reset TCO	AuOne Electronic Manufacturing Ltd	AUT-75P	75°C. Rated 125V, 16A.	cURus
			Foshan Eagle Technology Co. Ltd.	AMT-P2-75°C	75°C. Rated 125V, 16A.	cURus
4	26	Element Holder	Kingfa Sci & Tech Co Ltd	PBT-RG301(r1)	PBT. Rated V-0, 130°C, 1.5mm minimum thickness. (r1) refers to material properties.	UR

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Photo #	Item no. ¹	Name	Manufacturer/ trademark ²	Type / model ²	Technical data and securement means	Mark(s) of conformity ³
4	27	Element	Changshu Leeshr Heating Technology Co	LSFRT	Rated 120V, 60Hz, 1500W.	cURus
			Dongguan City Longyang Electronic	LYB	Rated 120V, 60Hz, 1500W.	cURus
			Dongguan City Longkey Electronic Co Ltd	RFB044E/1K5	Rated 120V, 60Hz, 1500W.	cURus
5	28	Heat Shrink Tubing	Salipt	S-901-600	Rated 150V, 125°C, VW-1.	cURus
5	29	Lead Wire	Various	2468	26AWG, Rated 300V, 80°C, VW-1.	UR
6	30	Capacitor (C01) (Not shown)	Various	CBB21	Rated 0.47μF, 400V.	UR
6	31	Capacitor (C1)	Various	CBB61	Rated 3μF, 250V.	UR
6	32	Capacitor (C2)	Various	Various	Rated 100μF, 25V.	UR
6	33	Capacitor (C3)	Various	Various	Rated 470μF, 25V.	UR
6	34	Capacitor (C4)	Various	Various	Rated 470μF, 16V.	UR
6	35	Capacitor (C8) (not shown)	Various	Various	Rated 47μF, 16V.	UR
6	36	Fuse	Various	Slow Blow	Rated 250V, 0.25A.	UR
6	37	PCB	Various	Various	Rated V-0.	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
6	38	Power Switching Semiconductor (T1, T2, T3)	Advanced	ADV S1D80	Rated minimum 1A.	NR
			LiteOn	T1M5F-600A		
			OnSemiconductor	Z0107		
			STMicro	Z0607		
			SHANGHAI SEEFULL ELECTRONIC	T1M5F - TO92		
			JIANGSU DONGCHEN ELEC TECH CO	TO-92 BT131		
6	39	Relay (PTC1, PTC2)	Various	Various	Rated 125VAC, 15A.	UR
6	40	Resistor (R3)	Various	Various	Rated 75Ω, 1/2W.	NR
6	41	Resistor (R4)	Various	Various	Rated 24Ω, 3W.	NR
6	42	Wiring (not shown)	Various	Various	Minimum 26AWG. Rated 300V, 80°C.	UR
1	43	Cord Tag (not shown)	Lasko	TYVEK L 1057D	Label with adhesive. DRAGON-FC Ink imprinted on top of base material. Rated for use on HPN-R cord 16AWG or larger. If the component does not bear the mark of conformity, refer to ETL report 100775497CRT-001 to inspect this component.	ETLus Recognized
6.1	44	Capacitor (MC2)	Various	CBB21	X2, 474/275V	UR
6.1	45	Capacitor (MC1)	Various	CBB61	Rated 3μF, 250V.	UR

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6.1	46	Fuse	Various	3K	Rated 250V, 0.25A.	cURus
				3T		
6.1	47	PCB	Various	Various	Rated V-0, FR1, 1.6mm, 130°C, 89*52mm	UR
6.1	48	Power Switching Semiconductor (T1, T2, T3)	LiteOn	T1M5F	Rated minimum 1A.	NR
			STMicro	Z0607MA		
			Corpst	TO-92		
6.1	49	Relay (RY1,2)	DONGGUAN GOLDEN ELEC APPLIANCE CO	GH-1A-12L	Rated 125VAC, 15A.	cURus
			SANYOU CORPORATION LIMITED	SRD-S-112DM		
			ZHEJIANG MEISHUO ELEC TECH CO LTD	MPA-S-112-A		
6.1	50	Resistor (R2) (Not Shown)	Various	SMT	Rated 75Ω, 1/2W.	NR
6.1	51	Resistor (R1)	Various	Oxide film resistance	Rated 24Ω, 3W.	NR
6.1	52	Wiring (not shown)	Various	Various	Minimum 26AWG. Rated 300V, 80°C.	UR
6.1	53	Diode	Various	M7	1000V, 1A	NR
				SNA		
6.2	54	Display PCB	Shenzhen Topace Technology CO Ltd	2033955	V-0, 1.6 mm, 130°C.	cURus
6.3	55	Sensor Board	Shenzhen Topace Technology CO Ltd	2033551	V-0, 1.6 mm, 130°C.	cURus

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7	56	Lens	Silver Age Engineering Plastics	230	PC. Rated V-0, 80°C, 0.8mm minimum thickness, NC, RD in color.	cURus
8	57	Motor	Decomin	RS24362	120V, 60Hz, 0.44A	See 5.0
8	58	Power Board Assembly	Sounds Electric Co Ltd	CT24362U/M	Rated 120V, 60Hz. Consists of items 59 - 67.	NR
			Shenzhen Topace Tech Co Ltd		Rated 120V, 60Hz. Consists of items 68 - 77.	NR
			Sounds Electric Co Ltd	CT24362-B	Rated 120V, 60Hz. Consists of items 59 - 67.	NR
			Shenzhen Topace Tech Co Ltd		Rated 120V, 60Hz. Consists of items 68 - 77.	NR
9, 11	59	Capacitor (C2)	Various	CBB21	Rated 0.47μF, 400V.	UR
9, 11	60	Capacitor (C1)	Various	CBB61	Rated 3μF, 250V.	UR
9, 11	61	Fuse	Various	5TE	Rated 250V, 0.25A.	cURus
				2009		
				SMT		
9, 11	62	PCB	Various	Various	127 * 94.4mm Rated V-0, FR1, 1.6mm, 130°C	UR

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9, 11	63	Power Switching Semiconductor (T1, T2, T3, T4)	SHANGHAI SEEFULL ELECTRONIC CO	T1M5F TO-92	600V, 1A	NR
			LITE-ON SEMICONDUCTOR (WU XI) CO LTD			
			LITE-ON SEMICONDUCTOR CORP.			
			ADVANCED CORPORATION LIMITED	ADV S1D80 T0-92 1A		
			JIANGSU DONGCHEN ELEC TECH CO	TO-92 BT131		
9, 11	64	Relay (RY1,2)	DONGGUAN GOLDEN ELEC APPLIANCE CO	GH-1A-12L	Rated 125VAC, 15A.	cURus
			Dongguan Yongneng ELEC Co Ltd	YX202-S-112D		
			ZHEJIANG MEISHUO ELEC TECH CO LTD	MPA-S-112-A		
9, 11	65	Resistor (R1)	Various	wire-wound resistor	Rated 24Ω, 3W.	NR
9, 11	66	Diode (ZD1)	Various	212D5	2W, 12V	NR
9, 11	67	Sensor Board	Various	Various	Rated V-0, FR1, 1.6mm, 130°C	UR
10, 12	68	Capacitor MC2)	Various	MPX	X2, Rated 0.47μF, 275V.	UR
10, 12	69	Capacitor (MC1)	Various	CBB61	Rated 3.5μF, 250V.	UR
10, 12	70	Fuse	Various	3K	Rated 250V, 0.25A.	cURus
				3T		
				3S		

