

How to Use



- 1** Pour water into the sink (can not exceed the water line).

- 2** Press the "ON/OFF" button, then press "SELECT" button, press "S" or "L" (press "CLEAN" enter into automatic cleaning) choose ice cube size.



- 3** When "ICE FULL", the machine will automatically shut off, the indicator light turns red to warn you to scoop out the ice cubes; When run out of water, the "ADD WATER" indicator light turns red, tell you to add water.

| 1.0 Reference and Address | | | |
|----------------------------------|---|------------------------------|---|
| Report Number | 180620054GZU-001 | Original Issued: 17-Aug-2018 | Revised: 9-Oct-2019 |
| Standard(s) | Ice Makers [UL 563:2009 Ed.8+R:12Jan2017] CSA C22.2#120 Issued: 2013/03/01 Ed: 4 Refrigeration Equipment | | |
| Applicant | <u>Chuzhou Donlim Electrical Appliances Co., Ltd</u> | Manufacturer | <u>Chuzhou Donlim Electrical Appliances Co., Ltd</u> |
| Address | No.1777 Yangzi East Road, Chuzhou City, Anhui Province | Address | No.1777 Yangzi East Road, Chuzhou City, Anhui Province |
| Country | China | Country | China |
| Contact | Mr. Jack Zhang | Contact | Yue Yuan |
| Phone | 86-550-2185326 | Phone | 86-550-2185324 |
| FAX | NA | FAX | NA |
| Email | zhangjianjun2@donlim.com | Email | yuanyue@donlim.com |

| 2.0 Product Description | |
|--------------------------------|---|
| Product | Ice Maker |
| Brand name | Donlim, Kenwell, COSTWAY, Koolatron |
| Description | The product covered by this report is Ice Maker having a rating of 120 V, 60 Hz intended for Indoor and Household Use Only, provided with a nondetachable flexible power supply cord terminated in NEMA Config 5-15P plug. |
| Models | IM2100-UL, IM2100D-UL, IM2100T-UL, IM2100DT-UL, IM2101-UL, IM2101D-UL, IM2101T-UL, IM2101DT-UL, IM2102-UL, IM2102D-UL, IM2102T-UL, IM2102DT-UL, IM2100A-UL, IM2100AD-UL, IM2100AT-UL, IM2100ADT-UL, IM2101A-UL, IM2101AD-UL, IM2101AT-UL, IM2101ADT-UL, IM2102A-UL, IM2102AD-UL, IM2102AT-UL, IM2102ADT-UL, IM2100B-UL, IM2100BD-UL, IM2100BT-UL, IM2100BDT-UL, IM2101B-UL, IM2101BD-UL, IM2101BT-UL, IM2101BDT-UL, IM2102B-UL, IM2102BD-UL, IM2102BT-UL, IM2102BDT-UL, KWIM-0500, EP24023, KIM26-B |
| Model Similarity | All the models are the same except the control panel, outer shell and handle. Model IM2100D-UL is the same as IM2100-UL except that IM2100D-UL has handle. Model IM2100T-UL, IM2100DT-UL is respectively the same as IM2100-UL, IM2100D-UL except the control panel. "2101" series are the same as "2100" series except the front outer shell material is steel. "2102" series are the same as "2100" series except all the outer shell material is steel. Letter "A" and "B" means different design of top enclosure. Model with "A" or "B" in model name is identical to model without letter "A" or "B" except model name. KWIM-0500 is identical to IM2100AD-UL except model name. EP24023 is identical to IM2101AT-UL except model name. KIM26-B is identical to IM2100T-UL except model name. |
| Ratings | 120V, 60Hz, 1.7 A |
| Other Ratings | Refrigerant: R600a / 0.8 oz. High/Low pressure: 290 / 138 PSIG |

3.0 Product Photographs

Photo 1 - External view of model IM2100D-UL also represents IM2100 series except the control panel and handle

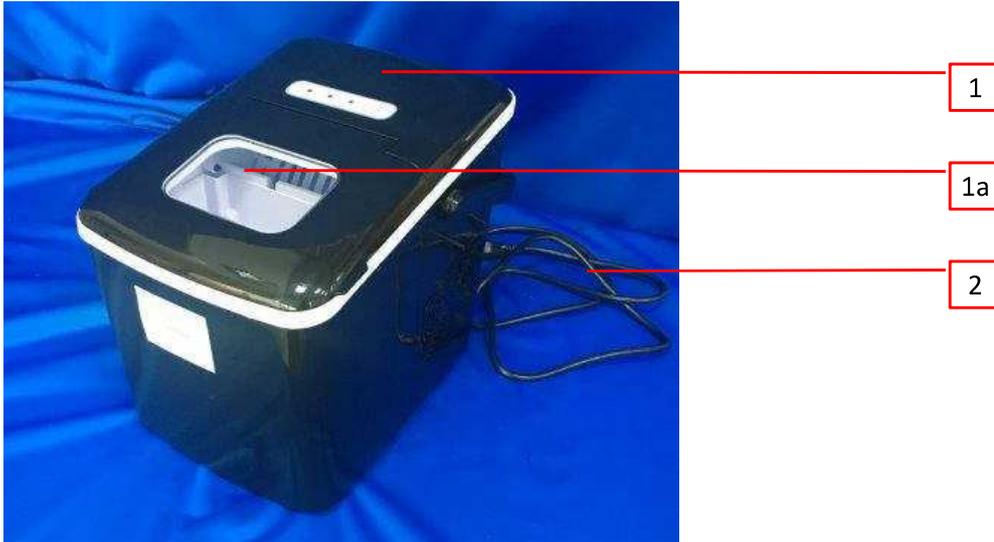


Photo 1.1 - External view of model IM2100DT-UL - with alternative Top Enclosure also for all models.



3.0 Product Photographs

Photo 2 - External view of model IM2101D-UL also represents model IM2101-UL except the handle



Photo 3 - External view of model IM2101DT-UL also represents model IM2101T-UL except the handle



Photo 3.1 - External view of model IM2101DT-UL - with alternative Top Enclosure also for all models.



3.0 Product Photographs

Photo 3.2 - External view of model IM2102DT-UL also represents IM2102 series except control panel and the handle



Photo 4 - External view of model IM2100D-UL also represents model IM2100-UL except the handle



Photo 4.1 - External view of model IM2100D-UL also represents all models except the outer shell material



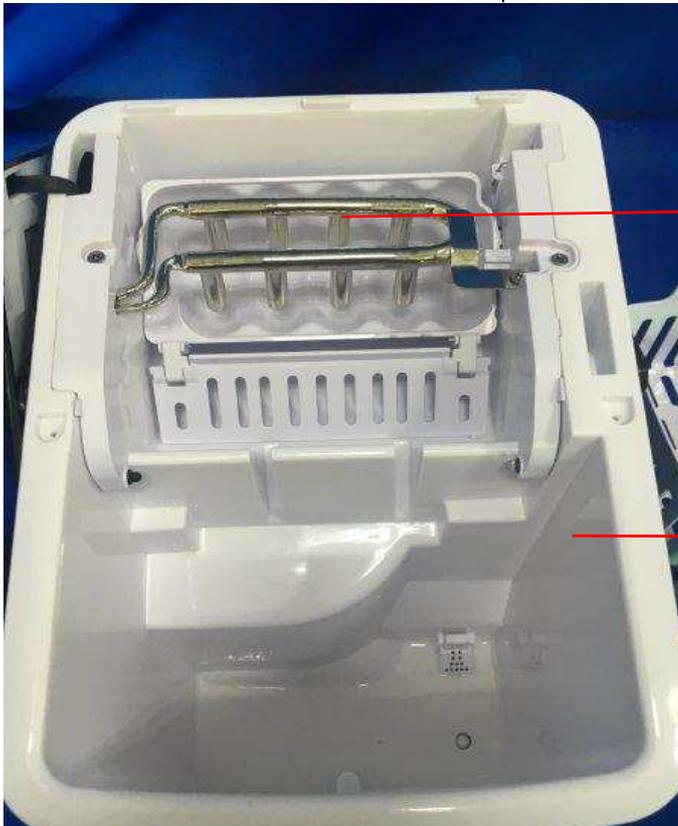
3.0 Product Photographs

Photo 5 - External view of model IM2100D-UL also represents all models



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Photo 6 - Internal view of model IM2100D-UL also represents all models



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3.0 Product Photographs

Photo 7 - Internal view of model IM2100D-UL also represents all models

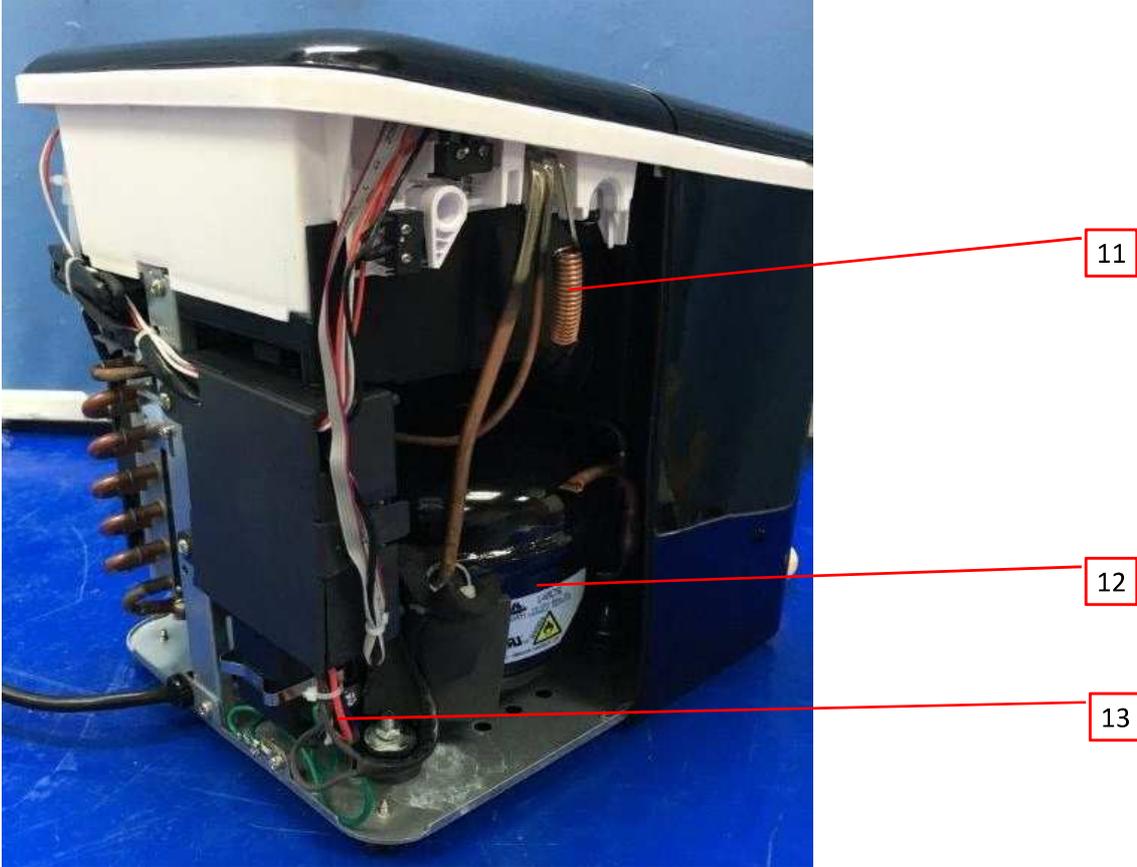
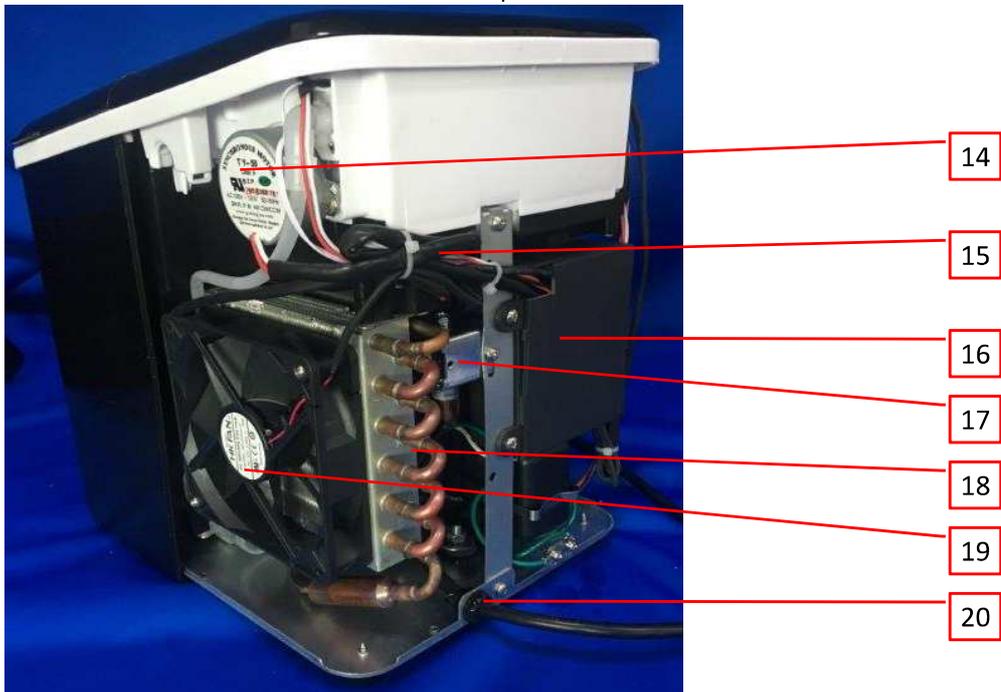


Photo 8 - Internal view of model IM2100D-UL also represents all models



3.0 Product Photographs

Photo 9 - Internal view of model IM2100D-UL also represents all models



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Photo 10 - Internal view, component side



3.0 Product Photographs

Photo 11 - Front view for the switching power supply AHDL-IM2100-UL, connector CON1 has tow types.

