

1.0 Reference and Address			
Report Number	SH10080445-001	Original Issued: 8-Sep-2010	Revised: 16-Jul-2025
Standard(s)	Household and Similar Electrical Appliances - Safety - Part 2-24: Particular Requirements for Refrigerating Appliances, Ice-Cream Appliances and Ice-Makers [UL 60335-2-24:2022 Ed.3+R:29Feb2024] Household And Similar Electrical Appliances, Part 1: General Requirements [UL 60335-1:2016 Ed.6] Household and Similar Electrical Appliances - Safety - Part 2-24: Particular Requirements for Refrigerating Appliances, Ice-Cream Appliances and Ice-Makers [CSA C22.2#60335-2-24:2022 Ed.3+U1] Safety of Household and Similar Appliances - Part 1: General Requirements [CSA C22.2#60335-1:2016 Ed.2]		
Applicant	Ningbo Hicon Industry Technology Co., Ltd.	Manufacturer 1	Ningbo Hicon Industry Technology Co., Ltd.
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2.0 Product Description	
Product	Ice Maker/26LB. COUNTERTOP ICE MAKER
Brand name	HICON, Antarctic Star, AGLUCKY, R.W.FLAME, Kismile, Kndko, Joy Pebble, COWSAR, Free Village, Electactic, ZAFRO, KISSAIR, WAA, AMBIANO
Description	The products covered by this report are Ice Makers for household use. Each of them is cord-connected type with a recognized mold-on grounding plug and intended to be connected to 115V, 60Hz.
Models	HZB-12/A, HZB-12/SA, HZB-12/B, HZB-12/SB, HZB-12/C, HZB-12/H, HZB-12/SH, HZB-12/B-W, HZB-12/SB-W, HZB-12/G, HZB-12/SG, HZB-12/A-W, HZB-12/SA-W, HZB-12/C-W, HZB-12/H-W, HZB-12/SH-W, HZB-12/G-W, HZB-12/SG-W, HZB-12/K, HZB-12/J, HZB-12/SJ, HZB-15A, HZB-15SA, HZB-15B, HZB-15SB, HZB-15C, HZB-12/Q, ICE CUBE MACHINE HZB-12/B, HZB-12/U
Model Similarity	The models HZB-12/A and HZB-12/SA are identical with each other, except for their enclosure materials. HZB-12/A is enclosed by plastic while HZB-12/SA is enclosed by stainless steel. The model HZB-12/B shares similar construction with HZB-12/A, except that the enclosure size of HZB-12/B is smaller than that one of HZB-12/A. The models HZB-12/B and HZB-12/SB are identical with each other, except for their enclosure materials. HZB-12/B is enclosed by plastic while HZB-12/SB is enclosed by stainless steel. Model HZB-12/C is the variant model of HZB-12/B, they share the same refrigerating system, except the appearance. The enclosure material used on HZB-12/C is plastic. Model HZB-12/H share the same refrigerating system and electrical components with model HZB-12A, except the appearance. Model HZB-12/SH is similar with HZB-12/H, except the enclosure material used on HZB-12/SH is stainless steel. Models HZB-12/G, HZB-12/SG, HZB-12/K, HZB-12/J, HZB-12/SJ are respectively similar with models HZB-12/H, HZB-12/SH, they share the same refrigerating system and electrical components, except the appearance. Models with suffix "-W" are respectively similar with models without suffix "-W", except that models with suffix "-W" have additional wireless connected function with updated control PWB. HZB-15A, HZB-15SA, HZB-15B, HZB-15SB, HZB-15C are extended from HZB-12/A, HZB-12/SA, HZB-12/B, HZB-12/SB, HZB-12/C, they share the same electrical construction, except the ice making capacity. HZB-12/U is extended from HZB-12/Q, they share the similar electrical construction, except the appearance.

2.0 Product Description	
Ratings	115V~, 60Hz; HZB-12/A, HZB-12/SA, HZB-12/A-W, HZB-12/SA-W (equipped with compressor QD28H11, L30H5L or QD30H11G): Ice-making current: 1.5A, Ice-harvest current: 2.0A, R134a/2.25Oz(64g). HZB-12/A, HZB-12/SA, HZB-12/A-W, HZB-12/SA-W (equipped with compressor B30H5 or MV3011H): 115V, 60Hz, Ice-making current: 1.7A, Ice-harvest current: 2.1A, R134a/2.25Oz(64g). HZB-12/A, HZB-12/SA, HZB-12/A-W, HZB-12/SA-W (equipped with compressor L48C5L or HD48Y11A or TK48C5 or HV48Y11A or BLC48AD or M43C5L or UKN43YA or TK48C5s): 115V, 60Hz, Ice-making current: 1.7A, Ice-harvest current: 2.0A, R600a/0.81Oz(23g) (with 7mm condenser coil), R600a/0.67Oz(19g) (with 5mm condenser coil). HZB-12/B, HZB-12/SB, HZB-12/C, HZB-12/B-W, HZB-12/SB-W, HZB-12/C-W, ICE CUBE MACHINE HZB-12/B (equipped with compressor L48C5L or HD48Y11A or TK48C5 or HV48Y11A or BLC48AD or M43C5L or UKN43YA or TK48C5s): 115V, 60Hz, Ice-making current: 1.7A, Ice-harvest current: 2.0A, R600a/0.74Oz(21g) (with 7mm condenser coil), R600a/0.60Oz(17g) (with 5mm condenser coil). HZB-12/H, HZB-12/SH, HZB-12/G, HZB-12/SG, HZB-12/H-W, HZB-12/SH-W, HZB-12/G-W, HZB-12/SG-W, HZB-12/K, HZB-12/J, HZB-12/SJ (equipped with compressor L48C5L or HD48Y11A or TK48C5 or HV48Y11A or BLC48AD or M43C5L or UKN43YA or TK48C5s): 115V, 60Hz, Ice-making current: 1.5A, Ice-harvest current: 1.8A, R600a/0.74Oz(21g) (with 7mm condenser coil), R600a/0.60Oz(17g) (with 5mm condenser coil). HZB-15A, HZB-15SA (equipped with compressor MD30UA): 115V, 60Hz, R290/0.99Oz(28g), Ice-making current: 2.0A, Ice-harvest current: 2.2A. HZB-15B, HZB-15SB, HZB-15C (equipped with compressor MD30UA): 115V, 60Hz, R290/0.92Oz(26g), Ice-making current: 2.0A, Ice-harvest current: 2.2A. HZB-12/Q, HZB-12/U (equipped with compressor L48C5L or HD48Y11A or TK48C5 or HV48Y11A or BLC48AD or M43C5L or UKN43YA or TK48C5s): 115V, 60Hz, Ice-making current: 1.6A, Ice-harvest current: 2.0A, R600a/0.56Oz(16g)
Other Ratings	High side pressure: 290 psig, low side pressure: 88 psig.

3.0 Product Photographs

Photo 1 - Front view - HZB-12/A

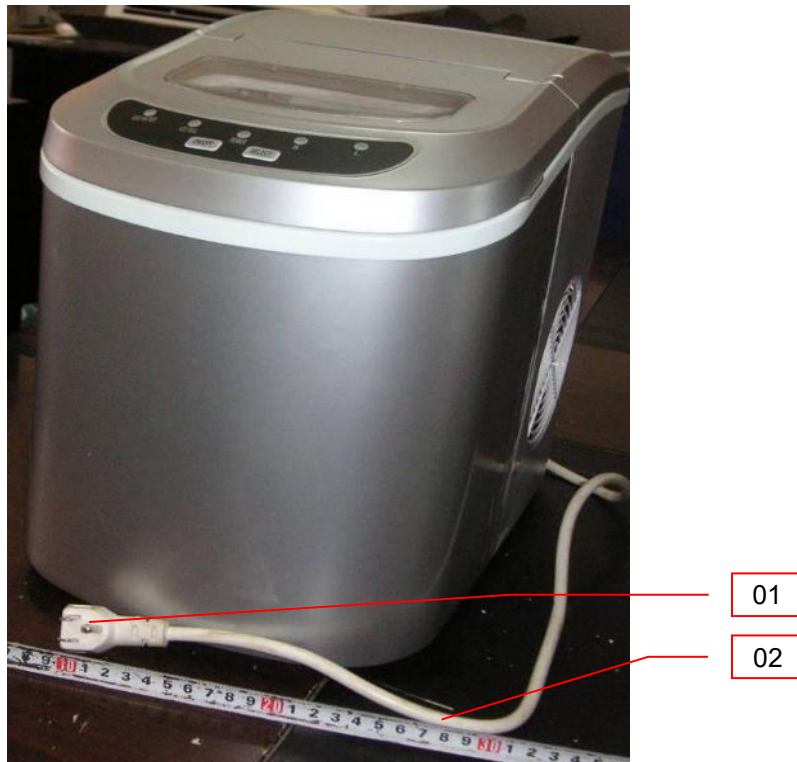
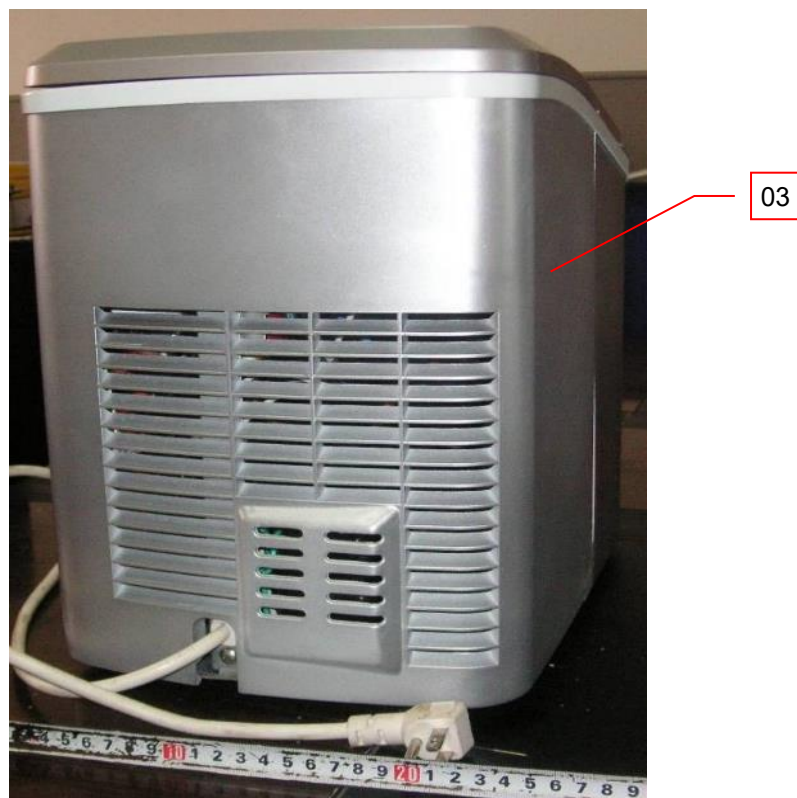