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Photo #	Item no. ¹	Name	Manufacturer/ trademark ²	Type / model ²	Technical data and securement means	Mark(s) of conformity ³
10, 12	71	PCB	Various	Various	127 * 86.4mm Rated V-0, 1.6mm, 130°C	UR
10, 12	72	Power Switching Semiconductor (TR1, TR2, TR3, TR4)	SHANGHAI SEEFULL ELECTRONIC CO LITE-ON SEMICONDUCTOR (WU XI) CO LTD LITE-ON SEMICONDUCTOR CORP. ADVANCED CORPORATION LIMITED ST Micro JIANGSU DONGCHEN ELEC TECH CO	T1M5F TO-92 ADV S1D80 TO-92 1A Z0607MA TO-92 BT131	600V, 1A	NR
10, 12	73	Relay (RY1,2)	DONGGUAN GOLDEN ELEC APPLIANCE CO LTD Dongguan Yongneng ELEC Co Ltd ZHEJIANG MEISHUO ELEC TECH CO LTD	GH-1A-12L YX202-S-112D MPA-S-112-A	Rated 125VAC, 15A.	cURus
10, 12	74	Resistor (R38)	Various	wire-wound resistor	Rated 24Ω, 3W.	NR
10	75	Resistor (R1,R2) (Not Shown)	Various	SMT Resistor	1206/47K	NR
10	76	Diode (D1, D2) (Not Shown)	Various	M7	1000V, 1A	NR
10, 12	77	Sensor Board	Various	Various	Rated V-0, FR1, 1.6mm, 130°C	UR
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
2	14	Motor	Risheng Electrical Appliances Co Ltd	2033107

Electrical Rating: 120V, 60Hz, 0.4A Insulation class A

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

MATERIALS LIST (refer to illustration 2 for assembly drawing)

Component	Manufacturer	Type/model	Dimensions/thickness/assembly information
Bobbin	Super-Dragon Engineering Plastics Co Ltd	6410G5	Nylon. Rated V-0. Recognized component.
Bobbin Cover	Super-Dragon Engineering Plastics Co Ltd	6410G5	Nylon. Rated V-0. Recognized component.
Coil	Risheng Electrical Appliances Co Ltd	1UEW	Ø0.35mm, 1275 turns. Recognized component.
Cover	Various	Iron	Ø27.6mm×Ø10.7mm×0.3mm.
Fuse	Aupo Electronics	P1-F	102°C. Rated 250V, 2A. Recognized component.
Lead Wire	Risheng Electrical Appliances Co Ltd	1015	20AWG. Rated 105°C, VW-1. Recognized component.
Rotor Bushing	Super-Dragon Engineering Plastics Co Ltd	6410G5	Nylon. Ø6.2×9×3.5mm. Recognized component.

WINDING(S) RESISTANCE

Winding Designation	Wire Size (mm ²)	Wire Type	Turns	Volts	Amps	DC resistance (Ω) +/- 10%:
Primary	0.35	UEW1	1275T	120	0.4	21.9

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	1240	60s
	Primary to secondary	--	--
	Secondary to core	--	--

5.0 Critical Unlisted CEC Components

INSULATED COIL

Photo #	Item no.	Name	Manufacturer/Trademark	Type / model
4	16	Oscillation Motor	Creative Motor Mfg Co Ltd	TK50

Electrical Rating: 120V, 60Hz, 6W Insulation class A

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

MATERIALS LIST (refer to illustration 4 for assembly drawing)

Component	Manufacturer	Type/model	Dimensions/thickness/assembly information
Coil Bobbin	Various	PP-FR	PP, Skeleton, V-0 65°C
Coil Windings	Zhuhai Suntek Wire	QA-1/UEW	Enameled wire, polurethane, bond coated Polyamide
Enclosure	Foshan Weiqiang Powder	08F	Steel, Ø42.5mm
Leads	Various	1015	20-26AWG, 0.3mm ² . Recognized component.
		1332	20-26AWG, 0.3mm ² . Recognized component.
		3122	20-26AWG, 0.3mm ² . Recognized component.

WINDING(S) RESISTANCE

Winding Designation	Wire Size (mm ²)	Wire Type	Turns	Volts	Amps	DC resistance (Ω) +/- 10%:
Primary	0.06	QA-1	4900	120	≤50mA	3.3KΩ

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	1240	60s
	Primary to secondary	--	--
	Secondary to core	--	--

5.0 Critical Unlisted CEC Components

INSULATED COIL

Photo #	Item no.	Name	Manufacturer/Trademark	Type / model
8	57	Motor	Decomin	RS24362
Electrical Rating: 120V, 60Hz, 0.44A				Insulation class A
Component Standard used: UL 1004-1, UL 1004-3, CSA C22.2 #100, CSA C22.2 #77.				

MATERIALS LIST (refer to illustration 5 for assembly drawing)

Component	Manufacturer	Type/model	Dimensions/thickness/assembly information
Bobbin	NAN YA PLASTICS (HUI ZHOU) CORP LTD	6410G5	Nylon. Rated V-0. Recognized component.
Bobbin Cover	NAN YA PLASTICS (HUI ZHOU) CORP LTD	6410G5	Nylon. Rated V-0. Recognized component.
Coil	Risheng Electrical Appliances Co Ltd	XUEW	Ø0.35mm, 1265 turns. Ø0.13mm, 275 turnsRecognized component.
Cover	Various	Iron	Ø27.6mm×Ø10.7mm×0.3mm.
Fuse	Aupo Electronics	P1-F	102°C. Rated 250V, 2A. Recognized component.
Lead Wire	Risheng Electrical Appliances Co Ltd	1015	20AWG. Rated 105°C, VW-1. Recognized component.
Rotor Bushing	Rotar Bushing	6410G5	Nylon. Ø6.2×9×3.5mm. Recognized

WINDING(S) RESISTANCE

Winding Designation	Wire Size (mm ²)	Wire Type	Turns	Volts	Amps	DC resistance (Ω) +/- 10%:
Main	Ø0.35	XUEW	1265	120	0.44	22
Main	Ø0.13	XUEW	275	120	0.26	63

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	1240	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, 1.6 mm 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 not required to be grounded since appliance is rated less than 150V and is intended for 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. All wiring is minimum 26 AWG, with a minimum rating of 300V, 80°C.
8. Schematics - No schematics provided.
9. Markings - The product is marked on a labeling system as described in item no. 20 of Section 4.0 or by molding into polymeric enclosure as follows: applicant's name or brand name, model number, date of manufacture, and electrical ratings.

6.0 Critical Features

10. Cautionary Markings - Refer Item 20a 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 10 for details and wording.

RESET INSTRUCTIONS

If the unit shuts down:

- 1) Unplug unit, wait 5-10 minutes
- 2) Plug in and turn ON

Any questions call 1-800-233-0268

11. Cord Tag Marking - Refer to Item 43 of section 4. The statements "WARNING - TO REDUCE THE RISK OF FIRE AND HYPERthermia" 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 project as a flag. The required markings are to be positioned on the projecting flag portion of the tag.

Refer to Illustration 11 for details and wording.

12. Installation, Operating and Safety Instructions - Instructions for installation and use of this product are provided by the manufacturer. Refer to Illustration No(s). 3, 3.1, 3.2, 3.3 and 6 - 9 for details.
For Model CT24362 document NEW 2/20 CT24362ES

13. 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 12 for details and wording.

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 them away from the sides and rear. The product is not to be used in bathrooms, laundry areas or other similar locations.

6.0 Critical Features

14. Logo Dependent Marking - The required marking is dependent on the specific ETL logo applied to the product as authorized by the Authorization to Mark. In addition to the required marking of items 9, 10, 11, 13 above, all products bearing the cETLus logo must also be marked in letters no less than 1.6 mm high and 2.8mm high for CAUTION or ATTENTION with:

Cautionary Markings:

ATTENTION: température élevée, gardez les cordons électriques, les rideaux et autres meubles à au moins 3 pieds (0,9 m) de l'avant du radiateur et à l'écart des côtés et de l'arrière.

AVERTISSEMENT: Risque d'hyperthermie

INSTRUCTIONS DE RÉINITIALISATION

Si l'unité s'arrête:

- 1) Débranchez l'appareil, attendez 5 à 10 minutes
- 2) Branchez et allumez

Pour toute question, appelez le 1-800-233-0268

"AVERTISSEMENT - POUR RÉDUIRE LE RISQUE D'INCENDIE ET D'HYPERTHERMIE

1. Toujours brancher les chauffeuses directement dans une prise murale. Ne jamais utiliser de rallonge ou de prise de courant repositionnable (barre d'alimentation/de sortie).

2. Vérifier le cordon de la chauffeuse et les raccordements de la fiche. Une fiche lâche peut entraîner une surchauffe de la prise ou un incendie. S'assurer que la fiche est fermement insérée dans la prise. Vérifier fréquemment pendant l'utilisation que la fiche et la prise ne sont pas chaudes. Dans ce cas, interrompre l'utilisation de la chauffeuse et faire remplacer la prise par un électricien qualifié.