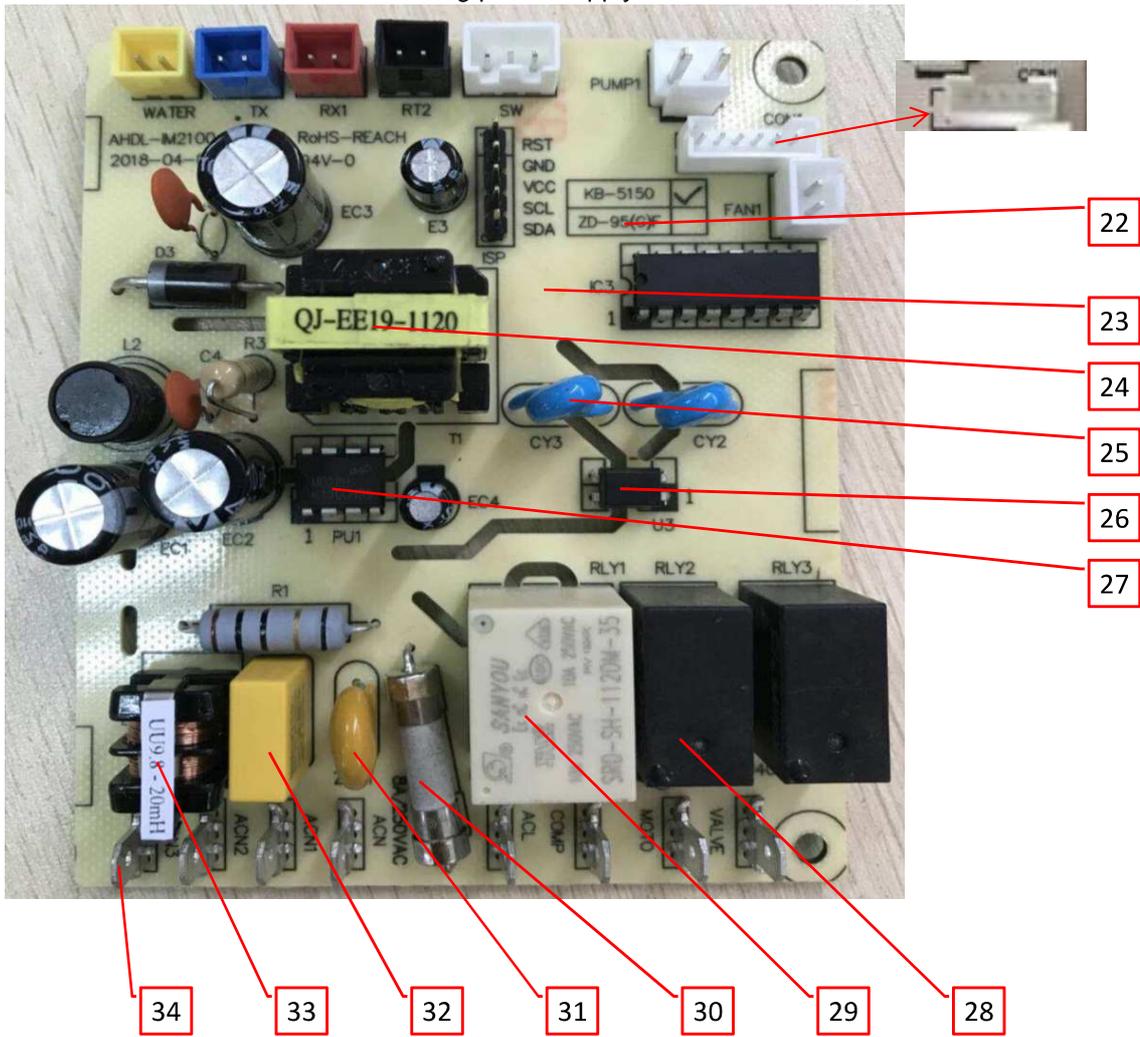
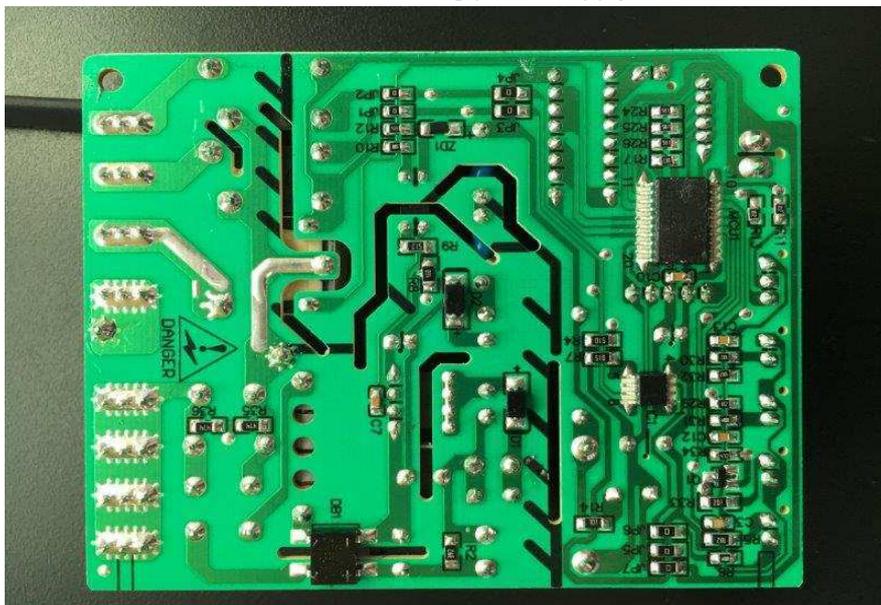


Photo 12 - Rear view for the switching power supply AHDL-IM2100-UL



3.0 Product Photographs

Photo 13 - Front view for the switching power supply IM2100-UL-P, connector CN1 has tow types.

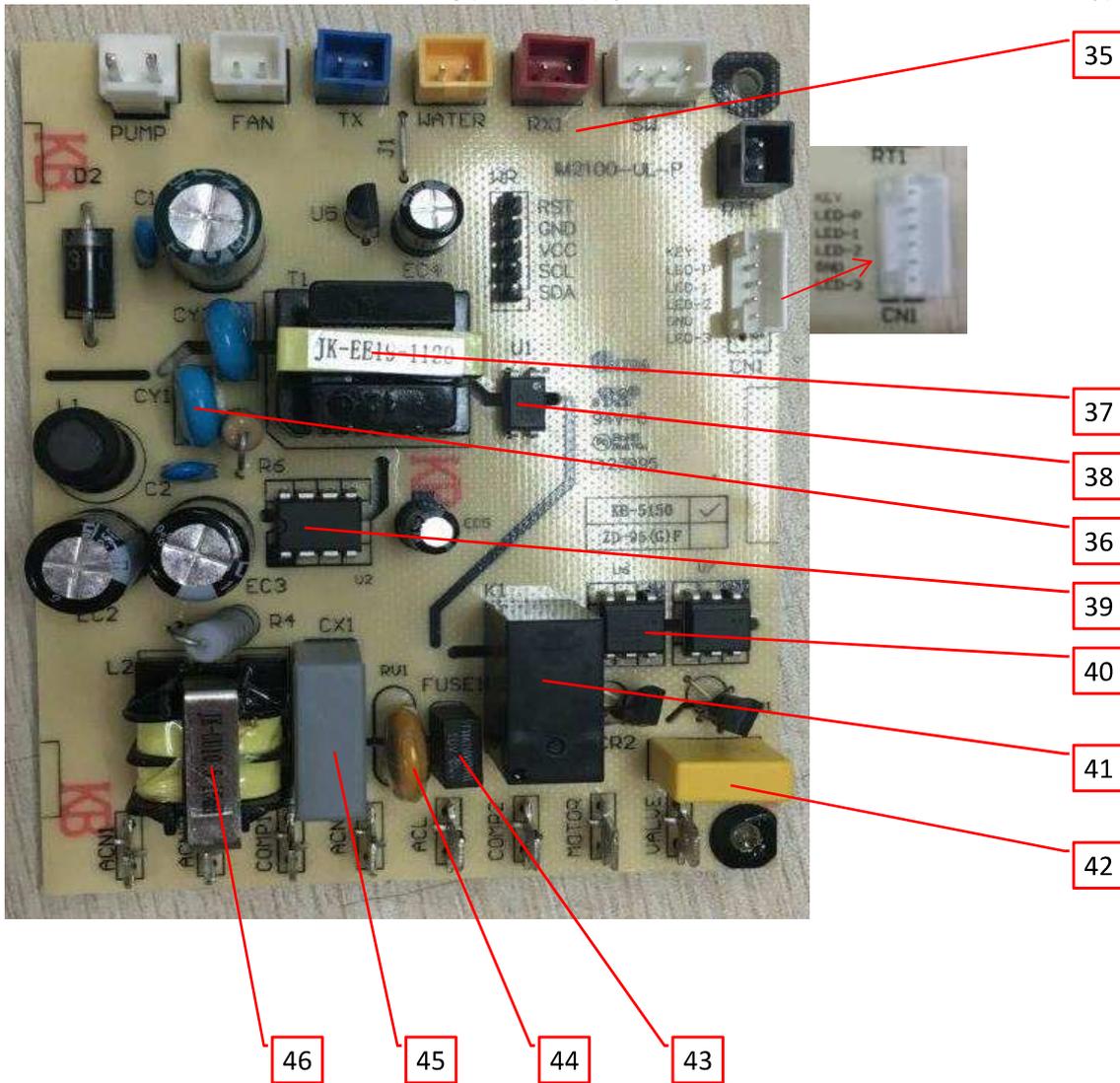
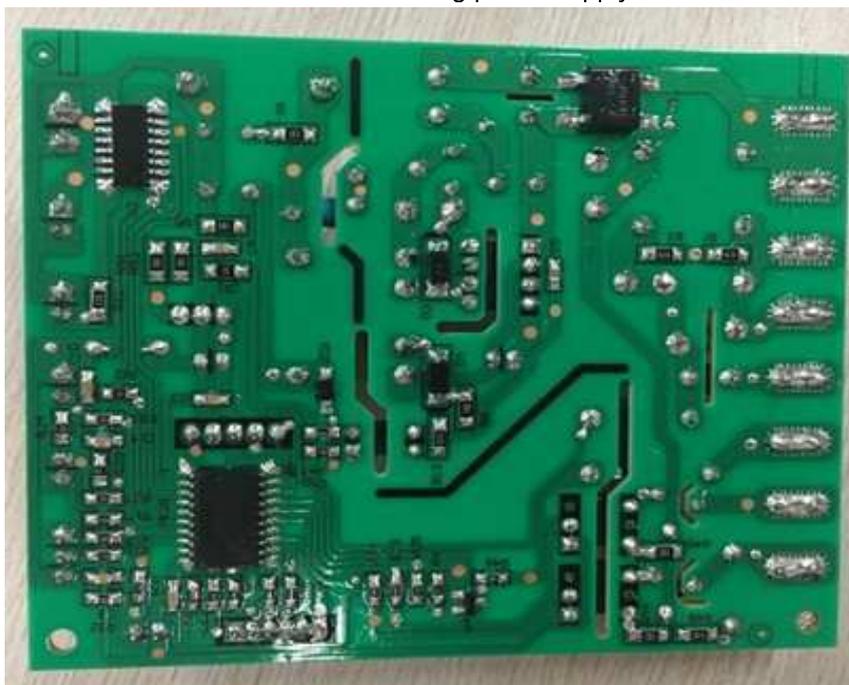


Photo 14 - Rear view for the switching power supply IM2100-UL-P



| 4.0 Critical Components | | | | | | |
|-------------------------|-----------------------|---------------------------|--|---------------------------|--|------------------------------------|
| Photo # | Item no. ¹ | Name | Manufacturer/ trademark ² | Type / model ² | Technical data and securement means | Mark(s) of conformity ³ |
| 1 | 1 | Top Enclosure | LANZHOU PETROCHEMICAL COMPANY PETROCHINA COMPANY LIMITED | H8020 | PP, all color, rated HB, 105 °C, min. thickness 2.5 mm. | cURus |
| | | | POLYMIRAE CO LTD | HP602N | PP, all color, rated HB, 65 °C min. thickness 2.5 mm. | cURus |
| | | | HANWHA TOTAL PETROCHEMICAL CO LTD | HJ730+ | PP, all color, rated HB, 115 °C, min. thickness 2.5 mm. | cURus |
| 1, 1.1, 3.1 | 1a | Viewing Window | CHI MEI CORPORATTON | PN-107 L125 FG | SAN, All color, HB, 50°C, minimum 2.0 mm thickness. | cURus |
| | | | CHI MEI CORPORATTON | PA-758(+) | ABS, All color, HB, 60°C, minimum 2.0 mm thickness. | cURus |
| | | | CHI MEI CORPORATTON | PG-33 | PS, All color, HB, 50°C, minimum 2.0 mm thickness. | cURus |
| | | | LG CHEMICAL LTD | TR557(m) | ABS, All color, HB, 50°C, minimum 2.0 mm thickness. | cURus |
| 1 | 2 | Power Cord Set | Various | Various | SJT, 18AWG×3, rated 300V, 105 °C, VW-1, length 6-10 feet (1.8m-3.0m), terminated in a 3-wire attachment grounding plug, NEMA Config 5-15P. | cULus or cETLus |
| 1 | 3 | Marking Label (not shown) | ZHONGSHAN ZHANTU PRINTING FACTORY | ZT969-1 | Suitable for PP and stainless steel sheet, at least 60°C. The nameplate marking label affixed to the Rear Outer Cabinet. | cURus |
| | | | Various | Various | Suitable for PP and stainless steel sheet, at least 60°C. The nameplate marking label affixed to the Rear Outer Cabinet. | cURus |
| 1 | 4 | Warning Label (not shown) | ZHONGSHAN ZHANTU PRINTING FACTORY | ZT969-1 | Suitable for PP and stainless steel sheet, at least -20~60°C. | cURus |
| | | | Various | Various | Suitable for PP and stainless steel sheet, at least -20~60°C. | cURus |
| 2, 4 | 5 | Front Outer Cabinet | LANZHOU PETROCHEMICAL COMPANY PETROCHINA COMPANY LIMITED | H8020 | PP, all color, rated HB, 105 °C, min. thickness 2.0 mm. | cURus |
| | | | POLYMIRAE CO LTD | HP602N | PP, all color, rated HB, 65 °C min. thickness 2.0 mm. | cURus |
| | | | HANWHA TOTAL PETROCHEMICAL CO LTD | HJ730+ | PP, all color, rated HB, 115 °C, min. thickness 2.0 mm. | cURus |
| | | | Various | Various | Stainless steel sheet, min. thickness 0.5 mm. | NR |

