

1.0 Reference and Address			
Report Number	SH10011256-001	Original Issued: 8-Feb-2010	Revised: 29-Feb-2024
Standard(s)	Ice Makers [UL 563:2009 Ed.8+R:26May2021] Refrigeration Equipment (R2018)[CSA C22.2#120:2013 Ed.4]		
Applicant	Ningbo Hicon Industry Technology Co., Ltd.	Manufacturer 1	Ningbo Hicon Industry Technology Co., Ltd.
Address	No.55, 4th Binhai Road, Qianwan New Area, Ningbo, Zhejiang Province	Address	No.55, 4th Binhai Road, Qianwan New Area, Ningbo, Zhejiang Province
Country	P. R. China	Country	P. R. China
Contact	Mr. Mao Binjun	Contact	Mr. Mao Binjun
Phone	(86) 574-6330 9713	Phone	(86) 574-6330 9713
FAX	(86) 574-6330 9713	FAX	(86) 574-6330 9713
Email	maobinjun@163.com	Email	maobinjun@163.com

2.0 Product Description	
Product	Ice Maker
Brand name	HICON, Antarctic Star, AGLUCKY, R.W.FLAME, Free Village, Kismile, Kndko, Joy Pebble, COWSAR, KISSAIR
Description	The products covered by this report are Ice Makers for household use. They are cord-connected type with a recognized mold-on grounding plug and intended to be connected to 115V, 60Hz.
Models	HZB-12E, HZB-12EH, HZB-30D, HZB-18N, HZB-20N, HZB-22N, HZB-25N, HZB-18AN, HZB-20AN, HZB-22AN, HZB-25AN, HZB-18BN, HZB-20BN, HZB-22BN, HZB-25BN, HZB-18CN, HZB-20CN, HZB-22CN, HZB-25CN, HZB-12N, HZB-15N, HZB-17N, HZB-12NA, HZB-15NA, HZB-17NA, HZB-12NB, HZB-15NB, HZB-17NB, HZB-12N/S, HZB-15N/S, HZB-17N/S, HZB-12NA/S, HZB-15NA/S, HZB-17NA/S, HZB-12NB/S, HZB-15NB/S, HZB-17NB/S, HZB-20DN, HZB-25DN, HZB-15EN, HZB-20EN, HZB-15EN-W, HZB-15N-W, HZB-15N/S-W, HZB-15NA-W, HZB-15NA/S-W, HZB-15NB-W, HZB-15NB/S-W, HZB-20EN-W
Model Similarity	Model HZB-12E and HZB-12EH share similar construction and same compressor except for water adding method. Model HZB-12E need to add water manually, and HZB-12EH is connected to the water mains. Model HZB-30D share the similar construction with model HZB-12EH, except that HZB-30D has bigger appearance shape and size. Models HZB-18N, HZB-20N, HZB-22N, HZB-25N share the same construction with each other, except the ice making capacity. Models HZB-18AN, HZB-20AN, HZB-22AN, HZB-25AN are same with HZB-18N, HZB-20N, HZB-22N, HZB-25N respectively, except the outer appearance. Model HZB-18BN, HZB-20BN, HZB-22BN, HZB-25BN share the same construction with each other, except the ice making capacity. Model HZB-18BN share the similar construction with model HZB-18N, except the outer appearance and the compressor. Model HZB-18CN, HZB-20CN, HZB-22CN, HZB-25CN share the same construction with each other, except the ice making capacity. Models HZB-*CN series (*=18, 20, 22, 25) are extended from HZB-*N series (*=18, 20, 22, 25), they share the similar construction and different appearance. Models HZB-*N, HZB-*NA, HZB-*NB, HZB-*N/S, HZB-*NA/S, HZB-*NB/S (*=12, 15, 17) share the same electrical construction, except the difference appearance and ice making capacity. Models with "/S" have a stainless steel enclosure and models without "/S" have a plastic enclosure. Models follow by suffix "-W" means the unit add wifi module. Model HZB-20DN, HZB-25DN are extended from models HZB-*N (*=20, 25) with different appearance and functions. Model HZB-15EN are extended from model HZB-15N, model HZB-20EN are extended from model HZB-20BN, they share the same electrical construction, except appearance. Models follow by suffix "-W" means the unit add wifi module.

2.0 Product Description	
Ratings	HZB-12E, HZB-12EH: 115V, 60Hz, Ice-making current: 1.5A, Ice-harvest current: 2.0A, R134a, 1.8oz/51g, equipped with compressor L30H5L; HZB-12E, HZB-12EH: 115V, 60Hz, Ice-making current: 1.6A, Ice-harvest current: 2.0A, R600a, 0.74Oz/21g, equipped with compressor L48C5L, HV48Y11A; HZB-30D: 115V, 60Hz, Ice-making current: 2.3A, Ice-harvest current: 2.7A, R290, 1.62oz/46g, equipped with compressor QD32R11; HZB-18N, HZB-20N, HZB-22N, HZB-25N, HZB-18AN, HZB-20AN, HZB-22AN, HZB-25AN, HZB-20DN, HZB-25DN: 115V, 60Hz, Ice-making current: 2.7A, R600a, 1.06Oz/30g, equipped with compressor L48C5L and UKN43YA; HZB-18N, HZB-20N, HZB-22N, HZB-25N, HZB-18AN, HZB-20AN, HZB-22AN, HZB-25AN, HZB-18BN, HZB-20BN, HZB-22BN, HZB-25BN, HZB-18CN, HZB-20CN, HZB-22CN, HZB-25CN, HZB-20DN, HZB-25DN: 115V, 60Hz, Ice-making current: 2.5A, R600a, 0.81Oz/23g, equipped with compressor HV48Y11A, M43C5L and UKN43YA; HZB-12N, HZB-15N, HZB-15N-W, HZB-17N, HZB-12NA, HZB-15NA, HZB-15NA-W, HZB-17NA, HZB-12NB, HZB-15NB, HZB-15NB-W, HZB-17NB, HZB-12N/S, HZB-15N/S, HZB-15N/S-W, HZB-17N/S, HZB-12NA/S, HZB-15NA/S, HZB-15NA/S-W, HZB-17NA/S, HZB-12NB/S, HZB-15NB/S, HZB-15NB/S-W, HZB-17NB/S, HZB-15EN, HZB-15EN-W: 115V, 60Hz, Ice-making current: 2.7A, R600a, 0.57Oz/16g, equipped with compressor HV48Y11A, M43C5L and UKN43YA. HZB-20EN, HZB-20EN-W: 115V, 60Hz, Ice-making current: 2.7A, R600a, 0.74Oz/21g, equipped with compressor HV48Y11A, M43C5L and UKN43YA.