Photo 2 - Rear view - HZB-12/A



3.0 Product Photographs

Photo 2A - Alternative panel - HZB-12/A



Photo 2B - Alternative panel (Touch panel) - HZB-12/A



3.0 Product Photographs

Photo 2C - Overall view - HZB-12/B, HZB-12/B-W



Photo 2D - Overall view - HZB-12/B, HZB-12/B-W



3.0 Product Photographs

Photo 2E - Alternative console panel - HZB-12/B



Photo 2EA - Open lid view with white appearance colour - HZB-12/B, HZB-12/B-W



3.0 Product Photographs

Photo 2EB - Overall view - HZB-12/SB, HZB-12/SB-W



Photo 2EC - Overall view - HZB-12/SB, HZB-12/SB-W



3.0 Product Photographs

Photo 2ED - Overall view - HZB-12/SB, HZB-12/SB-W



Photo 2EE - Overall view - HZB-12/SB



3.0 Product Photographs

Photo 2EF - Alternative console panel - HZB-12/B and HZB-12/SB



Photo 2EG - Alternative console panel - HZB-12/B and HZB-12/SB



3.0 Product Photographs

Photo 2EH - Alternative console panel - HZB-12/B and HZB-12/SB



Photo 2EI - Alternative overall view - HZB-12/SB, HZB-12/SB-W



3.0 Product Photographs

Photo 2EJ - Alternative console panel - HZB-12/B and HZB-12/SB



Photo 2EK - Alternative overall view - HZB-12/B, HZB-12/B-W



3.0 Product Photographs

Photo 2EL - Top view - HZB-12/B-W, HZB-12/SB-W



3.0 Product Photographs

Photo 2F - Overall view with alternative pattern - HZB-12/A, HZB-12/SA



Photo 2G - Overall view with alternative pattern - HZB-12/A, HZB-12/SA



3.0 Product Photographs

Photo 2H - Overall view with alternative pattern - HZB-12/A, HZB-12/SA



Photo 2I - Overall view with alternative pattern - HZB-12/A, HZB-12/SA



3.0 Product Photographs

Photo 2J - Overall view with alternative pattern - HZB-12/A, HZB-12/SA



Photo 2K - Overall view with alternative pattern - HZB-12/A, HZB-12/SA



3.0 Product Photographs

Photo 2L - Alternative operation panel - HZB-12/A, HZB-12/SA



Photo 2M - Alternative operation panel - HZB-12/A, HZB-12/SA



3.0 Product Photographs

Photo 2N - Overall view with alternative console panel - HZB-12/SA



Photo 2O - Alternative console panel - HZB-12/SA



3.0 Product Photographs

Photo 2P - Rear cover view - HZB-12/SA



Photo 2Q - Front view - HZB-12/C



3.0 Product Photographs

Photo 2QA - Rear view - HZB-12/C



Photo 2QB - Side view - HZB-12/C



3.0 Product Photographs

Photo 2QC - Side view - HZB-12/C



Photo 2QD - Top view - HZB-12/C



3.0 Product Photographs

Photo 2R - Alternative General view - HZB-12/H



Photo 2RA - Rear view - HZB-12/H



3.0 Product Photographs

Photo 2RB - Side view - HZB-12/H



Photo 2RC - Side view - HZB-12/H



3.0 Product Photographs

Photo 2RD - General view - HZB-12/SH



Photo 2RE - Rear view - HZB-12/SH



3.0 Product Photographs

Photo 2RF - Side view - HZB-12/SH



Photo 2RG - Side view - HZB-12/SH



3.0 Product Photographs

Photo 2RH - Top view - HZB-12/SH



Photo 2S - General view - HZB-12/G



3.0 Product Photographs

Photo 2SA - Rear view - HZB-12/G



Photo 2SB - Side view - HZB-12/G



3.0 Product Photographs

Photo 2SC - Side view - HZB-12/G



Photo 2SD - General view - HZB-12/SG



3.0 Product Photographs

Photo 2SE - Rear view - HZB-12/SG



Photo 2SF - Side view - HZB-12/SG



3.0 Product Photographs

Photo 2SG - Side view - HZB-12/SG



Photo 2SH - Top view - HZB-12/SG



3.0 Product Photographs

Photo 2SI - Bottom view - HZB-12/SG



Photo 2SJ - Storage compartment view - HZB-12/G and HZB-12/SG



3.0 Product Photographs

Photo 2SK - Overall view with alternative pattern - HZB-12/G, HZB-12/SG



Photo 2SL - Overall view with alternative pattern - HZB-12/G, HZB-12/SG



3.0 Product Photographs

Photo 2T - General view - HZB-12/K



Photo 2TA - Side view - HZB-12/K



3.0 Product Photographs

Photo 2TB - Rear view - HZB-12/K



Photo 2TC - Top view - HZB-12/K



3.0 Product Photographs

Photo 2U - General view - HZB-12/J



Photo 2UA - Side view - HZB-12/J



3.0 Product Photographs

Photo 2UB - Rear view - HZB-12/J



Photo 2UC - Top view - HZB-12/J



3.0 Product Photographs

Photo 2UD -General view - HZB-12/Q



Photo 2UE - Side view - HZB-12/Q



3.0 Product Photographs

Photo 2UF - Rear view - HZB-12/Q



Photo 2UG - Bottom view - HZB-12/Q



3.0 Product Photographs

Photo 2UH - Top view - HZB-12/Q



3.0 Product Photographs

Photo 2VA - General view - HZB-12/U



Photo 2VB - Rear view - HZB-12/U

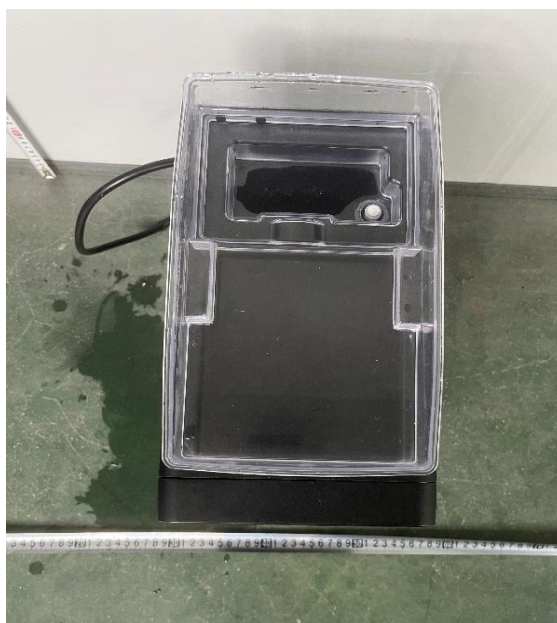


3.0 Product Photographs

Photo 2VC - Side view - HZB-12/U



Photo 2VD - Top view - HZB-12/U



3.0 Product Photographs

Photo 2VE - Alternative top view without top water tank- HZB-12/U



3.0 Product Photographs

Photo 3 - Internal view - HZB-12/A, HZB-12/SA

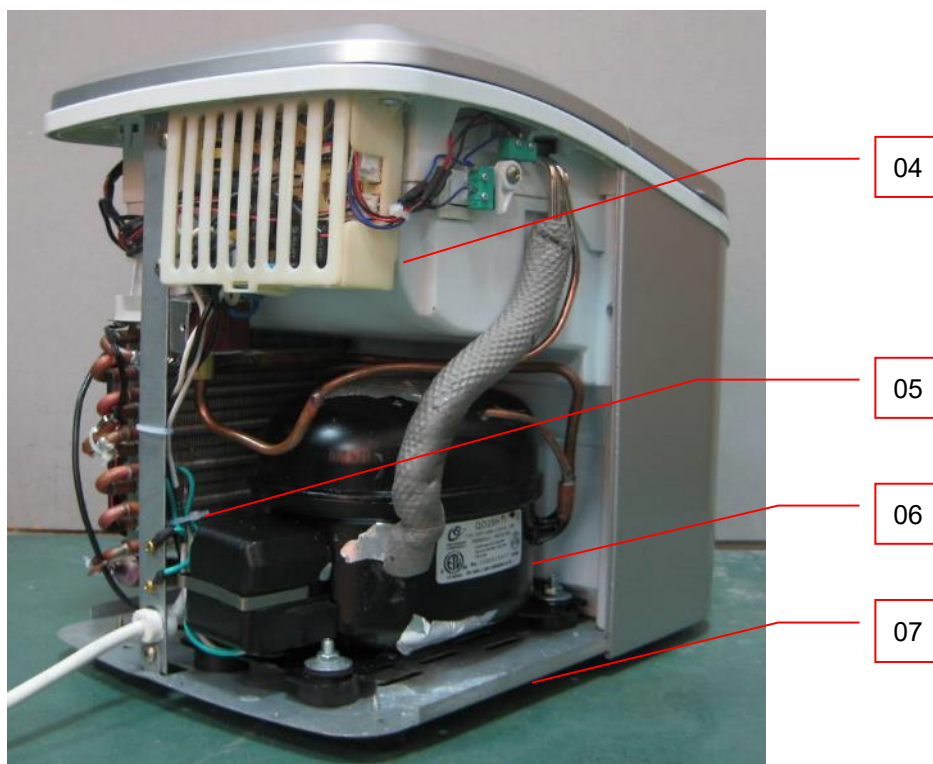
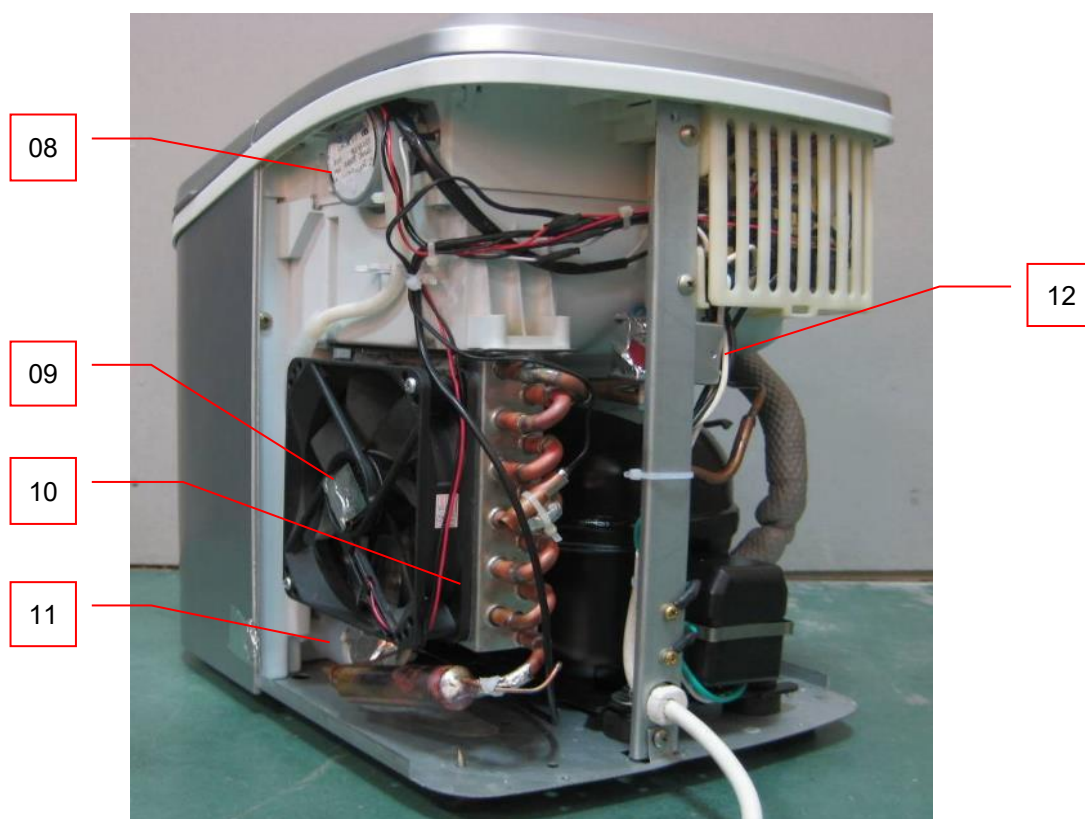


Photo 4 - Internal view - HZB-12/A, HZB-12/SA



3.0 Product Photographs

Photo 4A - Internal view - HZB-12/B



Photo 4B - Internal view - HZB-12/B



3.0 Product Photographs

Photo 4C - Internal view - HZB-12/C



Photo 4D - Internal view - HZB-12/C



3.0 Product Photographs

Photo 4E - Internal view - HZB-12/C



Photo 4F - Internal view - HZB-12/H



3.0 Product Photographs

Photo 4FA - Internal view - HZB-12/H

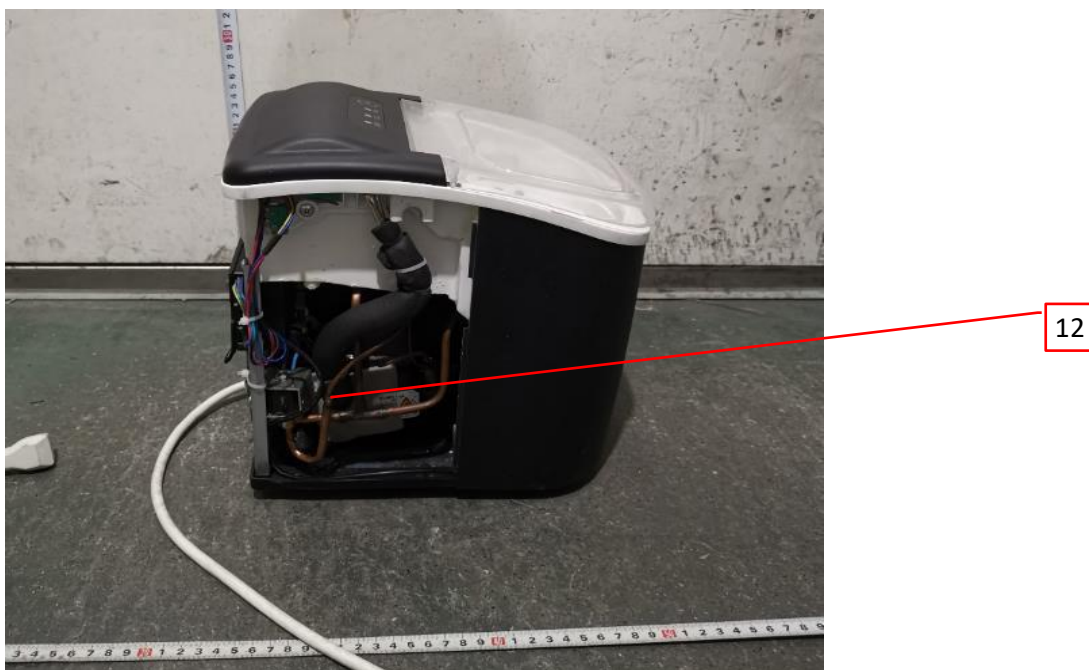


Photo 4FB - Internal view - HZB-12/H and HZB-12/SH



3.0 Product Photographs

Photo 4FC - Internal view - HZB-12/G and HZB-12/SG

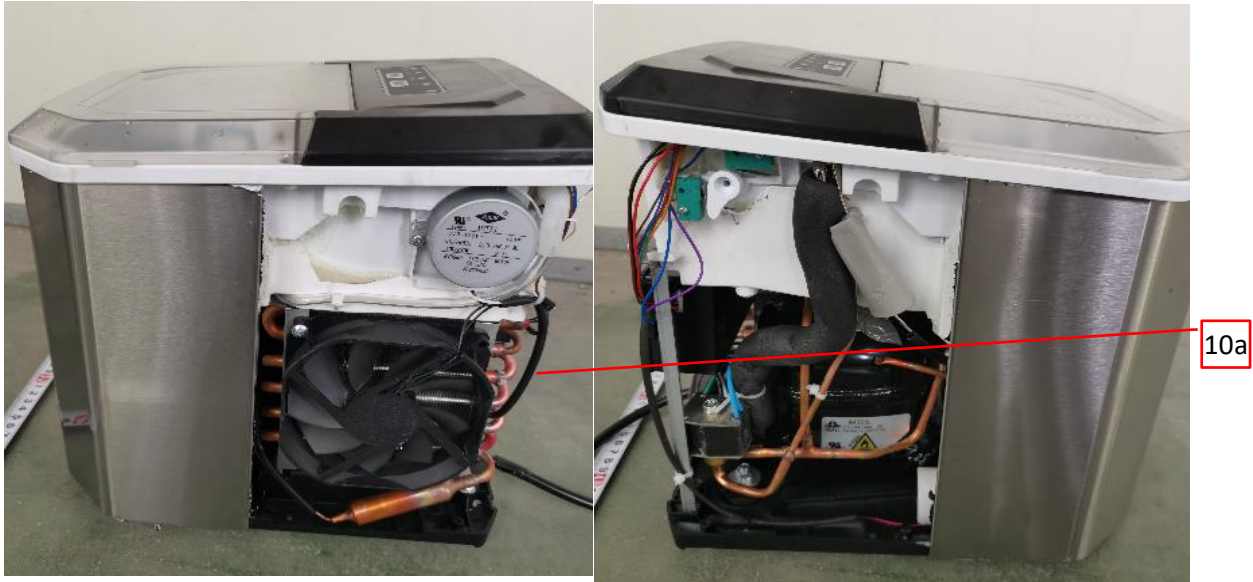


Photo 4FD - Internal view - HZB-12/G and HZB-12/SG



3.0 Product Photographs

Photo 4FE - Internal view - HZB-12/Q

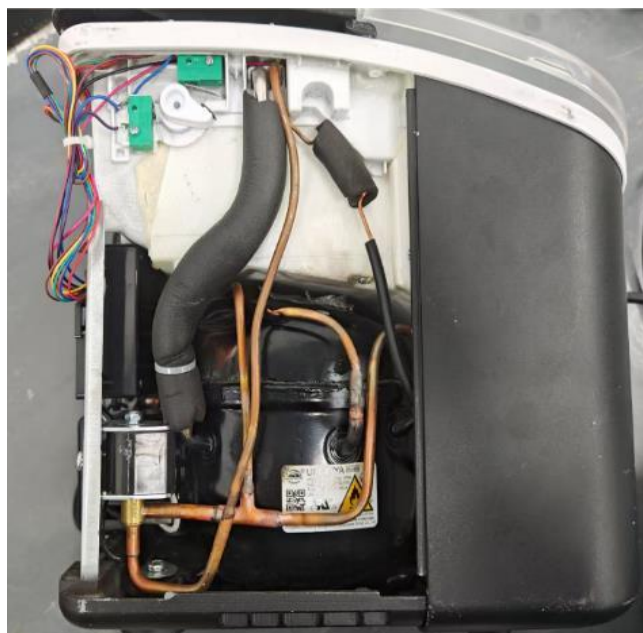
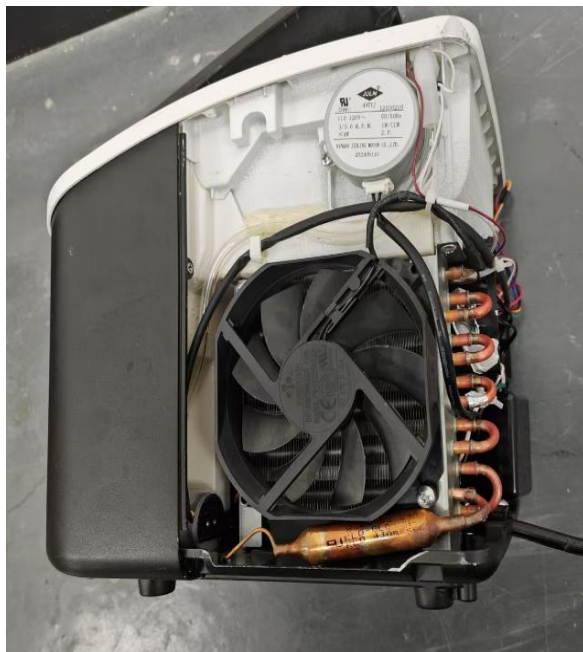
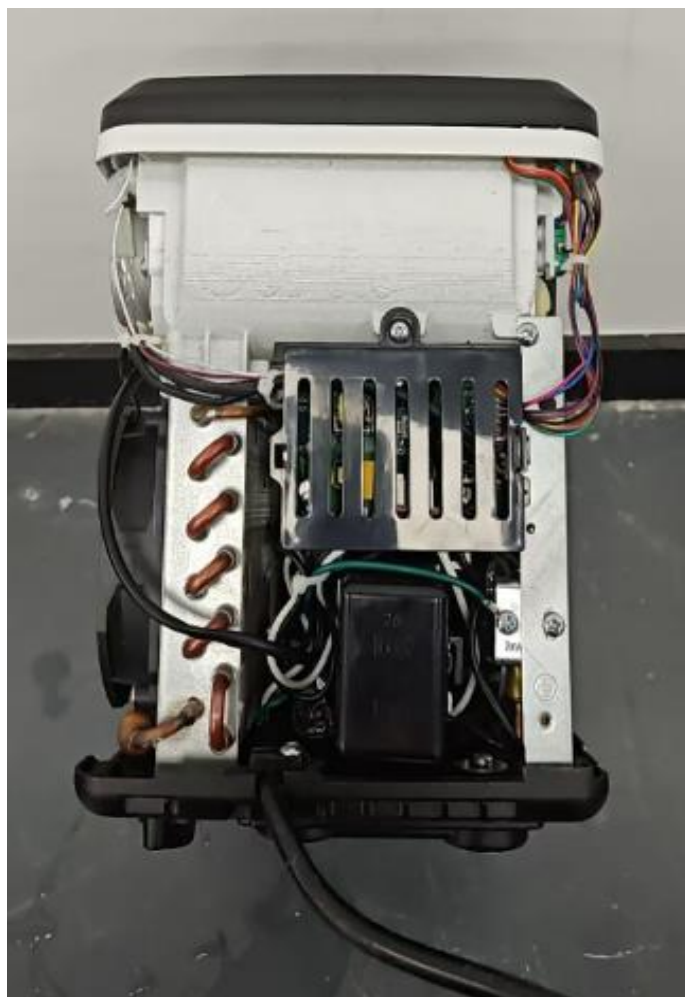


Photo 4FF - Internal view - HZB-12/Q



3.0 Product Photographs

Photo 4FG - Internal view with top cover removed - HZB-12/Q



3.0 Product Photographs

Photo 4GA - Internal view - HZB-12/U



Photo 4GB - Internal view - HZB-12/U

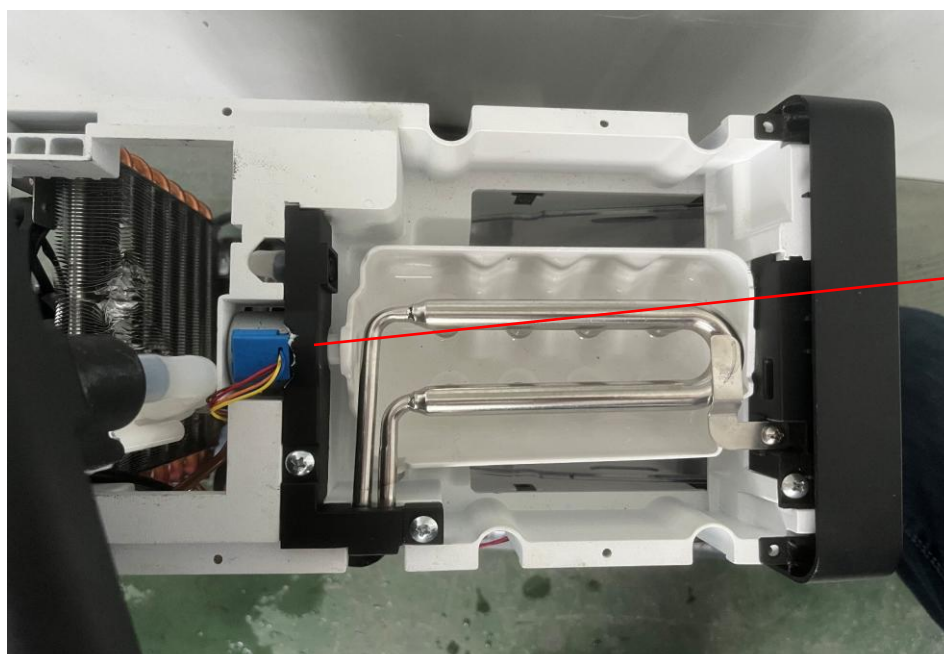


3.0 Product Photographs

Photo 4GC - Internal view - HZB-12/U



Photo 4GD - Internal view - HZB-12/U



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3.0 Product Photographs

Photo 12A - Front View of Promoted Main PWB

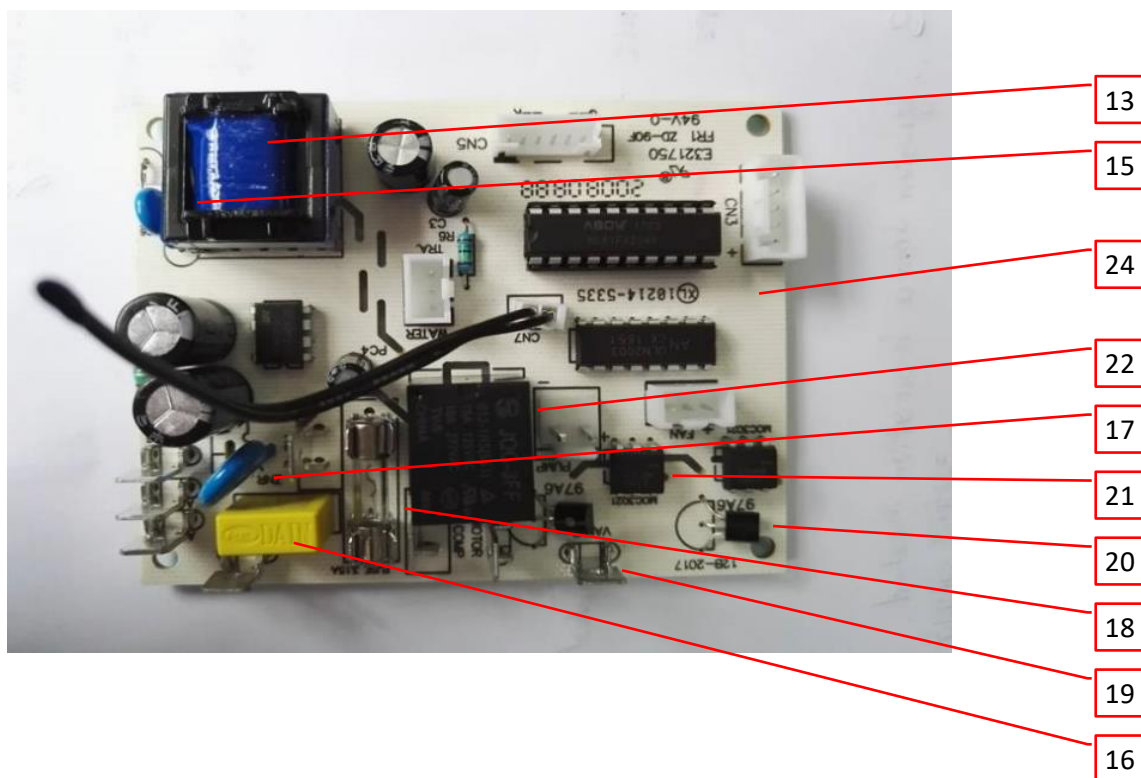


Photo 12B - Rear View of Promoted Main PWB



3.0 Product Photographs

Photo 12BA -Alternative View of Promoted Main PWB

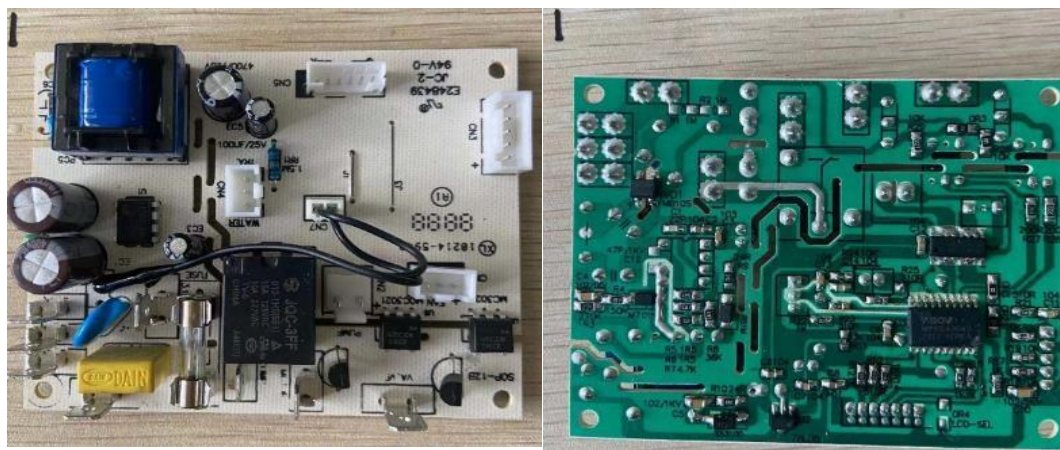
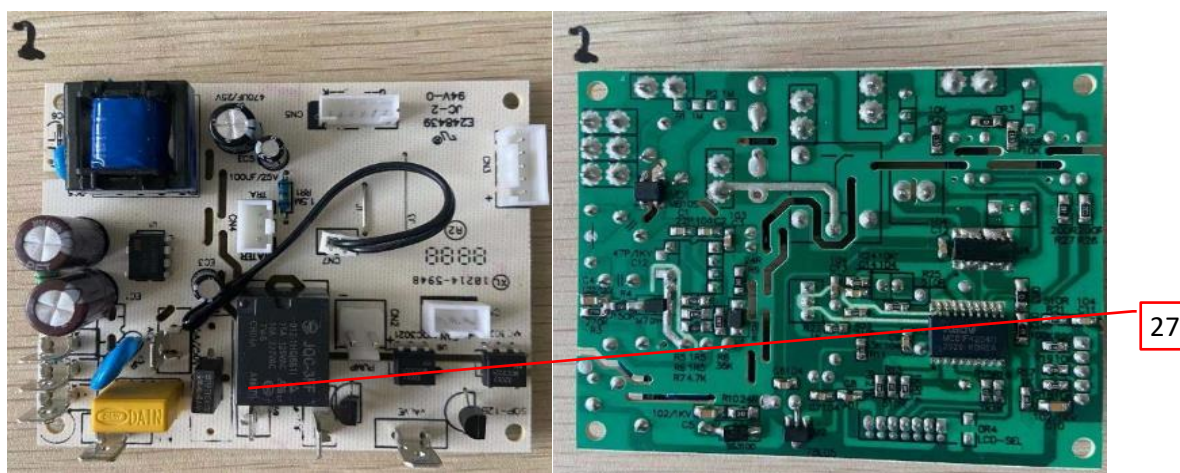