| 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 |
| 3b, 4 | 6 | Rear Outer Cabinet | LANZHOU PETROCHEMICAL COMPANY PETROCHINA COMPANY LIMITED | H8020 | PP, all color, rated HB, 105 °C, min. thickness 2.0 mm. | cURus |
| | | | POLYMIRAE CO LTD | HP602N | PP, all color, rated HB, 65 °C min. thickness 2.0 mm. | cURus |
| | | | HANWHA TOTAL PETROCHEMICAL CO LTD | HJ730+ | PP, all color, rated HB, 115 °C, min. thickness 2.0 mm. | cURus |
| | | | Various | Various | Stainless steel sheet, min. thickness 0.5 mm. | NR |
| 4 | 7 | Handle | LANZHOU PETROCHEMICAL COMPANY PETROCHINA COMPANY LIMITED | H8020 | PP, all color, rated HB, 105 °C, min. thickness 10 mm. | cURus |
| | | | POLYMIRAE CO LTD | HP602N | PP, all color, rated HB, 65 °C min. thickness 10 mm. | cURus |
| | | | HANWHA TOTAL PETROCHEMICAL CO LTD | HJ730+ | PP, all color, rated HB, 115 °C, min. thickness 10 mm. | cURus |
| 5 | 8 | Base Enclosure | Various | Various | Galvanized metal, thickness 1.0 mm, fix and hold compressor, condenser and constructive part. | NR |
| 6 | 9 | Evaporator | Various | Various | Copper tube or stainless steel tube. Refer to Illustration 5, 5.1 for the layout. | NR |
| 6 | 10 | Inner Liner | LANZHOU PETROCHEMICAL COMPANY PETROCHINA COMPANY LIMITED | H8020 | PP, all color, rated HB, 105 °C, min. thickness 1.8 mm. | cURus |
| | | | POLYMIRAE CO LTD | HP602N | PP, all color, rated HB, 65 °C min. thickness 1.8 mm. | cURus |
| | | | HANWHA TOTAL PETROCHEMICAL CO LTD | HJ730+ | PP, all color, rated HB, 115 °C, min. thickness 1.8 mm. | cURus |
| 7 | 11 | Capillary | Various | Various | Copper tube, outside diameter 1.8 mm, inside diameter 0.66 mm, length 960 mm. | NR |
| 7 | 12 | Compressor | HUAYI COMPRESSOR (JINGZHOU) CO LTD | L48C5L | 110-120V, 60Hz, 1PH, R600a. Thermally protected. | cURus |
| | | | NINGBO ANUODAN MACHINERY CO LTD | QD48Y11G | 110-120V, 60Hz, 1PH, R600a. Thermally protected. | cURus |
| 7 | 13 | Internal Wire | Various | 1015 | 18-20AWG, 600V, 105 °C, VW-1. Wires use in low voltage circuit are not specified. | 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 |
| 8 | 14 | Synchronous Motor | WUXI DEXUN FUDA MOTOR CO LTD | 50TYZ-E | 100-120VAC, 50/60Hz, 3.5W. | cURus |
| | | | ZHAOQING CITY GAOYAO DISTRICT HENGJUN ELECTRICAL APPLIANCE CO LTD | TY-50 | 100-120VAC, 50/60Hz, 4W. | cURus |
| | | | FOSHAN RUIYI MOTOR MFY CO LTD | 50TYZ-0.1B01 | 100-120VAC, 50/60Hz, 4W. | cURus |
| 8 | 15 | PVC Tubing | Various | Various | 300/600V, VW-1, 105 °C. | cURus |
| 8 | 16 | Electrical Box | RTP CO | RTP 155 | PP, all color, 5VA, 110°C, minimum 2.3 mm thickness. | cURus |
| | | | LG CHEMICAL (GUANGZHOU) ENGINEERING PLASTICS CO LTD | GP-3156F(#) | PP, All color, 5VA, 120 °C, minimum 2.3 mm thickness. | cURus |
| 8 | 17 | Solenoid Valve | TIANCHANG TIANHAO REFRIGERATING EQUIPMENT FACTORY | FDF-2A | 110V, 50/60Hz. | cURus |
| | | | ZHEJIANG SANHUA INTELLIGENT CONTROLS CO LTD | PDF2A64 | 110V, 50/60Hz. | cURus |
| | | | CHANGZHOU CHANGHENG LUSI ELECTRIC APPLIANCE CO LTD | DTF-1-2A | 100-120V, 50/60Hz. | cURus |
| 8 | 18 | Condenser Coil | Various | Various | Seamless copper tube mechanically bonded to configured aluminum fins. Refer to Illustration 4 for the layout. | NR |
| 8 | 19 | Condenser Fan | HEYUAN YONGJIA INDUSTRY CO LTD | AS12025V12 | DC 12V, 0.36A. | cURus |
| | | | HONGKONG POWERYEAR TECHNOLOGY CO LTD | PY-1225H12S | DC 12V, 0.35A. | cURus |
| 8 | 20 | Cord Clamp | HEAVY POWER CO LTD | 6N-4 | PA66, V-2. | 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 |
| 9 | 21 | Water Pump | ZHONGSHAN BAOGULI ELECTRIC CO LTD | KD-28 | DC 12V, 280 mA. | See 5.0 |
| | | | CHUZHOU DONLIM ELECTRICAL APPLIANCES CO LTD | XB-01 | DC 12V, 280 mA. | See 5.0 |
| 11 | 22 | Switching Power Supply Unit | GUANGDONG REAL-DESIGN INTELLIGENT TECHNOLOGY CO LTD | AHDL-IM2100-UL | Input: 120V, 60Hz; Output: DC12 V, 0.65A, Class 2. Consists of following items 23~34. | NR |
| 11 | 23 | PCB | Various | Various | V-0, 130 °C, thickness at least 1.6mm. | cURus |
| 11 | 24 | Transformer (T1) | FOSHAN CITY SHUNDE DISTRICT QIAOJING ELECTRONIC Co LTD | QJ-EE19-1120 | Primary input: AC100-240V; Secondary output: DC12 V, 0.65A. | NR |
| | | | FOSHAN SHUNDE WANXIN ELECTRONIC ELECTRICAL CO.,LTD | WX-E19062 | Primary input: AC100-240V; Secondary output:DC12 V, 0.6A | NR |
| 11 | 25 | Y Capacitor | JYH CHUNG ELECTRONICS CO LTD | JD | Y1, 400VAC, 2200 pF. | cURus |
| | | | SHANTOU HIGH-NEW TECHNOLOGY DEVELOPMNT ZONE SONGTIAN ENTERPRISE CO LTD | CD | Y1, 400VAC, 2200 pF. | cURus |
| 11 | 26 | IC | Chipown | MD22H | DIP8, 10W. | NR |
| 11 | 27 | Optical Isolator | EVERLIGHT ELECTRONICS CO LTD | EL817 | 5000 Vac isolation | cURus |
| | | | BRIGHT LED ELECTRONICS CORP | BPC-817 | 5000 Vac isolation | cURus |
| 11 | 28 | Relay (RLY2, RLY3) | XIAMEN HONGFA ELECTROACOUSTIC CO LTD | HF32FV-12-HSTF(335)(310) | 250VAC, 5A | cURus |
| | | | SANYOU CORPORATION LIMITED | SJ-SH-112DM2 | 250VAC, 5A | 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 |
| 11 | 29 | Relay (RLY1) | XIAMEN HONGFA ELECTROACOUSTIC CO LTD | HF3FA/012-HSTF(310) | 250VAC, 10A | cURus |
| | | | SANYOU CORPORATION LIMITED | SRD-SH-112DM-35 | 250VAC, 10A | cURus |
| 11 | 30 | Fuse | DONGGUAN BETTER ELECTRONICS TECHNOLOGY CO LTD | 524 | 250V, 8A, 5 x 20 | cURus |
| | | | XC ELECTRONICS (SHENZHEN) CORP LTD | 5H | 250V, 8A, 5.2 x 20 | cURus |
| 11 | 31 | Varistor | THINKING ELECTRONIC INDUSTRIAL CO LTD | TVR10471 | AC470V | cURus |
| | | | GUANGDONG FENGHUA ADVANCED TECHNOLOGY HOLDING CO LTD. XIANHUA NEW SENSITIVE COMPONENTS BRANCH | FNR-10K471 | AC470V | cURus |
| 11 | 32 | X2 Capacitor | GUANGDONG FENGMING ELECTRONIC TECH CO LTD | MKP-X2 | X2, AC275V, 0.1μF, 105 °C. | cURus |
| | | | FOSHAN SHUNDE CHUANG GE ELECTRONIC INDUSTRIAL CO LTD | MKP-X2 | X2, AC275V, 0.1μF, 105 °C. | cURus |
| | | | FOSHAN SHUNDE BEIJIAO HUA DA ELECTRIC INDUSTRIAL CO LTD | HD | X2, AC250V, 0.1μF, 105 °C. | cURus |
| 11 | 33 | Inductance | SHENZHEN TIMO ELECTRONICS CO LTD | UU9.8 | 20mH | NR |
| 11 | 34 | Quick Connector | Various | Various | Suitable for 18AWG-24AWG. | cURus |
| 13 | 35 | Switching Power Supply Unit | HEFEI YITOA ELECTRONIC CO LTD | IM2100-UL-P | Input: 120V, 60Hz; Output: DC12 V, 0.65A, Class 2. Consists of following items 23, 34, 36-46. | NR |

| 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 |
| 13 | 36 | Y Capacitor | KUNSHAN WANSHENG ELECTRONICS CO LTD | CT7 | 2200 pF, 400VAC | cURus |
| | | | GUANGDONG SOUTH HONGMING ELECTRONIC SCIENCE & TECHNOLOGY CO LTD | F | 2200 pF, 400VAC | cURus |
| 13 | 37 | Transformer (T1) | Hefei Jiuke Electronics Co., Ltd. | JK-EE19-1120 | Primary input: 120 V; Secondary output: 12 V, 0.65A | NR |
| | | | Tongling Sanjia Transformer Co.,Ltd | QJ-EE19-1120 | Primary input: 120 V; Secondary output: 12 V, 0.65A | NR |
| 13 | 38 | Optical Isolator | EVERLIGHT ELECTRONICS CO LTD | EL817 | Isolation voltage: 5000 Vac | cURus |
| | | | LITE-ON TECHNOLOGY CORP | LTV817 | Isolation voltage: 5300 Vac | cURus |
| 13 | 39 | IC | CHIPOWN | AP8022H | DIP8, 10W | NR |
| 13 | 40 | Optical Isolator | EVERLIGHT ELECTRONICS CO LTD | EL3021 | Isolation voltage: 5000 Vac | cURus |
| | | | LITE-ON TECHNOLOGY CORP | MOC3021 | Isolation voltage: 5300 Vac | cURus |
| 13 | 41 | Relay (K1) | XIAMEN HONGFA ELECTROACOUSTIC CO LTD | HF32F-012-HS | 10A, 120V | cURus |
| | | | WANGRONG ELECTRONICS (SHENZHEN) CO LTD | RJ-SS-112DM | 10A, 120V | cURus |
| | | | DONGGUAN GOLDEN ELECTRICAL APPLIANCE CO LTD | GI-1A-12D | 10A, 125V | cURus |
| | | | XIAMEN HONGFA ELECTROACOUSTIC CO LTD | JZC-32F/012-HS | 5A, 250VAC | cURus |
| | | | SANYOU CORPORATION LIMITED | SJ-SH-112DM2 | 5A, 250VAC | cURus |
| | | | WANGRONG ELECTRONICS (SHENZHEN) CO LTD | RJ-SS-112DM-S | 5A, 250VAC | 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 |
| | | | DONGGUAN GOLDEN ELECTRICAL APPLIANCE CO LTD | GI-1A-12DS | 5A, 250VAC | cURus |
| 13 | 42 | X2 Capacitor | GUANGDONG FENGMING ELECTRONIC TECH CO.LTD | MKP-X2 | X2, 0.01uF, AC275V | cURus |
| | | | NINGBO JIANGBEI ZHENHUA ELECTRONIC CO LTD | CBB62 | X2, 0.01uF, AC275V | cURus |
| | | | SHENZHEN JINGHAO CAPACITOR CO.LTD | CBB62B | X2, 0.01uF, AC280V | cURus |
| | | | SHANTOU HIGH-NEW TECHNOLOGY DEVELOPMNT ZONE SONGTIAN ENTERPRISE CO LTD | MPX | X2, 0.01uF, AC275V | cURus |
| 13 | 43 | Fuse | CONQUER ELECTRONICS CO LTD | MST | 10A, 250V, 8.35 x 4.3 x 7.7 | cURus |
| | | | XC ELECTRONICS (SHENZHEN) CORP LTD | 5TE | 10A, 250V, 8.4 x 4.0 x 7.7 | cULus |
| 13 | 44 | Varistor | CERGLASS MFG INC | 10D471K | 470 VAC | cURus |
| | | | THINKING ELECTRONIC INDUSTRIAL CO LTD | TVR10471 | 470 VAC | cURus |
| | | | CENTRA SCIENCE CORP | CNR-10D471K | 470 VAC | cURus |
| 13 | 45 | X2 Capacitor (CX1) | GUANGDONG FENGMING ELECTRONIC TECH CO LTD | MKP-X2 | X2, 0.22uF, 275V | cURus |
| | | | NINGBO JIANGBEI ZHENHUA ELECTRONIC CO LTD | CBB62 | X2, 0.22uF, AC275V | cURus |
| | | | SHENZHEN JINGHAO CAPACITOR CO LTD | CBB62B | X2, 0.22uF, AC280V | 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 |
| | | | SHANTOU HIGH-NEW TECHNOLOGY DEVELOPMNT ZONE SONGTIAN ENTERPRISE CO LTD | MPX | X2, 0.22uF, AC275V | cURus |
| 13 | 46 | Inductance | Tongling Sanjia Transformer Co.,Ltd | UU10.5 | 15mH | NR |
| | | | Hefei Jiuke Electronics Co., Ltd. | UU10.5 | 15mH | NR |

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 |
|--|----------|------------|-----------------------------------|--------------------|
| 9 | 21 | Water Pump | ZHONGSHAN BAOGULI ELECTRIC CO LTD | KD-28 |
| Electrical Rating: DC 12V, 280 mA. | | | | Insulation class A |
| Component Standard used: UL 778 and CSA C22.2 No.108 | | | | |

MATERIALS LIST

| Component | Manufacturer | Type/model | Dimensions/thickness/assembly information |
|-------------|-------------------------------------|---------------|---|
| Enclosure | POLYMIRAE CO LTD | RP344(+) | PP, Natural Color, HB, 65°C, minimum 1.5 mm thickness. |
| Magnet Wire | DONG GUAN YIDA INDUSTRIAL CO LTD | QA-x/155 | MW 79-C, 155°C, Polyurethane |
| Bobbin | TORAY INDUSTRIES INC | CM3004-V0(rr) | PA66, All Color, V-0, 105°C, minimum 0.25 mm thickness. |
| PCB | FOSHAN XINKEYUAN ELECTRONIC CO LTD | XKY-W | V-0, 130°C. |
| Lead Wire | GUANGDONG ZHIHE WIRE & CABLE CO LTD | 2468 | 24AWG, 300 V, 80°C, VW-1 |

VERIFICATION PROCESS

| Frequency: Annual | Test Site: CEC | Number of samples to test: 1 | |
|--------------------------|-------------------------|-------------------------------------|-----------|
| Test Name | Test Parameters | | |
| Dielectric Strength | Apply voltage Between | Test Voltage | Test Time |
| | Live parts to enclosure | 1000VAC | 60s |

Note: This Unlisted Component is the same as the Unlisted Component (Photo 5, Item 12) in CDR 170323071GZU-001.

INSULATED COIL

| Photo # | Item no. | Name | Manufacturer/Trademark | Type / model |
|--|----------|------------|---|--------------------|
| 9 | 21 | Water Pump | CHUZHOU DONLIM ELECTRICAL APPLIANCES CO LTD | XB-01 |
| Electrical Rating: DC 12V, 280 mA. | | | | Insulation class A |
| Component Standard used: UL 778 and CSA C22.2 No.108 | | | | |

MATERIALS LIST

| Component | Manufacturer | Type/model | Dimensions/thickness/assembly information |
|-------------|------------------------------------|---------------|---|
| Enclosure | POLYMIRAE CO LTD | RP344(+) | PP, Natural Color, HB, 65°C, minimum 1.5 mm thickness. |
| Magnet Wire | DONG GUAN YIDA INDUSTRIAL CO LTD | QA-x/155 | MW 79-C, 155°C, Polyurethane |
| Bobbin | TORAY INDUSTRIES INC | CM3004-V0(rr) | PA66, All Color, V-0, 105°C, minimum 0.25 mm thickness. |
| PCB | FOSHAN XINKEYUAN ELECTRONIC CO LTD | XKY-W | V-0, 130°C. |

| 5.0 Critical Unlisted CEC Components | | | |
|---|---|--------------|-------------------------------------|
| Lead Wire | GUANGDONG ZHIHE WIRE & CABLE CO LTD | 2468 | 24AWG, 300 V, 80°C, VW-1 |
| VERIFICATION PROCESS | | | |
| Frequency: Annual | Test Site: CEC | | Number of samples to test: 1 |
| Test Name | Test Parameters | | |
| Dielectric Strength | Apply voltage Between | Test Voltage | Test Time |
| | Live parts to enclosure | 1000VAC | 60s |
| Note: This Unlisted Component is the same as the Unlisted Component (Photo 5, Item 12) in CDR 170323071GZU-001. | | | |

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 - 1) In primary circuits of refrigerated compartment and air-handling compartments, minimum 3.2 mm and 6.4 mm spacing are maintained through air and over surfaces of insulating material between current-carrying parts of opposite polarity, and minimum 6.4 mm spacing between current-carrying parts and accessible dead metal parts or enclosure. 2) In non-refrigerated and non air-handling compartments, minimum 1.6 mm spacing is maintained through air and over surfaces of insulating material between current-carrying parts of opposite polarity, and minimum 6.4 mm spacing between current-carrying parts and accessible dead metal parts or enclosure.
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 metal enclosure constructed with no openings other than those specifically described in Sections 4 and 5.
5. Grounding - All exposed dead-metal parts and all dead-metal parts within the enclosure that are exposed are connected to the grounding lead of the power supply cord.
6. 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.
7. Schematics - Refer to Illustration No(s). 2.1 thru 2.3, 7.3 for schematics requiring verification during Field Representative Inspection Audits.
8. Markings - The product is marked on a labeling system as described in item no. 3 of Section 4.0 as follows:
 - manufacturer's name, trademark, or trade name
 - model number
 - date of manufacture
 - electrical ratings (volts, ampere and frequency)
 - refrigerant type, high side and low side pressure.Refer to Illustration No. 7.1, 7.2, 7.3, 7.4 for the layout.
9. Cautionary Markings - The product is marked on a labeling system as described in item no. 4 of Section 4.0. Refer to Illustration No(s). 1.1 thru 1.4 for the layout.
10. Installation, Operating and Safety Instructions - Instructions for installation and use of this product are provided by the manufacturer. Refer to Illustration No(s). 3.1 thru 3.3 for the layout.
11. ETL Listing Marking - The control no. is 4008051.