Remarque : les chauffeuses consomment plus de courant que les petits appareils, la surchauffe de la prise peut se produire même si ça n'a pas été le cas avec d'autres appareils.

3. Toujours débrancher la chauffeuse lorsqu'elle n'est pas utilisée.

4. Ne pas utiliser de chauffeuse avec un fil ou une fiche endommagée, ou lorsque la chauffeuse fonctionne mal, ou si elle a été endommagée ou est tombée de quelque manière. Mettre la chauffeuse au rebut.

5. Ne pas faire passer le cordon d'alimentation sous un tapis. Ne pas couvrir le cordon d'alimentation avec un tapis, un chemin d'escalier, ou des recouvrements similaires. Ne pas faire passer le câble d'alimentation sous des meubles ou des appareils. Placer le cordon d'alimentation loin des

6.0 Critical Features

endroits fréquentés et où il ne pourra pas faire trébucher.

6. L'hyperthermie peut entraîner la mort. Utiliser avec prudence lors du fonctionnement de la chauffeuse afin d'éviter une surchauffe qui pourrait se produire à proximité d'enfants en bas âge, ou de personnes avec des capacités physiques, sensorielles ou mentales réduites.

NE PAS ENLEVER CETTE ÉTIQUETTE !

AVERTISSEMENT: Risque de coup de chaleur (Hyperthermie)

L'hyperthermie peut entraîner la mort chez les nourrissons ou autres.

Utiliser avec prudence pour éviter la surchauffe des personnes.

Lire et respecter toutes les instructions avant utilisation.

RETIRER AVANT UTILISATION!

ATTENTION

Évalué: 120 volts AC, 12,5 ampères, 60 Hz

Utilisez uniquement avec une prise de courant alternatif polarisée de 120 V standard.

Il est destiné à être utilisé sur le sol ou sur une table. Branchez toujours les appareils de chauffage directement dans une prise murale / une prise. Ne l'utilisez jamais avec une rallonge ou une prise d'alimentation amovible (prise / multiprise). Ce radiateur est chaud lorsqu'il est utilisé. Pour éviter les brûlures, ne laissez pas la peau nue toucher les surfaces chaudes. Le cas échéant, utilisez des poignées pour déplacer cet appareil de chauffage. Gardez les matériaux combustibles, tels que les meubles, les oreillers, la literie, les papiers, les vêtements et les rideaux à au moins 3 pieds (0,9 m) de l'avant du radiateur et éloignez-les des côtés et de l'arrière. Le produit ne doit pas être utilisé dans les salles de bains, les buanderies ou autres endroits similaires.

15. Production Control - Separate production lines for different versions. Quality checks will be performed for correspondence between Rating label logo and the specific differences, according to Illustration 1.

16. 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 13 for details and wording.

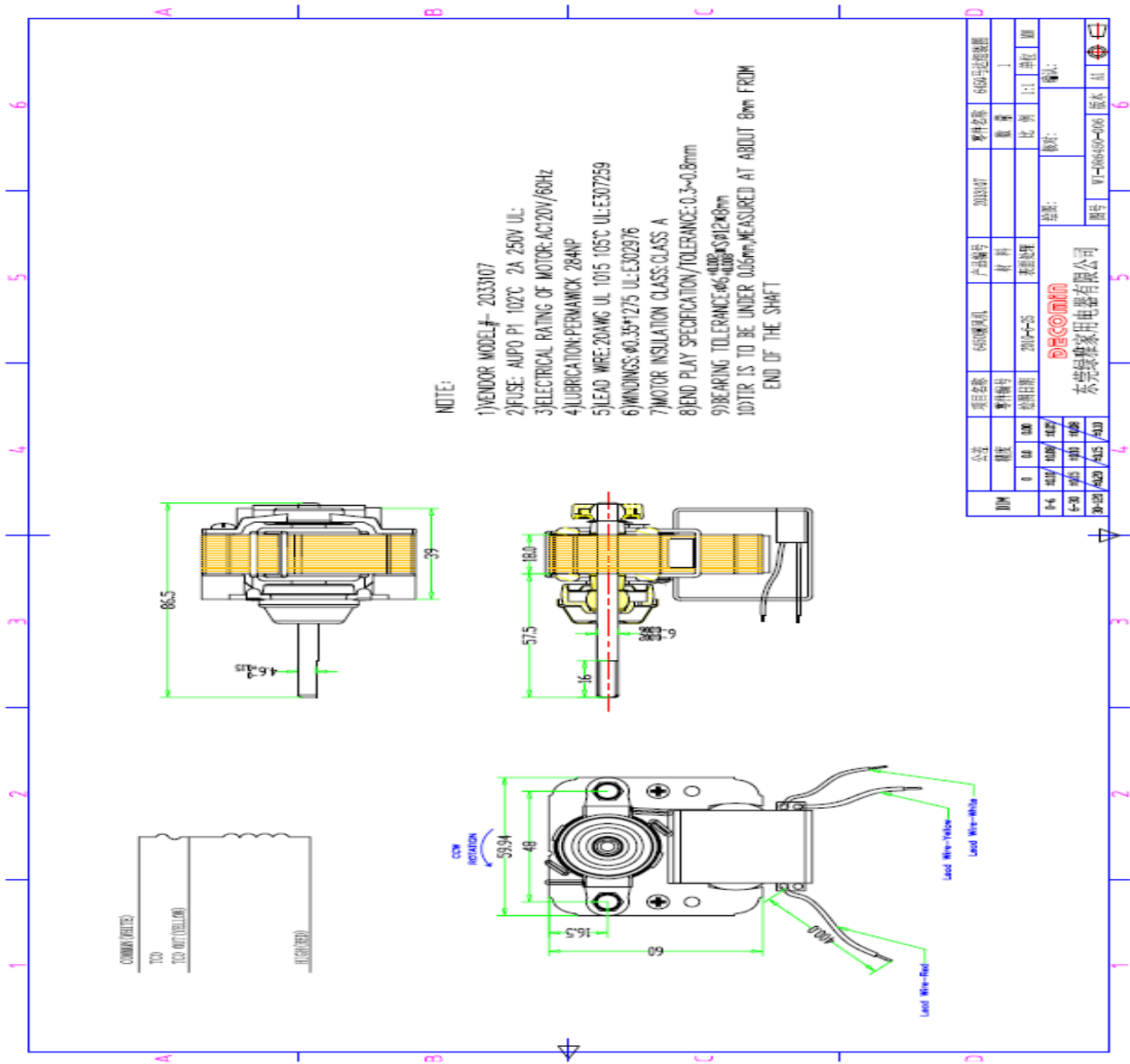
7.0 Illustrations

Illustration 1 - Table of version differences per model.

Section	Item	Specific Difference	Logo Restriction
2	Rating	Rating: 120V, 60Hz, 1500W.	ETLus only
2	Rating	Rating: 120V, 60Hz, 1500W @25°C, 120V, 60Hz, 1500W @0°C	none
4	1, 2, 4, 6	Component model AF312B, rated 5VB	ETLus only
4	1, 2, 3, 4, 6, 7, 13	Component model AF365(&), rated 5VA	none
4	1, 2, 3, 4, 6, 7, 13	Component model 3370, rated 5VA	none
4	3, 7, 13	Component model VH-0815(+), rated V-0	ETLus only
4	5	Component model 230, rated V-0	ETLus only
4	5	Component model 2340, rated 5VA	none
4	9, 10	Component model 168(f1), rated V-0	ETLus only
4	9, 10	Component model 430H, rated 5VA	none
4	9, 10	Component model GP-3156F, rated 5VA	none
4	12	Component model 1403G3, rated V-0	ETLus only
4	12	Component model PBT-RG301(r1), rated 5VA	none
6	10	Cautionary text - without specified French text	ETLus only
6	10	Cautionary text - with specified French text	none
6	11	Cord tag text - without French text	ETLus only
6	11	Cord tag text - with French text	none
6	13	Carton Markings - without specified French text	ETLus only
6	14	Logo dependent text - with specified French text	none
6	14	Logo dependent text - without specified French text	ETLus only

7.0 Illustrations

Illustration 2 - Motor 2033107



7.0 Illustrations

Illustration 3 - Manual

Lasko®

Full-Circle Warmth Ceramic Heater with Remote Control Instruction Manual

Used for Model:
CT24362



Register Your Product Today
You will benefit from:
• Efficient and enhanced support
• Future product updates

Have a Question? Need a Part?