Photo 12BB -Alternative View of Promoted Main PWB



3.0 Product Photographs

Photo 12BC -Alternative View of Promoted Main PWB

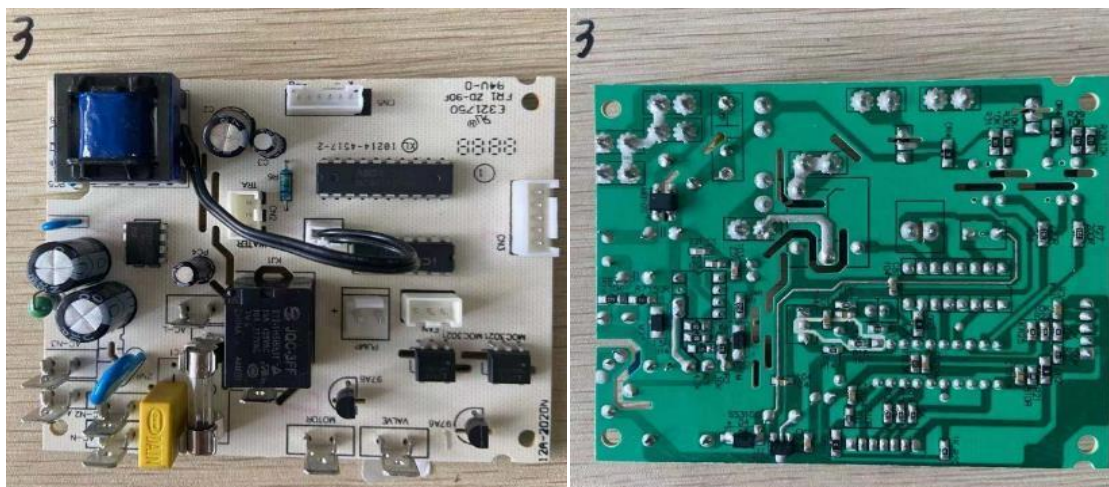


Photo 12BD -Alternative View of Promoted Main PWB

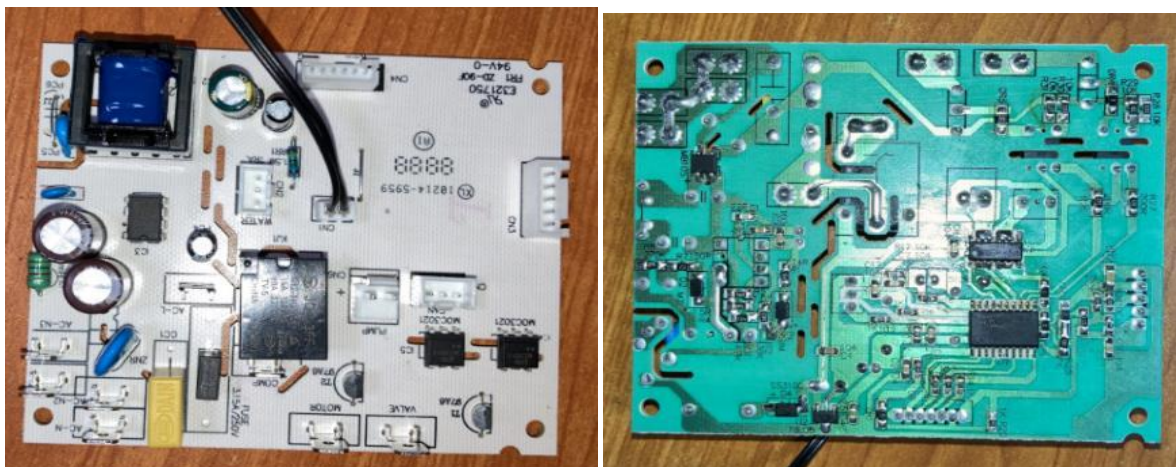
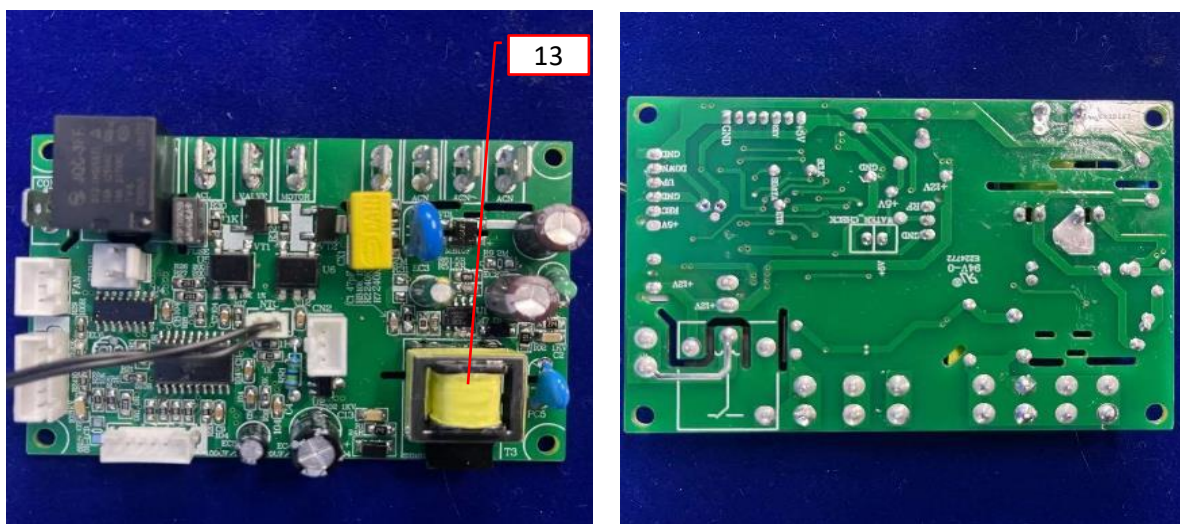


Photo 12BE -Alternative View of Promoted Main PWB



3.0 Product Photographs

Photo 12BF -Alternative View of Promoted Main PWB



Photo 12BG -Alternative View of Promoted Main PWB

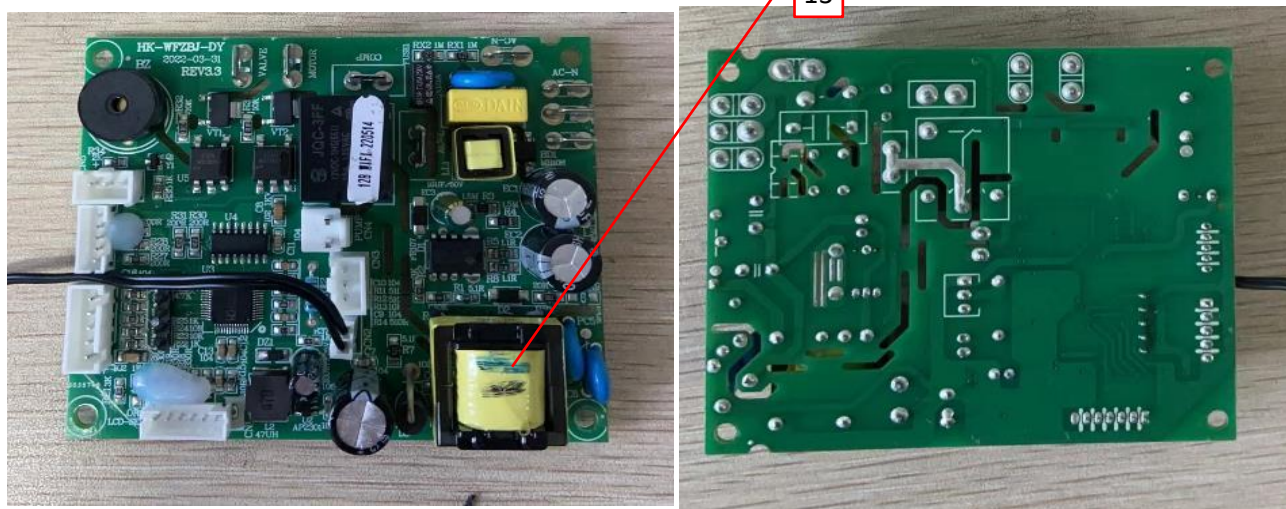


Photo 12BH -Alternative View of Promoted Main PWB



3.0 Product Photographs

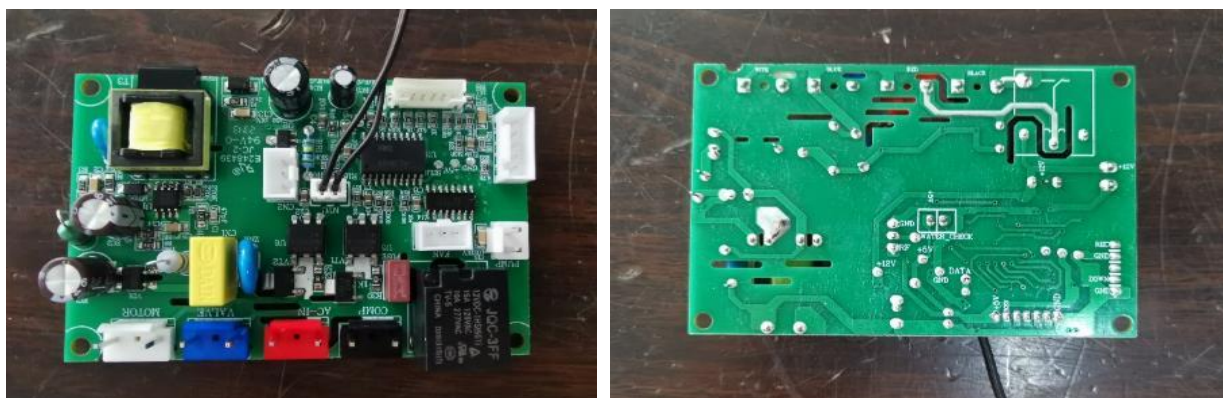
Photo 12BI -Alternative View of Promoted Main PWB



Photo 12BJ -Alternative View of Promoted Main PWB



Photo 12BK -Alternative View of Promoted Main PWB

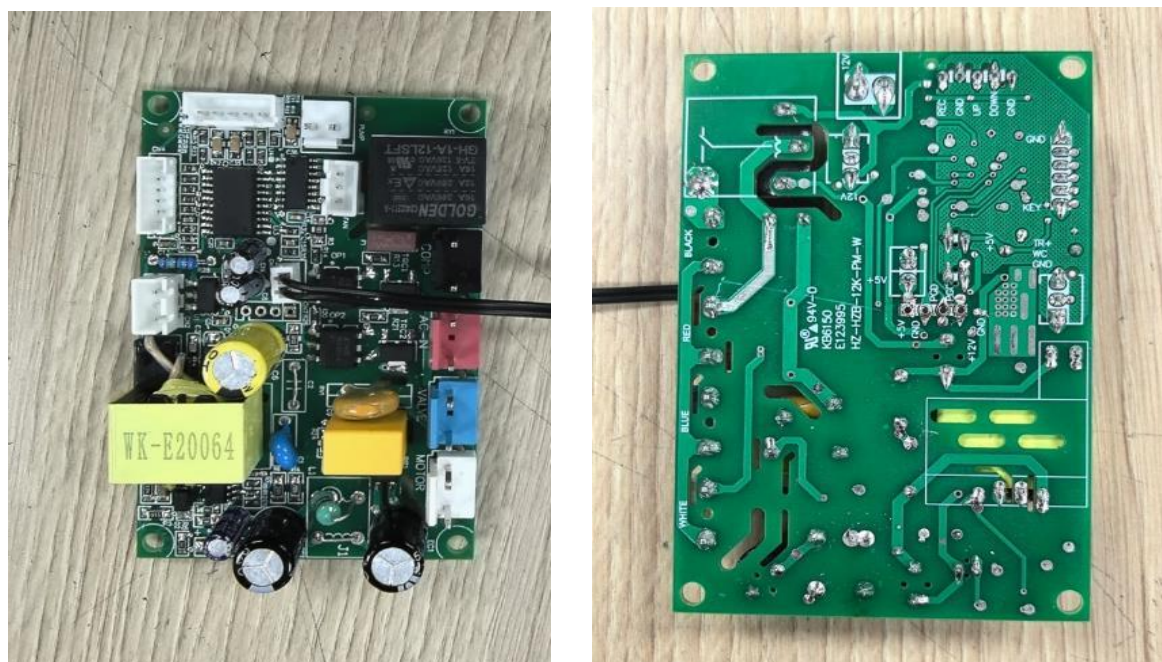


3.0 Product Photographs

Photo 12BL -Alternative View of Promoted Main PWB



Photo 12BM -Alternative View of Promoted Main PWB



3.0 Product Photographs

Photo 12BN -Alternative View of Promoted Main PWB



Photo 12BO -Alternative View of Promoted Main PWB

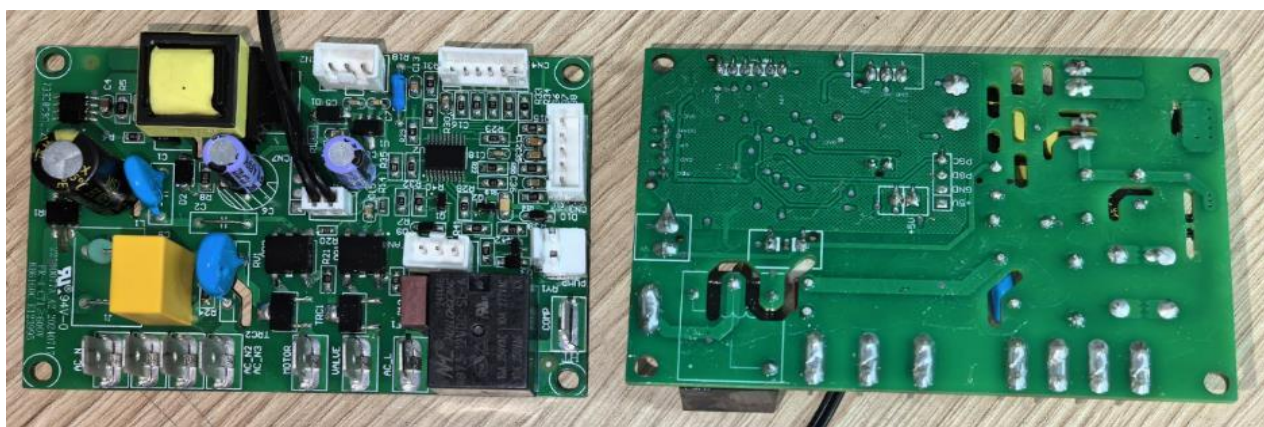


Photo 12BP -Alternative View of Promoted Main PWB



3.0 Product Photographs

Photo 12BQ -Alternative View of Promoted Main PWB

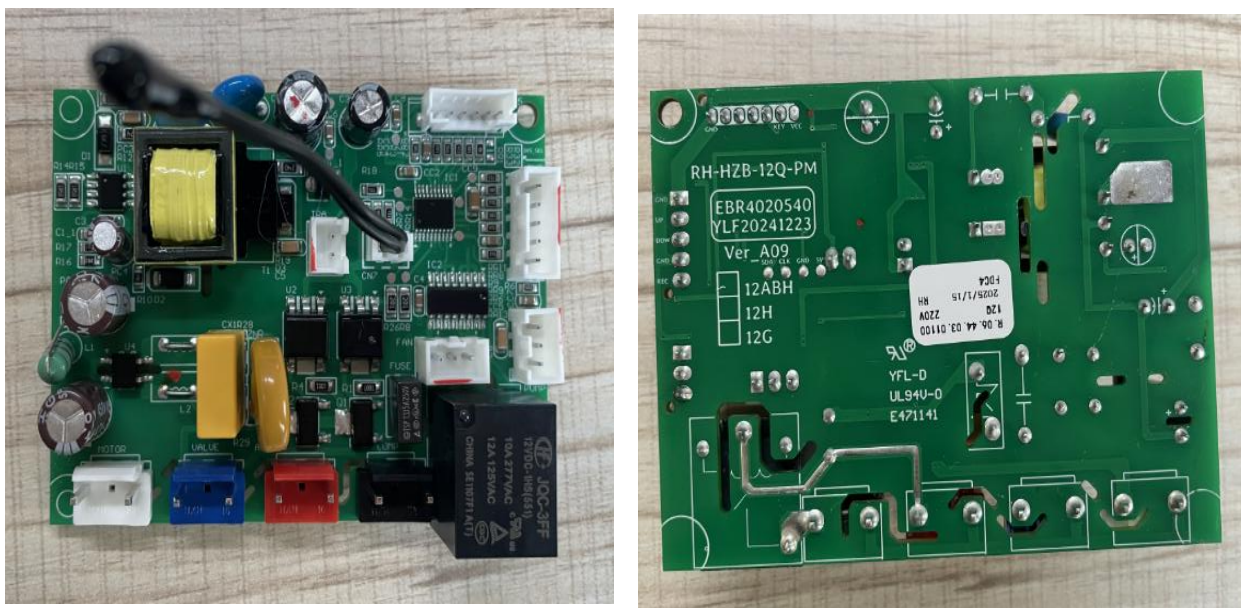


Photo 12BR -Alternative View of Promoted Main PWB

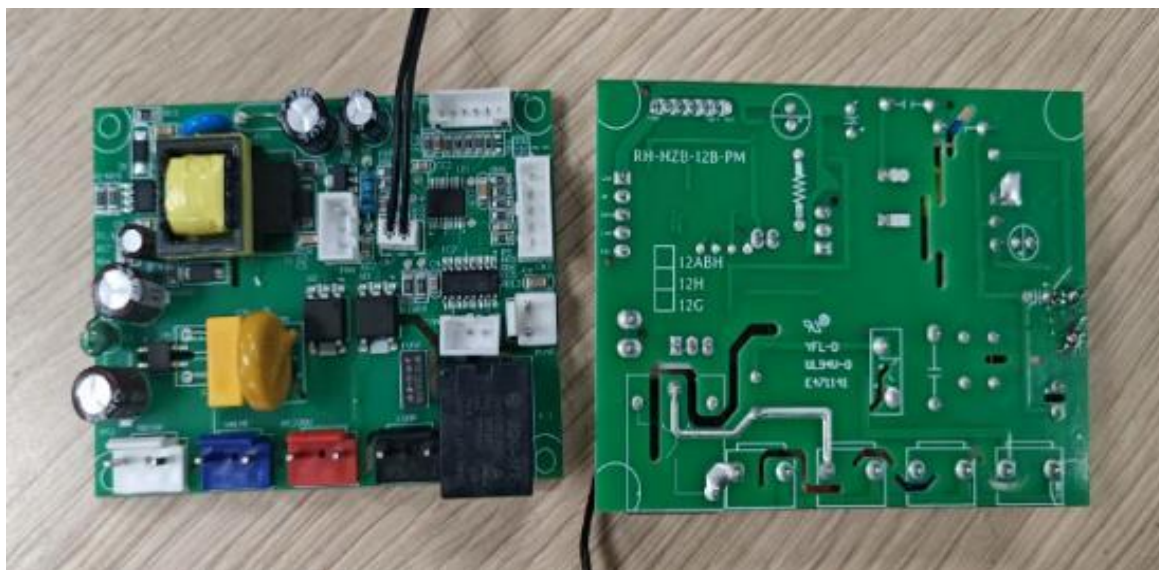


Photo 12BS -Alternative View of Promoted Main PWB



3.0 Product Photographs

Photo 12BT -Alternative View of Promoted Main PWB



Photo 12BU -Alternative View of Promoted Main PWB



3.0 Product Photographs

Photo 12BV -Alternative View of Promoted Main PWB



Photo 12BW -Alternative View of Promoted Main PWB



3.0 Product Photographs

Photo 12C - Front view of Display and control PWB (LCD)