Other Ratings	High side pressure: 290 psig, low side pressure: 88 psig

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
2.1	1	Plug	Various	Various	NEMA 5-15P	cURus
2.2	2	Power Cord	Various	SJT	3*18AWG, 300 or 600V, VW-1, 1.8-3 m length	cURus
2.2	3	Enclosure Plastic	NINGBO LG YONGXING CHEMICAL CO LTD	HI-121H	ABS, 2mm thickness, rated HB, RTI(60 60 60)	cURus
			LG CHEMICAL LTD	HI121	ABS, 2mm thickness, rated HB, RTI(95 95 95)	cURus
			BASF CO LTD	GP-22	ABS, 2mm thickness, rated HB, RTI(90 80 95)	cURus
			KUMHO PETROCHEMICAL	ABS-750	ABS, 2mm thickness, rated HB, RTI(70 70 70)	cURus
2.6, 3.7	4	Ice-melting Valve	ZHEJIANG SANHUA (MH29234)	FDF2A series	110V/115V/120V/110-120V, 50/60Hz	cURus
			ZHEJIANG ZHONGBAO (E254164)	FDF2A FDF2A-02C	110V/115V/120V/110-120V, 50/60Hz	cURus
			CHANGZHOU CHANGHENG LUSI (MH30067)	DTF-1	110V/115V/120V/110-120V, 50/60Hz	UR
				DTF-1-2A	110V/115V/120V/110-120V, 50/60Hz	cURus
				FDF-2A	110V/115V/120V/110-120V, 50/60Hz	cURus
			TIANCHANG TIANHAO (MH47312)	FDF-2A	110V, 50/60Hz	cURus
			ZHEJIANG DUNAN (E253737)	FDF2A Series	110V, 50/60Hz	cURus
			Changzhou Weigeer (MH64645)	FDF-2A12	110-120V, 50/60Hz	cURus
2.6	6	Condenser Coil	NINGBO HICON	Various	Copper, outside diameter 7mm, thickness 0.31mm	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
2.4, 3.3	8	Synchronous Motor	WUXI DEXUN FUDA MOTOR CO LTD / WUXI DEXUN MICRO MOTOR CO LTD	50TYZ-E	120V, 50/60Hz	cURus
			CHANGZHOU LEI LI ELECTRICAL EQUIPMENT CO LTD	50TYZ-JF1	120V, 50/60Hz	cURus
			NINGBO JIULING MOTOR CO LTD	49TYJ	110-120V, 50/60Hz	cURus
			NINGBO MING JONG ELECTRIC INDUSTRY CO LTD	MS	120V, 50/60Hz, 3.5W	cURus
			Ningbo Tianling (E494337)	49TYJ	100-120V, 50/60Hz.	cURus
			ZHAOQING CITY GAOYAO DISTRICT HENGJUN (E242178)	TY-50	100-120V, 50/60Hz, 4W.	cURus
2.4, 3.3, 3.1 0	9	Ice-dispelling Motor	WUXI DEXUN FUDA MOTOR CO LTD / WUXI DEXUN MICRO MOTOR CO LTD	50KTYZ	115V, 60Hz, 6W, ZP	cURus
2.7, 3.3	10	Condenser Fan Motor	XINRUILIAN (E186492)	RDH1225S	DC12V, 0.4A, ZP	cURus
			SHENZHEN HUAXIA HENGTAI (E254715)	YM1212PTS1	DC12V, 0.27A, ZP	cURus
			ZHONGSHAN HENGSHAN PLASTIC PRODUCTS CO LTD	FS120252H	DC12V, 0.3A, ZP	cURus
			YATE LOON (E189702)	D12SH-12	DC12V, 0.3A, ZP	cURus
			YOUNG LIN (E199993)	DFS122512H	DC12V, 0.28A, ZP	cURus
			SHENZHEN POWERYEAR (E348858)	PY-1225H12S	DC12V, 0.35A	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
2.7, 3.6	11	Water Pump	DONGGUAN XINLINGLONG MOTOR & APPLIANCE MANUFACTURE R	XLL32ZWN12	DC12V, 0.3A	NR
			ZHONGSHAN WEILIBAO MOTOR & ELECTRIC APPLIANCE CO LTD	DB-2B0-11210	DC12V, 0.3A	NR
			NINGBO HICON	ZLWB-12	DC12V, 0.3A	NR
			ZHONGSHAN HENGSHAN PLASTIC PRODUCTS CO LTD	FS60202M	DC12V, 0.23A	NR
2.4, 3.5	12	PVC Sleeving	DAE CHANG ELECCOM CO LTD	DC-3	300V or 600V, 105°C, VW-1	cURus
				DC-6	300V or 600V, 105°C, VW-1	cURus
			CHANGYUAN ELECTRONICS (SHENZHEN) CO LTD	CB-300	300V or 600V, 105°C, VW-1	cURus
				CB-600	300V or 600V, 105°C, VW-1	cURus
			JIANGSU TAICANG LIXIN ELECTRIC PLASTICS CO LTD	CSGV(a)-105/0(b)	300V or 600V, 105°C, VW-1	cURus
			SHANGHAI RISHUN ELECTRONIC EQUIPMENTS CO LTD	RST-300	300V or 600V, 105°C, VW-1	cURus
				RST-600	300V or 600V, 105°C, VW-1	cURus
			SHENZHEN CHEMIDA ELECTRONIC CO LTD	CHEMIDA TUBE CMD-3	300V or 600V, 105°C, VW-1	cURus
				CMD-6	300V or 600V, 105°C, VW-1	cURus
			LONGWELL CO	LIT-300	300V or 600V, 105°C, VW-1	cURus
				LIT-600	300V or 600V, 105°C, VW-1	cURus
			CHINA KINWA HIGH TECHNOLOGY CO LTD	VC-300	300V or 600V, 105°C, VW-1	cURus
				VC-600	300V or 600V, 105°C, VW-1	cURus
			WENZHOU HONGXIN PLASTIC CO LTD	HXT-300	300V or 600V, 105°C, VW-1	cURus
				HXT-600	300V or 600V, 105°C, VW-1	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
			SUZHOU FUCHEN ELECTRIC MATERIAL CO LTD	FC-300	300V or 600V, 105°C, VW-1	cURus
				FC-600	300V or 600V, 105°C, VW-1	cURus
			SHIHUA PLASTICS PIPE PRODUCTS FACTORY OF WANGNIUDUN TOWN DONGGUAN CITY	SHT-300	300V or 600V, 105°C, VW-1	cURus
				SHT-600	300V or 600V, 105°C, VW-1	cURus
2.4, 3.3	13	PWB Box	LG CHEMICAL LTD	AF312B	ABS, 2.5mm thickness, rated 5VA, RTI(75 70 75)	cURus
				AF365F	ABS, 2.0mm thickness, rated 5VA, RTI(85 85 80)	cURus
			CHI MEI CORPORATION	PA-765	ABS, 2.5mm thickness, rated 5VA, RTI(80 80 80)	cURus
				PA-765A	ABS, 2.5mm thickness, rated 5VA, RTI(80 80 80)	cURus
2.5 a, 3.4	14	Internal Wire	Various	1015/1007	22-18AWG, 600V, 105°C, bound well by cabel ties and routed in good way	cURus
3.9	15	Evaporator	NINGBO HICON	Various	Copper, outside diameter 6mm, thickness 0.5mm	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
2.1 1, 3.1 5	16	Relay	GOODSKY	RWH-SH-112DM	Min.5A, 120V/250V, 10E4.	cURus
			XIAMEN HONGFA	JQC-3FF HF3FF	Min.5A, 125V/250V/277V, 10E4.	cURus
			NINGBO SONGLE RELAY CO LTD	SRD-12VDC-SL-A	Min.5A, 125V/250V, 10E4.	cURus
			DONGGUAN SANYOU (E190598)	SRD-S-112DM series, SRD-SH-112DM Sereis	Min.5A, 125V/250V, 10E4.	cURus
			HSIN DA (E162117)	982-1A-12D	Min.5A, 125V/250V, 10E4.	cURus
			SONG CHUAN PRECISION CO LTD	833H-1C-C	Min.5A, 125V, 10E4.	cURus
			QUN LI RADIO APPLIANCE FACTORY	JQC-3FB	Min.5A, 120V or 250V, 10E4.	cURus
			NINGBO JINTIAN RELAY CO LTD	JQC-3FF	Min.5A, min. 120V or 125V, 10E4.	cURus
				HF3FF	Min.5A, min. 120V or 125V, 10E4.	cURus
			NINGBO ZETTLER (E319069)	JQC-3FF	Min.5A, 120V/125V/250V/277V, 10E4.	cURus
			HSIN DA (E162117)	943/943A-1A-12D	Min.5A, 125V/240V/250V, 10E4.	cURus
			YUEQING MEISHUO (E313266)	MPA-S-112-A	Min. 5A, 125V/240V/250V, 10E4.	cURus
			NINGBO TIANBO GANGLIAN ELECTRONICS CO LTD	HJR-3FF	Min. 5A, 120V or 125V, 10E4.	cURus
			WANGRONG ELECTRONICS (SHENZHEN) (E345228)	RD-112DM-A-S	Min 5A, 250/227V, 10E4.	cURus
			NINGBO HUILONGCANG (E215689)	973-12VDC-SL-A	Min 5A,125Vor 250V, 10E4.	cURus