Please Do Not Return Product to Store!
Chat with us at www.lasko.com Monday-Friday 8am - 9pm EST
(Valid in U.S. and Canada only)

READ AND SAVE THESE INSTRUCTIONS

Read carefully before attempting to assemble, install, operate or maintain the product described. Protect yourself and others by observing all safety information. Failure to comply with instructions could result in personal injury and/or property damage!

This heater is for residential use only. It is not intended to be used in commercial, industrial or agricultural settings.



7.0 Illustrations

Illustration 3.1 - Manual Continued



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:



Read all instructions before using this Heater.



WARNING



- 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 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.

SAVE THESE INSTRUCTIONS

7.0 Illustrations

Illustration 3.2 - Manual Continued

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 temperature will be flashing on the display. The Heater 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 Heater.
3. Once the room temperature reaches 2 degrees above the set temperature, the Heater will shut off. The Heater will continue to run for 15 seconds after the element has turned off.
4. If the ambient temperature is equal to the SET temperature, the Heater will run in LOW heat.
5. If the ambient temperature is less than the SET temperature by more than 3 degrees, the Heater will run in HIGH heat.

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

NOTE: In Auto Eco™, the Heater 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.

SAFETY FEATURE

1. A thermal overload protector is built in to prevent overheating.
2. 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:

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

TROUBLE SHOOTING TIPS

If your Heater shuts off unexpectedly or fails to operate, the previously mentioned safety feature may have been activated to prevent overheating.

1. Be sure the power cord is plugged into a working electrical outlet.
2. Make certain the batteries in the remote control are new and properly installed.
3. Check your Temperature setting. The Heater may be off because it has reached the desired temperature setting.
4. If your Heater runs for several minutes and shuts off repeatedly, your Heater may require cleaning. See Maintenance section below.

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

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

MAINTENANCE

WARNING

To reduce the risk of electrical shock and fire please observe the following instructions. Cleaning the Heater regularly will help to maintain its efficiency.



- Always unplug the cord before moving, servicing or cleaning.
- NEVER place the Heater in or near water. DO NOT IMMERSE HEATER IN WATER.
- Clean the Heater only with a vacuum equipped with a brush attachment; the vacuum will remove the lint and dirt from the surface of the Heater.
- Vacuum intake grills every two weeks; this will help to maintain the optimum Heater performance.
- Use a toothbrush or other soft bristle brush to gently loosen any dirt not removed by the vacuum.
- 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.

LASKO PRODUCTS, LLC LIMITED WARRANTY (VALID IN THE USA, ITS TERRITORIES, 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: 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 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, unauthorized repairs made or attempted, or the use of the product for commercial or nonresidential service. 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)

Manual printed in China

7.0 Illustrations

Illustration 4 - Oscillation Motor TK 50

The diagram is an exploded view of the Oscillation Motor TK 50. It shows the following components from bottom to top: 1. Base housing, 2. Stator assembly, 3. Rotor assembly, 4. Commutator, 5. Brush holder, 6. Brush, 7. Spring, 8. Rotor, 9. Commutator, 10. Rotor, 11. Rotor, 12. Rotor, 13. Rotor. The components are shown in their relative positions as they would be assembled.

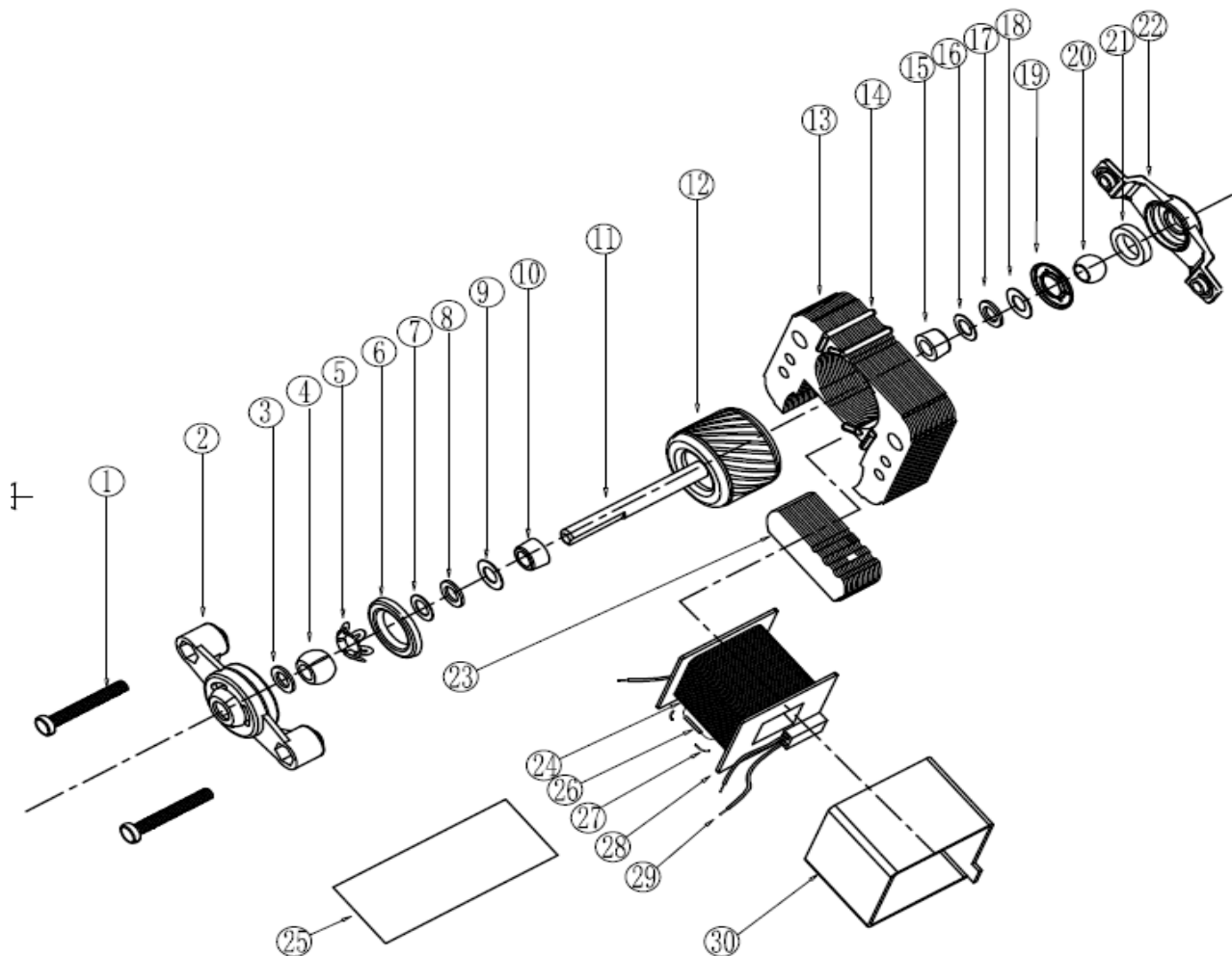
BOM List of TK50 Synchronous motor				
No.	Item	Specification	Manufacturer/Supplier/Other Corresponding	3D File No.
1	Enclosure	PP	Jishen Tielu Trading Co., LTD.	
2	Shaft	20#	Shanghai Jielu Electronics Factory	
3	Motor	Perforate magnet	Shanghai Jielu Electronics Factory	
4	Shaft	20#	Shanghai Jielu Electronics Factory	
5	Spring	Carbon spring steel	Shanghai Jielu Electronics Factory	
6	Brush	Carbon brush	Shanghai Jielu Electronics Factory	
7	Enclosure	PP	Jishen Tielu Trading Co., LTD.	
8	Shaft	20#	Shanghai Jielu Electronics Factory	
9	Motor	Perforate magnet	Shanghai Jielu Electronics Factory	
10	Shaft	20#	Shanghai Jielu Electronics Factory	
11	Motor	Perforate magnet	Shanghai Jielu Electronics Factory	
12	Shaft	20#	Shanghai Jielu Electronics Factory	
13	Motor	Perforate magnet	Shanghai Jielu Electronics Factory	