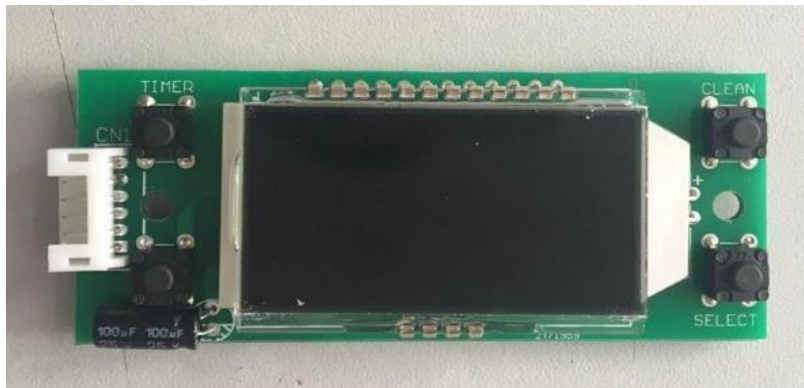
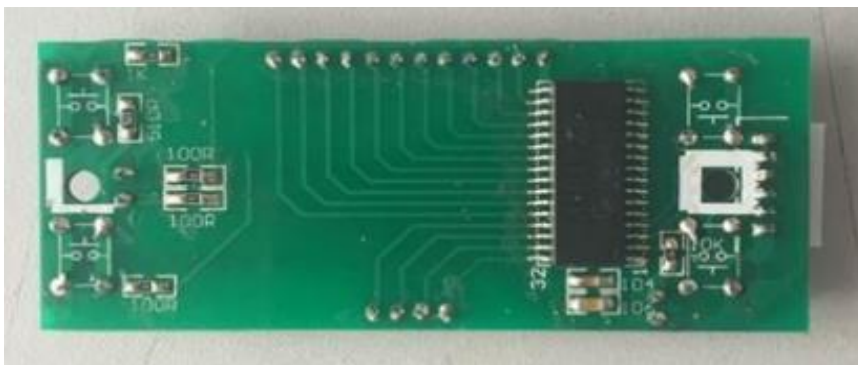


Photo 12D - Rear view of Display and control PWB (LCD)



3.0 Product Photographs

Photo 12E - Alternative display and control PWB (LED) - HZB-12/A, HZB-12/SA

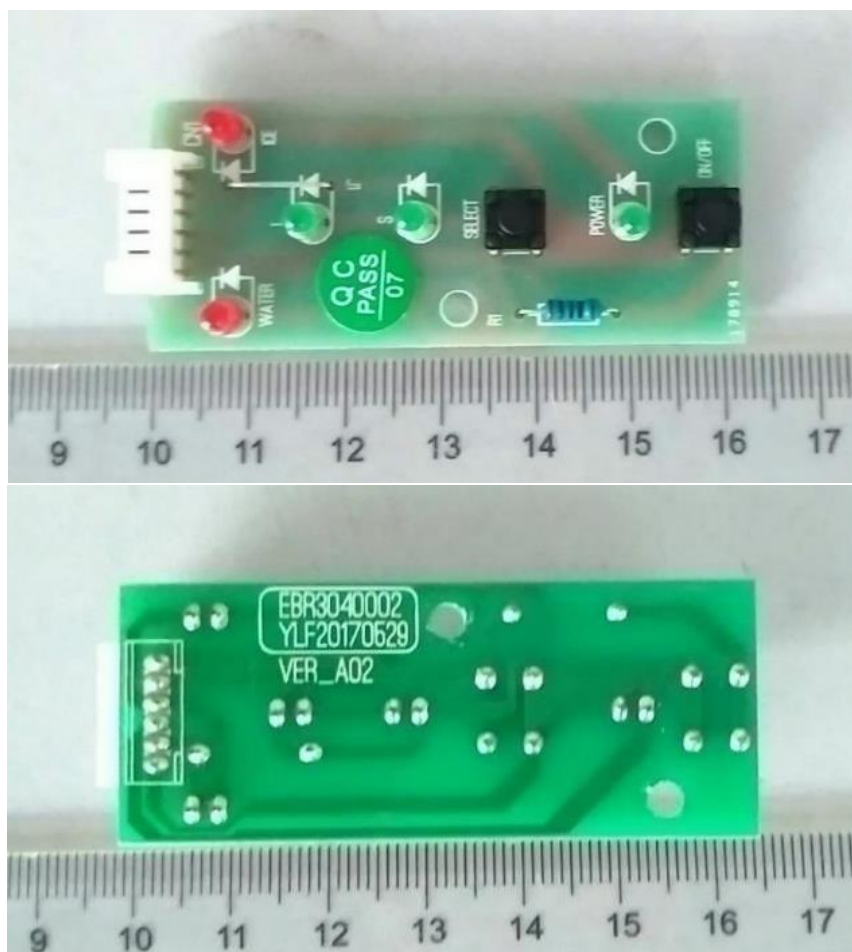
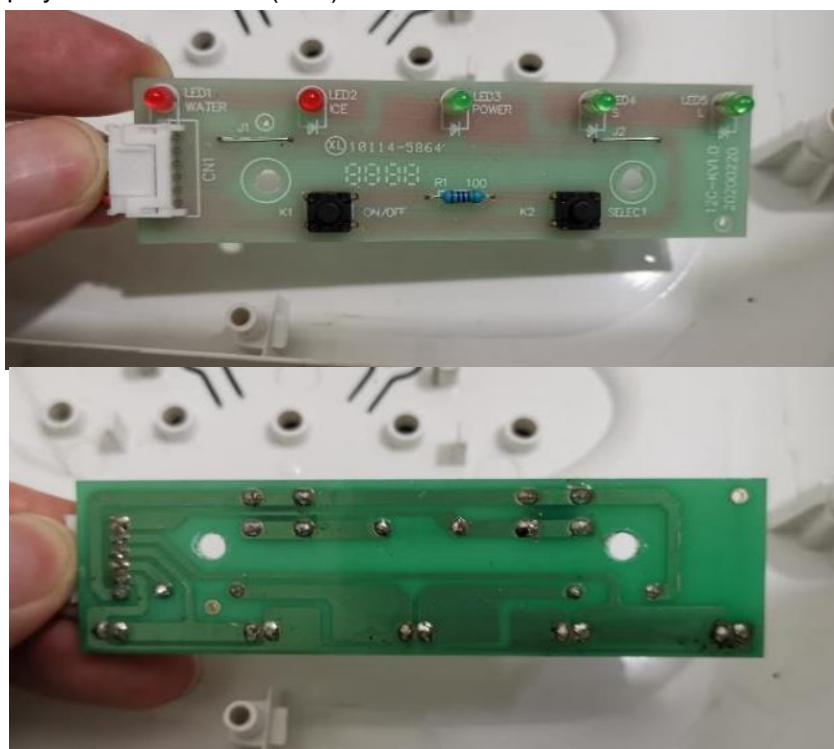


Photo 12F - Display and control PWB (LED) - HZB-12/C



3.0 Product Photographs

Photo 12G - Alternative display and control PWB (LED)



Photo 12H - Alternative display and control PWB (LED)

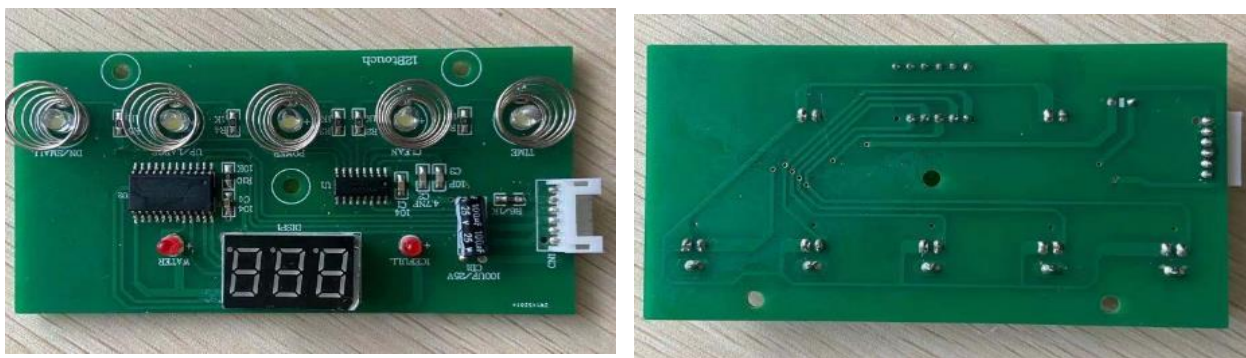
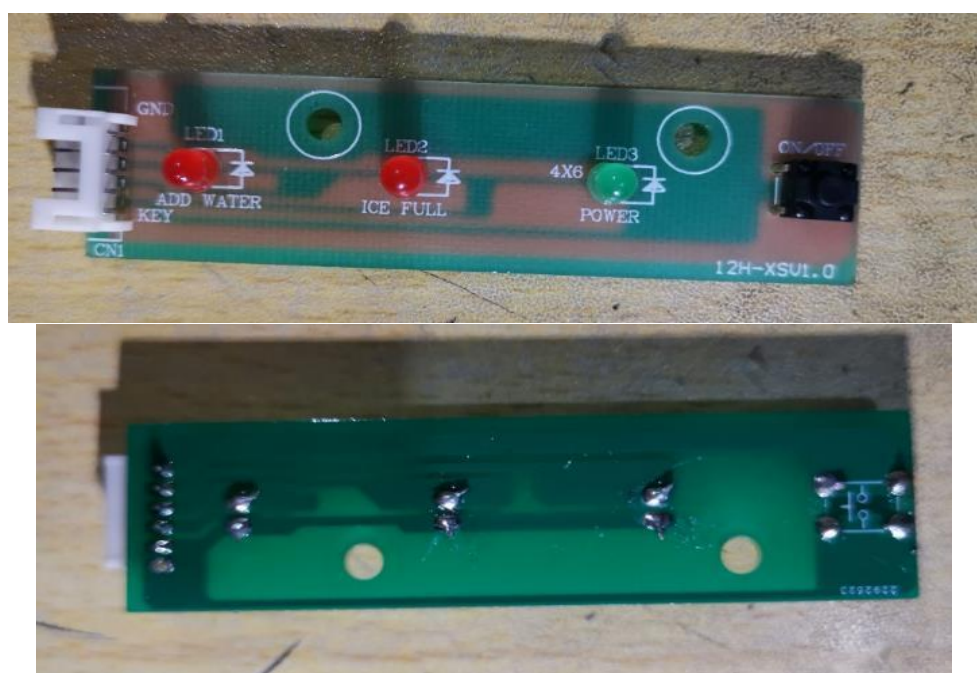


Photo 12I - Display and control PWB - HZB-12/H and HZB-12/SH



3.0 Product Photographs

Photo 12J - Display and control PWB & WIFI module - HZB-12/B-W and HZB-12/SB-W

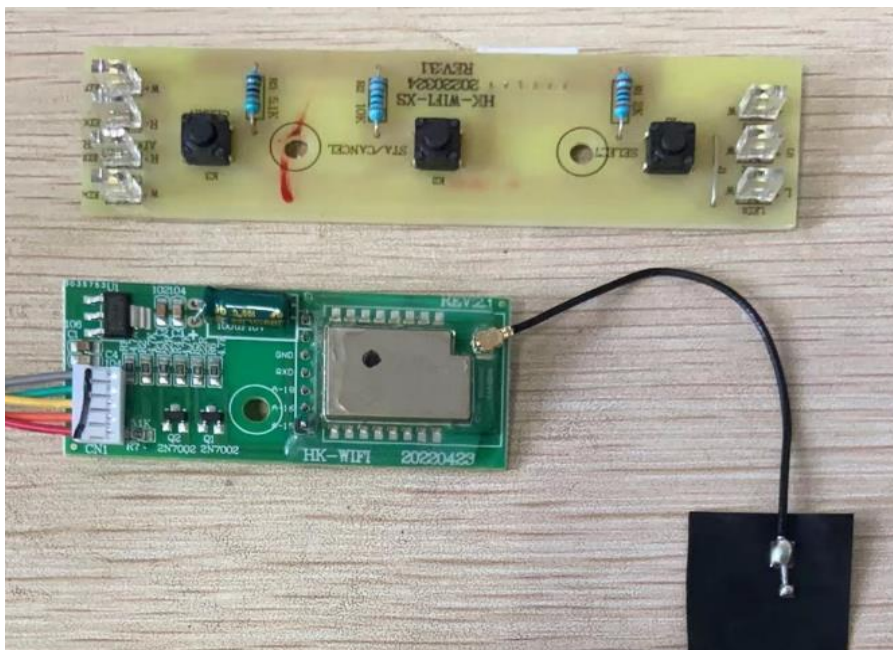
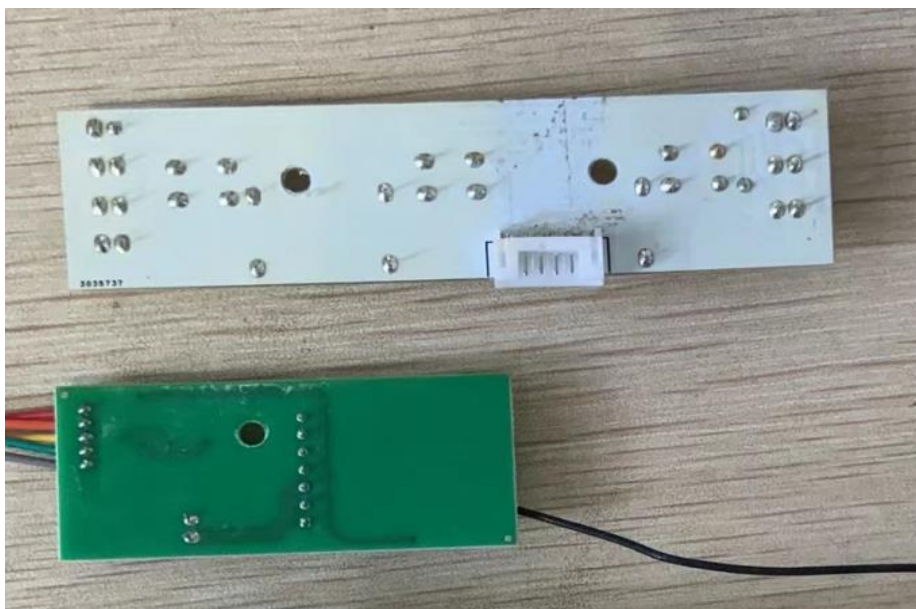


Photo 12K - Display and control PWB & WIFI module - HZB-12/B-W and HZB-12/SB-W

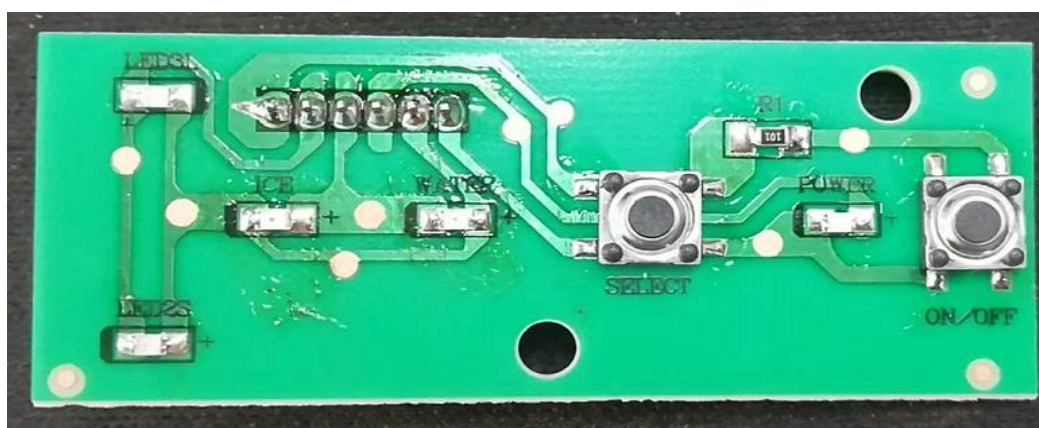


3.0 Product Photographs

Photo 12L - Alternative Display and control PWB (LED)



Photo 12M - Alternative Display and control PWB (LED)



3.0 Product Photographs

Photo 12N - Alternative Display and control PWB (LED)



Photo 12O- Alternative Display and control PWB (LED)