7.0 Illustrations

Illustration 1.1 - Warning marking

Word height at least 6.4mm for Warning marking.

1) Near machine compartment:

| | |
|--|---|
|  <p>DANGER – RISK OF FIRE OR EXPLOSION. FLAMMABLE REFRIGERANT USED. TO BE REPAIRED ONLY BY TRAINED SERVICE PERSONNEL. DO NOT PUNCTURE REFRIGERANT TUBING.</p> |  <p>DANGER – RISQUE DE FEU OU D'EXPLOSION. LE FRIGORIGÈNE EST INFLAMMABLE. CONFIER LES RÉPARATIONS À UN TECHNICIEN SPÉCIALISÉ. NE PAS PERFORER LA TUBULURE CONTENANT LE FRIGORIGÈNE.</p> |
|--|---|

Note: Triangle warning marking height at least 15mm.

| | |
|---|--|
| <p>CAUTION – RISK OF FIRE OR EXPLOSION. FLAMMABLE REFRIGERANT USED. CONSULT REPAIR MANUAL/OWNER'S GUIDE BEFORE ATTEMPTING TO SERVICE THIS PRODUCT. ALL SAFETY PRECAUTIONS MUST BE FOLLOWED.</p> | <p>ATTENTION – RISQUE DE FEU OU D'EXPLOSION. LE FRIGORIGÈNE EST INFLAMMABLE. CONSULTER LE MANUEL DU PROPRIÉTAIRE/GUIDE DE RÉPARATION AVANT DE TENTER UNE RÉPARATION. TOUTES LES MESURES DE SÉCURITÉ DOIVENT ÊTRE RESPECTÉES.</p> |
|---|--|

Illustration 1.2 - Warning marking - (Continued)

2) Near evaporator:

| | |
|---|--|
| <p>DANGER – RISK OF FIRE OR EXPLOSION. FLAMMABLE REFRIGERANT USED. DO NOT USE MECHANICAL DEVICES TO DEFROST REFRIGERATOR. DO NOT PUNCTURE REFRIGERANT TUBING.</p> | <p>DANGER – RISQUE DE FEU OU D'EXPLOSION. LE FRIGORIGÈNE EST INFLAMMABLE. NE PAS UTILISER D'APPAREILS MÉCANIQUES POUR DÉGIVRER LE RÉFRIGÉRATEUR. NE PAS PERFORER LA TUBULURE CONTENANT LE FRIGORIGÈNE.</p> |
|---|--|

| | |
|---|--|
| <p>CAUTION – RISK OF FIRE OR EXPLOSION DUE TO PUNCTURE OF REFRIGERANT TUBING; FOLLOW HANDLING INSTRUCTIONS CAREFULLY. FLAMMABLE REFRIGERANT USED.</p> | <p>ATTENTION – RISQUE DE FEU OU D'EXPLOSION SI LA TUBULURE CONTENANT LE FRIGORIGÈNE EST PERFORÉE ; SUIVRE LES INSTRUCTIONS DE MANUTENTION AVEC SOIN. LE FRIGORIGÈNE EST INFLAMMABLE.</p> |
|---|--|

Illustration 1.3 - Warning marking - (Continued)

3) on the exterior:

| | |
|--|---|
| <p>CAUTION – RISK OF FIRE OR EXPLOSION. DISPOSE OF PROPERLY IN ACCORDANCE WITH FEDERAL OR LOCAL REGULATIONS. FLAMMABLE REFRIGERANT USED.</p> | <p>ATTENTION – RISQUE DE FEU OU D'EXPLOSION. ÉLIMINER CONFORMÉMENT AUX RÈGLEMENTS FÉDÉRAUX OU LOCAUX. LE FRIGORIGÈNE EST INFLAMMABLE.</p> |
|--|---|

7.0 Illustrations

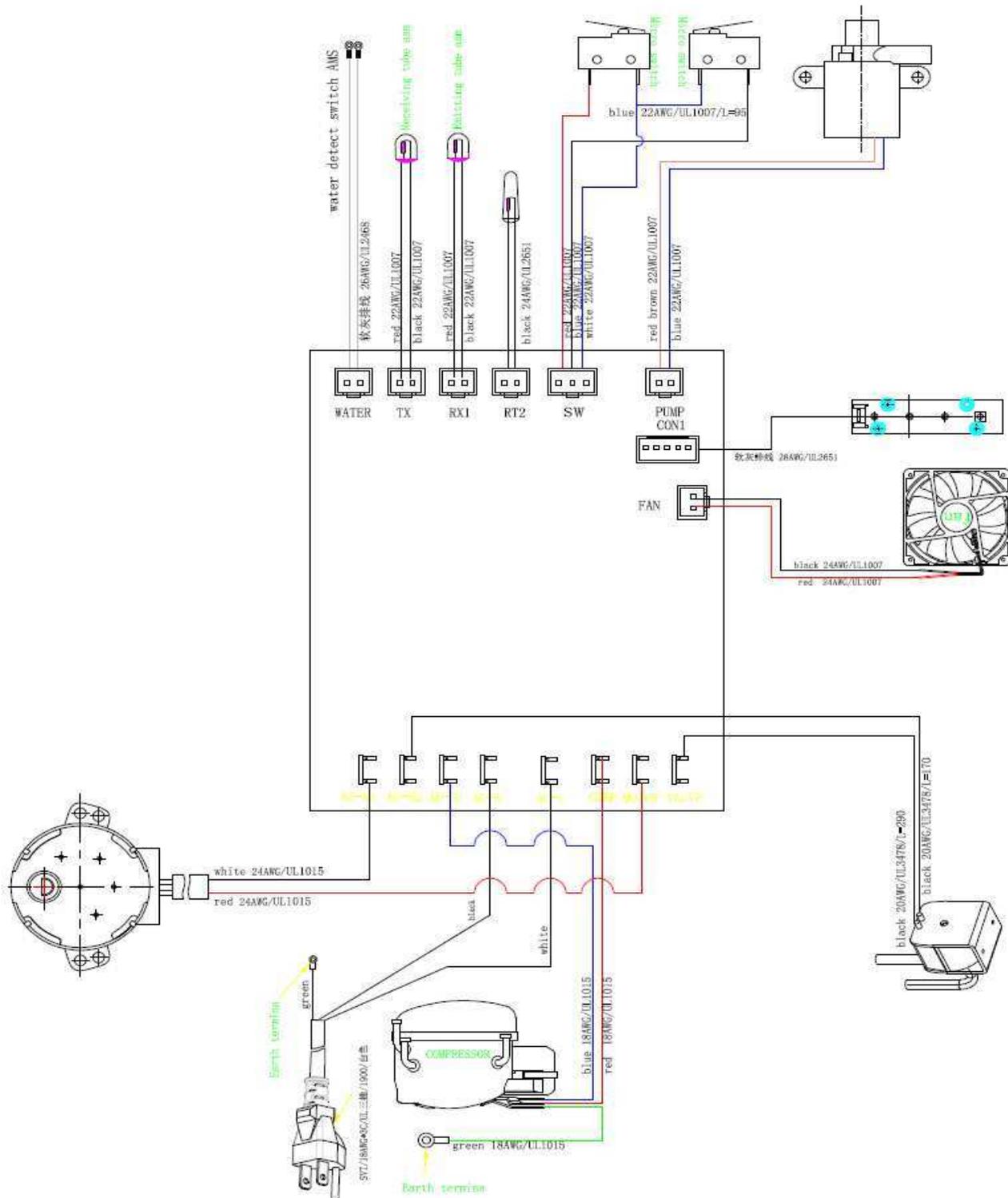
Illustration 1.4 - Warning marking - (Continued)

4) on carton:

| | |
|---|--|
| <p>CAUTION – RISK OF FIRE OR EXPLOSION DUE TO FLAMMABLE REFRIGERANT USED. FOLLOW HANDLING INSTRUCTIONS CAREFULLY IN COMPLIANCE WITH LOCAL GOVERNMENT REGULATIONS.</p> | <p>ATTENTION – RISQUE DE FEU OU D'EXPLOSION SI LE FRIGORIGÈNE EST INFLAMMABLE. SUIVRE LES INSTRUCTIONS DE MANUTENTION AVEC SOIN CONFORMÉMENT AUX RÈGLEMENTATION GOUVERNEMENTALE LOCAUX.</p> |
| <p>DANGER – RISK OF FIRE OR EXPLOSION. FLAMMABLE REFRIGERANT USED. DO NOT USE MECHANICAL DEVICES TO DEFROST REFRIGERATOR. DO NOT PUNCTURE REFRIGERANT TUBING.</p> | <p>DANGER – RISQUE DE FEU OU D'EXPLOSION. LE FRIGORIGÈNE EST INFLAMMABLE. NE PAS UTILISER D'APPAREILS MÉCANIQUES POUR DÉGIVRER LE RÉFRIGÉRATEUR. NE PAS PERFORER LA TUBULURE CONTENANT LE FRIGORIGÈNE.</p> |
|  <p>DANGER – RISK OF FIRE OR EXPLOSION. FLAMMABLE REFRIGERANT USED. TO BE REPAIRED ONLY BY TRAINED SERVICE PERSONNEL. DO NOT PUNCTURE REFRIGERANT TUBING.</p> |  <p>DANGER – RISQUE DE FEU OU D'EXPLOSION. LE FRIGORIGÈNE EST INFLAMMABLE. CONFIER LES RÉPARATIONS À UN TECHNICIEN SPÉCIALISÉ. NE PAS PERFORER LA TUBULURE CONTENANT LE FRIGORIGÈNE.</p> |
| <p>CAUTION – RISK OF FIRE OR EXPLOSION. FLAMMABLE REFRIGERANT USED. CONSULT REPAIR MANUAL/OWNER'S GUIDE BEFORE ATTEMPTING TO SERVICE THIS PRODUCT. ALL SAFETY PRECAUTIONS MUST BE FOLLOWED.</p> | <p>ATTENTION – RISQUE DE FEU OU D'EXPLOSION. LE FRIGORIGÈNE EST INFLAMMABLE. CONSULTER LE MANUEL DU PROPRIÉTAIRE/GUIDE DE RÉPARATION AVANT DE TENTER UNE RÉPARATION. TOUTES LES MESURES DE SÉCURITÉ DOIVENT ÊTRE RESPECTÉES.</p> |
| <p>CAUTION – RISK OF FIRE OR EXPLOSION. DISPOSE OF PROPERLY IN ACCORDANCE WITH FEDERAL OR LOCAL REGULATIONS. FLAMMABLE REFRIGERANT USED.</p> | <p>ATTENTION – RISQUE DE FEU OU D'EXPLOSION. ÉLIMINER CONFORMÉMENT AUX RÈGLEMENTS FÉDÉRAUX OU LOCAUX. LE FRIGORIGÈNE EST INFLAMMABLE.</p> |
| <p>CAUTION – RISK OF FIRE OR EXPLOSION DUE TO PUNCTURE OF REFRIGERANT TUBING; FOLLOW HANDLING INSTRUCTIONS CAREFULLY. FLAMMABLE REFRIGERANT USED.</p> | <p>ATTENTION – RISQUE DE FEU OU D'EXPLOSION SI LA TUBULURE CONTENANT LE FRIGORIGÈNE EST PERFORÉE ; SUIVRE LES INSTRUCTIONS DE MANUTENTION AVEC SOIN. LE FRIGORIGÈNE EST INFLAMMABLE.</p> |