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6	Brush	Carbon brush	Shanghai Jielu Electronics Factory	
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10	Shaft	20#	Shanghai Jielu Electronics Factory	
11	Motor	Perforate magnet	Shanghai Jielu Electronics Factory	
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6	Brush	Carbon brush	Shanghai Jielu Electronics Factory	
7	Enclosure	PP	Jishen Tielu Trading Co., LTD.	
8	Shaft	20#	Shanghai Jielu Electronics Factory	
9	Motor	Perforate magnet	Shanghai Jielu Electronics Factory	
10	Shaft	20#	Shanghai Jielu Electronics Factory	
11	Motor	Perforate magnet	Shanghai Jielu Electronics Factory	
12	Shaft	20#	Shanghai Jielu Electronics Factory	
13	Motor	Perforate magnet	Shanghai Jielu Electronics Factory	

7.0 Illustrations

Illustration 5 - Motor RS24362



Item	Qty	Part Name/Description	Material
1	2	Screw	Spring steel
2	1	Aluminium strip	Aluminium metal
3	1	Reserve Lubricant	284NP
4	1	Bushing Bearing	CU Alloy steel
5	1	Bearing Holder	SK5
6	1	Cup	IRON
7	1	Washer	Film
8	1	Washer	Rubber
9	1	Washer	Graphite
10	1	Rotor Bushing	NYLON V0
11	1	Shaft	S45C
12	1	Rotor	99.7%AL+Steel
13	1	Stator Core A	Silicon steel
14	1	Shade Band	CU
15	1	Rotor Bushing	6410G5 NYLON V0
16	1	Washer	Graphite
17	1	Washer	Rubber
18	1	Washer	Film
19	1	Bearing Holder	SECC
20	1	Bushing Bearing	CU Alloy steel
21	1	Reserve Lubricant	284NP
22	1	Aluminium strip	Aluminium metal
23	1	Stator Core B	Silicon steel
24	1	Coil	Main coil 30,38725T 00,12725T
25	1	Insulation adhesive plaster	JY-312DY Yellow
26	1	Fuse	2A/250V 102°C
27	2	PVC Bushing	TRT-300
28	1	Bobbin	NYLON 94V-0
29	3	Lead Wire	20AWG UL 1015 105°C
30	1	Bobbin Cover	NYLON 94V-0

7.0 Illustrations

Illustration 6 - Manual CT22360C

Lasko®

Ceramic Heater Full-Circle Warmth with Remote Control Instruction Manual

Used for Model:
CT22360C



Register Your Product Today
You will benefit from:
• Efficient and enhanced support
• Future product updates

Have a Question? Need a Part?

Please Do Not Return Product to Store!
Chat with us at www.lasko.com Monday-Friday 8am - 9pm EST
(Valid in U.S. and Canada only)

READ AND SAVE THESE INSTRUCTIONS

Read carefully before attempting to assemble, install, operate or maintain the product described. Protect yourself and others by observing all safety information. Failure to comply with instructions could result in personal injury and/or property damage!
This heater is for residential use only. It is not intended to be used in commercial, industrial or agricultural settings.

7.0 Illustrations

Illustration 7 - Manual CT22360C (Cont.)



⚠ 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:



Read all instructions before using this Heater.



⚠ WARNING



- 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 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.

SAVE THESE INSTRUCTIONS

7.0 Illustrations

Illustration 8 - Manual CT22360C (Cont.)

AUTOMATIC TEMPERATURE CONTROL

The automatic temperature function will only operate on High Heat Mode. You cannot set the temperature automatically when the unit is in the Low Heat Mode.

1. To set the room at a specific temperature press the (+) or (-) buttons to the desired temperature. The display will now reflect the (°C) and the temperature will be flashing. The Heater is now in Auto Temperature 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 Heater.
3. Once the room temperature reaches 2 degrees above the set temperature, the Heater will shut off. Once the room temperature reaches 1 degree below the set temperature, the Heater will turn back on and continue to cycle off and on to maintain the set temperature.
4. This function will cancel if the (°C) button is pressed. The Heater will now be in High heat and run continuously.

NOTE: It is normal for the Heater "fan" to run for approximately 15 seconds when the Heater shuts off after reaching the set temperature. Press the (+) and (-) buttons at the same time to change the display to ° Fahrenheit. Press the same two buttons together again to change the display back to ° Celsius.

SAFETY FEATURE

1. A thermal overload protector is built in to prevent overheating.
2. 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:
 1. Unplug the Heater and wait 10 minutes for the Heater to cool down.
 2. After the Heater has cooled down, plug the unit into a 120V~ electrical outlet and follow the operation instructions described in this manual.

TROUBLE SHOOTING TIPS

If your Heater shuts off unexpectedly or fails to operate, the previously mentioned safety feature may have been activated to prevent overheating.

1. Be sure the power cord is plugged into a working electrical outlet.
2. Make certain the batteries in the remote control are new and properly installed.
3. Check your Temperature setting. The Heater may be off because it has reached the desired temperature setting.
4. If your Heater runs for several minutes and shuts off repeatedly, your Heater may require cleaning. See Maintenance section below.

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

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

MAINTENANCE

⚠ WARNING



- Always unplug the cord before moving, servicing or cleaning.
- NEVER place the Heater in or near water. DO NOT IMMERSE HEATER IN WATER.
- Clean the Heater only with a vacuum equipped with a brush attachment; the vacuum will remove the lint and dirt from the surface of the Heater.
- Vacuum intake grills every two weeks; this will help to maintain the optimum Heater performance.
- Use a toothbrush or other soft bristle brush to gently loosen any dirt not removed by the vacuum.
- 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.

To reduce the risk of electrical shock and fire please observe the following instructions. Cleaning the Heater regularly will help to maintain its efficiency.

LASKO PRODUCTS, LLC LIMITED WARRANTY (VALID IN THE USA, ITS TERRITORIES, 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: 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 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, unauthorized repairs made or attempted, or the use of the product for commercial or nonresidential service. 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.

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

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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 9 - Manual CT22360C (Cont.)



AVERTISSEMENT



INSTRUCTIONS IMPORTANTES DE SÉCURITÉ

Lors de l'utilisation d'appareils électriques, ces instructions et ces avertissements devraient toujours être respectés pour réduire le risque d'incendie, de décharge électrique, de blessures sur des personnes et d'hyperthermie:

POUR RÉDUIRE LES RISQUES D'INCENDIE, DE DÉCHARGE ÉLECTRIQUE OU DE BLESSURE, TOUJOURS SUIVRE CES INSTRUCTIONS IMPORTANTES DE SÉCURITÉ ET AVERTISSEMENTS:



Bien lire toutes les instructions avant d'utiliser cette chauffeuse.