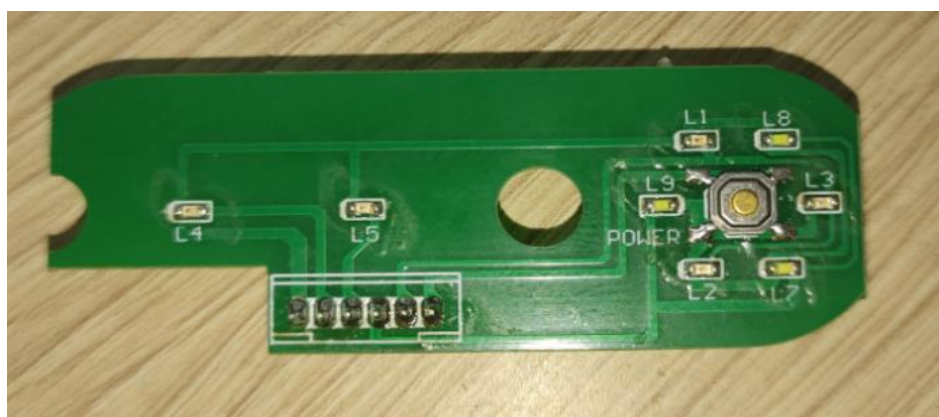


Photo 12P - Alternative WIFI module for all model

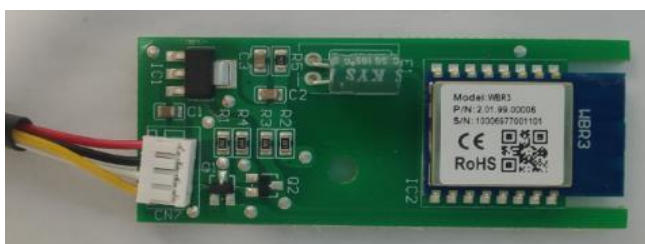


Photo 12Q- Alternative Display and control PWB (LED)



3.0 Product Photographs

Photo 12R- Alternative Display and control PWB (LED)

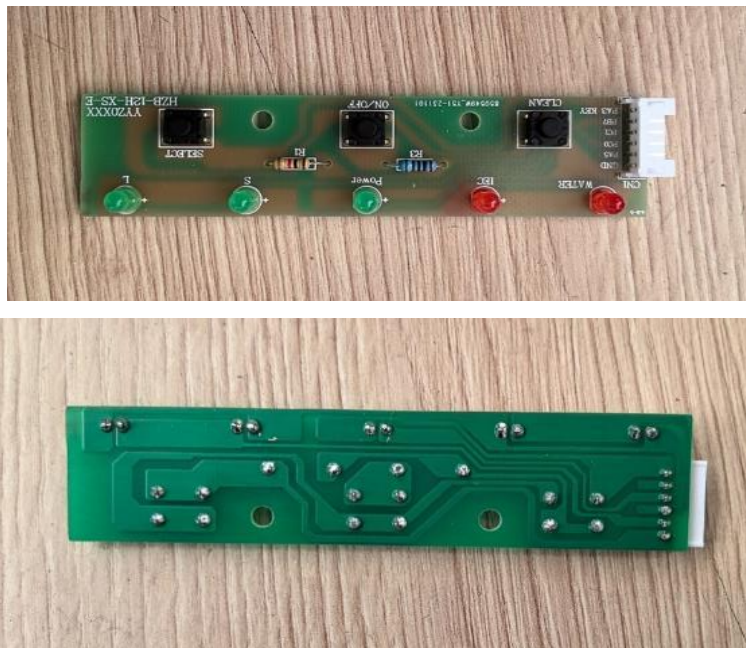
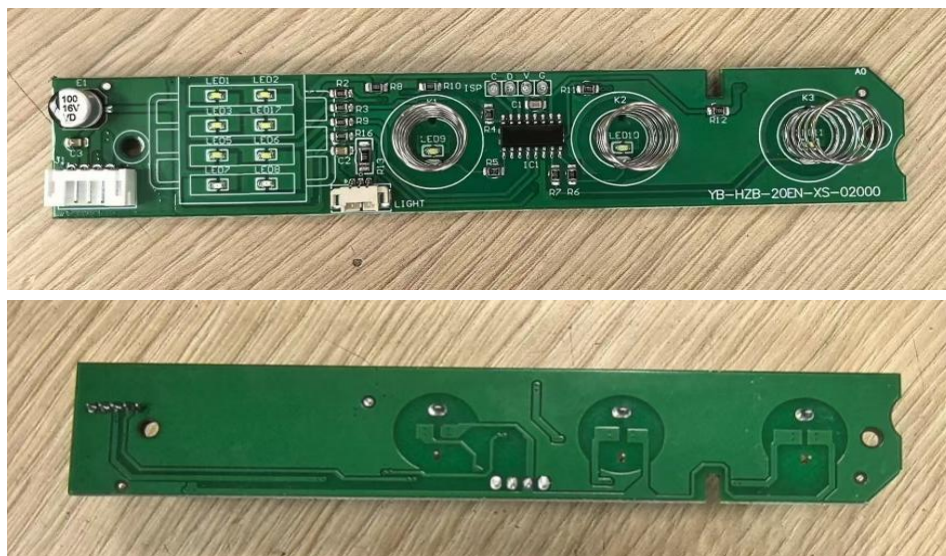


Photo 12S- Alternative Display and control PWB



3.0 Product Photographs

Photo 13 - Alternative compressor MV3011H manufactured by Liyang



Photo 14 - Alternative compressor QD30H11G manufactured by Anuodan



3.0 Product Photographs

Photo 15 - Alternative compressor L48C5L manufactured by Huayi

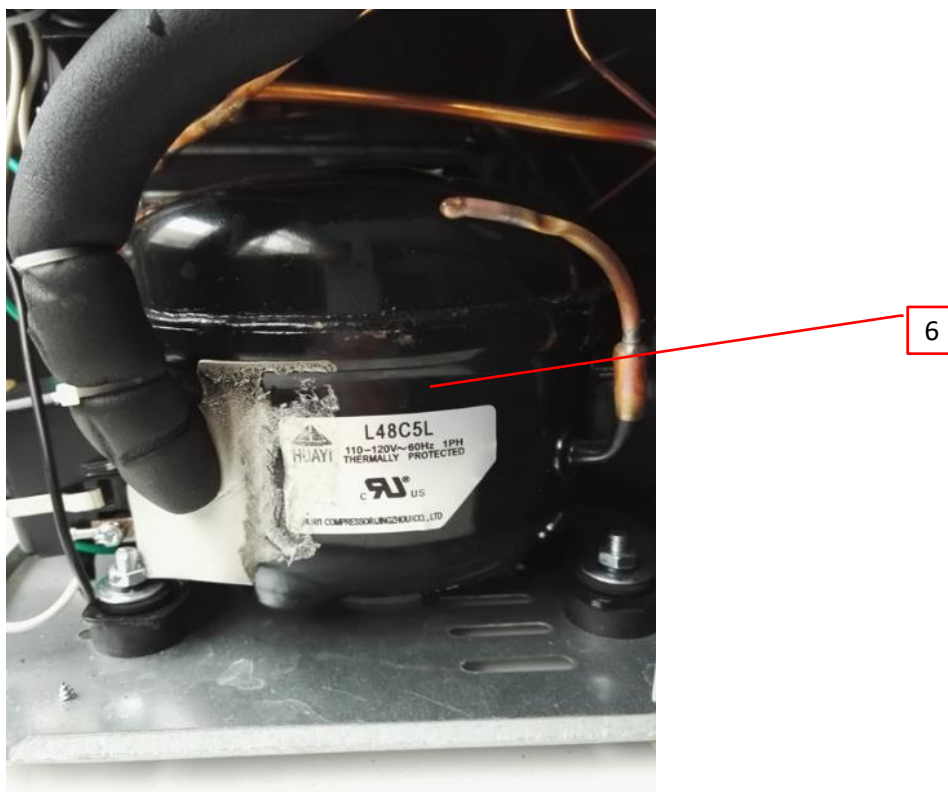


Photo 16 - Local construction of compressor L48C5L - HZB-12/B



3.0 Product Photographs

Photo 19 - Compressor TK48C5 view



Photo 20 - Compressor HV48Y11A view



3.0 Product Photographs

Photo 21 - Compressor M43C5L view

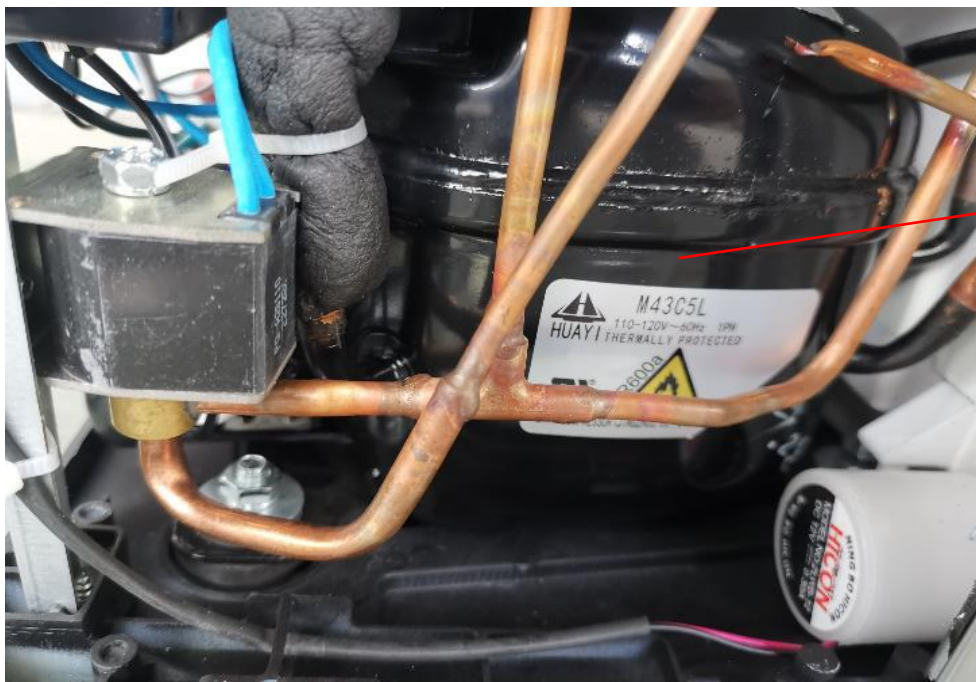


Photo 22 - Compressor BLC48AD view



3.0 Product Photographs

Photo 23 - Compressor UKN43YA view

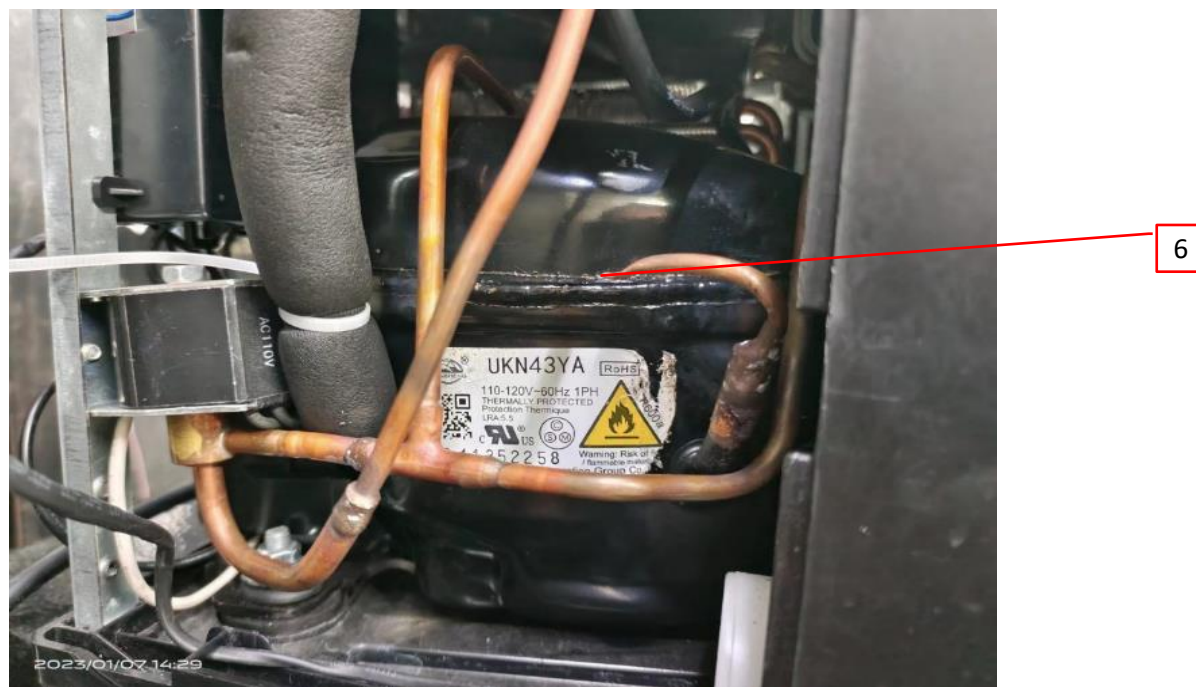


Photo 24 - Compressor TK48C5s view



3.0 Product Photographs

Photo 25 - Compressor MD30UA view



Photo 26 - Compressor HD48Y11A view



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	Plug	Various	Various	NEMA 5-15P	cULus or cETLus
1	2	Power Cord	Various	SJT	3*18AWG, 300 or 600V, VW-1, 1.5-3 m length	cULus or cETLus
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	HI121H	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
			SK Geo Centric Co Ltd	B380G	PP, 2mm thickness, rated HB, RTI(65 65 65)	cURus
3	4	PWB Box	LG CHEMICAL LTD	AF312B	ABS, 2.5mm thickness, rated 5VA, RTI(75 70 75), secured to frame by 2 screws	cURus
			CHI MEI CORPORATION	PA-765	ABS, 2.5mm thickness, rated 5VA, RTI(80 80 80)	cURus
				PA-765A		
			LG CHEMICAL LTD	AF365F	ABS, 2.0mm thickness, rated 5VA, RTI(85 85 80), secured to frame by 2 screws	cURus
3	5	Internal Wire	Various	1007	22-18AWG, 300V, 80°C, bound well by cabel ties and routed in good way	cURus
				1015	22-18AWG, 300 or 600V, 105°C, bound well by cabel ties and routed in good way	cURus