			Shenzhen Golden Electrical (E321783)	GH-1A-12LSFT	Min. 5A, 120V or 125V, 10E4.	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
2.9, 3.1 5	17	Across-the-line Capacitor	JIMSON (E152288)	MKP	0.1μF, 0.33μF, 0.56μF, min. 250V	cURus
			JENN SHEN (E184650)	MPX	0.1μF, 0.33μF, 0.56μF, min. 250V	cURus
			DAIN (E147776)	MPX	0.1μF, 0.33μF, 0.56μF, min. 250V	cURus
			ANHUI TONG FENG (E214748)	MKP	0.1μF, 0.33μF, 0.56μF, min. 250V	cURus
			FU XIN PAN OCEAN (E352735)	MPX-X2	0.1μF, 0.33μF, 0.56μF, min. 250V	UR
			DONGGUAN JURCC (E343072)	MPX	0.1μF or 0.33μF, 0.56μF, min. 250V	cURus
			Ultra Tech Xiphi (E183780)	HQX	0.1μF, 0.33μF, 0.56μF, min. 250V	cURus
			Carli Electronics (E120045)	MPX	0.1μF, 0.33μF, 0.56μF, min. 250V	cURus
			TENTA (E222911)	MEX	0.1μF, 0.33μF, 0.56μF, min. 250V	cURus
			GUANGZHOU YES (E355933)	MPX/MKP	0.1μF, 0.33μF, 0.56μF, min. 250V	cURus
			GUANGDONG FENGMING (E345487)	MKP-X2	0.1μF, 0.33μF, 0.56μF, min. 250V	cURus
			Shantou Songtian (E208107)	MPX	0.1μF or 0.33μF or 0.56μF, min. 250V	cURus
			SHENZHEN JING YU (E230035)	CBBX2	0.1μF or 0.33μF or 0.56μF, min. 250V	cURus
			EUROPTRONIC (SUZHOU) (E211347)	MPX2	0.1μF or 0.33μF or 0.56μF, min. 250V	cURus
			ZHUHAI SUNG HO (E327138)	CMPP	0.1μF or 0.33μF or 0.56μF, min. 250V	cURus
			KNSCHA ELECTRONICS (E477850)	MPX/MKP	0.1μF or 0.33μF or 0.56μF, min. 250V	cURus
			XIAMEN FARATRONIC (E186600)	MKP62	0.1μF or 0.33μF or 0.56μF, min. 250V	cURus
			HUIZHOU RONGDA (E362358)	MPX	0.1μF or 0.33μF or 0.56μF, min. 250V	cURus
			QIRONG (E492807)	MKP	0.1μF, 0.33μF, 0.56μF, min. 250V	cURus
			DONGGUAN CHENG DONG (E495826)	MPX	0.1μF, 0.33μF, 0.56μF, min. 250V	cURus
			SHIHUA (E237560)	MPX	0.1μF, 0.33μF, 0.56μF, min. 250V	cURus
			JYH HSU (JEC) (E356696)	MPX	0.1μF or 0.22μF or 0.33μF, min. 250V	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 YUANSHENG (E522434)	MPX/MKP	0,1μF, 0.33μF, 0.56μF, min. 250V	cURus
			Dongguan QinHong (QNR) (E488626)	MPX	0,1μF, 0.33μF, 0.56μF, min. 250V	cURus
			Various	Various	0,1μF, 0.33μF, 0.56μF, min. 250V	cURus
2.9, 3.1 5	18	Varistor	CHENGDU TIEDA (E334320)	MYN12-331	330V	cURus
			FENG HUA ADVANCE (E325462)	FNR10K331	330V	UL, CSA
			KESTAR ELECTRONIC (CHINA) (E328106)	MYG10-331	330V	UL, CSA
			DONGGUAN LITTELFUSE ELECTRONICS CO LTD	VDR-10D331K	330V	UL, CSA
				MOV-10D331K	330V	UL, CSA
			EPCOS (ZHUHAI FTZ) CO LTD	(SIOV-) S10K320	320V	UL, CSA
			HONGZHI ENTERPRISES LTD	HEL-10D331K	330V	UL, CSA
			XIAN XIWUER (E321175)	MYD-10K331	330V	cURus
			CAPATRONICS ELECTRONICS (KUNSHAN) CO LTD	CVR10N331	330V	cURus
			NANJING JOCOL ELECTRONICS TECHNOLOGY CO LTD	10D331K	330V	cURus
				GNR10D331K	330V	cURus
				NFV14D331K	330V	cURus
				NFV10D331K	330V	cURus
				GNR14D331K	330V	cURus
			Guangxi New Future (E323753)	10D331K	330V	cURus
			JYA-NAY Co Ltd	10D331K	330V	cURus
			HUIZHOU SONGLONGXINDIAN (E359158)	10D331K	330V	cURus
			DONGGUAN CHENG DONG (E515504)	CDSPC-10D331	330V	cURus
			THINKING (E314979)	TVR10331	330V	cURus
			CENTRA (E316325)	CNR-10D331K	330V	cURus
			JYH HSU (JEC) (E486000)	10D331K	330V	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
			ZHEJIANG HUANG-YAN SAILING (E329714)	MYG10K331	330V	cURus
			GUANGZHOU YES (E491744)	V-331K-10D, V-331K-10D(E)H	330V	cURus
			Guangdong Huiwan (E480104)	V-331K-10D	330V	cURus
			XIAMEN SET (E322662)	SFV10D331K	330V	cURus
			SONGTIAN ENTERPRISE (E330837)	10D331K	330V	cURus
			Guangdong South Hongming (E321851)	ZVR10D331	330V	cURus
			SHENZHEN CHUANG NA(E477910)	10D331K	330V	cURus
			DONGGUAN CITY JIANKUN (E489693)	10D331K	330V	cURus
			SUZHOU XINHONGGAO (E533900)	HXR 10D331K	330V	cURus
			Dongguan Jiayi (E517636)	JNR 10D331K JNR 10D331KH	330V	cURus
			Fujian Qiaoguang (E507891)	FTR10D331K	330V	cURus
			YU FEI TE (E515299)	YFT 10D331K	330V	cURus
			Luzhou sincerity (E529390)	MYD-10K331	330V	cURus
			Dongguan QinHong (QNR) Electronics Co., Ltd. (E495834)	QNR-10D331K	330V	cURus
			Various	Various	330V	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
2.9, 3.1 5	20	Fuse	HOLLYLAND CO LTD	50F	3.15A, 125/250V, 5×20mm	cURus
				51S	3.15A, 125/250V, 5×20mm	cURus
				5EF	3.15A, 250V.	cURus
			LITTELFUSE INC	618	3.15A, 125/250V, 5×20mm	cURus
			EVER ISLAND ELECTRIC CO LTD & WALTER ELECTRIC	2000	3.15A, 125/250V, 5×20mm	cURus
			SHANGHAI SONGSHAN ELECTRONICS CO LTD	218	3.15A, 125/250V, 5×20mm	cURus
			HOLLYLAND CO LTD	51NM	3.15A, 125/250V, 5×20mm	cURus
			Various	Various	3.15A, 125/250V, 5×20mm, UL recognized fuse used.	cURus
			Shenzhen Lanson Electronics Co., Ltd.	5M series	3.15A, 125/250V, 5×20mm	cURus
				5N series	3.15A, 125/250V, 5×20mm	cURus
			Sunny East Enterprise Co. Ltd.	CEB series	3.15A, 125/250V, 5×20mm	cURus
				SEB series	3.15A, 125/250V, 5×20mm	cURus
			SHANGHAI FULLNESS (E485357)	TSP	3.15A, 250V.	cURus
			DONGGUAN BETTER (E300003)	932	3.15A, 250V.	cURus
			DONGGUAN CHEVRON (E358589)	SET	3.15A, 250V.	cURus
			SUZHOU WALTER (E56092)	2010	3.15A, 250V.	cURus
			CONQUER (E82636)	MST	3.15A, 250V.	cURus
			XC ELECTRONICS (SHENZHEN) (E249609)	5TE	3.15A, 250V.	cURus
			HONG HU BLUELIGHT (E324232)	6ET	3.15A, 250V.	cURus
			XIAMEN SET (E345932)	SPT478	3.15A, 250V	cURus
			SHENZHEN LANSON (E221465)	SMT	3.15A, 250V	cURus
			Various	Various	3.15A, 250V.	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
2.9, 3.1 6	21	Main PWB	NAN YA PLASTICS CORP CCL DEPT ELECTRONIC MATERIAL DIV	CEM-3-86/92/95	1.5mm thickness, V-0, 130°C	URus
			YAT TAO CHEMICAL HOLDINGS (HK) LTD	KH-111F (FR-1)	1.5mm thickness, V-0, 130°C	URus
			SHANGHAI NANYA COPPER CLAD LAMINATES CO LTD	SN-L1	1.5mm thickness, V-0, 130°C	URus
				SN-L2	1.5mm thickness, V-0, 130°C	URus
				SN-P1	1.5mm thickness, V-0, 130°C	URus
				SN-P2	1.5mm thickness, V-0, 130°C	URus
			CHANGZHOU SHUANGJIN ELECTRONIC CO LTD	CCEM-1	1.5mm thickness, V-0, 130°C	URus