AVERTISSEMENT



- TOUJOURS BRANCHER LES CHAUFFERETTES DIRECTEMENT DANS UNE PRISE DE COURANT / UN RÉCEPTACLE MURAL. NE JAMAIS UTILISER AVEC UN CORDON D'EXTENSION. NE PAS BRANCHER LA CHAUFFERETTE DANS TOUT AUTRE DISPOSITIF BRANCHE PAR CORDON, TEL QU'UNE BARRE D'ALIMENTATION, UN ADAPTATEUR A PLUSIEURS PRISES, UN DEVIDOIR DE CORDON OU UN RAFFRAICHISSEUR D'AIR MUNI D'UNE PRISE DE COURANT. L'UTILISATION DE TELS DISPOSITIFS PEUT CREER UN RISQUE D'INCENDIE. BRANCHER L'UNITÉ DIRECTEMENT DANS UNE PRISE DE COURANT MURALE A 120 VAC UNIQUEMENT.
- DES MAUVAISES CONNEXIONS À UNE PRISE DE COURANT MURALE PEUVENT CAUSER UNE SURCHAUFFE DE LA PRISE DE COURANT. ASSUREZ-VOUS QUE LA FICHE S'ENFONCE COMPLÈTEMENT DANS LA PRISE AVANT CHAQUE UTILISATION. PENDANT L'USAGE, VÉRIFIER QUE LA FICHE DE LA CHAUFFERETTE NE SURCHAUFFE PAS. SI NÉCESSAIRE, FAITES VÉRIFIER ET/OU RÉPARER LA PRISE DE COURANT MURALE. NE PAS UTILISER CETTE CHAUFFERETTE AVEC UN GRADATEUR ÉLECTRONIQUE D'INTENSITÉ.
- Assurez-vous que la source d'alimentation soit conforme aux exigences électriques de la chauffeuse.
- Une extrême prudence est requise lors de l'utilisation d'une chauffeuse par ou près des enfants ou des personnes invalides. Ne jamais laisser fonctionner la chauffeuse sans surveillance. Ne jamais laisser les enfants sans surveillance alors que la chauffeuse est branchée ou en opération.
- Cet appareil est muni d'une fiche polarisée (une lame est plus large que l'autre). Pour réduire les risques de choc électrique, cette fiche est conçue pour s'ajuster d'une seule façon dans une prise de courant polarisée. Si la fiche ne s'ajuste pas complètement dans une prise, inverser la fiche. Si elle ne s'ajuste toujours pas, contacter un électricien qualifié. Ne pas tenter de contourner cette caractéristique de sécurité.
- NE PAS utiliser le radiateur dans des endroits où de l'essence, de la peinture ou des liquides inflammables sont utilisés ou entreposés. NE PAS utiliser le radiateur dans des endroits où des produits chimiques inflammables ou explosifs sont utilisés ou entreposés, ni dans des atmosphères mouillées.
- Ne pas opérer une chauffeuse avec une fiche ou un cordon endommagé ou après une défaillance de la chauffeuse, ou après qu'elle ait fait une chute ou qu'elle ait été endommagée de quelque manière. Pour déconnecter la chauffeuse, éteindre d'abord la chauffeuse puis retirer la fiche de la prise de courant.
- Toujours débrancher la chauffeuse lorsqu'elle n'est pas utilisée. Débrancher le cordon d'alimentation avant d'effectuer un service ou de déplacer la chauffeuse.
- Ne pas insérer ni permettre aux doigts ou corps étrangers d'entrer dans toute ouverture de ventilation ou d'évacuation puisque cela peut causer un choc électrique, un incendie ou endommager le radiateur. Ne pas bloquer ou altérer autrement la chauffeuse de quelque manière alors qu'elle est en opération.
- NE PAS bloquer les entrées et/ou sorties d'air de quelque manière. Ne pas placer sur des surfaces molles, comme sur un lit, où des ouvertures pourraient devenir bloquées. Ne pas vous fier uniquement à l'interrupteur en/hors comme seul moyen de déconnexion de l'alimentation lors de service ou du déplacement de la chauffeuse. Toujours débrancher le cordon d'alimentation de la prise de courant.
- L'hyperthermie peut entraîner la mort. L'hyperthermie se traduit par des symptômes de température corporelle élevée, maux de tête, nausées, vomissements, fatigue, vertige, évanouissements et pouls rapide. Si vous ressentez des symptômes d'hyperthermie, éteindre la chauffeuse et consulter un médecin.
- Pour éviter une température ambiante trop élevée, ce qui peut entraîner l'hyperthermie : NE PAS laisser le produit fonctionner sans surveillance dans un espace clos à proximité d'enfants en bas âge, ou de personnes avec des capacités physiques, sensorielles ou mentales réduites.

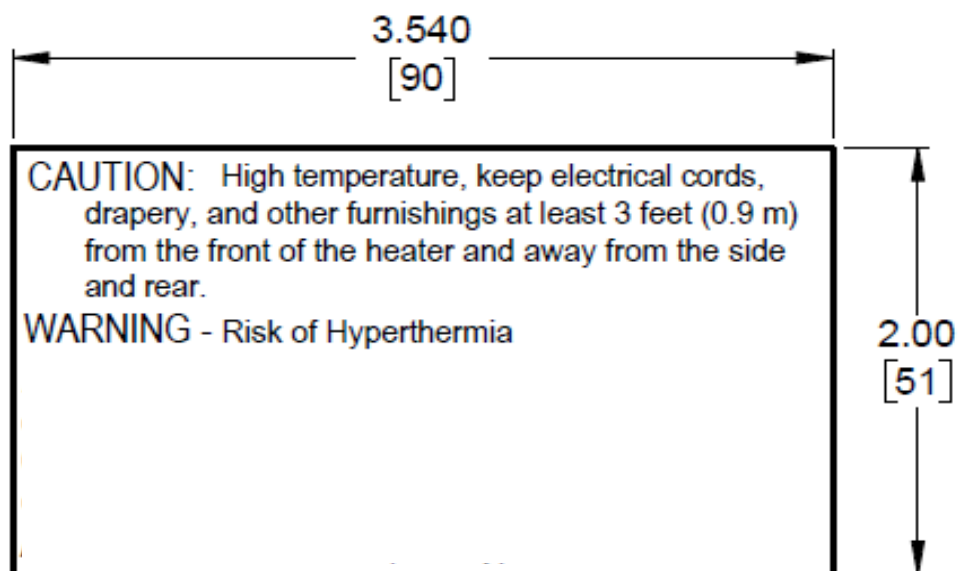
AVERTISSEMENT

- Placer toujours la chauffeuse sur une surface stable, plane et à niveau lors de l'opération, pour éviter le risque de renversement de la chauffeuse. Localiser le cordon d'alimentation pour éviter que le radiateur ou d'autres objets reposent sur le cordon. NE PAS faire courir le cordon d'alimentation sous les tapis. NE PAS couvrir un cordon d'alimentation avec une carpe, un tapis ou autre recouvrement similaire puisque cela peut causer une surchauffe du cordon. Placer le cordon d'alimentation éloigné du trafic de la pièce et là où on ne peut passer par-dessus.
- Cette chauffeuse est CHAUDE lorsqu'elle est en opération. Pour éviter des brûlures, ne pas laisser la peau nue entrer en contact avec des surfaces chaudes. Toujours utiliser la poignée lors du déplacement de cette chauffeuse. Garder tout matériau combustible, comme l'ameublement, coussins, literie, papier, vêtements et rideaux à au moins 0,9 m de l'avant de la chauffeuse et à au moins 0,3 m des côtés et de l'arrière de la chauffeuse.
- Cette chauffeuse n'est pas conçue pour utilisation dans des emplacements humides ou mouillés. Cette chauffeuse n'est pas conçue pour utilisation dans les salles de bains, salle de lavage et autres emplacements intérieurs semblables. NE JAMAIS placer une chauffeuse à un endroit où elle pourrait tomber dans une baignoire ou autre contenant d'eau.
- NE PAS utiliser la chauffeuse à l'extérieur.
- Ce radiateur n'est pas convenable pour utilisation dans des installations agricoles incluant les endroits où le bétail, la volaille ou d'autres animaux sont confinés. Veuillez vous référer à l'article 547-7 (2008) du Code Électrique National (NEC), aux normes ou aux codes locaux ou d'État pertinents aux exigences électriques pour les bâtiments agricoles. CE RADIATEUR NE RENCONTRE PAS LES EXIGENCES DE L'ARTICLE 547-7 (2008) DU CODE ÉLECTRIQUE NATIONAL (NEC).
- Cette chauffeuse n'est pas applicable pour utilisation dans des emplacements dangereux. Veuillez vous référer à l'article 500 du Code Électrique National (NEC), ou aux normes ou codes locaux ou d'État pertinents aux exigences électriques pour les endroits dangereux. CE RADIATEUR NE RENCONTRE PAS LES EXIGENCES DE L'ARTICLE 500 DU CODE ÉLECTRIQUE NATIONAL (NEC).
- Les télécommandes d'autres appareils ou équipements électroniques peuvent parfois interférer avec l'opération de cette chauffeuse. Si cela survient, vous devez déplacer la chauffeuse vers un autre emplacement ou cesser l'utilisation d'autre équipement.
- Garder la télécommande de la chauffeuse éloignée des chaises et de votre lit ou autre endroit où l'on pourrait s'asseoir ou se placer sur la télécommande et ainsi démarrer la chauffeuse par inadvertance.