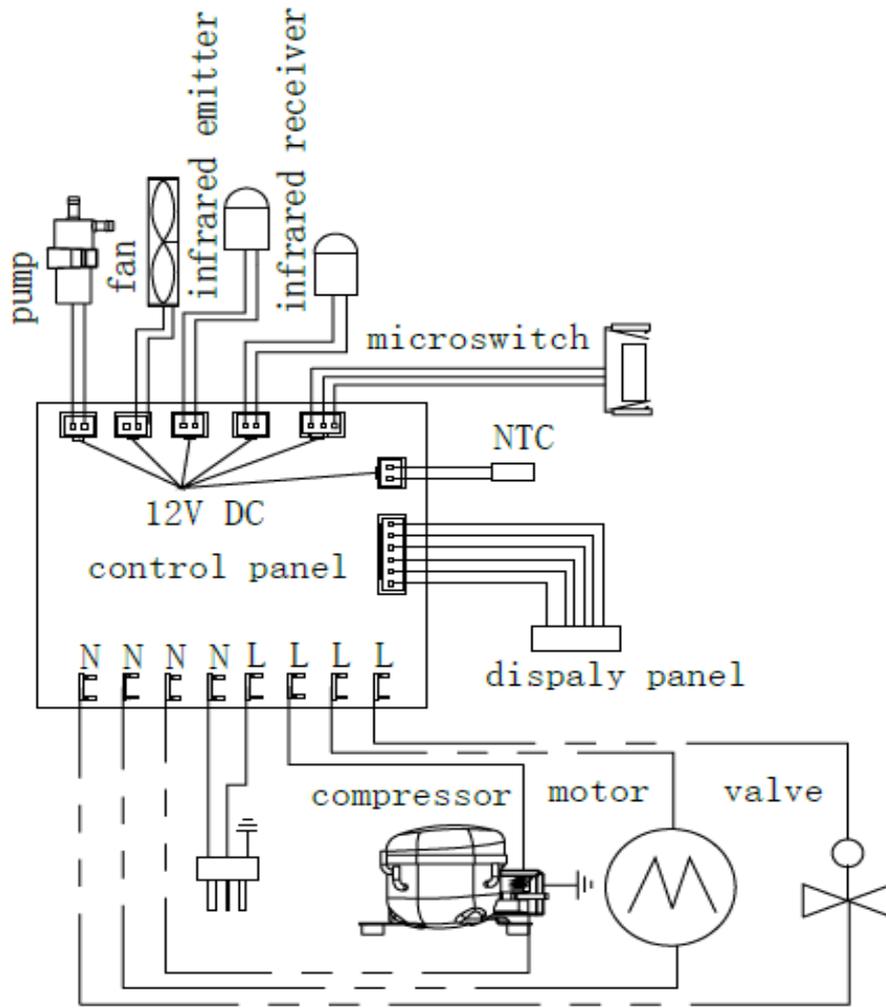
7.0 Illustrations

Illustration 2.1 - Wiring Diagram



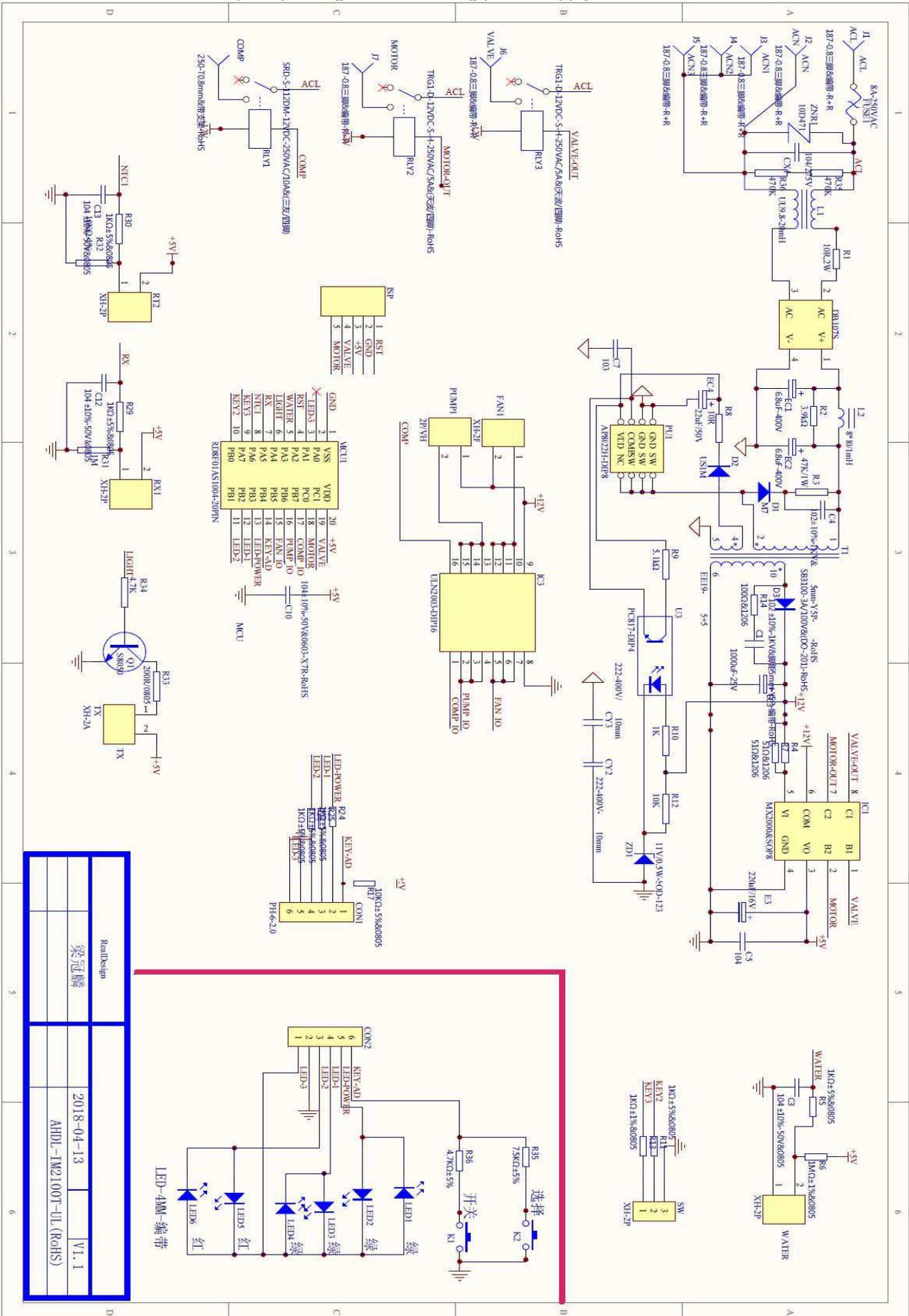
7.0 Illustrations

Illustration 2.1.1 - Alternative Wiring Diagram



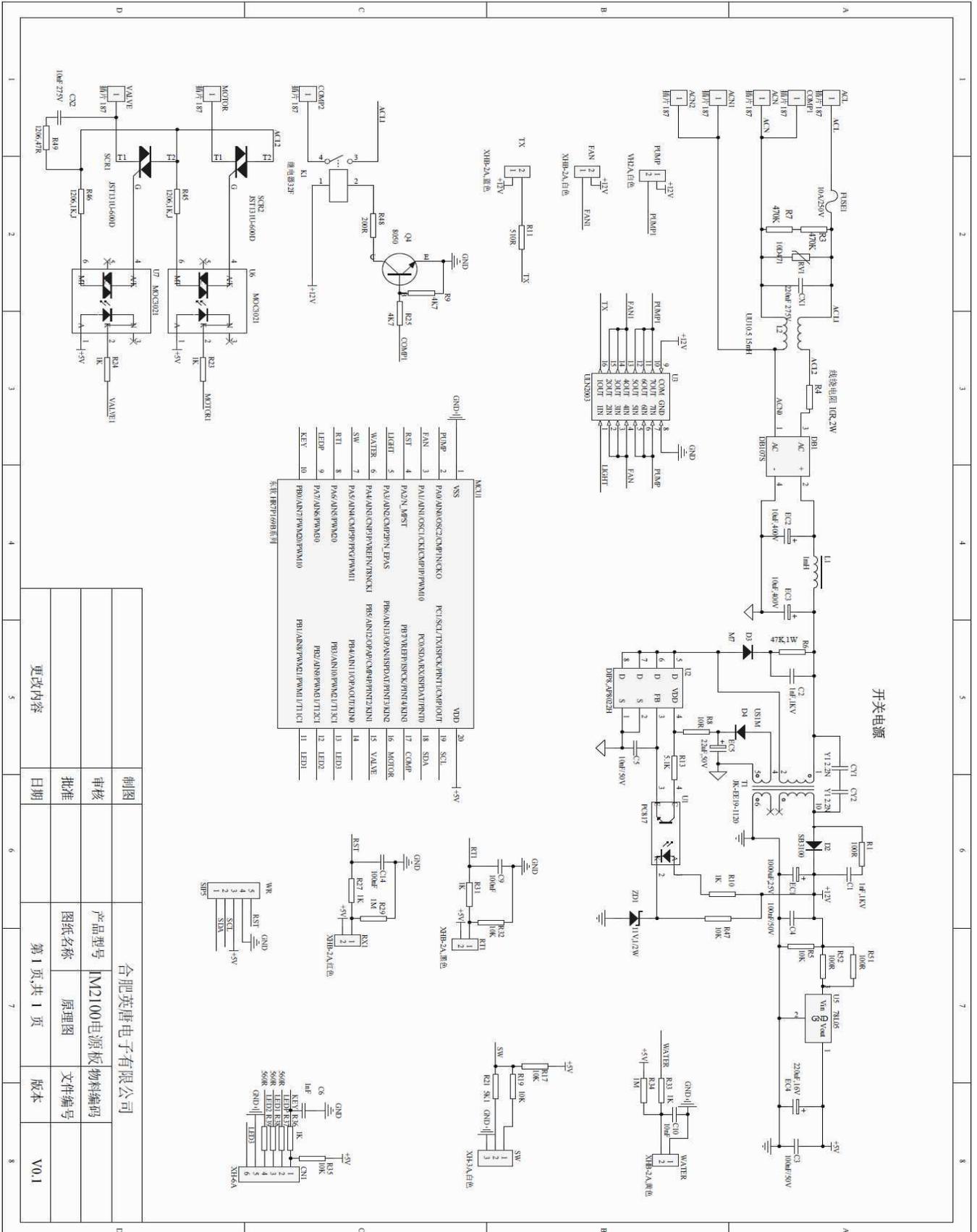
7.0 Illustrations

Illustration 2.2 - The circuit principle diagram of switching power supply AHDL-IM2100-UL



7.0 Illustrations

Illustration 2.3 - The circuit principle diagram of switching power supply IM2100-UL-P



7.0 Illustrations

Illustration 3.1 - Important Instructions

IMPORTANT SAFETY INSTRUCTIONS

To reduce the risk of fire, explosion, electric shock, or injury when using your ice maker, follow these important safety instructions:

1. Before using check that the voltage power corresponds to the one shown on the appliance nameplate.
2. Do not remove any safety, warning, or product information labels from your ice maker.
3. Plug the ice maker into an exclusive grounded power outlet. No other appliance should be plugged into the same outlet. Be sure that the plug is fully inserted into the receptacle.
4. This appliance must be grounded. It is equipped with a power cord having a grounding plug. The plug must be plugged into an outlet that is properly installed and grounded.
5. Avoid the use of an extension cord because it may overheat and cause a risk of fire. However, if it is necessary to use an extension cord:
 - 1) Use only extension cord with grounding plug.
 - 2) The marked rating of an extension cord must be equal to or greater than the rating of this appliance.
 - 3) It should be positioned such that it does not drape over the counter or tabletop where it can be pulled on by children intentionally.
6. Do not operate any appliance with a damage cord or plug or after the appliance malfunction or has been damaged in any manner. Return the appliance to the nearest authorized service facility for examination, repair or adjustment.
7. If the supply cord is damaged, it must be replaced by the manufacturer or its service agent or a similarly qualified person in order to avoid a hazard.
8. Do not let cord hang over edge of table or counter.
9. Do not place on or near a hot gas or electric burner, or in a heated oven.
10. Place power cord in such a way it cannot be pulled on by children or cause a tripping hazard.
11. Place power cord in such a way that it is not in contact with hot surfaces.
12. The use of attachment not recommended or sold by manufacturer may cause fire, electric shock or injury.
13. Do not touch the evaporator when using the ice maker or making ice to avoid being suffer from frostbite.

7.0 Illustrations

Illustration 3.2 - Important Instructions

14. Do not immerse any part of the product in water.
15. To disconnect, turn any control to “OFF”, then remove plug from wall outlet.
16. Do not plug or unplug product with wet hands.
17. Unplug the product before cleaning, maintaining and when not in use.
18. Do not use with water that is microbiologically unsafe or of unknown quality.
19. Do not clean your ice maker with any flammable fluids. The fumes may create a fire hazard or explosion.
20. Do not overturn the ice maker. If the ice maker is overturned accidentally, make it stand steadily for 2 hours before power it on again.
21. If the ice maker is brought in from outside in wintertime, do not use for a few hours, allowing the unit to warm up to the room temperature before operating.
22. Never put flammable, explosive and corrosive articles into the ice maker.
23. Never use the ice maker when there is flammable gas leakage.
24. Never store or use gas and other flammable articles near the ice maker to avoid any fire.
25. Unplug the ice maker before moving it to avoid damaging the refrigerating system.
26. Do not attempt to disassemble, repair, modify, or replace any part of your product.
27. This appliance is not intended for used by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliances by a person responsible for their safety.
28. Children should be supervised to ensure that they do not play with the appliance.
29. Close supervision is necessary when any appliance is used by or near children.
30. Do not leave the appliance unattended while in use.
31. Do not use outdoors.
32. Do not use the appliance for other than intended use.
33. Please abandon the ice maker according to local regulators as it uses flammable blowing gas and refrigerant.
34. Please according to local regulations regarding disposal of the appliance for its flammable refrigerant and blowing gas.

SAVE THESE INSTRUCTIONS

7.0 Illustrations

Illustration 3.3 - Important Instructions

BEFORE FIRST USE

1. Unpack the appliance, then check and make sure that all the accessories including ice basket and ice scoop etc. are complete. Please contact with the client service department if some accessories are missed.
2. Please ensure the ice maker is level and on a stable table or platform to avoid malfunction.
3. The incline angle of the ice maker cabinet should not exceed 45 ° during transportation or use. Do not turn the ice maker upside down. Doing so could cause the compressor or refrigerating system to operate incorrectly. Please allow time for the fluids in the compressor to settle after the ice maker is moved or transported. Before using the ice maker for the first time, please wait for 2 hours after the unit has been leveled and positioned in the proper place.
4. The appliance must be placed on a dry and level surface with sufficient ventilation, far from heat sources such as ovens, heaters and corrosive gases. Leave about a **6-inch (15cm)** clearance on all sides of the ice maker for proper ventilation.
5. Do not fill the water reservoir with hot water. This may damage the ice maker. It is best to fill the water reservoir with water of room temperature or lower.
6. Do not use the appliance at a very cold environment (lower than 5°C).
7. Clean the appliance by following the operation of “**CLEANING AND MAINTENANCE**” before operate.

7.0 Illustrations

Illustration 4 - Specification of Condenser

| | | |
|---|--|-------------------------------------|
| <p>10-08-11-0012MI : 台 图</p> <p>1 右侧板/热镀锌板 t=0.8*1-A/Q235A</p> <p>2 翅片/铝管 t=0.105</p> <p>3 左侧板/热镀锌板 t=0.8*1-A/Q235A</p> | | <p>4</p> |
| <p>D</p> <p>技术要求</p> <ol style="list-style-type: none"> 1. 未注尺寸按GB实体模型; 2. 零件表面不允许有大于0.2的毛刺; 3. 制作外观按GB/GB 0014标准检验; 4. 一般公差按GB/T1804—一致; 5. 有公差要求的尺寸为必须检测的尺寸; 6. 带“*”号尺寸为CAX检测尺寸; 7. 制作要符合GB/S要求; 8. 采用氧—乙炔钎焊,焊接应牢固和美观,不得有焊渣、焊漏、虚焊、砂眼等缺陷; 9. 翅片均匀紧密,不得有铜管裸露、变形、松动现象; 10. 管内必须清洗烘干,残余杂质含量应小于80mg/m²; 11. 气密性试验压力2.9MPa(氮气)3min不得泄漏,成品充氮0.02MPa用橡皮塞封严; 12. 翅片-桥片,片距1.5mm; 13. 紫铜管管径20,壁厚0.4mm,管排间距21mm,列间距12.7mm,管排总长1650mm; 14. 其它技术指标符合GB/T2130-2008《房间空调器用热交换器》标准; | <p>C</p> <p>1</p> <p>2</p> <p>3</p> <p>4</p> | <p>1</p> <p>2</p> <p>3</p> <p>4</p> |
| <p>1</p> <p>2</p> <p>3</p> | <p>1</p> <p>2</p> <p>3</p> <p>4</p> | <p>1</p> <p>2</p> <p>3</p> <p>4</p> |

| | | | | | |
|-----------------------------|----|---------------------|----|----------|----|
| 序号 | 代号 | 名称 | 数量 | 材料及规格 | 备注 |
| | | 产东新宝电器股份有限公司 | | | |
| 型号: IM2100-UL 制冰机 Ice maker | | 图号: IM2100-UL-80-01 | | | |
| 名称: 冷凝器 Condenser | | 阶段: E | | 设计: 日期: | |
| 比例: 1:2 | | 校对: 日期: | | 审核: 日期: | |
| 单位: mm | | 幅面: A3 | | 标准化: 日期: | |
| 共 1 张 | | 第 1 张 | | 批准: 日期: | |