				CFR-1	1.5mm thickness, V-0, 130°C	URus
			ZHEJIANG WENZHOU TIANCHEN ELECTRONICS	TC-1	1.5mm thickness, V-0, 130°C	URus
			SHANDONG JINBAO ELECTRONICS CO LTD	ZD-90F	1.5mm thickness, V-0, 130°C	URus
				ZD-98F	1.5mm thickness, V-0, 130°C	URus
			Cixi Qingbao Electronic (E321750)	FR1	1.5mm thickness, V-0, 130°C	cURus
			CHANGZHOU KELONG (E248439)	JC-2	1.5mm thickness, V-0, 130°C	URus
			Various	Various	1.5mm thickness, V-0, 130°C	URus
			Hangzhou Baolin (E207143)	BL1	1.5mm thickness Min. Flammability, V-0.	URus
			Wenzhou Inttli (E306392)	inttli02	1.5mm thickness Min. Flammability, V-0.	URus
			Hangzhou Linan Pengyu (E229910)	PY-2	1.5mm thickness, V-0.	URus
			ZHEJIANG CORE POINT (E477843)	XT-02	Thickness: 1.5mm, V-0, 130°C	cURus
			Jiangxi Fan Li Sheng (E471141)	YFL-D, FLS-D	Thickness: 1.5mm, V-0, 130°C	URus
			Xian Xidian Electrical Co., Ltd.	XJ-339	1.5mm thickness, V-0.	URus
				SB-338F	1.5mm thickness, V-0.	URus
				CEPGC-31	1,5mm thickness, V-0.	URus
			Anhui Donggou (E473856)	SY-S	1.5mm thickness, V-0.	cURus
				SYDZ520	1.5mm thickness, V-0.	cURus
			ZHEJIANG HUABANG	H-01	1.5mm thickness, V-0.	cURus
				H-02	1.5mm thickness, V-0.	cURus
			KINGBOARD (E123995)	KB series	1.5mm thickness, V-0.	cURus
			Guangde anbang (E500792)	AB-S	1.5mm thickness, V-0.	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
			Guangde Yingfeite (E466867)	YFT2	1.5mm thickness, V-0.	cURus
			Zhejiang Yunkai (E466488)	YKPCB-2	1.5mm thickness, V-0.	cURus
			JIANGSU ZHONGSHUN (E512075)	ZS-SD	1.5mm thickness, V-0.	cURus
			SHANGHAI GLOBAL (E224772)	ILM-R1	Thickness: 1.5mm, V-0, 130°C	URus
			GOLDENMAX (ZHUHAI) (E330731)	ILM-R1	Thickness: 1.5mm, V-0, 130°C	URus
			GOLDENMAX (HANGZHOU) (E134893)	ILM-R1	Thickness: 1.5mm, V-0, 130°C	URus
			SHENZHEN STARIVER (E258603)	SR-01A	Thickness: 1.5mm, V-0, 130°C	URus
			Viafine PCB Ltd(E466925)	VF-D	Thickness: 1.5mm, V-0, 130°C	URus
			SHENZHEN TONGCHUANGXI N (E250336)	TCX, TCX-2	Thickness: 1.5mm, V-0, 130°C	URus
			SHENZHEN ZHONG LUO (E255554)	ZL-02	Thickness: 1.5mm, V-0, 130°C	URus
			Jiangxi Dongxun Precision (E530605)	DX-D	Thickness: 1.5mm, V-0, 130°C	URus
			Sui Ning Rui Jie Xing (E493761)	RJX-D	Thickness: 1.5mm, V-0, 130°C	URus
			Various	Various	Thickness: 1.5mm, V-0, 130°C	URus
2.9 3.1 6	22	Quick-connect Terminals (not shown)	JAPAN SOLDERLESS TERMINAL MFG CO LTD	SRSF-61-250A	Clamped at end of internal wires for connecting with terminals on PWB	cURus
			KOREA ELECTRIC TERMINAL CO LTD	ST730-135	Clamped at end of internal wires for connecting with terminals on PWB	cURus
			JIAN HUI METAL PLASTIC PART FACTORY	J704-BS	Clamped at end of internal wires for connecting with terminals on PWB	cURus
				J707-BS	Clamped at end of internal wires for connecting with terminals on PWB	cURus
			ZHEJIANG YUEQING CHANGDECHEN G ELECTRONIC CO LTD	HC621-6.3	Clamped at end of internal wires for connecting with terminals on PWB	cURus
			K S TERMINALS INC	FDFNYD2-250	Clamped at end of internal wires for connecting with terminals on PWB	cURus
				751-BS		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
			SHUN SHENG TERMINAL MFG LTD	751A-BS	Clamped at end of internal wires for connecting with terminals on PWB	cURus
				752-BS		cURus
				71155-BS		cURus
				7615-BS		cURus
				710-BS		cURus
				712-BS		cURus
			TYCO ELECTRONICS CORP	63232	Clamped at end of internal wires for connecting with terminals on PWB	cURus
				63313		cURus
				250		cURus
			ZHEJIANG	NL6.3A-005	Clamped at end of internal wires	UR
			YUEQING JIADE ELECTRONICS CO LTD	FAF-250W FAF-250WS FAF-250Z FAF-250ZS	Clamped at end of internal wires for connecting with terminals on PWB	cURus
			Various	Various	Clamped at end of internal wires for connecting with terminals on PWB	cURus
2.1	23	Marking Label (not shown)	KUNSHAN DAVID PRINTING & STATIONARY CO LTD	TL-400	60°C, pasted on the back of enclosure	URus
			HANGZHOU HENGBO LABEL CO LTD	JH-1	60°C	cURus
			YUETAI PRINTING & PACKING CO LTD	YT99601	80°C	cURus
				YT99601A	80°C	cURus
			TAIZHOU LUQIAO WU WEN PRINTING FACTORY	WW-02	80°C	URus
			YUYAO KANGDA ELECTRON PRINTING CO LTD	KD125	80°C	URus
			AVERY (CHINA) CO LTD	PET TC/S333	80°C	URus
			YUYAO CHENGQU SHENGYAN PRINTING FACTORY	ST-010	80°C	URus
				ST-010	80°C	URus

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
2.9, 3.1 5	24	Triacs	JIANGSU DONGGUANG MICRO-ELECTRONICS STOCK CO LTD	MAC97A6	0.6A. This component be used together with Item 25 Optical Isolators. For valve, syn. Motor	UR
			JIANGSU JIEJIE MICROELECTRONICS CO LTD	MAC97A6/JST131/BT131	0.6A. For valve, syn. Motor	UR
			PHILIPS	MAC97A6	0.6A. For valve, syn. Motor	NR
			ON SEMICONDUCTOR	MAC97A6	0.6A. For valve, syn. Motor	NR
			UNISONIC TECHNOLOGIES CO LTD	MAC97A6	0.6A. For valve, syn. Motor	NR
			FUXIN MICROELECTRONICS CO.LTD	97A6/BT131	0.6A. For valve, syn. Motor	NR
			Shenzhen King Technology Co., Ltd.	97A6/ADS1D80	0.6A. For valve, syn. Motor	NR
			Jiangsu Jilai Microelectronics	MAC97A8/MAC97A6/BT131/F0105-8V	0.6A. For valve, syn. Motor	NR
			JILIN SINOMICRO ELECTRONICS CO LTD	Z0607NS	0.6A. For valve, syn. Motor	NR
			Various	Various	0.6A.	NR
2.9, 3.1 5	25	Optical Isolators	LITE-ON TECHNOLOGY CORP	MOC-3021 series	Providing 5000V isolation. This component be used together with Item 24 Triacs. For valve, syn. Motor	cURus
			FAIRCHILD SEMICONDUCTOR CORP	MOC3021 series	Providing 3750V isolation. For valve, syn. Motor	cURus
			EVERLIGHT ELECTRONICS CO LTD	EL3021 series	Providing 5000V isolation. For valve, syn. Motor	cURus
				ELT3021 series	Providing 5000V isolation. For valve, syn. Motor	cURus
			SHARP CORP ELECTRONIC COMPONENTS AND DEVICES GROUP	1S3021 series	Providing 5000V isolation. For valve, syn. Motor	cURus
			SHENZHEN ORIENT (E323844)	ORMOC3021S series	Providing 5000V isolation. For valve, syn. Motor	cURus