CONSERVER CES INSTRUCTIONS

7.0 Illustrations

Illustration 10 - Cautionary Markings



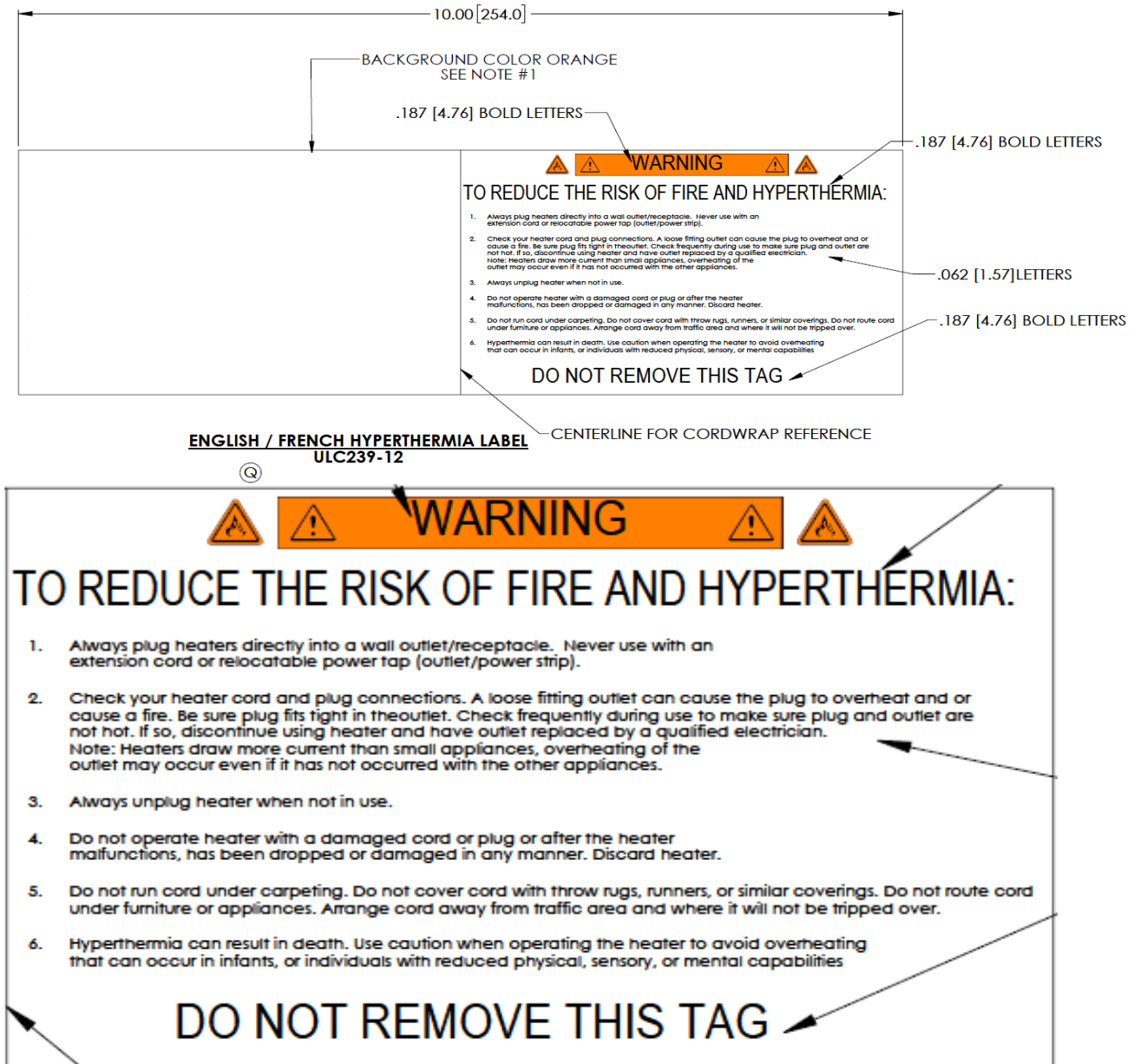
ULE260-67B
WARNING LABEL WITH HYPERTHERMIA
ENGLISH/FRENCH
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7.0 Illustrations

Illustration 11 - 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 12 - Carton Markings

Lasko®

Ceramic Heater

Full-Circle Warmth

Calefactor de Cerámica

Círculo Completo de Calor



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 them away from the sides and rear. The product is not to be used in bathrooms, laundry areas or other similar locations.

ADVERTENCIA
Clasificado: 120 Vca, 12.5 A, 60Hz
Use sólo con un tomacorriente polarizado estándar de 120 Vca.
Está diseñado para uso en el piso.

Siempre conecte Los Calefactores directamente a un tomacorriente/interruptor de pared. Nunca use con un cable de extensión o una regleta reubicable (tomacorriente/regleta). El calefactor está caliente cuando se encuentra en uso. Para evitar quemaduras, no deje que la piel desnuda entre en contacto con superficies calientes. En caso de ser suministradas, use las agarraderas para transportar este calefactor. Mantenga los materiales combustibles, como muebles, almohadas, ropa de cama, papeles, vestimenta a por lo menos 3 pies (0.9m) de la parte frontal del Calefactor y manténgalos alejados de los costados y de la parte posterior. El producto no debe usarse en baños, áreas de lavado u otros lugares similares.

FRAGILE - DO NOT DROP
FRÁGIL - NO DEJAR CAER

Use with your home's primary heat for added room warmth. This heater is not intended for whole-house heating.

Usar con la fuente de calefacción principal de su hogar para agregar calor a la habitación. Este calefactor no ha sido diseñado para proveer calefacción a toda la casa.

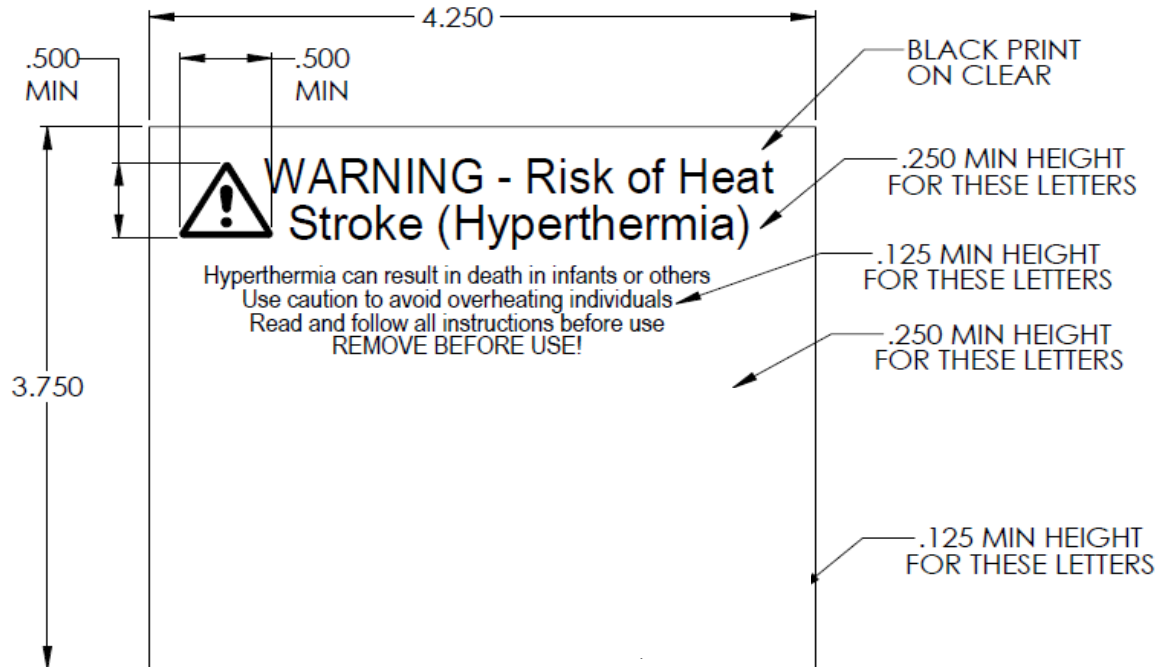
Corrugated Recycles
Cartón Reciclado

Lasko cares about the planet. Please do your part. For environmentally responsible disposal of this product, contact your local waste service provider or visit www.1800recycling.com for tips, ideas and suggested recyclers and waste service providers.

Lasko se preocupa por el planeta. Ponga de su parte para cuidar el medio ambiente. Para desechar este producto de manera ecológicamente responsable, comuníquese con su proveedor de servicio de desechos local o visite www.1800recycling.com para obtener consejos, ideas y sugerencias de empresas recicladoras y proveedores de servicios de desechos.