4.0 Critical Components						
Photo #	Item no. ¹	Name	Manufacturer/ trademark ²	Type / model ²	Technical data and securement means	Mark(s) of conformity ³
3, 13, 14, 15, 19, 20, 21, 22, 23, 24, 25	6	Compressor	ZHEJIANG LIYANG	QD28H11	For models HZB-12/A, HZB-12/SA, HZB-12/A-W, HZB-12/SA-W: 110-127V, 60Hz, R134a, secured to bottom metal by 4 screws and nuts	cETLus
			HUAYI COMPRESSOR (JINGZHOU) CO LTD	B30H5	For models HZB-12/A, HZB-12/SA, HZB-12/A-W, HZB-12/SA-W: 110-115V, 60Hz, R134a	cURus
			HUAYI COMPRESSOR (JINGZHOU) CO LTD	L30H5L	For models HZB-12/A, HZB-12/SA, HZB-12/A-W, HZB-12/SA-W: 110-115V, 60Hz, R134a	cURus
			ZHEJIANG LIYANG	MV3011H	For models HZB-12/A, HZB-12/SA, HZB-12/A-W, HZB-12/SA-W: 110-120V, 60Hz, R134a	cURus
			NINGBO ANUODAN MACHINERY CO LTD	QD30H11G	For models HZB-12/A, HZB-12/SA, HZB-12/A-W, HZB-12/SA-W: 110-120V, 60Hz, R134a	cURus
			HUAYI COMPRESSOR (JINGZHOU) CO LTD	L48C5L	110-120V, 60Hz, R600a. For all models expect HZB-15A, HZB-15SA, HZB-15B, HZB-15SB, HZB-15C.	cURus
			NINGBO ANUODAN MACHINERY CO LTD	HD48Y11A	110-120V, 60Hz, R600a. For all models expect HZB-15A, HZB-15SA, HZB-15B, HZB-15SB, HZB-15C.	cURus
			JINGZHOU TIANKE REFRIGERATION CO LTD (SA34011)	TK48C5	110-120V, 60Hz, R600a. For all models expect HZB-15A, HZB-15SA, HZB-15B, HZB-15SB, HZB-15C.	cURus
			NINGBO ANUODAN MACHINERY CO LTD (SA33342)	HV48Y11A	110-120V, 60Hz, R600a. For all models expect HZB-15A, HZB-15SA, HZB-12B, HZB-15SB, HZB-12C.	cURus
			ZHEJIANG BINGFENG COMPRESSOR CO LTD (SA45619)	BLC48AD	115V, 60Hz, R600a. For all models expect HZB-15A, HZB-15SA, HZB-15B, HZB-15SB, HZB-15C.	cURus
			HUAYI COMPRESSOR (JINGZHOU) CO LTD (SA13324)	M43C5L	110-120V, 60Hz, R600a. For all models expect HZB-15A, HZB-15SA, HZB-15B, HZB-15SB, HZB-15C.	cURus
			Hangzhou Qianjiang Refrigeration Compressor Group Co Ltd (SA33247)	UKN43YA	110-120V, 60Hz, R600a. For all models expect HZB-15A, HZB-15SA, HZB-15B, HZB-15SB, HZB-15C.	cURus
			JINGZHOU TIANKE REFRIGERATION CO LTD (SA34011)	TK48C5s	110-120V, 60Hz, R600a. For all models expect HZB-15A, HZB-15SA, HZB-15B, HZB-15SB, HZB-15C.	cURus
			Hangzhou Qianjiang Refrigeration Compressor Group Co Ltd (SA33247)	MD30UA	100-127V, 60Hz, R290. For models HZB-15A, HZB-15SA, HZB-15B, HZB-15SB, HZB-15C	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	7	Base Plate	Various	Various	Zinc-plated steel, min. 1.0mm thickness. Except models HZB-12/C, HZB-12/H, HZB-12/SH, HZB-12/G, HZB-12/SG, HZB-12/C-W, HZB-12/H-W, HZB-12/SH-W, HZB-12/G-W, HZB-12/SG-W, HZB-12/K, HZB-12/J, HZB-12/Q	NR
4, 4FB	8	Synchronous Motor for all models except HZB-12/U	WUXI DEXUN FUDA MOTOR CO LTD / WUXI DEXUN MICRO MOTOR CO LTD	50TYZ-E	120V, 50/60Hz, secured to frame by 2 screws	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
			ZHAOQING CITY GAOYAO DISTRICT HENGJUN (E242178)	TY-50	100-120V, 50/60Hz, 4W	cURus
			Ningbo Tianling (E494337)	49TYJ	110-120V, 50/60Hz	cURus
4, 4FB	9	Condenser Fan Motor	XINRUILIAN	RDH1225S	DC12V, 0.4A, secured to condenser by 2 screws in diagonal line	cURus
			SHENZHEN HUAXIA HENGTAI ELECTRONIC CO LTD	YM1212PTS1	DC12V, 0.27A	cURus
			ZHONGSHAN HENGSHAN PLASTIC PRODUCTS CO LTD	FS120252H	DC12V, 0.3A	cURus
			YATE LOON ELECTRONICS CO LTD	D12SH-12	DC12V, 0.3A	cURus
			YOUNG LIN TECH CO LTD	DFS122512H	DC12V, 0.28A	cURus
			SHENZHEN POWERYEAR TECHNOLOGY CO LTD	PY-1225H12S	DC12V, 0.35A	cURus
4	10	Condenser Coil	NINGBO HICON	Various	Copper, outside diameter 7mm, thickness 0.31mm	NR
4F C	10a	Condenser Coil	NINGBO HICON	Various	Copper, outside diameter 5mm, thickness 0.20mm	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	11	Water Pump	DONGGUAN XINLINGLONG MOTOR & APPLIANCE MANUFACTURER	XLL32ZWN12	DC12V, 0.3A, secured to frame by 2 screws	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
			NINGBO HICON	PA1	DC12V, 0.2A	NR
			NINGBO HICON	PV7	DC12V, 0.25A	NR
			SHENZHEN POWERYEAR	PA1	DC12V, 0.2A	NR
			SHENZHEN POWERYEAR	PV7	DC12V, 0.25A	NR
4, 4FA	12	Ice-melting Valve	ZHEJIANG SANHUA CO LTD	FDF2A	110V/115V/120V/110-120V, 50/60Hz	cURus
			ZHEJIANG SANHUA CLIMATE & APPLIANCE CONTROLS GROUP CO LTD	FDF2A	110V/115V/120V/110-120V, 50/60Hz	cURus
			ZHEJIANG ZHONGBAO AUTO-CONTROL COMPONENT CO LTD	FDF2A, FDF2A-02C	110V/115V/120V/110-120V, 50/60Hz	cURus
			CHANGZHOU CHANGHENG LUSI ELECTRIC APPLIANCE CO LTD	DTF-1	110V/115V/120V/110-120V, 50/60Hz	cURus
				DTF-1-2A		
				FDF2A		
			TIANCHANG TIANHAO REFRIGERATING EQUIPMENT FACTORY	FDF-2A	110V, 50/60Hz	cURus
			Changzhou Weigeer (MH64645)	FDF-2A12	110-120V, 50/60Hz	cURus
			ZHEJIANG DUNAN (E253737)	FDF2A series	110V, 50/60Hz	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
12A, 12B, 12C, 12D, 12E, 12F, 12G, 12H	13	Transformer	Various	Various	Horizontally installed, vanish impregnated core, thickness 5,3mm by width 20,6mm by length 20,2mm, bobbin min. 0.5mm 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
			Various	Various	Horizontally installed, vanish impregnated core, thickness 4,80mm by width 16,00mm by length 14,50mm, bobbin min. 0,5mm thickness. Primary winding Ø0,15mm, 129 turns, type 2UEW-N, rated min. 155°C, measured 2,6Ω at 29°C. Sec. winding 3 layers insulated wire Ø0,30mm, 18 turns, rated min. 130°C, measured 0,06Ω at 29°C. Vcc winding Ø0,15mm, 22 turns, rated min. 155°C, measured 0,47Ω at 29°C. Class 120.	NR
			Various	Various	impregnated core, type EF20 with thickness 5.3mm by width 20.6mm, by length 20.2mm, bobbin min. 0.5mm thickness. Primary winding Ø0.22mm, 51 turns and Ø0.23mm, 51 turns, type 2UEW, rated min. 155°C, measured 2.0Ω at 25°C. Sec. winding 3 layers insulated wire Ø0.25mm-2p, 14 turns, rated min. 130°C, measured 0.11Ω at 25°C. Vcc winding Ø0.25mm, 19 turns, rated min. 155°C, measured 0.9Ω at 25°C.	NR
			Various	Various	Vanish impregnated core, thickness 13.7mm by width 21.4mm by height 13.5mm, bobbin min. 0.5mm thickness. Primary winding Ø0.23mm, 58 turns, type xUEW, rated min. 155°C, measured 1.3Ω at 25°C. Sec. winding 3 layers insulated wire Ø0.6mm, 7 turns, rated min. 130, measured 35mΩ at 25°C. Vcc winding Ø0.3mm*2, 6 turns, rated min. 155, measured 50mΩ at 25°C.	NR
			Various	Various	Vanish impregnated core, thickness 4.8mm by width 16.0mm by height 15.5mm, bobbin min. 0.5mm thickness. Primary winding Ø0.20mm, 143 turns, type xUEW, rated min. 155°C, measured 3.5Ω at 25°C. Sec. winding 3 layers insulated wire Ø0.4mm, 23 turns, rated min. 130, measured 145mΩ at 25°C. Vcc winding Ø0.2mm, 29 turns, rated min. 155, measured 0.9Ω at 25°C.	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
			Various	Various	Vanish impregnated core, thickness 4.8mm by width 16.0mm by height 15.0mm, bobbin min. 0.5mm thickness. Primary winding Ø0.20mm, 138 turns, type xUEW, rated min. 155°C, measured 2.1Ω at 25°C. Sec. winding 3 layers insulated wire Ø0.45mm, 21 turns, rated min. 130, measured 72mΩ at 25°C.	NR
			Various	Various	Vanish impregnated core, thickness 4.8mm by width 17.5mm by height 15.5mm, bobbin min. 0.5mm thickness. Primary winding Ø0.21mm, 128 turns, type xUEW, rated min. 155°C, measured 1.9Ω at 25°C. Sec. winding 3 layers insulated wire Ø0.3mm, 16 turns, rated min. 130, measured 130mΩ at 25°C. Vcc winding Ø0.15mm, 22 turns, rated min. 155, measured 0.72Ω at 25°C.	NR
12A	15	Y Capacitor	Various	Various	Min. 250V, 2.2nF. 1 piece connected across pri. and sec. by soldering	cURus
12A	16	Across-the-line Capacitor	Various	Various	0.1μF or 0.22μF or 0.33μF, min. 250V	cURus
12A	17	Varistor	Various	Various	330V	cURus
12A	18	Fuse (glass tube type)	Various	Various	3.15A, 125/250V, 5×20mm	cURus
12B B	27	Fuse (micro type to be alternative)	Various	Various	3.15A, 250V	cURus
12A	19	Quick-connect Terminals	Various	Various	UL approved	cURus
12A	20	Triacs	Various	Various	0.6A	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
12A	21	Optical Isolators	LITE-ON TECHNOLOGY CORP	MOC-3021 series	Providing 5000V isolation	cURus
			FAIRCHILD SEMICONDUCTOR CORP	MOC3021 series	Providing 3750V isolation	cURus
			EVERLIGHT ELECTRONICS CO LTD	EL3021 series	Providing 5000V isolation	cURus
				ELT3021 series		
			SHARP CORP ELECTRONIC COMPONENTS AND DEVICES GROUP	1S3021 series	Providing 5000V isolation	cURus
			SHENZHEN ORIENT COMPONENTS CO LTD (E323844)	ORMOC3021S series	Providing 5000V isolation	cURus
			JIEJIE MICROELECTRONICS (Shenzhen) Co Ltd (E521485)	JOC3021 series	Providing 5000V isolation	URus
			CT Microelectronics Far East Ltd (E364000)	CT3021 seires	Providing 5000V isolation	URus
			NingBo Qunxin Microelectronics Co., LTD (E509768)	QX3021 Series QX2021 Series	Providing 5000V isolation	cURus
			CRM ICBG (Wuxi) Co Ltd(E465130)	HK3021 series	Providing 5000V isolation	cURus
			Various	Various	Providing 5000V isolation	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
12A	22	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	Min.5A, 125V, or 10A, 250V, 10E4	cURus
			HSIN DA PRECISION CO LTD (E162117)	982-1A-12D	Min.10A, 125V or 5A, 250V, 10E4	cURus
			SONG CHUAN PRECISION CO LTD	833H-1C-C	Min.10A, 125V, 10E4	cURus
			QUN LI RADIO APPLIANCE FACTORY	JQC-3FB	Min.10A, 120V or 5A, 250V, 10E4	cURus
			NINGBO JINTIAN RELAY CO LTD	JQC-3FF HF3FF	Min.5A, 120V or 125V, 10E4	cURus
			NINGBO ZETTLER (E319069)	JQC-3FF	Min.5A, 120V/125V/250V/277V, 10E4	cURus
			YUEQING MEISHUO (E313266)	MPA-S-112-A	Min.5A, 125V/240V/250V, 10E4	cURus
			NINGBO TIANBO GANGLIAN (E173485)	HJR-3FF	Min.5A, 120V or 125V, 10E4	cURus
			Shenzhen Golden Electrical (E321783)	GH-1A-12LSFT	Min.5A, 125V/250V/277V, 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,125V/ 240V, 10E4.	cURus
			SHENZHEN YUANZE (E341498)	Y3F-SS-112DM	Min 5A,125V/ 250V, 10E4.	cURus
			DONGGUAN YONGNENG (E320522)	YX202-S-112DMF	Min 5A,125V/ 250V, 10E4.	cURus
			Guoke Relay Factory(E359350)	GK3FF-12VDC-S-A	Min 5A,125V/ 250V, 10E4.	cURus
12A	23	PVC Sleeving (Not Shown)	Various	Various	300V or 600V, 105°C, VW-1	cURus
12A	24	Main PWB	Various	Various	Min Thickness: 1.5mm, V-0, 130°C	URus
4	25	Evaporator (Not Shown)	NINGBO HICON	Various	Copper or SUS, outside diameter 10mm, thickness 0.5mm	NR
4	26	Marking Label (Not Shown)	Various	Various	Min. 60°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
12B R	28	Optical Isolators with power triac (not shown)	NingBo Qunxin Microelectronics Co., LTD (E509768)	QX2093 series 2093 Series	Providing 5000V isolation, This alternative component does not need triac, item 20 shall be removed	cURus
			JIEJIE MICROELECTRONICS CO., LTD.	H11B0F H11B1F H11B2F	Providing 5000V isolation, This alternative component does not need triac, item 20 shall be removed	cURus
			Various	Various	Providing 5000V isolation, This alternative component does not need triac, item 20 shall be removed	cURus
4GD	29	DC step motor	Various	Various	12VDC. For models HZB-12/U.	NR
4GA	30	Water inlet valve for HZB-12/U (optional)	JIA YIN INC	JYSF-15	12VDC.	NR
			DUOJIA KEJI	YS-DCF-J2	12VDC, 6W.	NR
			YUYAO PURO	PURO-XD-12	12VDC, 6.5W.	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

No Unlisted CEC components are used in this report.

6.0 Critical Features

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

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

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

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

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

1. Spacing - In primary circuits, 1.6 mm minimum spacing are maintained through air and over surfaces of insulating material between current-carrying parts of opposite polarity and 6.4 mm minimum between such current-carrying parts and dead-metal parts or low voltage isolated circuits.
2. Mechanical Assembly - Components such as switches, fuseholders, connectors, wiring terminals and display lamps are mounted and prevented from shifting or rotating by the use of lockwashers, starwashers, or other mounting format that prevents turning of the component.
3. Corrosion Protection - All ferrous metal parts are protected against corrosion by painting, plating or the equivalent.
4. Accessibility of Live Parts - All uninsulated live parts in primary circuitry are housed within a 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 or the equipment grounding terminal.
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. All wiring is minimum 22 AWG, with a minimum rating of 600V, 105°C.
7. Schematics - No schematics is required.
8. Markings - The product is marked on as labeling system as described in Items No. 26 of Section 4.0 as follows: applicant's name or brand name, model number, date of manufacturer, electrical ratings (voltage, frequency, current), refrigerant name, mass and design pressure.
Refer to Section 2.0 for detailed electrical ratings.

6.0 Critical Features

9. Cautionary Markings - The following are required:
- DANGER - Risk Of Fire or Explosion. Flammable Refrigerant Used. Do Not Use Mechanical Devices To Defrost Ice Maker. Do Not Puncture Refrigerant Tubing.
- DANGER - Risk Of Fire Or Explosion. Flammable Refrigerant Used. To Be Repaired Only By Trained Service Personnel. Do Not Puncture Refrigerant Tubing.
- CAUTION - Risk Of Fire Or Explosion. Flammable Refrigerant Used. Consult Repair Manual/Owner's Guide Before Attempting To Install or Service This Product. All Safety Precautions Must be Followed.
- CAUTION - Risk Of Fire Or Explosion. Dispose Of Property In Accordance With Federal Or Local Regulations. Flammable Refrigerant Used.
- Shipping Carton Marking:
- Caution - Risk of Fire or Explosion due to Flammable Refrigerant Used. Follow Handling Instructions Carefully in Compliance with U.S./CAN Government Regulations.
- Note:
1. For refrigeration tubing or other devices through which the refrigerant is intended to be serviced shall be painted, colored, or labeled red, Pantone® Matching System (PMS) No. 185. This color shall be present at all places where service puncturing or otherwise creating an opening in the refrigerant circuit might be expected. In the case of a process tube on a compressor, the color mark shall extend at least 2.5 cm (1 inch) from the compressors.
 2. The markings are in letters no less than 6.4 mm (1/4 inch) high for US market, 3.2mm(1/8 inch) for Canada market.
 3. The French translation maybe not provided if the products are for US market only.
10. Installation, Operating and Safety Instructions - The instructions for installation and use of this product are provided by the manufacturer. Refer to Illustrations No. 3~3I for details of representative instruction manual.

6.0 Critical Features

11. Model Similarities of Multiple Listees - For M/L No. 1, MC Appliance Corp.:

For models MCIM22W, MCIM22B, MCIM22SV, MCIM22ST, MCIM22R, MCIM22RT, HNIM27SV, HNIM27ST and HMIM27BST, their brand name is Magic Chef.

For models SBIM22W, SBIM22B, SBIM22SV and SBIM22ST, their brand name is Sunbeam.

For models OSIM22W, OSIM22B, OSIM22SV and OSIM22ST, their brand name is Oster.

For M/L No. 9, Whynter L.L.C.:

The conditions of all Multiple Listee models include assembling various compressors used refrigerant both R134a and R600a. All models share similar constructions, except for their enclosure colors.

For M/L No. 13, Curtis International Ltd.:

For models ICE101, ICE102, ICE102C, ICE108, ICE109, ICE206, ICE101-SS, ICE102ST, ICE105, ICE106-SS, ICE117-SS or ICE207 or ICE303- followed by up to fifteen letters, their brand name is IGLOO.

For models RIC101- followed by up to fifteen letters and RIC102, RIC102- or RIC110-GB- or RIC117-SS followed by up to fifteen letters, their brand name is RCA.

For models 430395 and 606780- or ICE118-SSRED- or ICE118-SSCOPPER- or ICE118-SSBLACK- or ICE118-SS- or ICE118-SSTURQUOISE-followed by up to fifteen letter, their brand name is IMPROVEMENTS.

For model 043-0295-6, 043-0295-6, 043-7077- followed by up to fifteen letters, 043-7077-4, their brand name is MASTER Chef.

For models EFIC102ST, EFIC117-SS, EFIC101- or EFIC102- or EFIC105- or EFIC106- or EFIC108- or EFIC118- or EFIC206- or EFIC207- or EFIC189- or EFIC120- or EFIC315- or EFIC103- or EFIC121- or EFIC123- or EFIC123-SS or EFIC121-B-SS or EFIC206-TG-or EFIC111-B- or EFIC111- or EFIC189-B- or EFIC103_AMZ-SSBLACK- or EFIC103_AMZ-SSRED- or EFIC103-AMZ- or EFIC117-SSBLACK- or EFIC117-SSRED- or EFIC117-SSCOPPER- or EFIC117-SS or EFIC120-SS- or EFIC315-TG-followed by up to fifteen letters, EFIC118-SILVER-KL, EFIC120-SS-SC, EFIC103_AMZ-SSBLUE-SC, EFIC123-SS_SM, EFIC123-SSBLACK_SM, EFIC123-SSRED_SM their brand name is FRIGIDAIRE.

For model ICG400- followed by up to fifteen letters, its brand name is Ginny's.

For model ICG401-CB-SS or ICG401-CB-SSfollowed by up to fifteen letters, its brand name is Chef Tested.

For model CE117ICE-SS or CE117ICE-SS-followed by up to fifteen letters, CE117ICE-SSRED-COM, CE117ICE-SSBLACK-COM, its brand name is cook's essentials.

The undefined letters indicate color.

For M/L No. 34, Qingdao SMAD Electric Appliances Co., Ltd:

For models start with DIM, their brand name is Smad.

For models start with TIM, their brand name is Smeta.

For models start with HIM, their brand name is TECHOMEY.

The undefined letters indicate color.

For M/L No. 65, VIVOHOME INC.:

The undefined letters indicate color.

6.0 Critical Features

12. **Logo Dependent Marking** - The required marking is dependent on the specific ETL logo applied to the product as authorized by the Authorization to Mark. In addition to the required marking of item 9 above, All products bearing the cETL or cETLus logo must also be marked with:
All products bearing the ETLus logo only is not required for following french language marking:

Cautionary markings

DANGER - RISQUE DE FEU OU D'EXPLOSION. LE FRIGORIGÈNE EST INFLAMMABLE. NE PAS UTILISER D'APPAREILS MÉCANIQUES POUR DÉGIVRER LE MACHINE À GLAÇONS. NE PAS PERFORER LA TUBULURE CONTENANT LE FRIGORIGÈNE.

DANGER - Risque d'incendie ou d'explosion. Réfrigérant inflammable utilisé. Pour être réparé que par un personnel de maintenance qualifié. Ne pas percer réfrigérant Tubing.

ATTENTION - Risque d'incendie ou d'explosion. Réfrigérant inflammable utilisé. Consultez manuel / guide de l'utilisateur de réparation avant de tenter de réparer ce produit. Toutes les précautions de sécurité doivent être respectées.

ATTENTION - Risque d'incendie ou d'explosion. Aliéner des biens conformément à la réglementation fédérales ou locales. Réfrigérant inflammable utilisé.

Note: The above markings shall be in letters no less than 3.2mm high.

Shipping Carton Marking

ATTENTION : risque d'incendie ou d'Explosion due inflammable réfrigérant utilisé. Suivez les Instructions avec soin dans le respect de U.S. de manutention/CAN de réglementation gouvernementale.

Note: For models with R134a refrigerant is not required for above markings.

7.0 Illustrations

Illustration No. 3 - Representative Instruction Manual

PORTABLE AUTOMATIC ICE MAKER INSTRUCTION MANUAL



HZB-12/A HZB-12/SA

It is important that you read these instructions before using your portable ice maker and we strongly recommend that you keep them in a safe place for future reference.

Ningbo Hicon International Industry Co., Ltd

7.0 Illustrations

Illustration No. 3A (Continued) - Representative Instruction Manual

TABLE OF CONTENTS

IMPORTANT SAFETY INSTRUCTIONS	2
PREPARING YOUR ICE MAKER FOR USE	
IMPORTANT SAFETY TIPS.....	3
GETTING TO KNOW YOUR UNIT	4
OPERATING PROCEDURES & MAINTENANCE	
UNPACKING YOUR ICE MAKER.....	6
CONNECTING YOUR ICE MAKER.....	6
CLEANING AND MAINTAINING YOUR ICE MAKER.....	6
USING YOUR ICE MAKER	7
TROUBLESHOOTING.....	7
TECHNICAL PARAMETERS & CIRCUIT DIAGRAM	8
EXPLOSIVE DRAWINGS	9

7.0 Illustrations

Illustration No. 3B (Continued) - Representative Instruction Manual

IMPORTANT SAFETY INSTRUCTIONS

Your safety and the safety of others are very important.

We have provided many important safety messages manual and your appliance.
Always read and obey all safety messages.

This is the safety alert symbol:



All safety messages will follow the safety alert symbol and the word "DANGER" or "WARNING".

 **DANGER**

 **WARNING**

These words mean:

You can be killed or seriously injured if you don't immediate follow instructions.

All safety messages will tell you what the potential hazard is, tell you how to reduce the chance of injury, and tell you what can happen if the instructions are not followed.

7.0 Illustrations

Illustration No. 3C (Continued) - Representative Instruction Manual

PREPARING YOUR ICE MAKER FOR USE

IMPORTANT SAFETY TIPS

When using electrical appliances, basic safety precautions should be followed to reduce the risk of fire, electric shock, and injury to persons or property. Read all instructions before using any appliance.