			JIEJIE MICROELECTRONICS (Shenzhen) (E521485)	JOC3021 series	Providing 5000V isolation. For valve, syn. Motor	cURus
			CT Microelectronics Far East (E364000)	CT3021 seires	Providing 5000V isolation. For valve, syn. Motor	cURus
			Various	Various	Providing 5000V isolation. For valve, syn. Motor	cURus

4.0 Critical Components						
Photo #	Item no. ¹	Name	Manufacturer/ trademark ²	Type / model ²	Technical data and securement means	Mark(s) of conformity ³
3.1 5	25a	Optical Isolators	EVERLIGHT ELECTRONICS CO LTD	817	Providing 5000V isolation. For transformer. Only for HZB-30D.	cURus
				EL817	Providing 5000V isolation. For transformer. Only for HZB-30D.	cURus
			SHARP CORP ELECTRONIC COMPONENTS AND DEVICES GROUP	PC817	Providing 5000V isolation. For transformer. Only for HZB-30D.	cURus
			FAIRCHILD SEMICONDUCTOR CORP	FOD817	Providing 5000V isolation. For transformer. Only for HZB-30D.	cURus
			LITE-ON TECHNOLOGY CORP	LTV817	Providing 5000V isolation. For transformer. Only for HZB-30D.	cURus
			Shenzhen Orient Components Co., Ltd.	OR817	Providing 5000V isolation. For transformer. Only for HZB-30D.	cURus
2.9, 3.1 5	26	Y Capacitor	JYH CHUNG (E187963)	JY	Min 250V, 1.0nF or 2.2nF. 1 piece connected across pri. and sec. by soldering	cURus
			SHENZHEN SONGTE (E302622)	CT7	Min 250V, 1.0nF or 2.2nF. 1 piece connected across pri. and sec. by soldering	cURus
			JYH HSU(JEC) (E356696)	JY Series JD Series	Min 250V, 1.0nF or 2.2nF. 1 piece connected across pri. and sec. by soldering	cURus
			GUANGZHOU YES (E355933)	AR	Min 250V, 1.0nF or 2.2nF. 1 piece connected across pri. and sec. by soldering	cURus
			HAOHUA (E233106)	CT7	Min 250V, 1.0nF or 2.2nF. 1 piece connected across pri. and sec. by soldering	cURus
			NANJING JINGWEI ELECTRONICS CO LTD	CT7	Min 250V, 1.0nF or 2.2nF. 1 piece connected across pri. and sec. by soldering	cURus
			SHANTOU HIGH-NEW TECHNOLOGY (E208107)	CE series CD series	Min 250V, 1.0nF or 2.2nF. 1 piece connected across pri. and sec. by soldering	cURus
			TDK CORPORATION (E37861)	CS, CD	Min 250V, 1.0nF or 2.2nF. 1 piece connected across pri. and sec. by soldering	cURus
			GUANGDONG SOUTH HONGMING (E154899)	F	Min 250V, 1.0nF or 2.2nF. 1 piece connected across pri. and sec. by soldering	cURus
			Guangdong Fenghua (E219015)	CT7-Y1 CT7-Y2	Min 250V, 1.0nF or 2.2nF. 1 piece connected across pri. and sec. by soldering	cURus
			XIAMEN FARATRONIC (E186600)	MKP63	Min 250V, 1.0nF or 2.2nF. 1 piece connected across pri. and sec. by soldering	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
			DONG GUAN CITY JIANKUN (E340699)	JK	Min. 250V, 2.2nF. 1 piece connected across pri. and sec. by soldering	cURus
			KNSCHA ELECTRONICS (E477850)	JK	Min. 250V, 2.2nF. 1 piece connected across pri. and sec. by soldering	cURus
			DONGGUAN QINHONG(QNR) (E488626)	CT7	Min 250V, 1.0nF or 2.2nF. 1 piece connected across pri. and sec. by soldering	cURus
			Murata Manufacturing (E37921)	KJ series SA series	Min 250V, 1.0nF or 2.2nF. 1 piece connected across pri. and sec. by soldering	cURus
			Xiamen Wanming (E221839)	HJ series	Min 250V, 1.0nF or 2.2nF. 1 piece connected across pri. and sec. by soldering	cURus
			XIAMEN SINO FAITH (E328673)	HCX	Min 250V, 1.0nF or 2.2nF. 1 piece connected across pri. and sec. by soldering	cURus
			JYA-NAY CO LTD (E201384)	JY Series	Min 250V, 1.0nF or 2.2nF. 1 piece connected across pri. and sec. by soldering	cURus
			Suzhou Jiarong (E201384))	YB	Min 250V, 1.0nF or 2.2nF. 1 piece connected across pri. and sec. by soldering	cURus
			Various	Various	Min 250V, 1.0nF or 2.2nF. 1 piece connected across pri. and sec. by soldering	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
2.9	27	Switching Transformer	Various	Various	Horizontally installed, vanish impregnated core, thickness 5,3mm by width 20,6mm by length 20,2mm, bobbin min. 1,6mm thickness. Primary winding Ø0,25mm, 90 turns, type MW79, rated min. 155°C, measured 1,0Ω at 12°C. Sec. winding 3 layers insulated wire Ø0,45mm, 14 turns, rated min. 130°C, measured 0,06Ω at 12°C. Vcc winding Ø0,25mm, 18 turns, rated min. 155°C, measured 0,25Ω at 12°C. Class 120.	NR
			FOSHAN SHUNDE WANXIN ELECTRONIC ELECTRICAL CO.,LTD	WX-E19123	Varnish impregnated core, thickness 4.8mm by width 19.0mm by height 16.4mm, bobbin min. 1.0mm thickness. Primary winding Ø0.18mm, 120 turns, rated min. 155°C, measured 2.42Ω at 28°C. Sec. winding 3 layers insulated wire Ø0.45mm, 15 turns, rated min. 130°C, measured 62.54mΩ at 28°C. Vcc winding Ø0.18mm, 18 turns, rated min. 155°C, measured 0.54Ω at 28°C. Class 130. Horizontally secured to PWB by soldering without optical isolater as feedback.	NR
3.1 5	27a	Switching Transformer	Various	Various	Vertical installed, vanish impregnated core. Primary winding Ø0.3mm, 84 turns, type MW75-C/2UEW QA-1, rated min. 130/155°C, measured 1.3Ω at 25°C. Sec. winding 3 layers insulated wire Ø0.5mm*2P, 12 turns, rated min. 130°C, measured 0.04Ω at 25°C. Vcc winding Ø0.25mm*2P, 15 turns, rated min. 155°C, measured 0.215Ω at 25°C. Class 120. Only for HZB-30D.	NR
2.5, 2.5 a, 2.5 b	28	Compressor	HUAYI COMPRESSOR (JINGZHOU) CO LTD	L30H5L	110-115V, 60Hz, R134a. For HZB-12E, HZB-12EH	cURus
			HUAYI COMPRESSOR (JINGZHOU) CO LTD	L48C5L	110-120V, 60Hz, R600a. For HZB-12E, HZB-12EH.	cURus
			NINGBO ANUODAN MACHINERY CO LTD (SA33342)	HV48Y11A	110-120V, 60Hz, R600a. For models HZB-12E, HZB-12EH.	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
2.6, 3.3	29	Water-inlet valve	Various	Various	DC12V. Secured by screw. For HZB-12EH and HZB-30D.	NR
3.1 7	30	Compressor	NINGBO ANUODAN MACHINERY CO LTD (SA33342)	QD32R11	110-120V, 60Hz, R290. For HZB-30D	cURus
4.1	4.1	Plug	Various	Various	NEMA 5-15P	cURus