Form No. 01-165-E

7.0 Illustrations

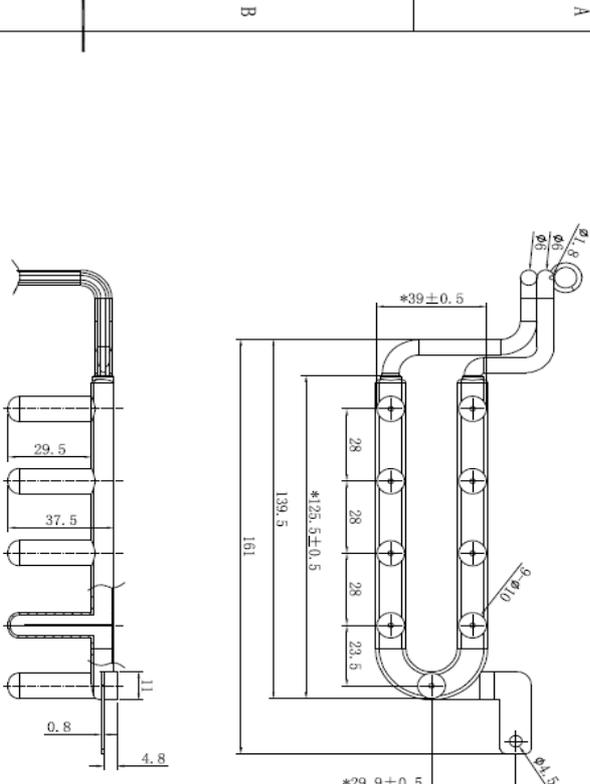
Illustration 5 - Specification of Evaporator

| 1 | 2 | 3 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---------|----------------|--------------------|------|------|----|----|----|----|---|-----|------|--------------|---|------|---|-------|----------------|--------------------|---|------|---|---------|--|--|--|--|---|------|--------|------|------|--|---|-------|------|------|--|--|---|-------|-------|------|--|--|---|-----|-----|------|------|--|
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>技术要求</p> <ol style="list-style-type: none"> 1、管道内杂质含量≤10mg，水份含量≤5mg； 2、蒸发器在1.7MPa压力下1min无泄漏； 3、蒸发管整体光滑，底部无凹凸、焊瘤现象，各制冰柱表面光滑，无高低不一现象； 4、蒸发器组件整体镀锌（除勿镀段外），要求镀层细致、均匀、光亮； 5、镀层处要求过百格测试和45°往返折弯2次测试，镀层不能脱落； 6、成品内充入0.3MPa氮气后封堵； 7、毛细管材质及尺寸：T2Y2/φ1.8×φ0.66×960； 8、固定板材质厚度：t1.2； 9、回气管尺寸：φ6×0.5×287； 10、融冰管尺寸：φ4×0.5×300； 11、LM3-1毛细管流量测试设备，调到0.5MPa压力下，用标准样板对比，要求误差控制在±0.15L/min； 12、未标注R角按R15，一般公差按GB/T1804-m； 13、要求能通过FDA等食品卫生测试。 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>序号</th> <th>名称</th> <th>图号</th> <th>材料</th> <th>数量</th> <th>备注</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>蒸发器</td> <td>更改单号</td> <td>广东新宝电器股份有限公司</td> <td>1</td> <td>阶段：P</td> </tr> <tr> <td>2</td> <td>蒸发器组件</td> <td>Evaporator asm</td> <td>图号：IM2100-UI-80-02</td> <td>1</td> <td>阶段：A</td> </tr> <tr> <td>3</td> <td>材料：TP3M</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>4</td> <td>重量：/</td> <td>比例：1:2</td> <td>校对：/</td> <td>日期：/</td> <td></td> </tr> <tr> <td>5</td> <td>单位：mm</td> <td>审核：/</td> <td>日期：/</td> <td></td> <td></td> </tr> <tr> <td>6</td> <td>幅面：A3</td> <td>标准化：/</td> <td>日期：/</td> <td></td> <td></td> </tr> <tr> <td>7</td> <td>共1张</td> <td>第1张</td> <td>批准：/</td> <td>日期：/</td> <td></td> </tr> </tbody> </table> | | | | 序号 | 名称 | 图号 | 材料 | 数量 | 备注 | 1 | 蒸发器 | 更改单号 | 广东新宝电器股份有限公司 | 1 | 阶段：P | 2 | 蒸发器组件 | Evaporator asm | 图号：IM2100-UI-80-02 | 1 | 阶段：A | 3 | 材料：TP3M | | | | | 4 | 重量：/ | 比例：1:2 | 校对：/ | 日期：/ | | 5 | 单位：mm | 审核：/ | 日期：/ | | | 6 | 幅面：A3 | 标准化：/ | 日期：/ | | | 7 | 共1张 | 第1张 | 批准：/ | 日期：/ | |
| 序号 | 名称 | 图号 | 材料 | 数量 | 备注 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 蒸发器 | 更改单号 | 广东新宝电器股份有限公司 | 1 | 阶段：P | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | 蒸发器组件 | Evaporator asm | 图号：IM2100-UI-80-02 | 1 | 阶段：A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | 材料：TP3M | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | 重量：/ | 比例：1:2 | 校对：/ | 日期：/ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | 单位：mm | 审核：/ | 日期：/ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | 幅面：A3 | 标准化：/ | 日期：/ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | 共1张 | 第1张 | 批准：/ | 日期：/ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Form No. 01-165-F | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

7.0 Illustrations

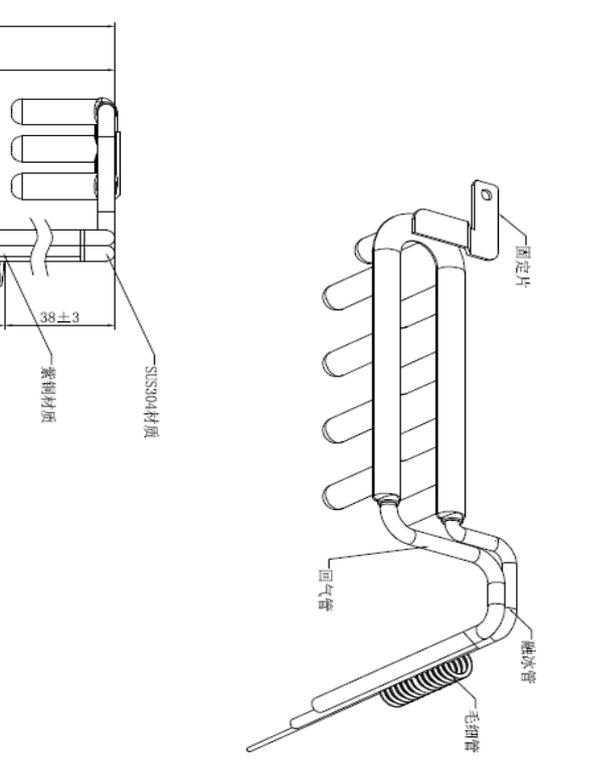
Illustration 5.1 - Specification of Evaporator - alternative

20-08-11-001ZM1 : 备图



技术要求

- 1、管道内杂质含量≤10mg、水份含量≤5mg;
- 2、蒸发器在1.7MPa压力下1min无泄漏;
- 3、蒸发管整体光滑，底部无凹凸、焊瘤现象，各制冰柱表面光滑，无高低不一现象;
- 4、成品内充入0.3MPa氮气后封堵;
- 5、毛细管材质及尺寸：T2Y2/φ1.8×φ0.66×960;
- 6、固定板材厚度：10.8;
- 7、回气管尺寸：SUS304 φ6×0.55×120 接紫铜管φ6×0.5×167;
- 8、融冰管尺寸：SUS304 φ6×0.55×100 接紫铜管φ4×0.5×200;
- 9、LM3-毛细管流量测试仪器设备，调到0.5MPa压力下，用标准样板对比，要求误差控制在±0.15L/min;
- 10、未标注角度按R15，一般公差按GB/T1804-m;
- 11、符合FDA等食品卫生测试。



| 序号 | 名称 | 图号 | 材料 | 数量 | 备注 |
|----|----------------------------|--------------------|--------------|-----|------|
| 1 | 蒸发器 | 更改单号 | 更改描述 | 签名 | 日期 |
| 2 | 型号：IM2100-UI 制冰机 Ice maker | | 广东新宝电器股份有限公司 | | |
| 3 | 名称：蒸发器组件 Evaporator asm | 编号： | 阶段：P | | |
| 4 | 材料：SUS304 + T2M | 图号：IM2100-UI-80-02 | 设计： | 日期： | 版次：A |
| 5 | 重量：1 | 比例：1:2 | 校核： | 日期： | |
| 6 | | 单位：mm | 审核： | 日期： | |
| 7 | | 幅面：A3 | 标准化： | 日期： | |
| 8 | | | 批准： | 日期： | |

Form No. 01-165-E

7.0 Illustrations

Illustration 7.1 - Marking for model "KWIM-0500"

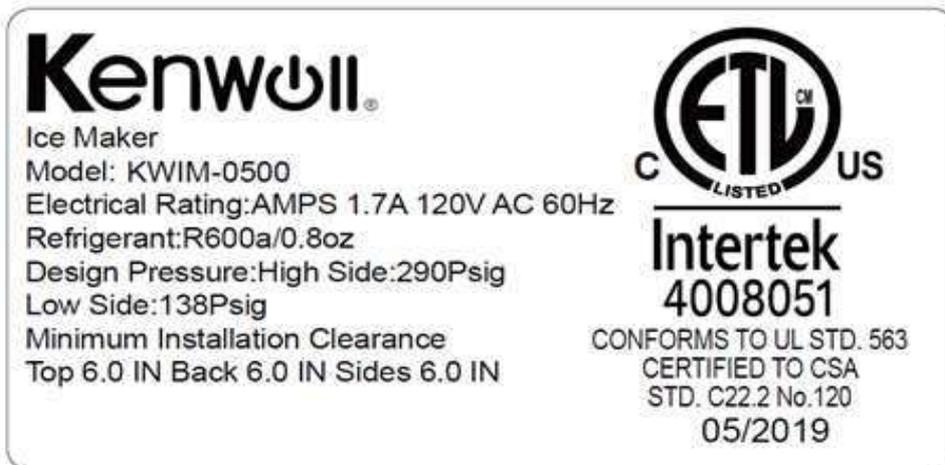
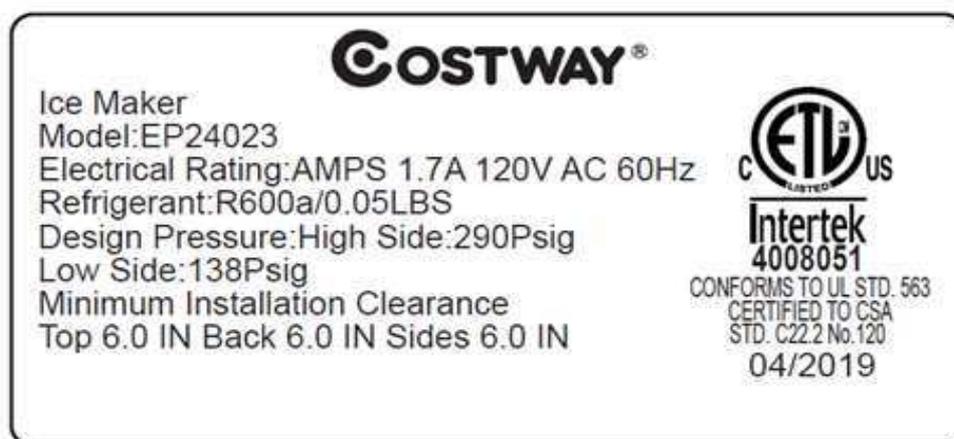


Illustration 7.2 - Marking for model "EP24023"

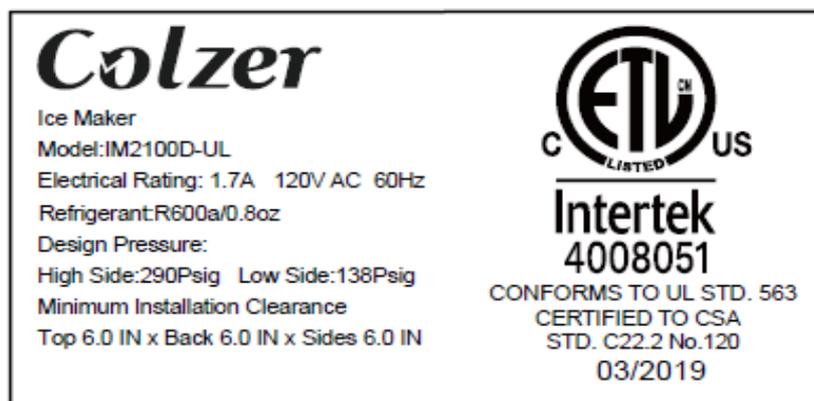


7.0 Illustrations

Illustration 7.3 - Marking of model KIM26-B



Illustration 7.4 - Marking for ML"Shenzhen Wanshi information Network CO., LTD"



| 8.0 Test Summary | | | |
|---|--|--|-------------------------------|
| Evaluation Period | Jun 20, 2018 to Aug 17, 2018 | | Project No. 180620054GZU |
| Sample Rec. Date | 19-Jun-2018 | Condition Prototype | Sample ID. S180620054-001~003 |
| Test Location | Intertek Testing Services Shenzhen Ltd. Guangzhou Branch Block E, No.7-2 Guang Dong Software Science Park, Caipin Road, Guangzhou Science City, GETDD, Guangzhou, China | | |
| Test Procedure | Testing Lab | | |
| Determination of the result includes consideration of measurement uncertainty from the test equipment and methods. The product was tested as indicated below with results in conformance to the relevant test criteria. | | | |
| The following tests were performed: | | | |
| Test Description | UL 563:2009 Ed.8+R:12Jan2017 7 Clause | CSA C22.2#120 Issued: 2013/03/01 Ed: 4 Clause | -- |
| Leakage Current Test – Cord-Connected Ice Makers / | 33 | 6.9 | -- |
| Input Test / Rating | 36 | 6.3 | -- |
| Temperature and Pressure Test / Temperature (Norma | 37 | 6.4 | -- |
| Starting Test | 38 | 6.13 | -- |
| Dielectric Voltage-withstand Test / Dielectric Strength | 39 | 6.10 | -- |
| Condenser Fan Motor Failure Test / Temperature | 40 | 6.11 | -- |
| Overflow Test | 42 | 6.23 | -- |
| Stability Test | 43 | 6.29 | -- |
| Overvoltage and Undervoltage Tests | 47 | -- | -- |
| Strength Tests - Pressure Containing Components / Pressure Tests | 51 | 6.26 | -- |
| Strain Relief Test / Strain Relief (Supply Cord) | 52 | 6.24 | -- |
| Leakage test | SA5.1 | E.5.1 | -- |
| Temperature test | SA5.3 | E.5.3 | -- |
| Impact test (Enclosures) | -- | 6.16 | -- |
| Moisture Absorption Resistance | -- | 6.20 | -- |
| Spill Test | -- | 6.30 | -- |
| Test Description | UL 1310, 6th Edition, Rev. May 30, 2014 Clause | CSA C22.2 No. 223-15, Dec. 2015 Clause | -- |
| Maximum Output Voltage Test | 28 | -- | -- |
| Output Current and Power Test | 30 | -- | -- |
| Dielectric Voltage Withstand Test | 34 | -- | -- |
| Abnormal Tests – Output Loading | 39.2 | -- | -- |
| Abnormal Tests – Component Breakdown | 39.7 | -- | -- |
| Open-Circuit Secondary Voltage | -- | 6.3.1 | -- |
| Maximum Output Current and Power | -- | 6.3.4 | -- |
| Dielectric Strength | -- | 6.5 | -- |
| Secondary Circuit Protection | -- | 6.7 | -- |
| Abnormal Tests – Component Breakdown | -- | 6.8 | -- |
| Test Description | UL778, 5th Edition, Rev. Aug. 25, 2011 Clause | CSA C22.2 No. 108-01, Rev. 2010 Clause | -- |
| Abnormal Operation Test - Dry operation | 48.1 | 7.4.5.1 | -- |