- Do not operate this, or any other appliance with a damaged cord.
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.
This ice-maker must be positioned so that the plug is accessible.
Connect to properly grounded outlets only. No other appliance should be plugged into the same outlet. Be sure that the plug is fully inserted into the receptacle.
- Do not run the power cord over carpeting or other heat insulators. Do not cover the cord. Keep cord away from traffic areas, and do not submerge in water.
- We do not recommend the use of an extension cord, as it may overheat and become a risk of fire. If you must use an extension cord, use No.14AWG minimum size and rated no less than 1875 watts.
- Unplug the ice maker before cleaning or making any repairs or servicing.
- Exercise caution and use reasonable supervision when appliance is used near children.
- Do not use your ice-maker outdoors. Place the ice-maker away from direct sunlight and make sure that there is at least 4 inches of space between the back of your unit and wall. Keep a minimum distance of 4 inches on each side of your unit free.
- Do not use other liquid to make the ice-cube other than water.
- Do not clean your ice maker with flammable fluids. The fumes can create a fire hazard or explosion.
- Do not tip over.
- If the ice maker is brought in from outside in wintertime, give it a few hours to warm up to room temperature before plugging it in.

WARNING: This appliance must be earthed.

IMPORTANT:

The wires in this mains lead are colored in accordance with the following code:

Green or Green with a strip yellow:	Grounding
White:	Neutral
Black:	Live

To avoid a hazard due to instability of the appliance, it must be placed at an even or flat surface.

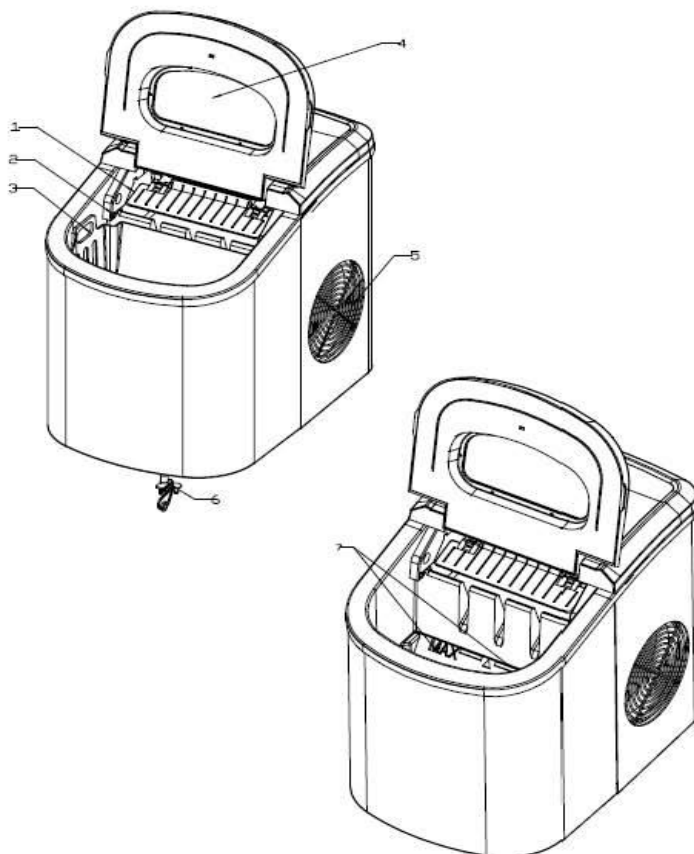
7.0 Illustrations

Illustration No. 3D (Continued) - Representative Instruction Manual

GETTING TO KNOW YOUR UNIT

General instruction

1. Ice scoop.
2. Ice full sensor
3. Ice basket
4. Top cover with transparent window
5. Air outlet
6. Water drain cap: at front btm side of the unit.
7. MAXIMUM WATER LEVEL: _____ ▼ _____
Remove the ice basket, you can see the water level mark.



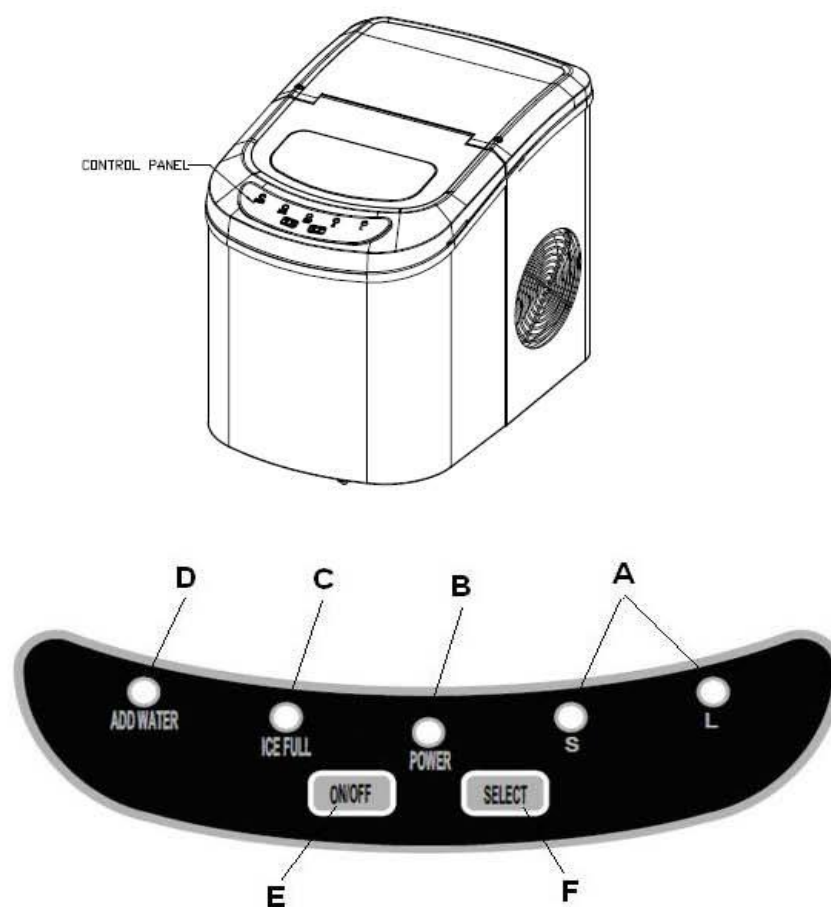
7.0 Illustrations

Illustration No. 3E (Continued) - Representative Instruction Manual

Position of control panel & function

Control Panel: Easy to use, visible functions touch display setting.

- A. Selected ice size displaying: Small and Large.
- B. Power indicator
- C. Ice-Full indicator
- D. Water shortage indicator
- E. Button to turn on/off the unit.
- F. Button to select ice cube size.



7.0 Illustrations

Illustration No. 3F (Continued) - Representative Instruction Manual

OPERATING PROCEDURES & MAINTENANCE

UNPACKING YOUR ICE MAKER

1. Remove the exterior and interior packaging. Check if ice basket and ice scoop inside. If any parts are missing, please contact our customer service.
2. Remove the tapes for fixing ice shovel, ice basket & ice scoop. Clean the tank & ice basket.
3. Put the ice maker on a level & flat counter top without direct sunlight and other sources of heat (i.e.: stove, furnace, radiator). Make sure that there is at least 4 inches gap between the back & LH/RH sides with the wall.
4. Allow one hour for the refrigerant fluid to settle before plugging the ice maker in.
5. The appliance must be positioned so that the plug is accessible.

CONNECTING YOUR ICE MAKER



DANGER

*** Improper use of the grounded plug can result in the risk of electrical shock. If the power cord is damaged please call our customer service.**

1. This unit should be properly grounded for your safety. The power cord of this appliance is equipped with a three-prong plug which mates with standard three prong wall outlets to minimize the possibility of electric shock.
2. Plug your appliance into an exclusive, properly installed, grounded wall outlet. Do not under any circumstances, cut or remove the third (ground) prong from the power cord. Any questions concerning power and/or grounding should be directed toward a certified electrician.
3. This appliance requires a standard 115volt, 60Hz electrical outlet with three-prong ground.

CLEANING AND MAINTAINING YOUR ICE MAKER

Before using your ice maker, it is strongly recommended to clean it thoroughly.

1. Take out the ice basket.
2. Clean the interior with diluted detergent, warm water and a soft cloth.
3. Then use the water to rinse the inside parts, and drain out the water by unplugging the drain cap on front bottom side.
4. The outside of the ice maker should be cleaned regularly with a mild detergent solution and warm water.
5. Dry the interior and exterior with a clean soft cloth.
6. When the machine is not to be used for a long time, drain water completely & dry the interior.

7.0 Illustrations

Illustration No. 3G (Continued) - Representative Instruction Manual

USING YOUR ICE MAKER

1. Open the cover, remove the ice basket and pour water into tank.
Keep water level below the water level mark.
2. Press "Power" button on the control panel to begin the ice making cycle.
3. Select the ice cube size by pressing the "Select" button. If the room temperature is lower than 60°F, it is recommended to select small ice cube in order to avoid ice sticking together.
4. The ice making cycle lasts approx. 5 to 13 minutes, depending on selection of ice cube size and the room temperature. The recommended ice making room temperature is between 50°F to 100 °F
5. If water pump can't inject water, the ice maker will stop automatically, and the "Add Water" indicator will be on. Press "Power" button, fill water up to the max. water level mark and press "Power" button again to turn on the unit again. Allow the refrigerant liquid inside the compressor at least 3 minutes to settle before restarting.
6. The ice maker stops working when the ice basket is full and the "Ice" indicator will be on.
7. Change water in the water reservoir every 24 hours to ensure a reasonable hygiene level.
If unit isn't to be used, drain all the water and dry the tank.

TROUBLESHOOTING

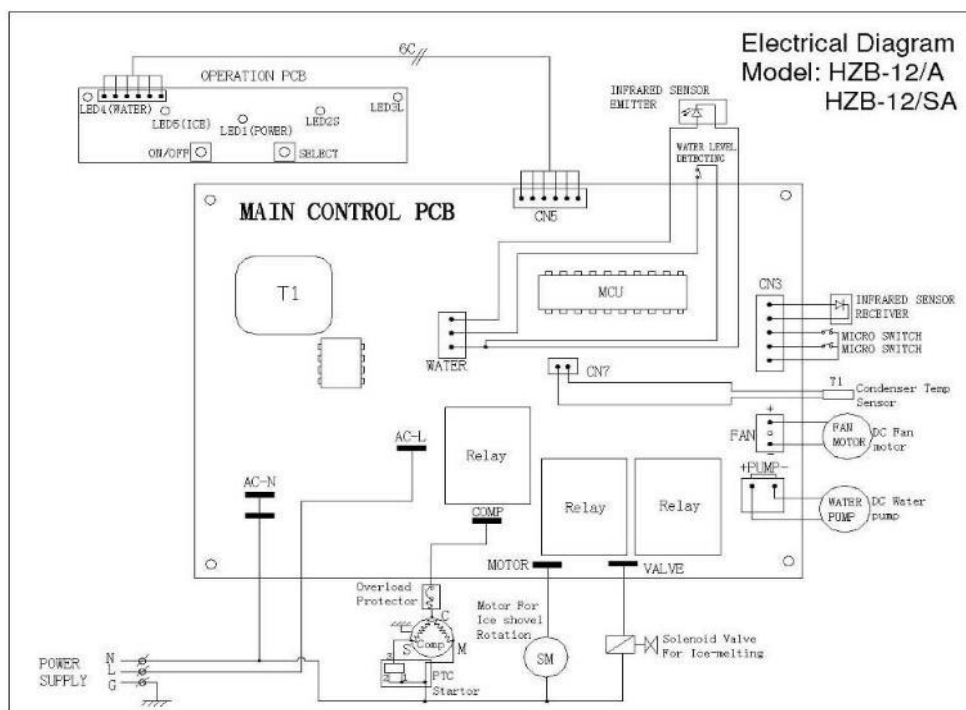
PROBLEM	POSSIBLE CAUSE	SOLUTION
"Add Water" indicator is on.	Lack of Water.	Stop the ice maker, fill water, and press "Power" button again to restart the unit.
"Ice" indicator is on.	Ice is full in basket.	Remove ice from ice basket. Continuous press "Select" button 5 seconds, the unit could make ice 10 cycles even "Ice" indicator is on.
Ice cubes stick together.	The ice cycle is too long.	Stop the ice maker, and restart it when the ice blocks melt. Select the small size ice cube selection.
	Water temperature in inner tank is too low.	Replace the water. Temperature of water recommended at 8-32°C
Ice making cycle is normal but no ice formed.	Room temperature or water temperature in inner tank is too high.	The room temperature should be 5-40°C, water temperature should be 8-32°C
	Refrigerant in cooling system leaks.	Verify by a qualified technician.
	Pipe in the cooling system is blocked.	Verify by a qualified technician.

7.0 Illustrations

Illustration No. 3H (Continued) - Representative Instruction Manual

TECHNICAL PARAMETERS & CIRCUIT DIAGRAM

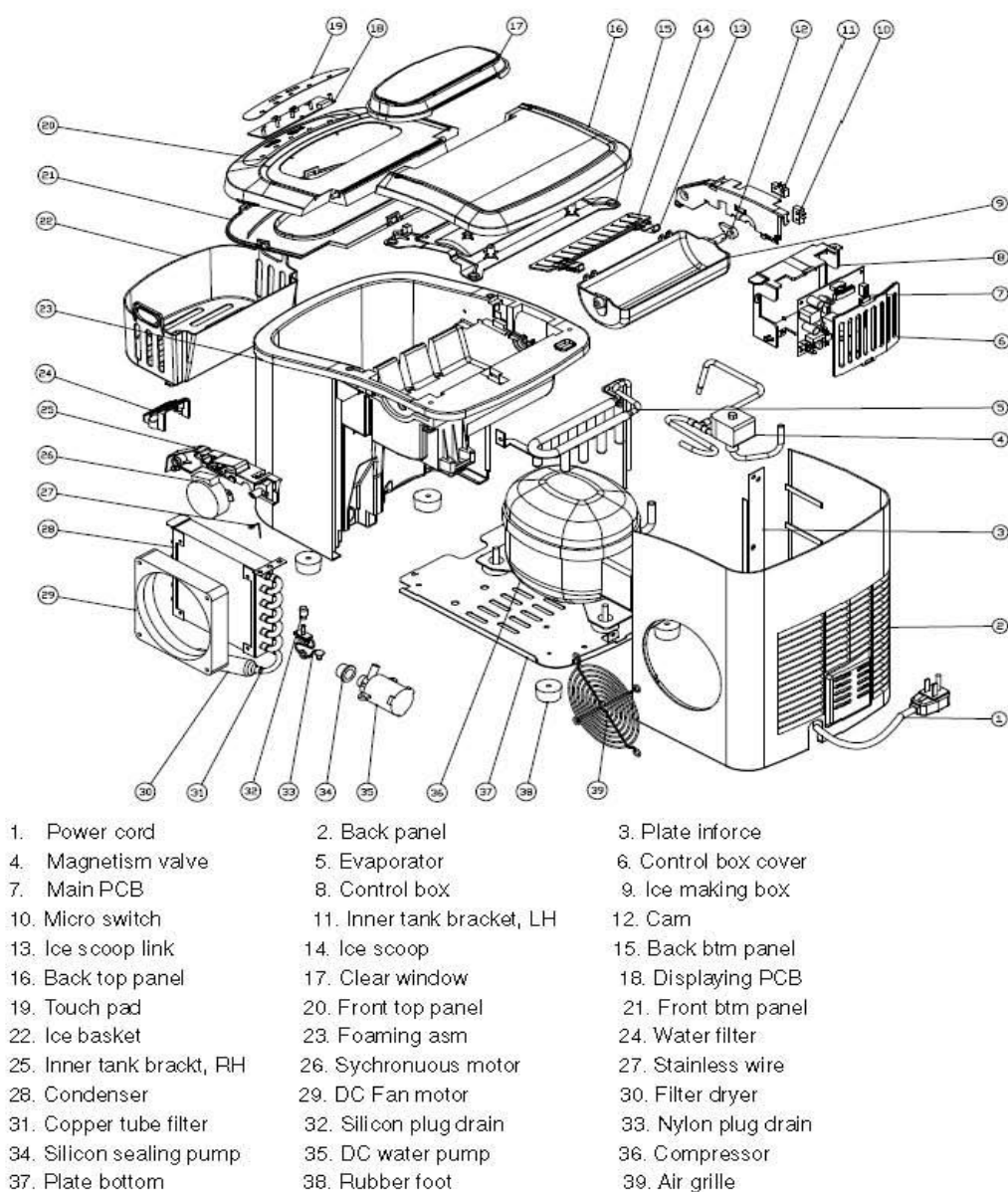
Model	HZB-12/A	HZB-12/SA
Protection Type	I	I
Climate Type	SN/N/ST	SN/N/ST
Power	115V/60Hz	115V/60Hz
Ice Making Current	1.5A	1.5A
Ice Harvest Current	2.0A	2.0A
Refrigerant	R134a/64g	R134a/64g
Net Weight	9.1Kg	9.3kg
Vesicant	C ₅ H ₁₀	C ₅ H ₁₀
Enclosure	Plastic	Stainless



7.0 Illustrations

Illustration No. 3I (Continued) - Representative Instruction Manual

EXPLOSIVE DRAWINGS



7.0 Illustrations

Illustration No. 4 - Cautionary Marking

Marking Label of Flammable Refrigerant



The height of the United Nations GHS red diamond flame symbol triangle symbol ISO 7010 W021 (2019-07) shall be at least 15 mm

8.0 Test Summary					
Evaluation Period	August 9 to 30, 2010		Project No.	SH10080445-001	
Sample Rec. Date	9-Aug-10	Condition	Prototype	Sample ID.	0100809-12
Test Location	Intertek Testing Services Shanghai Limited				
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, Eighth Edition, rev. Nov. 19, 2009			
		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			
Overflow Test		42			
Stability Test		43			
Overvoltage and Undervoltage Tests		47			
Insulation Resistance Test		48			
Strength Tests - Pressure Containing Components		51			
Strain Relief Test		52			
Tests on Nonmetallic Materials		55			
Test Description		CSA C22.2 No. 120-M91, reaffirmed 2004			
		Clause			
Rating		6.3			
Temperature (Normal Load)		6.4			
Leakage Current		6.9			
Dielectric Strength		6.10			
Temperature (Abnormal Operation)		6.11			
Starting		6.13			
Cabinet Strength		6.15			
Physical Abuse (Enclosures)		6.16			
Moisture Absorption Resistance		6.20			
Printed Circuit Boards (Abnormal)		6.21			
Overflow		6.23			
Strain Relief (Supply Cord)		6.24			
Pressure Tests		6.26			
Test Description		UL 1310, 5th Edition, rev. April 1, 2010			
		Clause			
Maximum Output Voltage Test		28			
Output Current and Power Test		30			
Dielectric Voltage Withstand Test		34			
Output loading		39.2			
Transformer burnout		39.3			
Component breakdown		39.6			
Test Description		CSA C22.2 No. 223-M91, reaffirmed 2003			
		Clause			
Rating		6.2			
Dielectric Strength		6.4			
Secondary Circuit Protection		6.6			
Abnormal		6.7			

8.0 Test Summary					
Evaluation Period	9-Jan-13		Project No.	SH13010219	
Sample Rec. Date	9-Jan-13	Condition	Production	Sample ID.	N/A
Test Location	Ningbo New Hicon Electrical Appliance Co., Ltd.				
Test Procedure	Testing at Manufacturers Premise				
Determination of the result includes consideration of measurement uncertainty from the test equipment and methods. The product was tested as indicated below with results in conformance to the relevant test criteria.					
Due to alternative condenser fan motor is added, below tests are considered need to preform:					
Test Description	UL 563, Eighth Edition, rev. November 19, 2009 Clause		CSA C22.2 No. 120-M91, reaffirmed 2004 Clause		
Input Test	36		6.3		
Temperature and Pressure Test	37		6.4, 6.7		
Dielectric Voltage-Withstand Test	39		6.10		

Evaluation Period	6-Mar-13 to 8-Mar-13		Project No.	130300164SHA	
Sample Rec. Date	6-Mar-13	Condition	Production	Sample ID.	N/A
Test Location	Ningbo New Hicon Electrical Appliance Co., Ltd.				
Test Procedure	Testing at Manufacturers Premise				
Determination of the result includes consideration of measurement uncertainty from the test equipment and methods. The product was tested as indicated below with results in conformance to the relevant test criteria.					
Due to alternative compressor is added and switching method is changed to be an electronic type, below tests are considered need to preform:					
Test Description	UL 563, Eighth Edition, rev. November 19, 2009 Clause		CSA C22.2 No. 120-M91, reaffirmed 2004 Clause		
Leakage Current Test - Cord Connected Ice Makers	33		6.9		
Input Test	36		6.3		
Temperature and Pressure Test	37		6.4, 6.7		
Starting Test	38		6.13		
Dielectric Voltage-Withstand Test	39		6.10		
Condenser Fan Motor Failure Test	40		6.11		
Test Description	UL 1054, Sixth Edition, rev. October 22, 2008 Clause		CSA C22.2 No. 55-M1986, reaffirmed 2003 Clause		
Overload Test	16		6.2		
Endurance Test	17		6.3		

Evaluation Period	6-Nov-13 to 7-Nov-13			Project No.	13110589SHA
Sample Rec. Date	6-Nov-13	Condition	Production	Sample ID.	N/A
Test Location	Ningbo New Hicon Electrical Appliance Co., Ltd.				
Test Procedure	Testing at Manufacturers Premise				
Determination of the result includes consideration of measurement uncertainty from the test equipment and methods. The product was tested as indicated below with results in conformance to the relevant test criteria.					
Due to alternative compressor is added, below tests are considered need to preform:					
Test Description	UL 563, Eighth Edition, rev. November 19, 2009 Clause			CSA C22.2 No. 120-M91, reaffirmed 2004 Clause	
Leakage Current Test - Cord Connected Ice Makers	33			6.9	
Input Test	36			6.3	
Temperature and Pressure Test	37			6.4, 6.7	
Starting Test	38			6.13	
Dielectric Voltage-Withstand Test	39			6.10	
Condenser Fan Motor Failure Test	40			6.11	

8.0 Test Summary

Evaluation Period	9-May-14		Project No.	140500301SHA
Sample Rec. Date	6-May-14	Condition	Production	Sample ID.
Test Location	Intertek Testing Services Shanghai Limited			
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.