4.1	4.2	Power Cord	Various	SJT	4*18AWG, 300 or 600V, VW-1, 1.8-3 m length	cURus
4.1	4.3	Enclosure Plastic	NINGBO LG YONGXING CHEMICAL CO LTD	HI-121H	ABS, 2mm thickness, rated HB, RTI(60 60 60)	cURus
			LG CHEMICAL LTD	HI121	ABS, 2mm thickness, rated HB, RTI(95 95 95)	cURus
			BASF CO LTD	GP-22	ABS, 2mm thickness, rated HB, RTI(90 80 95)	cURus
			KUMHO PETROCHEMICAL	ABS-750	ABS, 2mm thickness, rated HB, RTI(70 70 70)	cURus
4.8	4.5	Internal Wire	Various	1015	22-18AWG, 600V, 105°C, bound well by cabel ties and routed in good way	cURus
4.9	4.6	PWB Box	LG CHEMICAL LTD	AF312B	ABS, 2.5mm thickness, rated 5VA, RTI(75 70 75)	cURus
				AF365F	ABS, 2.0mm thickness, rated 5VA, RTI(85 85 80)	cURus
			CHI MEI CORPORATION	PA-765	ABS, 2.5mm thickness, rated 5VA, RTI(80 80 80)	cURus
				PA-765A	ABS, 2.5mm thickness, rated 5VA, RTI(80 80 80)	cURus
4.9	4.7	Water-inlet valve	Various	Various	DC12V. Secured by screw.	NR
4.9, 4.10, 4.10d	4.8	Ice pushing motor	NINGBO HICON	SJ-0066/105JC640 G1312	120V, 60Hz, 11W, T.P.	See 5.0
4.9	4.9	Water Pump	DONGGUAN XINLINGLONG MOTOR & APPLIANCE MANUFACTURE R	XLL32ZWN12	DC12V, 0.3A	NR
			ZHONGSHAN WEILIBAO MOTOR & ELECTRIC APPLIANCE CO LTD	DB-2B0-11210	DC12V, 0.3A	NR
			NINGBO HICON	ZLWB-12	DC12V, 0.3A	NR
			ZHONGSHAN HENGSHAN PLASTIC PRODUCTS CO LTD	FS60202M	DC12V, 0.23A	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
4.9, 4.1 0b	4.10	Condenser Fan Motor	XINRUILIAN	RDH1225S	DC12V, 0.4A, ZP	cURus
			SHENZHEN HUAXIA HENGTAI ELECTRONIC CO LTD	YM1212PTS1	DC12V, 0.27A, ZP	cURus
			ZHONGSHAN HENGSHAN PLASTIC PRODUCTS CO LTD	FS120252H	DC12V, 0.3A, ZP	cURus
			YATE LOON ELECTRONICS CO LTD	D12SH-12	DC12V, 0.3A, ZP	cURus
			YOUNG LIN TECH CO LTD	DFS122512H	DC12V, 0.28A, ZP	cURus
			SHENZHEN POWERYEAR TECHNOLOGY CO LTD	PY-1225H12S	DC12V, 0.35A	cURus
4.1 0	4.11	Condenser Coil	NINGBO HICON	Various	Copper, outside diameter 7mm, thickness 0.31mm	NR
4.1 1	4.12	Evaporator	NINGBO HICON	Various	Copper, outside diameter 6mm, thickness 0.5mm, length approximately 1700mm. Fixed around the external surface of ice mould (9 turns). For HZB-*N,*AN,*BN,*CN,*DN (*=18,20,22,25) series	NR
4.1 1	4.12 a	Evaporator	NINGBO HICON	Various	Copper, outside diameter 6mm, thickness 0.5mm, length approximately 760mm. Fixed around the external surface of ice mould (5 turns).for HZB-*N,*N/S,*NA,*NA/S,*NB,*NB/S,(*=12,15,17)	NR
4.1 1	4.12 b	Evaporator	NINGBO HICON	Various	SUS tube welding around the external surface of ice mould. For all models	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
4.1 3, 4.1 3a, 4.1 3b	4.13	Compressor	HUAYI COMPRESSOR (JINGZHOU) CO LTD	L48C5L	110-120V, 60Hz, R600a.	cURus
			NINGBO ANUODAN MACHINERY CO LTD (SA33342)	HV48Y11A	110-120V, 60Hz, R600a. For all models.	cURus
			HUAYI COMPRESSOR (JINGZHOU) CO LTD (SA13324)	M43C5L	110-120V, 60Hz, R600a. For all models.	cURus
			Hangzhou Qianjiang Refrigeration Compressor Group Co Ltd (SA33247)	UKN43YA	110-120V, 60Hz, R600a. For all models.	cURus
4.1 6, 4.1 7a	4.14	Relay	GOODSKY	RWH-SH-112DM	Min.5A, 120V/250V, 10E4, secured to PWB by soldering.	cURus
			XIAMEN HONGFA	JQC-3FF HF3FF	Min.5A, 125V/250V/277V, 10E4.	cURus
			NINGBO SONGLE RELAY CO LTD	SRD-12VDC-SL-A	Min.5A, 125V/250V, 10E4.	cURus
			DONGGUAN SANYOU (E190598)	SRD-S-112DM series SRD-SH-112DM Sereis	Min.5A, 125V/250V, 10E4.	cURus
			HSIN DA (E162117)	982-1A-12D	Min.5A, 125V/250V, 10E4.	cURus
			SONG CHUAN PRECISION CO LTD	833H-1C-C	Min.5A, 125V, 10E4.	cURus
			QUN LI RADIO APPLIANCE FACTORY	JQC-3FB	Min.5A, 120V or 5A, 250V, 10E4.	cURus
			NINGBO JINTIAN RELAY CO LTD	JQC-3FF	Min.5A, min. 120V or 125V, 10E4.	cURus
				HF3FF	Min.5A, min. 120V or 125V, 10E4.	cURus
			NINGBO ZETTLER (E319069)	JQC-3FF	Min.5A, 120V/125V/250V/277V, 10E4.	cURus
			HSIN DA (E162117)	943/943A-1A-12D	Min. 5A, 125V/250V, 10E4.	cURus
			YUEQING MEISHUO (E313266)	MPA-S-112-A	Min. 5A, 125V/240V/250V, 10E4.	cURus
			NINGBO TIANBO GANGLIAN ELECTRONICS CO LTD	HJR-3FF	Min. 5A, 120V or 125V, 10E4.	cURus
			WANGRONG ELECTRONICS (SHENZHEN) (E345228)	RD-112DM-A-S	Min 5A, 250/227V, 10E4.	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
			NINGBO HUILONGCANG (E215689)	973-12VDC-SL-A	Min. 5A, 125V or 250V, 10E4.	cURus
			Shenzhen Golden Electrical (E321783)	GH-1A-12LSFT	Min.5A, 120V/125V/250V/277V, 10E4	cURus
4.1 6, 4.1 7a	4.15	Across-the-line Capacitor	JIMSON	MKP	0.1μF or 0.22μF, min. 250V	cURus
			JENN SHEN (E184650)	MPX	0.1μF or 0.22μF, min. 250V	cURus
			DAIN (E147776)	MPX	0.1μF or 0.22μF, min. 250V	cURus
			ANHUI TONG FENG (E214748)	MKP	0.1μF or 0.22μF, min. 250V	cURus
			FU XIN PAN OCEAN (E352735)	MPX-X2	0.1μF or 0.22μF, min. 250V	UR
			DONGGUAN JURCC (E343072)	MPX	0.1μF or 0.22μF, min. 250V	cURus
			Ultra Tech Xiphi (E183780)	HQX	0.1μF or 0.22μF, min. 250V	cURus
			Carli Electronics (E120045)	MPX	0.1μF or 0.22μF, min. 250V	cURus
			TENTA (E222911)	MEX	0.1μF or 0.22μF, min. 250V	cURus
			HUIZHOU RONGDA (E362358)	MPX	0,1μF or 0.22μF, min. 250V	cURus
			GUANGZHOU YES (E355933)	MPX/MKP	0,1μF or 0.22μF, min. 250V	cURus
			GUANGDONG FENGMING (E345487)	MKP-X2	0,1μF or 0.22μF, min. 250V	cURus
			Shantou Songtian (E208107)	MPX	0.1μF or 0.22μF, min. 250V	cURus
			SHENZHEN JING YU (E230035)	CBBX2	0.1μF or 0.22μF, min. 250V	cURus
			EUROPTRONIC (SUZHOU) (E211347)	MPX2	0.1μF or 0.22μF, min. 250V	cURus
			ZHUHAI SUNG HO (E327138)	CMPP	0.1μF or 0.22μF, min. 250V	cURus
			KNSCHA ELECTRONICS (E477850)	MPX/MKP	0.1μF or 0.22μF, min. 250V	cURus
			XIAMEN FARATRONIC (E186600)	MKP62	0.1μF or 0.22μF, min. 250V	cURus
			QI RONG (E492807)	MKP	0,1μF or 0.22μF, min. 250V	cURus
			DONGGUAN CHENG DONG (E495826)	MPX	0,1μF or 0.22μF, min. 250V	cURus
			SINHUA (E237560)	MPX	0.1μF or 0.22μF, min. 250V	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