7.0 Illustrations

Illustration 13 - Removable Warning Label



ULB307-2B
FRENCH/ENGLISH
LOCATION: FRONT HOUSING
SEE MANUFACTURING BOOK

Ⓐ

8.0 Test Summary					
Evaluation Period	4/8/2021 through 4/14/2021		Project No.	G104670485	
Sample Rec. Date	8-Apr-2021	Condition	Production	Sample ID.	1, 2, 3, 4, 5
Test Location	Lasko Products, LLC 820 Lincoln Ave. West Chester, PA 19380 USA				
Test Procedure	Test Data Acceptance - Level 3				
Due to the previous testing performed under Intertek Report 102581730CRT-001 only the following testing was performed:					
The following tests were performed:					
Test Description	UL 1278 Clause:		UL 746C Clause:	CSA C22.2 #46 Clause:	
Input Test	--		--	7.2.2	
Abnormal Operation - Tip over test	--		--	7.6.4.3	
Abnormal Operation - Vertical Wall Test	--		--	7.6.4.5	
Abnormal Operation - Cheesecloth Drape Test	--		--	7.6.4.8	
Abnormal Input	--		--	7.6.7	
Cold Ambient Startup	--		--	7.6.8	
Starting	--		--	7.6.9	
Physical Abuse Test	--		--	7.11.1	
Push Back Strain Relief Test	16.13		--	7.8(b)	
Strain Relief Test	59		--	7.8(a)	
Mold Stress Relief Distortion Test	9.4		29.1, 61.2	--	
Strain Relief Test Following Mold Stress	59		29.1c, 61.2	--	

Evaluation Period	3/20/2024	Project No.	G105748809
Due to the previous testing performed and reported above no additional testing was necessary for Movable and Wall- or Ceiling-Hung Electric Room Heaters [ANSI/UL 1278:2014 Ed.4+R:21Feb2022]			

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:	Russell Ransom
Title:	Engineer	Title:	Reviewer
Signature:	<i>Angel Valencia</i>	Signature:	<i>Russell Ransom</i>

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 19381				
Country	USA				
Product	Electric Heater				
MULTIPLE LISTEE 1	None				
Address					
Country					
Brand Name					
ASSOCIATED MANUFACTURER					
Address					
Country					
<table border="1"> <thead> <tr> <th>MULTIPLE LISTEE 1 MODELS</th> <th>BASIC LISTEE MODELS</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> </tr> </tbody> </table>		MULTIPLE LISTEE 1 MODELS	BASIC LISTEE MODELS		
MULTIPLE LISTEE 1 MODELS	BASIC LISTEE MODELS				
MULTIPLE LISTEE 2	None				
Address					
Country					
Brand Name					
ASSOCIATED MANUFACTURER					
Address					
Country					
<table border="1"> <thead> <tr> <th>MULTIPLE LISTEE 2 MODELS</th> <th>BASIC LISTEE MODELS</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> </tr> </tbody> </table>		MULTIPLE LISTEE 2 MODELS	BASIC LISTEE MODELS		
MULTIPLE LISTEE 2 MODELS	BASIC LISTEE MODELS				
MULTIPLE LISTEE 3	None				
Address					
Country					
Brand Name					
ASSOCIATED MANUFACTURER					
Address					
Country					
<table border="1"> <thead> <tr> <th>MULTIPLE LISTEE 3 MODELS</th> <th>BASIC LISTEE MODELS</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> </tr> </tbody> </table>		MULTIPLE LISTEE 3 MODELS	BASIC LISTEE MODELS		
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 and/or revisions.

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

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

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

All products covered by this Report.

Test Voltage

1000V

or

1200V

Test Time

60 s

1 s

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
7-Mar-2023 G105375467CRT	L. Velez R. Ransom	4	16	Adding Alternate: DONGGUAN LANSHUNXIN INDUSTRIAL CO LTD (E485600), TY50K, 120V, 60Hz. 6W, 18RPM.
			17	Manufacture Changed FROM Risheng Electrical Appliances Factory #2 Plant TO Risheng Electrical Appliances. Technical Changed FROM 16AWG (element), 24AWG (oscillator motor), 20AWG (blower motor). Rated 600V, 105°C. TO 16AWG (element), 20AWG (blower motor). Rated 600V, 105°C.
20-Mar-2024	A. Valencia <i>A.V.</i>	1	-	Updated standard from Movable and Wall- or Ceiling-Hung Electric Room Heaters [ANSI/UL 1278:2014 Ed.4+R:20Aug2018] to Movable and Wall- or Ceiling-Hung Electric Room Heaters [ANSI/UL 1278:2014 Ed.4+R:21Feb2022]
G105748809CRT	R. Ransom <i>RR</i>	2	-	Added CT22980, CT22980C under Models and Added Model Similarity Statement "CT22980 is the same as CT22360 except for external cosmetics" "CT22980C is the same as CT22360C except for external cosmetics"
		4	15	Removed info from technical data "Used in CT22360."
		4	20	Updated component name from Label to Rating Label
		4	20a	Added component: Cautionary Marking Label
		4	54	Removed info from technical data "Used in CT22360."
		4	55	Removed info from technical data "Used in CT22360."

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
		6	10	Rewrote statement from The following are required: CAUTION: High temperature, keep electrical cords, drapery, and other furnishings at least 3 feet (0.9m) from the front of the heater and away from the side and rear. The marking shall be readily visible. The marking shall be in letters not less than 1/8 inch (3.2mm) in height and shall be of a permanent type and in a color that contrasts with that of the enclosure or background. RESET INSTRUCTIONS If the unit shuts down: 1) Unplug unit, wait 5-10 minutes 2) Plug in and turn ON Any questions call 1-800-233-0268 to Refer Item 20a 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 10 for details and wording. RESET INSTRUCTIONS If the unit shuts down: 1) Unplug unit, wait 5-10 minutes 2) Plug in and turn ON Any questions call 1-800-233-0268

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
		6	11	Rewrote statement from Cord tag is marked on a cord tag system as described in item 43 of Section 4.0. The markings specified in this section shall be permanently affixed to the power-supply cord, shall be no more than 6 inches (152 mm) from the attachment plug. The following are required: "WARNING - TO REDUCE THE RISK OF FIRE: 1) Always plug heaters directly into a wall outlet/receptacle. Never use with an extension cord or relocatable power tap (outlet/power strip). 2) Check your heater cord and plug connections. A loose fitting outlet can cause the plug to overheat or cause a fire. Be sure plug fits tight in the outlet. Check frequently during use to make sure plug and outlet are not hot. If so, discontinue using heater and have outlet replaced by a qualified electrician. Heaters draw more current than small appliances, overheating of the outlet may occur even if it has not occurred with the other appliances. 3) Always unplug heater when not in use. 4) Do not operate heater with a damaged cord or plug or after the heater malfunctions, has been dropped or damaged in any manner. Discard heater or return to an authorized service facility for examination and/or repair. 5) Do not run cord under carpeting. Do not cover cord with throw rugs, runners, or similar coverings. Do not route cord under furniture or appliances. Arrange cord away from traffic area and where it will not be tripped over. DO NOT REMOVE THIS TAG!" to Refer to Item 43 of section 4. The statements "WARNING - TO REDUCE THE RISK OF FIRE AND HYPERTHERMIA" 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 project as a flag. The required markings are to be positioned on the projecting flag portion of the tag. Refer to Illustration 11 for details and wording.

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
		6	13	Replaced statement from The carton shall have the following markings that appear on one side except the bottom: to 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 12 for details and wording.
		6	16	Added new statement: Removable Warning Label
		7	3 - 3.2	Replaced with version covering Hyperthermia requirements
		7	3.3	Deleted Illustration: Manual Continued
		7	6 - 9	Replaced with version covering Hyperthermia requirements
		7	10	Added Illustration: Cautionary Marking
		7	11	Added Illustration: Cord Tag Marking
		7	12	Added Illustration: Carton Markings
		7	13	Added Illustration: Removable Warning Label
		8	-	Added evaluation block in section 8.0
		8.1	-	Replaced signatures from William Beveridge/Russell Ransom to Angel Valencia/Russell Ransom