| 8.0 Test Summary | | | |
|---|--|--|--------------------------------|
| Evaluation Period | Aug 27, 2018 to Sep 30, 2018 | | Project No. 180827016GZU |
| Sample Rec. Date | 20-Aug-2018 | Condition Prototype | Sample ID. S180827016-001 |
| Test Location | Intertek Testing Services Shenzhen Ltd. Guangzhou Branch Block E, No.7-2 Guang Dong Software Science Park, Caipin Road, Guangzhou Science City, GETDD, Guangzhou, China | | |
| Test Procedure | Testing Lab | | |
| Determination of the result includes consideration of measurement uncertainty from the test equipment and methods. The product was tested as indicated below with results in conformance to the relevant test criteria. | | | |
| The following tests were performed: | | | |
| Test Description | UL 563:2009 Ed.8+R:12Jan201 7 Clause | CSA C22.2#120 Issued: 2013/03/01 Ed: 4 Clause | -- |
| Input Test / Rating | 36 | 6.3 | -- |
| Temperature and Pressure Test / Temperature (Norma load) | 37 | 6.4 | -- |
| Dielectric Voltage-withstand Test / Dielectric Strength | 39 | 6.10 | -- |
| Strength Tests - Pressure Containing Components / Pressure Tests | 51 | 6.26 | -- |
| | | | |
| Evaluation Period | Aug 27, 2019 to Oct 9, 2019 | | Project No. 190827132GZU |
| Sample Rec. Date | 27-Aug-2019 | Condition Prototype | Sample ID. S190827132-001, 002 |
| Test Location | Intertek Testing Services Shenzhen Ltd. Guangzhou Branch Block E, No.7-2 Guang Dong Software Science Park, Caipin Road, Guangzhou Science City, GETDD, Guangzhou, China | | |
| Test Procedure | Testing Lab | | |
| Determination of the result includes consideration of measurement uncertainty from the test equipment and methods. The product was tested as indicated below with results in conformance to the relevant test criteria. | | | |
| The following tests were performed: | | | |
| Test Description | UL 563:2009 Ed.8+R:12Jan201 7 Clause | CSA C22.2#120 Issued: 2013/03/01 Ed: 4 Clause | -- |
| Leakage Current Test – Cord-Connected Ice Makers | 33 | -- | -- |
| Input Test | 36 | -- | -- |
| Temperature and Pressure Test | 37 | -- | -- |
| Starting Test | 38 | -- | -- |
| Dielectric Voltage-withstand Test | 39 | -- | -- |
| Condenser Fan Motor Failure Test | 40 | -- | -- |
| Temperature test | SA5.3 | E.5.3 | -- |
| Rating | -- | 6.3 | -- |
| Temperature (Norma load) | -- | 6.4 | -- |
| Leakage Current | -- | 6.9 | -- |
| Dielectric Strength | -- | 6.10 | -- |
| Temperature (Abnormal Operation) | -- | 6.11 | -- |
| Starting Test | -- | 6.13 | -- |

8.0 Test Summary

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: | Becky Fan | Reviewed by: | Candy Wei |
| Title: | Project Engineer | Title: | Team Leader |
| Signature: | <i>Becky Fan</i> | Signature: | <i>Candy Wei</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 | Chuzhou Donlim Electrical Appliances Co., Ltd |
| Address | No.1777 Yangzi East Road, Chuzhou City, Anhui Province |
| Country | China |
| Product | Ice Maker |

| | |
|--------------------------|--|
| MULTIPLE LISTEE 1 | Curtis International LTD |
| Address | 7045 BECKETT DRIVE, UNIT 15 MISSISSAUGA, ONTARIO L5S 2A3 |
| Country | Canada |
| Brand Name | FRIGIDAIRE, RCA, IMPROVEMENTS |

| | |
|--------------------------------|--|
| ASSOCIATED MANUFACTURER | Chuzhou Donlim Electrical Appliances Co., Ltd |
| Address | No.1777 Yangzi East Road, Chuzhou City, Anhui Province |
| Country | China |

| MULTIPLE LISTEE 1 MODELS | BASIC LISTEE MODELS |
|--|---------------------|
| EFIC121- may be followed by one to eight characters. | IM2101-UL |
| EFIC121 | IM2101-UL |
| 606780 | IM2101-UL |
| HSN#668741 | IM2101-UL |
| HSN#668741- may be followed by three characters. | IM2101-UL |
| RIC121 | IM2101-UL |
| IMP121 | IM2101-UL |
| IMP121- may be followed by one to eight characters. | IM2101-UL |

| 9.0 Correlation Page For Multiple Listings | |
|--|--|
| MULTIPLE LISTEE 2 | Nostalgia Products LLC |
| Address | 1471 Partnership Drive Green Bay WI54304 |
| Country | USA |
| Brand Name | Nostalgia Products LLC |
| ASSOCIATED MANUFACTURER | Chuzhou Donlim Electrical Appliances Co., Ltd |
| Address | No.1777 Yangzi East Road, Chuzhou City, Anhui Province |
| Country | China |
| MULTIPLE LISTEE 2 MODELS | BASIC LISTEE MODELS |
| ICEB26HNAQ may be followed by one to ten characters. | IM2100DT-UL |
| ICEB26HNBK may be followed by one to ten characters. | IM2100DT-UL |
| ICEB26HNWH may be followed by one to ten characters. | IM2100DT-UL |
| ICEBNH26 may be followed by one to ten characters. | IM2100T-UL |
| ICEBNH26AQ may be followed by one to ten characters. | IM2100T-UL |
| ICEBNH26BK may be followed by one to ten characters. | IM2100T-UL |
| ICEBNH26WH may be followed by one to ten characters. | IM2100T-UL |
| ICEBNH26SS may be followed by one to ten characters. | IM2102T-UL |
| ICEBNH26BS may be followed by one to ten characters. | IM2102T-UL |
| ICEBNH26CP may be followed by one to ten characters. | IM2102T-UL |
| ICEB26HNBS may be followed by one to ten characters. | IM2102DT-UL |
| ICEB26HNSS may be followed by one to ten characters. | IM2102DT-UL |
| ICEB26HNCP may be followed by one to ten characters. | IM2102DT-UL |

| 9.0 Correlation Page For Multiple Listings | |
|---|--|
| MULTIPLE LISTEE 3 | Shenzhen Wanshi information Network CO., LTD |
| Address | Room 203, No. 12, #1 Area, Fifth Industrial Zone, Shangfen Community, Minzhi Street, Longhua District, Shenzhen City, Guangdong Provice 518000 |
| Country | China |
| Brand Name | colzer |
| ASSOCIATED MANUFACTURER | Chuzhou Donlim Electrical Appliances Co., Ltd |
| Address | No.1777 Yangzi East Road, Chuzhou City, Anhui Province |
| Country | China |
| MULTIPLE LISTEE 3 MODELS | BASIC LISTEE MODELS |
| IM2100D-UL | IM2100D-UL |

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 issue 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.

Note: A facsimile must be submitted to Intertek, Attn: Follow-up Services for approval prior to use.

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

MANUFACTURING AND PRODUCTION TESTS

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

FOLLOW-UP SERVICE

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

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

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

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

10.1 Evaluation of Unlisted Components

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

Note to Intertek Follow Up Inspector: The Component Evaluation Center, CEC, will notify you in writing when these components must be selected and sent to the CEC for re-evaluation

Ship the samples to:

Intertek Testing Services Shenzhen Limited Guangzhou Branch

ETL Component Evaluation Center

Block E, No. 7-2 Guang Dong Software Science Park, Caipin Road, Guangzhou Science City

CETDD Guangzhou, China.

Attn: Ms. Joey Kuang

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
- Grounding Continuity Test
- Pressure Tests For Leakage and Strength

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:

| <u>Product</u> | <u>Test Voltage</u> | <u>Test Time</u> |
|--------------------------------------|---------------------|------------------|
| All products covered by this Report. | 1000VAC | 60 s |
| | or | |
| | 1200VAC | 1 s |

11.2 Grounding Continuity Test

Method

Each product listed below shall be subjected to a test to determine that there is continuity between accessible dead-metal parts of the product and the grounding pin or blade of the attachment plug.

If all accessible dead metal is connected, only a single test need be performed. A visual or audible device (ohmmeter, buzzer, etc.) may be used to indicate grounding continuity.

Products Requiring Grounding Continuity Test:

All products covered by this Report.

11.3 Pressure Tests for Leakage and Strength

Method

Each ice cream maker shall be tested and proved tight at not less than the design pressure(s) on the appliance.

If the final assembly is completed with flare-type fittings or telescoped tubing joints which are sealed with sliver solder, brazing, or the equivalent, the pressure test of the complete system may be at the low-side design pressure provided that the high-side parts are individually tested either by the room air conditioner manufacturer or by the manufacturer of the part at not less than the high-side design pressure.

At least once each year, a strength test shall be conducted on refrigerant-containing components of the shell-type which have an inside diameter greater than 3 inches(76.2mm) including motor-compressor enclosures. The test shall be conducted on at least one sample of each size and type. The part shall comply with requirements of Strength Tests. Such tests may be conducted either by the room air conditioner manufacturer or by the manufacturer of the component.

Products Requiring Pressure Tests for Leakage and Strength:

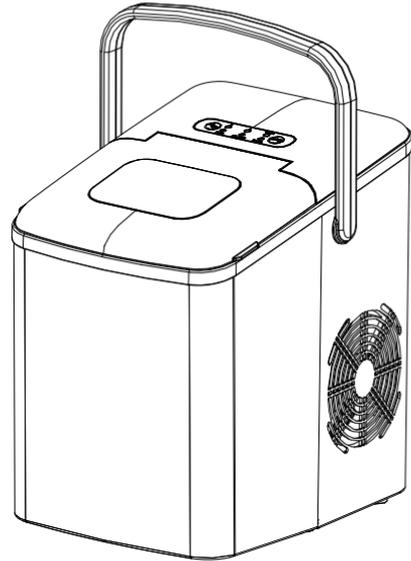
All products covered by this Report.

| 12.0 Revision Summary | | | | |
|--|---|---|---------------------|--|
| The following changes are in compliance with the declaration of Section 8.1: | | | | |
| Date/ Proj # Site ID | Project Handler/ Reviewer | Section | Item | Description of Change |
| 30-Sep-2018 180827016GZU | Becky Fan / Candy Wei | 2 | - | Added new model IM2102-UL, IM2102D-UL, IM2102T-UL, IM2102DT-UL. Corrected the model number from "IM2100TD-UL" to "IM2100DT-UL" in the Model Similarity. Revised the Model Similarity due to adding new models. |
| | | | 3 | Corrected the model number from "IM2100TD-UL" to "IM2100DT-UL" in the Model Similarity. |
| | | 3 | 1.1, 3.1, 3.2 | Added photos. |
| | | | 4.1 | Revised the photo# from "5" to "4.1". |
| | | | 11 | Added "connector CON1 has tow types" in the photo title and added detail view for alternative connector. |
| | | | 13 | Added "connector CON1 has tow types" in the photo title and replaced with new photo due to changing the location of PUMP connector. |
| | | | 14 | Replaced with new photo due to changing the location of PUMP connector. |
| | | | 4 | 1a |
| | | 4 | 6 | Added stainless steel material and added photo#3b. |
| | | | 9 | Added stainless steel tube in the technical data. |
| | | | 12 | Corrected the technical data from "110-115V" to "110-120V". |
| | | | 14 | Corrected the technical data from "110-120V" to "100-120V". |
| | | | 32 | Corrected the technical data from "85 °C" to "105 °C" for X2 capacitor from GUANGDONG FENGMING ELECTRONIC TECH CO LTD. Added alternative X2 capacitor typt HD. |
| | | | 34 | Revised the technical data from "18AWG-22AWG" to "18AWG-24AWG". |
| | | | 43 | Deleted fuse type 932. |
| | | 7 | 5.1 | Added Specification of Evaporator - alternative |
| 8 | - | Added test block for this revision and re-signed. | | |
| 4-Mar-2019 190214008GZU | Cplaying Chen Becky Fan / Candy Wei | 4 | 41 | Added new relay models: JZC-32F/012-HS, SJ-SH-112DM2, RJ-SS-112DM-S, GI-1A-12DS. |
| | | 7 | 6 | Added ML marking of "Curtis International LTD". |
| | | 9 | 1 | Added ML "Curtis International LTD" and ML model "EFIC121-SS" with brand name "FRIGIDAIRE". |

| 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 |
| 23-Apr-2019 190404120GZU | Cplaying Chen Becky Fan / Candy Wei | 2 | - | 1. Added new models "IM2100A-UL, IM2100AD-UL, IM2100AT-UL, IM2100ADT-UL, IM2101A-UL, IM2101AD-UL, IM2101AT-UL, IM2101ADT-UL, IM2102A-UL, IM2102AD-UL, IM2102AT-UL, IM2102ADT-UL, IM2100B-UL, IM2100BD-UL, IM2100BT-UL, IM2100BDT-UL, IM2101B-UL, IM2101BD-UL, IM2101BT-UL, IM2101BDT-UL, IM2102B-UL, IM2102BD-UL, IM2102BT-UL, IM2102BDT-UL, ". 2. Added two authorised brand name "Kenwell", "COSTWAY". 3. Added a new model "KWIM-0500" of brand name "Kenwell", and added a new model "EP24023" of brand name "COSTWAY". 4. Revised model similarity for above new models. |
| | | 7 | 7.1, 7.2 | Added marking of new models. |
| 9-May-2019 190423157GZU | Cplaying Chen Becky Fan / Candy Wei | 2 | - | Added an authorised brand name "Koolatron" and model "KIM26-B" and revised model similarity. |
| | | 7 | 2.1.1 | Added Illustration of alternative wiring diagram. |
| | | | 6 | Deleted ML marking of "Curtis International LTD". |
| | | | 7.3 | Added marking of model KIM26-B |
| 9 | 1 | 1 | 1. Revised ML model from "EFIC121-SS" to "EFIC121- may be followed by one to eight characters". 2. Added ML model "EFIC121, 606780, HSN#668741, HSN#668741- may be followed by three characters, RIC121, IMP121, IMP121- may be followed by one to eight characters" for ML "Curtis International LTD" with brand name "FRIGIDAIRE, RCA, IMPROVEMENTS". 3. Revised word in address of ML from "2AS" to "2A3". | |
| | 2 | 2 | Added ML "Nostalgia Products, LLC" and ML model "ICEB26HNSS, ICEB26 may be followed by one to ten characters, ICEB26HNAQ, ICEB26HNBK, ICEB26HNWH, ICEB26 may be followed by one to ten characters" with brand name "Nostalgia Products, LLC". | |