			JYH HSU (JEC) (E356696)	MPX	0.1μF or 0.22μF, min. 250V	cURus
			DONGGUAN YUANSHENG (E522434)	MPX/MKP	0.1μF or 0.22μF, min. 250V	cURus
			Dongguan Qinhong (QNR) (E488626)	MPX	0.1μF or 0.22μF, min. 250V	cURus
			Various	Various	0.1μF or 0.22μF, min. 250V	cURus
4.1 6, 4.1 7a	4.16	Varistor	CHENGDU TIEDA (E334320)	MYN12-331	330V	cURus
				MYN12-471K	470V	cURus
			FENG HUA ADVANCE (E325462)	FNR10K331	330V	UL, CSA
			KESTAR ELECTRONIC (CHINA) (E328106)	MYG10-331	330V	UL, CSA
			DONGGUAN LITTELFUSE ELECTRONICS CO LTD	VDR-10D331K	330V	UL, CSA
				MOV-10D331K	330V	UL, CSA
			EPCOS (ZHUHAI FTZ) CO LTD	(SIOV-) S10K320	320V	UL, CSA
			HONGZHI ENTERPRISES LTD	HEL-10D331K	330V	UL, CSA
			XIAN XIWUER (E321175)	MYD-10K331	330V	cURus
			CAPATRONICS ELECTRONICS (KUNSHAN) CO LTD	CVR10N331	330V	cURus
			NANJING JOCOL ELECTRONICS TECHNOLOGY CO LTD	10D331K	330V	cURus
			CERAMATE TECHNICAL CO LTD (E315429)	GNR10D331K	330V	cURus
				NFV14D331K	330V	cURus
				NFV10D331K	330V	cURus
				GNR14D331K	330V	cURus
			Guangxi New Future (E323753)	10D331K	330V	cURus
			JYA-NAY Co Ltd	10D331K	330V	cURus
			HUIZHOU SONGLONGXINDIAN (E359158)	10D331K	330V	cURus
			DONGGUAN CHENG DONG	CDSPC-10D331	330V	cURus
			THINKING (E314979)	TVR10331	330V	cURus
			CENTRA (E316325)	CNR-10D331K	330V	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
			JYH HSU (JEC) (E486000)	10D331K	330V	cURus
			ZHEJIANG HUANG-YAN SAILING (E329714)	MYG10K331	330V	cURus
			GUANGZHOU YES (E491744)	V-331K-10D, V-331K-10D(E)H	330V	cURus
			Guangdong Huiwan (E480104)	V-331K-10D	330V	cURus
			XIAMEN SET (E322662)	SFV10D331K	330V	cURus
			SONGTIAN ENTERPRISE (E330837)	10D331K	330V	cURus
			Guangdong South Hongming (E321851)	ZVR10D331	330V	cURus
			SHENZHEN CHUANG NA(E477910)	10D331K	330V	cURus
			DONGGUAN CITY JIANKUN (E489693)	10D331K	330V	cURus
			SUZHOU XINHONGGAO (E533900)	HXR 10D331K	330V	cURus
			Dongguan Jiayi (E517636)	JNR 10D331K JNR 10D331KH	330V	cURus
			Fujian Qiaoguang (E507891)	FTR10D331K	330V	cURus
			YU FEI TE (E515299)	YFT 10D331K	330V	cURus
			Luzhou sincerity (E529390)	MYD-10K331	330V	cURus
			Dongguan Qinhong (QNR) Electronics Co., Ltd.(E495834)	QNR-10D331K	330V	cURus
			Various	Various	330V	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
4.1 6, 4.1 7a	4.17	Fuse	HOLLYLAND CO LTD	50F	3.15A, 125/250V, 5×20mm	cURus
				51S	3.15A, 125/250V, 5×20mm	cURus
				5EF	3.15A, 250V.	cURus
			LITTELFUSE INC	618	3.15A, 125/250V, 5×20mm	cURus
			EVER ISLAND ELECTRIC CO LTD & WALTER ELECTRIC	2000	3.15A, 125/250V, 5×20mm	cURus
			SHANGHAI SONGSHAN ELECTRONICS CO LTD	218	3.15A, 125/250V, 5×20mm	cURus
			HOLLYLAND CO LTD	51NM	3.15A, 125/250V, 5×20mm	cURus
			Various	Various	3.15A, 125/250V, 5×20mm, UL recognized fuse used.	cURus
			Shenzhen Lanson Electronics Co., Ltd.	5M series	3.15A, 125/250V, 5×20mm	cURus
				5N series	3.15A, 125/250V, 5×20mm	cURus
			Sunny East Enterprise Co. Ltd.	CEB series	3.15A, 125/250V, 5×20mm	cURus
				SEB series	3.15A, 125/250V, 5×20mm	cURus
			SHANGHAI FULLNESS (E485357)	TSP	3.15A, 250V.	cURus
			DONGGUAN BETTER (E300003)	932	3.15A, 250V.	cURus
			DONGGUAN CHEVRON (E358589)	SET	3.15A, 250V.	cURus
			SUZHOU WALTER (E56092)	2010	3.15A, 250V.	cURus
			CONQUER (E82636)	MST	3.15A, 250V.	cURus
			XC ELECTRONICS (SHENZHEN) (E249609)	5TE	3.15A, 250V.	cURus
			HONG HU BLUELIGHT (E324232)	6ET	3.15A, 250V.	cURus
			XIAMEN SET (E345932)	SPT478	3.15A, 250V	cURus
			SHENZHEN LANSON (E221465)	SMT	3.15A, 250V	cURus
			Various	Various	3.15A, 250V.	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
4.1 6	4.18	Optical Isolators	LITE-ON TECHNOLOGY CORP	MOC-3021 series	Providing 5000V isolation. This component be used together with Item 24 Triacs. For valve, syn. Motor	cURus
			FAIRCHILD SEMICONDUCTOR CORP	MOC3021 series	Providing 3750V isolation. For valve, syn. Motor	cURus
			EVERLIGHT ELECTRONICS CO LTD	EL3021 series	Providing 5000V isolation. For valve, syn. Motor	cURus
				ELT3021 series	Providing 5000V isolation. For valve, syn. Motor	cURus
			SHARP CORP ELECTRONIC COMPONENTS AND DEVICES GROUP	1S3021 series	Providing 5000V isolation. For valve, syn. Motor	cURus
			SHENZHEN ORIENT (E323844)	ORMOC3021S series	Providing 5000V isolation	cURus
			CT Microelectronics Far East (E364000)	CT3021 seires	Providing 5000V isolation. For valve, syn. Motor	URus
			JIEJIE MICROELECTRONICS (Shenzhen) (E521485)	JOC3021 series	Providing 5000V isolation	URus
			JYH CHUNG ELECTRONICS CO LTD	JY	Min 250V, 1.0nF or 2.2nF. 1 piece connected across pri. and sec. by soldering	cURus
			SHENZHEN SONGTE (E302622)	CT7	Min 250V, 1.0nF or 2.2nF. 1 piece connected across pri. and sec. by soldering	cURus
			JYH HSU(JEC)ELECTRONICS LTD	JY Series JD Series	Min 250V, 1.0nF or 2.2nF. 1 piece connected across pri. and sec. by soldering	cURus
			SHANTOU HIGH-NEW TECHNOLOGY (E208107)	CE series CD series	Min 250V, 1.0nF or 2.2nF. 1 piece connected across pri. and sec. by soldering	cURus
			TDK CORPORATION (E37861)	CS, CD	Min 250V, 1.0nF or 2.2nF. 1 piece connected across pri. and sec. by soldering	cURus
			GUANGDONG SOUTH HONGMING (E154899)	F	Min 250V, 1.0nF or 2.2nF. 1 piece connected across pri. and sec. by soldering	cURus
			Guangdong Fenghua (E219015)	CT7-Y1 CT7-Y2	Min 250V, 1.0nF or 2.2nF. 1 piece connected across pri. and sec. by soldering	cURus
			XIAMEN FARATRONIC (E186600)	MKP63	Min 250V, 1.0nF or 2.2nF. 1 piece connected across pri. and sec. by soldering	cURus
			DONGGUAN QINHONG(QNR) (E488626)	CT7	Min. 250V, 1.0nF or 2.2nF. 1 piece connected across pri. and sec. by soldering.	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
4.1 6, 4.1 7a	4.19	Y Capacitor	DONG GUAN CITY JIANKUN (E340699)	JK	Min. 250V, 1.0nF or 2.2nF. 1 piece connected across pri. and sec. by soldering	cURus