| 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 |
| 15-Jul-2019 190610037GZU | Mercy Liu Becky Fan / Candy Wei | 9 | 2 | Revised ML comply name and brand name from "Nostalgia Products, LLC" to "Nostalgia Products LLC"; added ML models "ICEBNH26 may be followed by one to ten characters. ICEBNH26AQ may be followed by one to ten characters. ICEBNH26BK may be followed by one to ten characters. ICEBNH26WH may be followed by one to ten characters. ICEBNH26SS may be followed by one to ten characters. ICEBNH26BS may be followed by one to ten characters. ICEBNH26CP may be followed by one to ten characters. ICEB26HNBS may be followed by one to ten characters. ICEB26HNCP may be followed by one to ten characters." with brand name "Nostalgia Products LLC" for ML "Nostalgia Products LLC"; revised ML models from "ICEB26HNSS, ICEB26HNAQ, ICEB26HNBK, ICEB26HNWH" to "ICEB26HNSS may be followed by one to ten characters. ICEB26HNAQ may be followed by one to ten characters. ICEB26HNBK may be followed by one to ten characters. ICEB26HNWH may be followed by one to ten characters."; deleted ML model "ICEB26 may be followed by one to ten characters." |
| 24-Jul-2019 190610147GZU | Mercy Liu Becky Fan / Candy Wei | 9 | 3 | Added ML "Shenzhen Wanshi information Network CO., LTD" with brand name "colzer", model refer to sec 9 ML 3. |
| 19-Aug-2019 190812023GZU | Mercy Liu Becky Fan / Candy Wei | 6 | 8 | Added illustration number 7.4 for "Marking". |
| | | 7 | 7.4 | Added nameplate for ML "Shenzhen Wanshi information Network CO., LTD". |
| 9-Oct-2019 190827132GZU | Becky Fan/ Candy Wei <i>Becky Fan Candy Wei</i> | 4 | 12 | Added alternative compressor "QD48Y11G". |
| | | | 14 | Added alternative synchronous motor "50TYZ-0.1B01". |
| | | | 17 | Revised the Solenoid Valve model from "FDF2A" to "PDF2A64", Added alternative solenoid valve "DTF-1-2A". Deleted manufacturer "CHANGZHOU LUSI ELECTRICAL APPLIANCE CO LTD" model "DTF-1-2A". |
| | | | 19 | Added alternative condenser fan "PY-1225H12S". |
| | | 8 | - | Added test summary for this revision and resigned. |

BOSCARE



ICE MAKER
IM2100DT-JL

Manufacturer: Chuzhou Donlim Electrical Appliances CO., Ltd
Address: No.1777 Yangzi East Road , Chuzhou City , Anhui Province
Guangdong Province, China.
MADE IN CHINA

IMPORTANT SAFEGUARDS

To reduce the risk of fire, explosion, electric shock, or injury when using your ice maker, follow these important safety instructions:

1. Before using check that the voltage power corresponds to the one shown on the appliance nameplate.
2. Do not remove any safety, warning, or product information labels from your ice maker.
3. Plug the ice maker into an exclusive grounded power outlet. No other appliance should be plugged into the same outlet. Be sure that the plug is fully inserted into the receptacle.
4. This appliance must be grounded. It is equipped with a power cord having a grounding plug. The plug must be plugged into an outlet that is properly installed and grounded.
5. Avoid the use of an extension cord because it may overheat and cause a risk of fire. However, if it is necessary to use an extension cord:
 - 1) Use only extension cord with grounding plug.
 - 2) The marked rating of an extension cord must be equal to or greater than the rating of this appliance.
 - 3) It should be positioned such that it does not drape over the counter or tabletop where it can be pulled on by children intentionally.
6. Do not operate any appliance with a damage cord or plug or after the appliance malfunction or has been damaged in any manner. Return the appliance to the nearest authorized service facility for examination, repair

or adjustment.

7. If the supply cord is damaged, it must be replaced by the manufacturer or its service agent or a similarly qualified person in order to avoid a hazard.
8. Do not let cord hang over edge of table or counter.
9. Do not place on or near a hot gas or electric burner, or in a heated oven.
10. Place power cord in such a way it cannot be pulled on by children or cause a tripping hazard.
11. Place power cord in such a way that it is not in contact with hot surfaces.
12. The use of attachment not recommended or sold by manufacturer may cause fire, electric shock or injury.
13. Do not touch the evaporator when using the ice maker or making ice to avoid being suffer from frostbite.
14. Do not immerse any part of the product in water.
15. To disconnect, turn any control to "OFF", then remove plug from wall outlet.
16. Do not plug or unplug product with wet hands.
17. Unplug the product before cleaning, maintaining and when not in use.
18. Do not use with water that is microbiologically unsafe or of unknown quality.
19. Do not clean your ice maker with any flammable fluids. The fumes may create a fire hazard or explosion.
20. Do not overturn the ice maker. If the ice maker is overturned accidentally, make it stand steadily for 2 hours before power it on again.
21. If the ice maker is brought in from outside in winter-time, do not use for a few hours, allowing the unit to warm up to the room temperature before operating.
22. Never put flammable, explosive and corrosive articles

into the ice maker.

23. Never use the ice maker when there is flammable gas leakage.

24. Never store or use gas and other flammable articles near the ice maker to avoid any fire.

25. Unplug the ice maker before moving it to avoid damaging the refrigerating system.

26. Do not attempt to disassemble, repair, modify, or replace any part of your product.

27. This appliance is not intended for used by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliances by a person responsible for their safety.

28. Children should be supervised to ensure that they do not play with the appliance.

29. Close supervision is necessary when any appliance is used by or near children.

30. Do not leave the appliance unattended while in use.

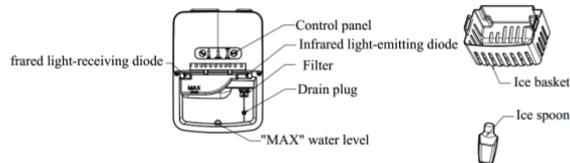
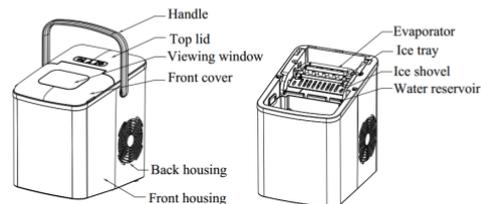
31. Do not use outdoors.

32. Do not use the appliance for other than intended use.

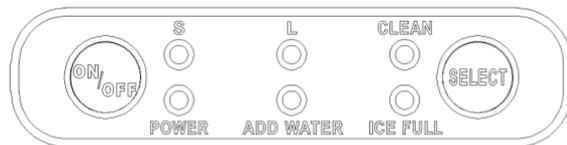
33. Please abandon the ice maker according to local regulators as it uses flammable blowing gas and refrigerant.

34. Please according to local regulations regarding disposal of the appliance for its flammable refrigerant and blowing gas.

KNOW YOUR ICE MAKER



CONTROL PANEL

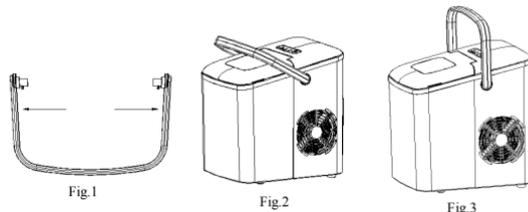


| Key (with indicator) | Function |
|----------------------|---|
| ON/OFF | Start or stop the appliance |
| ICE | Standby mode: "ICE" indicator blinks; Working condition: "ICE" indicator lights solidly. |
| ICE FULL | "ICE FULL" indicator lights up when the ice basket is full. |
| ADD WATER | "ADD WATER" indicator lights up when the water reservoir is lack of water. |
| S | The indicator lights up when select small ice. |
| L | The indicator lights up when select large ice. |
| CLEAN | "CLEAN" indicator lights up when the appliance needs to be cleaned |
| SELECT | Can select "S", "L" or "CLEAN" under standby mode, after power on, can select "S" or "L". |

BEFORE THE FIRST USE

1. Unpack the appliance, then check and make sure that all the accessories including ice basket and ice scoop etc. are complete. Please contact with the client service department if some accessories are missed.
2. Please follow the operation as below to install the handle well in position.

- 1) Grasp both sides of the handle shown in arrows with hands and pull them outwards (see Fig.1).
- 2) Make the handle align with the holes at the housing and release the hands, then the handle is inserted into the holes of housing (see Fig.2).
- 3) Pull and make the handle be upright, then pull both sides of the handle outwards by following the operation of Step 1). Check and make sure that the handle shall be positioned well at the holes of housing.
- 4) Grasp the center of handle and lift it upwards (see Fig.3), check and make sure that there shall be no abnormal condition can be found.



3. Please ensure the ice maker is level and on a stable table or platform to avoid malfunction.
4. The incline angle of the ice maker cabinet should not exceed 45° during transportation or use. Do not turn the ice maker upside down. Doing so could cause the compressor or refrigerating system to operate incorrectly. Please allow time for the fluids in the compressor to settle after the ice maker is moved or transported. Before using the ice maker for the first time, please wait for 2 hours after the unit has been leveled and positioned in the proper place.

5. The appliance must be placed on a dry and level surface with sufficient ventilation, far from heat sources such as ovens, heaters and corrosive gases. Leave about a 6-inch (15cm) clearance on all sides of the ice maker for proper ventilation.
6. Do not fill the water reservoir with hot water. This may damage the ice maker. It is best to fill the water reservoir with water of room temperature or lower.
7. Do not use the appliance at a very cold environment (lower than 5 C).
8. Clean the appliance by following the operation of "CLEANING AND MAINTENANCE" before operate.

USING YOUR ICE MAKER

1. Ensure that the drain plug at the bottom of water reservoir is closed well.
2. Plug the ice maker into the wall outlet, the "ICE" indicator blinks.
NOTE: Please make the ice maker be rested for 30 minutes before plug if it has been moved.
3. Open the top lid and remove the ice basket.
4. Fill the water reservoir with drinking water.
NOTE: Do not fill above the MAX water level mark.
5. Replace the ice basket and close the top lid.
6. Press "ON/OFF" key, and the "ICE" indicator lights solidly. At that time, press "SELECT" key to select the ice size. If need to clean the appliance, press "SELECT" key to select "CLEAN" function under standby mode.

7. The ice-making cycle will last approximately 7-15 minutes, depending on the ambient temperature and water temperature.
8. The ice-making cycle starts with water being pumped into the ice tray situated below the evaporator. Over the next 7-15 minutes ice forms on the evaporator. Once this has completed, the ice tray will tilt backwards and the remaining water in the ice tray is drained back into the water reservoir. The ice cubes are then dropped from the evaporator and pushed forward into the ice basket by the ice shovel. The ice tray will automatically move back into position under the evaporator and start the next cycle.
9. The "ICE FULL" indicator will light up when the ice basket is full and then the ice maker will stop the ice-making cycle automatically. Gently remove the ice from the ice basket with the ice scoop. About 7.5 seconds later, the ice maker will restart its ice making function automatically.
10. The "ADD WATER" indicator will light up when the water reservoir is lack of water and the ice-making cycle will stop automatically. At that time, remove the ice basket and add water to the water reservoir, and then press "ON/OFF" key again to restart the ice-making cycle. The appliance will start working automatically after about 20minutes if the operator forgets to restart the appliance after refill.
11. When you have got your desired amount of ice, stop the ice making cycle by pressing the "ON/OFF" key and unplug the unit from the wall outlet.
12. Open the top lid and transfer the ice to a freezer.
13. Allow the ice maker to reach room temperature.

14. Suggest replacing the water every a week. Please empty the water reservoir if the ice maker is not used for a long time.

CLEANING AND MAINTENANCE

To keep your ice tasting fresh and your ice maker looking great, we recommend cleaning your ice maker once per week.

1. Stop the ice-making cycle by pressing the "ON/OFF" key, unplug the ice maker from the wall outlet and allow it to warm up to room temperature.
2. If residual water is found in the ice tray, gently push the ice tray back so that all water drains into the water reservoir.
3. Move the appliance forward to a place 60mm away from the working table and open the drain plug to drain out excess water (see Fig.4, Fig.5 and Fig.6).
4. Check and make sure the drain plug must be closed well. Fill the water reservoir with clean water, press 'SELECT' until the 'CLEAN' indicator flashes, then press the "ON/OFF" key, the pump will start to pump water and keep running for 6 minutes, and it will enter into standby condition after running for 6 minutes, finally, open the drain plug and empty the water.
5. Remove the ice basket.
6. Clean the ice maker interior with a soft cloth soaked with warm water and vinegar, then rinse with clean water and then drain all the water.
7. Replace the drain plug well in position. Wash the ice

8. Clean the exterior of the ice maker with a soft damp cloth. Use a mild dishwashing soap, if necessary.

NOTE:

1) Do not use organic solvent, boiled water, detergent, strong acid and strong alkali etc. for cleaning.

2) Do not clean the evaporator.

9. Please empty the water reservoir and dry it for storage if the ice maker is not used for a long time.

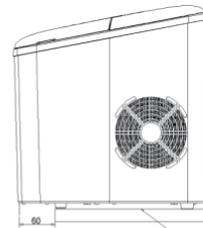


Fig.4



Fig.5



Fig.6

| Problem | Possible causes | Solution |
|--------------------------------|--|--|
| "ADD WATER" indicator turns on | 1.Low water level or lack of water 2.The water screen at the bottom of water reservoir is blocked. Pump malfunction. | 1.Stop making ice, refill water and then press "ON/OFF" key to restart ice-making cycle. 2.Do cleaning Send it to the authorized department for repair. |
| "ICE FULL" indicator lights up | 1.Ice basket is full and the infrared light is blocked by the ice. 2. Infrared light-emitting diode & light-receiving diode do not work | 1. Remove the ice from ice basket. 2a. Wipe up the foreign objects on the infrared light-emitting diode & light-receiving diode and restart the ice maker. 2b. Call Customer Service if the infrared light-emitting diode & light-receiving diode still can not work after wiping up the foreign objects on them and restarting the ice maker. |
| The ice collects together. | Making ice takes too much time. | Stop making ice and restart the ice-making cycle after the ice melts. |
| | The water in the water reservoir is of too low temperature. | Fill the water reservoir with water ranges between 8 C and 25 C . |

| | | |
|---|--|---|
| The ice-making cycle seems normal but no ice is produced. | The ambient temperature or water temperature is too high. | Start the ice-making cycle at a environment with an ambient temperature less than 32°C and fill the water reservoir with some cold water. |
| | Refrigerating system leaks | Call customer service |
| | Refrigerating system blocks | Call customer service |
| Poor ice-making result | 1.Poor heat dissipation. 2.The water temperature is too high. The ambient temperature is too high. | 1.Leave a 6-inch clearance on all sides of the ice maker for proper ventilation. 2.Fill the water reservoir with water ranges between 8 C and 28 C . Operate the ice maker at a environment with an ambient temperature between 10 C and 32 C . |

TECHNICAL PARAMETERS

Model: IM2100DT-UL
Electrical Rating: AMPS 1.7A 120V AC 60Hz
Refrigerant: R600a/0.8oz
Design Pressure : High Side :290Psig
Low Side :138 Psig
Minimum Installation Clearance
Top 6.0 IN BACK 6.0 IN Sides 6.0 IN