			KNSCHA ELECTRONICS (E477850)	JK	Min. 250V, 1.0nF or 2.2nF. 1 piece connected across pri. and sec. by soldering	cURus
			GUANGZHOU YES (E355933)	AR	Min. 250V, 1.0nF or 2.2nF. 1 piece connected across pri. and sec. by soldering.	cURus
			HAOHUA (E233106)	CT7	Min. 250V, 1.0nF or 2.2nF. 1 piece connected across pri. and sec. by soldering.	cURus
			NANJING JINGWEI ELECTRONICS CO LTD	CT7	Min 250V, 1.0nF or 2.2nF. 1 piece connected across pri. and sec. by soldering	cURus
			Murata Manufacturing (E37921)	KJ series SA series	Min 250V, 1.0nF or 2.2nF. 1 piece connected across pri. and sec. by soldering	cURus
			Xiamen Wanming (E221839)	HJ series	Min 250V, 1.0nF or 2.2nF. 1 piece connected across pri. and sec. by soldering	cURus
			XIAMEN SINO FAITH (E328673)	HGX	Min 250V, 1.0nF or 2.2nF. 1 piece connected across pri. and sec. by soldering	cURus
			JYA-NAY CO LTD (E201384)	JY Series	Min 250V, 1.0nF or 2.2nF. 1 piece connected across pri. and sec. by soldering	cURus
			Suzhou Jiarong (E201384))	YB	Min 250V, 1.0nF or 2.2nF. 1 piece connected across pri. and sec. by soldering	cURus
			Various	Various	Min 250V, 1.0nF or 2.2nF. 1 piece connected across pri. and sec. by soldering	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
4.1 6, 4.1 7a	4.20	Switching Transformer	Various	Various	Horizontally installed, vanish impregnated core, thickness 5,3mm by width 20,6mm by length 20,2mm, bobbin min. 1,6mm thickness. Primary winding Ø0,25mm, 90 turns, type MW79, rated min. 155°C, measured 1,0Ω at 12°C. Sec. winding 3 layers insulated wire Ø0,45mm, 14 turns, rated min. 130°C, measured 0,06Ω at 12°C. Vcc winding Ø0,25mm, 18 turns, rated min. 155°C, measured 0,25Ω at 12°C. Class 120.	NR
			FOSHAN SHUNDE WANXIN ELECTRONIC ELECTRICAL CO.,LTD	WX-E19123	Varnish impregnated core, Thickness: 4.8mm by width 19.0mm by height 16.4mm, Thickness of bobbin: Min. 1.0mm. Primary winding: Ø0.18mm×120 turns, Rated Min. 155°C, Measured 2.42Ω at 28°C. Secondary winding: 3 layers insulated wire, Ø0.45mm×15 turns, Rated Min. 130°C, Measured 62.54mΩ at 28°C. Vcc. winding: Ø0.18mm×18 turns, Rated Min. 155°C, Measured: 0.54Ω at 28°C. Class 130 (B). Horizontally secured to PWB by soldering without optical isolater as feedback.	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
4.1 7, 4.1 7a	4.21	Main PWB	NAN YA PLASTICS CORP CCL DEPT ELECTRONIC MATERIAL DIV	CEM-3-86/92/95	1.5mm thickness, V-0, 130°C	URus
			YAT TAO CHEMICAL HOLDINGS (HK) LTD	KH-111F (FR-1)	1.5mm thickness, V-0, 130°C	URus
			SHANGHAI NANYA COPPER CLAD LAMINATES CO	SN-L1	1.5mm thickness, V-0, 130°C	URus
				SN-L2	1.5mm thickness, V-0, 130°C	URus
				SN-P1	1.5mm thickness, V-0, 130°C	URus
				SN-P2	1.5mm thickness, V-0, 130°C	URus
			CHANGZHOU SHUANGJIN	CCEM-1	1.5mm thickness, V-0, 130°C	URus
				CFR-1	1.5mm thickness, V-0, 130°C	URus
			ZHEJIANG WENZHOU TIANCHEN ELECTRONICS	TC-1	1.5mm thickness, V-0, 130°C	URus
			SHANDONG JINBAO	ZD-90F	1.5mm thickness, V-0, 130°C	URus
				ZD-98F	1.5mm thickness, V-0, 130°C	URus
			Cixi Qingbao Electronic (E321750)	FR1	1.5mm thickness, V-0, 130°C	cURus
			CHANGZHOU KELONG (E248439)	JC-2	1.5mm thickness, V-0, 130°C	URus
			Various	Various	1.5mm thickness, V-0, 130°C	URus
			Hangzhou Baolin (E207143)	BL1	1.5mm thickness Min. Flammability, V-0.	URus
			Wenzhou Inttli (E306392)	inttli02	1.5mm thickness Min. Flammability, V-0.	URus
			Hangzhou Linan Pengyu (E229910)	PY-2	1.5mm thickness, V-0.	URus
			ZHEJIANG CORE POINT (E477843)	XT-02	Thickness: 1.5mm, V-0, 130°C	cURus
			Jiangxi Fan Li Sheng (E471141)	YFL-D, FLS-D	Thickness: 1.5mm, V-0, 130°C	URus
			Xian Xidian Electrical Co., Ltd. (E109783)	XJ-339	1.5mm thickness, V-0.	URus
				SB-338F	1.5mm thickness, V-0.	URus
				CEPGC-31	1.5mm thickness, V-0.	URus
			KINGBOARD (E123995)	KB series	1.5mm thickness, V-0.	URus
			Guangde Yingfeite (E466867)	YFT2	1.5mm thickness, V-0.	cURus
			Zhejiang Yunkai (E466488)	YKPCB-2	1.5mm thickness, V-0.	cURus
			JIANGSU ZHONGSHUN (E512075)	ZS-SD	1.5mm thickness, V-0.	cURus
			Anhui Dongou (E473856)	SY-S, SYDZ520	1.5mm thickness, V-0, 130°C.	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
			Guangde anbang (E500792)	AB-S	1.5mm thickness, V-0, 130°C.	cURus
			SHANGHAI GLOBAL (E224772)	ILM-R1	Thickness: 1.5mm, V-0, 130°C	URus
			GOLDENMAX (ZHUHAI) (E330731)	ILM-R1	Thickness: 1.5mm, V-0, 130°C	URus
			GOLDENMAX (HANGZHOU) (E134893)	ILM-R1	Thickness: 1.5mm, V-0, 130°C	URus
			SHENZHEN STARIVER (E258603)	SR-01A	Thickness: 1.5mm, V-0, 130°C	URus
			Viafine PCB Ltd(E466925)	VF-D	Thickness: 1.5mm, V-0, 130°C	URus
			SHENZHEN TONGCHUANGXI N (E250336)	TCX, TCX-2	Thickness: 1.5mm, V-0, 130°C	URus
			SHENZHEN ZHONG LUO (E255554)	ZL-02	Thickness: 1.5mm, V-0, 130°C	URus
			Jiangxi Dongxun Precision (E530605)	DX-D	Thickness: 1.5mm, V-0, 130°C	URus
			Sui Ning Rui Jie Xing (E493761)	RJX-D	Thickness: 1.5mm, V-0, 130°C	URus
4.1 0e	4.22	Self-priming water pump (optional)	DUOJIA KEJI	DJGM-2	DC12V, 5W. Optional for self-priming models.	NR
			Ningbo Hebang Motor	DJGM-2	DC12V, 5W. Optional for self priming models.	NR
4.1 0a, 4.1 0la	4.23	Water-inlet valve (optional)	Various	Various	DC12V. Optional for external water supply models.	NR
4.2 2	4.24	Ice pushing motor	NINGBO HICON	RY-CJY-616330-0006A	120V, 60Hz, 12W, T.P	See 5.0
4.2 2	4.24 a	Ice pushing motor (Not shown)	NINGBO HICON	RY-CJY-616335-0008T	120V, 60Hz, 24W, T.P	See 5.0
4.2 2	4.24 b	Ice pushing motor (Not shown)	NINGBO HICON	RY-CJY-616335-0009L	120V, 60Hz, 19W, T.P, AL Magnet wire	See 5.0
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.						
4) Item 4.1-4.24 are specially used for models HZB-**N, **NA, **NB, **AN, **BN, **CN, **DN series.						