Due to applicable standards are updated, only below tests are evaluated need to preform, the appliance is considered to conform with the standard of UL 563, Eighth Edition, rev. November 29, 2013 and CSA C22.2 No. 120, dated March 2013:

Test Description	CSA C22.2 No. 120, dated March 2013 Clause
Stability test	6.29
Spill test	6.30

Evaluation Period	19-Mar-15 to 20-Mar-15		Project No.	150301277SHA
Sample Rec. Date	19-Mar-15	Condition	Production	Sample ID.
Test Location	Ningbo New Hicon Electrical Appliance Co., Ltd.			
Test Procedure	Testing at Manufacturers Premise			

Determination of the result includes consideration of measurement uncertainty from the test equipment and methods. The product was tested as indicated below with results in conformance to the relevant test criteria.

Due to two alternative compressors are added, below tests are considered need to preform:

Test Description	UL 563, Eighth Edition, rev. Nov. 29, 2013 Clause	CSA C22.2 No. 120, dated March 2013 Clause
Leakage Current Test - Cord Connected Ice Makers	33	6.9
Input Test	36	6.3
Temperature and Pressure Test	37	6.4
Starting Test	38	6.13
Dielectric Voltage-Withstand Test	39	6.10
Condenser Fan Motor Failure Test	40	6.11

8.0 Test Summary

Evaluation Period	12-Jan-17 to 10-Feb-17			Project No.	170100762SHA
Sample Rec. Date	11-Jan-17	Condition	Production	Sample ID.	0170111-27
Test Location	Intertek Testing Services Shanghai Limited / Building No.86, 1198 Qinzhou Road (North), Shanghai 200233, P. R. 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.

Due to adding alternative compressor L48C5L, below tests are considered need to preform:

Test Description	UL 563 Issued: 2009/07/31 Ed: 8 Rev: 2013/11/29 Clause	CSA C22.2#120 Issued: 2013/03/01 Ed: 4 Clause
Leakage Current Test - Cord Connected Ice Makers	33	6.9
Input Test	36	6.3
Temperature and Pressure Test	37	6.4
Starting Test	38	6.13
Dielectric Voltage-Withstand Test	39	6.10
Condenser Fan Motor Failure Test	40	6.11
Leakage test	SA5.1	E.5.1
Temperature test	SA5.3	E.5.3

Evaluation Period	2017-05-05 to 2017-05-17			Project No.	170500356SHA
Sample Rec. Date	4-May-17	Condition	Production	Sample ID.	0170504-32
Test Location	Intertek Testing Services Shanghai Limited / Building No.86, 1198 Qinzhou Road (North), Shanghai 200233, P. R. 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.

Below tests are considered need to preform due to adding new model HZB-12/B:

Test Description	UL 563 Issued: 2009/07/31 Ed: 8 Rev: 2013/11/29 Clause	CSA C22.2#120 Issued: 2013/03/01 Ed: 4 Clause
Leakage Current Test - Cord Connected Ice Makers	33	6.9
Input Test	36	6.3
Temperature and Pressure Test	37	6.4
Starting Test	38	6.13
Dielectric Voltage-Withstand Test	39	6.10
Condenser Fan Motor Failure Test	40	6.11
Printed circuit boards (abnormal)	—	6.21
Leakage test	SA5.1	E.5.1
Temperature test	SA5.3	E.5.3

8.0 Test Summary

Evaluation Period	2018-11-12 to 2018-12-06			Project No.	181102049SHA
Sample Rec. Date	12-Nov-18	Condition	Production	Sample ID.	0181112-07-002
Test Location	Intertek Testing Services Shanghai Limited / Building No.86, 1198 Qinzhou Road (North), Shanghai 200233, P. R. 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 owing to adding an alternative compressor QD48Y11G for all models:

Test Description	UL 563 Issued: 2009/07/31 Ed.: 8 Rev: 2013/11/29 Clause	CSA C22.2 No. 120 Issued: 2013/03/01 Ed.: 4 Clause
Leakage Current Test - Cord Connected Ice Makers	33	6.9
Input Test	36	6.3
Temperature and Pressure Test	37	6.4
Starting Test	38	6.13
Dielectric Voltage-Withstand Test	39	6.10
Condenser Fan Motor Failure Test	40	6.11
Leakage test	SA5.1	E.5.1
Temperature test	SA5.3	E.5.3

Evaluation Period	2019-08-05 to 2019-08-30			Project No.	190702841SHA
Sample Rec. Date	31-Jul-19	Condition	Production	Sample ID.	0190731-07
Test Location	Intertek Testing Services Shanghai Limited / Building No.86, 1198 Qinzhou Road (North), Shanghai 200233, P. R. 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.

Below tests were performed on new model HZB-12/SB with new compressor TK48C5. After evaluation, we conclude that HZB-12/SA with new compressor TK48C5 can be covered.

Test Description	UL 563 Issued: 2009/07/31 Ed.: 8 Rev: 2013/11/29 Clause	CSA C22.2 No. 120 Issued: 2013/03/01 Ed.: 4 Clause
Leakage Current Test - Cord Connected Ice Makers	33	6.9
Input Test	36	6.3
Temperature and Pressure Test	37	6.4
Starting Test	38	6.13
Dielectric Voltage-Withstand Test	39	6.10
Condenser Fan Motor Failure Test	40	6.11
Leakage test	SA5.1	E.5.1
Temperature test	SA5.3	E.5.3

8.0 Test Summary

Evaluation Period	2020-03-10 to 2020-03-31		Project No.	200303035SHA
Sample Rec. Date	15-Feb-20	Condition	Production	Sample ID.
Test Location	Intertek Testing Services Shanghai Limited			
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.

Below tests were performed on new model HZB-12/C with compressor L48C5L as representative model.

Test Description	UL 563:2009 Ed.8+R:30Aug2018 Clause	CSA C22.2 No. 120 Issued: 2013/03/01 Ed.: 4 Clause
Leakage Current Test - Cord Connected Ice Makers	33	6.9
Input Test	36	6.3
Temperature and Pressure Test	37	6.4
Starting Test	38	6.13
Dielectric Voltage-Withstand Test	39	6.10
Condenser Fan Motor Failure Test	40	6.11
Leakage test	SA5.1	E.5.1
Temperature test	SA5.3	E.5.3

Evaluation Period	2021-03-31 to 2021-04-11		Project No.	210400625SHA
Sample Rec. Date	31-Mar-21	Condition	Production	Sample ID.
Test Location	Intertek Testing Services Shanghai Limited Building No.86, 1198 Qinzhou Road (North), Shanghai 200233, P. R. 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.

Below tests were performed on original model HZB-12/B with new compressor HV48Y11A as representative model.

Test Description	UL 563:2009 Ed.8+R:30Aug2018 Clause	CSA C22.2 No. 120 Issued: 2013/03/01 Ed.: 4 Clause
Leakage Current Test - Cord Connected Ice Makers	33	6.9
Input Test	36	6.3
Temperature and Pressure Test	37	6.4
Starting Test	38	6.13
Dielectric Voltage-Withstand Test	39	6.10
Condenser Fan Motor Failure Test	40	6.11
Leakage test	SA5.1	E.5.1
Temperature test	SA5.3	E.5.3

8.0 Test Summary					
Evaluation Period	2021-09-09 to 2021-9-22			Project No.	210703311SHA
Sample Rec. Date	8/5/2021	Condition	Prototype	Sample ID.	0210805-14
Test Location	Intertek Testing Services Shanghai Limited, located at Building No. 86, 1198 Qinzhou				
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 preformed:					
Test Description				UL 563:2009 Ed.8+R:30Aug2018 Clause	CSA C22.2 No. 120 Issued: 2013/03/01 Ed.: 4 Clause
Temperature and PressureTest				37	6.4
Dielectric Voltage-Withstand Test				39	6.10
Test Description				UL 1310:2018 Ed.7+R:16Aug2019 Clause	CSA C22.2#223:2015 Ed.3 Clause
Maximum Output Voltage Test				28	6.3.1
Output Current and Power Test				30	6.3.4
Dielectric Voltage Withstand Test				34.1	6.5
Transformer burnout				39.4	/
Compoment Breakdown				39.7	6.8.2
Test on insulation materials				40	4.9

Evaluation Period	2021-11-15 to 2021-11-30		Project No.	211102630SHA	
Sample Rec. Date	12-Nov-21	Condition	Production	Sample ID.	0211112-19
Test Location	Intertek Testing Services Shanghai Limited Building No.86, 1198 Qinzhou Road (North), Shanghai 200233, P. R. 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.					
Below tests were preformed on new model HZB-12/H fitted with compressor HV48Y11A as representative model.					
Test Description	UL 563:2009 Ed.8+R:30Aug2018 Clause		CSA C22.2 No. 120 Issued: 2013/03/01 Ed.: 4 Clause		
Leakage Current Test - Cord	33		6.9		
Input Test	36		6.3		
Temperature and Pressure Test	37		6.4		
Starting Test	38		6.13		
Dielectric Voltage-Withstand Test	39		6.10		
Condenser Fan Motor Failure Test	40		6.11		
Leakage test	SA5.1		E.5.1		
Temperature test	SA5.3		E.5.3		

8.0 Test Summary

Evaluation Period	2022-06-02 to 2022-06-13			Project No.	220600271SHA
Sample Rec. Date	1-Jun-22	Condition	Production	Sample ID.	0220601-35
Test Location	Intertek Testing Services Shanghai Limited Building No.86, 1198 Qinzhou Road (North), Shanghai 200233, P. R. 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.

Below tests were performed on model HZB-12/B and HZB-12/H fitted with new alternative main PWB as representative models.

Test Description	UL 563:2009 Ed.8+R:26May2021 Clause	CSA C22.2 No. 120 Issued: 2013/03/01 Ed.: 4 Clause
Leakage Current Test - Cord	33	6.9
Input Test	36	6.3
Temperature and Pressure Test	37	6.4
Starting Test	38	6.13
Dielectric Voltage-Withstand Test	39	6.10

Evaluation Period	2022-10-13 to 2022-10-24			Project No.	221000820SHA
Sample Rec. Date	11-Oct-22	Condition	Production	Sample ID.	0221011-14
Test Location	Intertek Testing Services Shanghai Limited Building No.86, 1198 Qinzhou Road (North), Shanghai 200233, P. R. 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.

Below tests were performed on model HZB-12/B fitted with compressor BLC48AD and HZB-12/G fitted with compressor M43C5L

Test Description	UL 563:2009 Ed.8+R:26May2021 Clause	CSA C22.2 No. 120 Issued: 2013/03/01 Ed.: 4 Clause
Leakage Current Test - Cord Connected Ice Makers	33	6.9
Input Test	36	6.3
Temperature and Pressure Test	37	6.4
Starting Test	38	6.13
Dielectric Voltage-Withstand Test	39	6.10
Condenser Fan Motor Failure Test	40	6.11
Leakage test	SA5.1	E.5.1
Temperature test	SA5.3	E.5.3

8.0 Test Summary					
Evaluation Period	2022-12-19 to 2022-12-30		Project No.	230100557SHA	
Sample Rec. Date	16-Dec-22	Condition	Production	Sample ID.	0221216-25
Test Location	Intertek Testing Services Shanghai Limited Building No.86, 1198 Qinzhou Road (North), Shanghai 200233, P. R. 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.					
Below tests were performed on model HZB-12/H fitted with compressor UKN43YA.					
Test Description	UL 563:2009 Ed.8+R:26May2021 Clause		CSA C22.2 No. 120 Issued: 2013/03/01 Ed.: 4 Clause		
Leakage Current Test - Cord Connected Ice Makers	33		6.9		
Input Test	36		6.3		
Temperature and Pressure Test	37		6.4		
Starting Test	38		6.13		
Dielectric Voltage-Withstand Test	39		6.10		
Condenser Fan Motor Failure Test	40		6.11		

Evaluation Period	2023-04-05 to 2023-04-14			Project No.	230400252SHA
Sample Rec. Date	3-Apr-23	Condition	Production	Sample ID.	0230403-25
Test Location	Intertek Testing Services Shanghai Limited Building No.86, 1198 Qinzhou Road (North), Shanghai 200233, P. R. 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.					
Below tests were performed on new model HZB-12/H-W.					
Test Description	UL 563:2009 Ed.8+R:26May2021 Clause			CSA C22.2 No. 120 Issued: 2013/03/01 Ed.: 4	
Leakage Current Test - Cord Connected Ice Makers	33			6.9	
Input Test	36			6.3	
Temperature and Pressure Test	37			6.4	
Starting Test	38			6.13	
Dielectric Voltage-Withstand Test	39			6.10	

8.0 Test Summary					
Evaluation Period	2023-11-02 to 2023-11-10			Project No.	2311A0412SHA
Sample Rec. Date	1-Nov-23	Condition	Production	Sample ID.	0231101-25
Test Location	Intertek Testing Services Shanghai Limited Building No.86, 1198 Qinzhou Road (North), Shanghai 200233, P. R. 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.					
Below tests were performed on model HZB-12/K fitted with compressor TK48C5s.					
Test Description	UL 563:2009 Ed.8+R:26May2021 Clause		CSA C22.2 No. 120 Issued: 2013/03/01 Ed.: 4		
Leakage Current Test - Cord	33		6.9		
Input Test	36		6.3		
Temperature and Pressure Test	37		6.4		
Starting Test	38		6.13		
Dielectric Voltage-Withstand Test	39		6.10		
Condenser Fan Motor Failure Test	40		6.11		

Evaluation Period	2024-07-09 to 2024-07-22		Project No.	2407B2409SHA	
Sample Rec. Date	8-Jul-24	Condition	Production	Sample ID.	A240708-23
Test Location	Intertek Testing Services (Shanghai FTZ) Co., Ltd. Building No.86, 1198 Qinzhou Road (North), Shanghai 200233, P. R. 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.					
Below tests were performed on model HZB-15/B fitted with compressor MD30UA and new main control PCB.					
Test Description	UL 563:2009 Ed.8+R:26May2021 Clause		CSA C22.2 No. 120 Issued: 2013/03/01 Ed.: 4		
Leakage Current Test - Cord Connected Ice Makers	33		6.9		
Input Test	36		6.3		
Temperature and Pressure Test	37		6.4		
Starting Test	38		6.13		
Dielectric Voltage-Withstand Test	39		6.10		
Condenser Fan Motor Failure Test	40		6.11		

8.0 Test Summary					
Evaluation Period	2025-01-08 to 2025-01-17		Project No.	2501B1057SHA	
Sample Rec. Date	6-Jan-2025	Condition	Prototype	Sample ID.	A250106-23
Test Location	Building No.86, 1198 Qinzhou Road (North), Shanghai 200233, P. R. 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 60335-2-24:2022 Ed.3+R:29Feb2024& UL 60335-1:2016 Ed.6& CSA C22.2#60335-2-24:2022 Ed.3+U1& CSA C22.2#60335-1:2016 Ed.2 Clause			
Protection against access to live parts		8			
Starting of Motor-operated Appliances		9			
Power input and current		10			
Heating		11			
Leakage current and electric strength at operating temperature		13			
Moisture resistance		15			
Leakage current and electric strength		16			
Abnormal operation		19			
Stability and mechanical hazards		20			
Mechanical strength		21			
Construction		22			
Internal wiring		23			
Components		24			
Supply connection and external flexible cords		25			
Terminals for external conductors		26			
Screws and connections		28			
Creepage distance, clearances and distances through insulation		29			
Resistance to heat and fire		30			

8.0 Test Summary

Evaluation Period	2025-05-12 to 2025-05-22			Project No.	2505B1490SHA
Sample Rec. Date	6-May-2025	Condition	Prototype	Sample ID.	A250506-15
Test Location	Building No.86, 1198 Qinzhou Road (North), Shanghai 200233, P. R. 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 on HZB-12/U:

Test Description	UL 60335-2-24:2022 Ed.3+R:29Feb2024& UL 60335-1:2016 Ed.6& CSA C22.2#60335-2-24:2022 Ed.3+U1& CSA C22.2#60335-1:2016 Ed.2 Clause
Power input and current	10
Heating	11
Leakage current and electric strength at operating temperature	13
Moisture resistance	15
Leakage current and electric strength	16
Abnormal operation	19

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:	Jesse Jin	Reviewed by:	Kent Zhang
Title:	Project Engineer	Title:	Technical Supervisor
Signature:	<i>Signature on file</i>	Signature:	<i>Signature on file</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	Ningbo Hicon Industry Technology Co., Ltd.
Address	No.55, 4th Binhai Road, Qianwan New Area, Ningbo, Zhejiang Province
Country	P. R. China
Product	Ice Maker/26LB. COUNTERTOP ICE MAKER

MULTIPLE LISTEE 1	MC Appliance Corp.
Address	CNA International, Inc. d/b/a MC Appliance Corp. 940 N. Central Ave., Wood Dale, IL 60191
Country	USA
Brand Name	Magic Chef, Sunbeam, Oster

ASSOCIATED MANUFACTURER	All manufacturer(s) shown in Section 1.0
Address	
Country	

MULTIPLE LISTEE 1 MODELS	BASIC LISTEE MODELS
MCIM22W, MCIM22B, MCIM22SV, MCIM22R, MCIM22RT, HNIM27SV, SBIM22W, SBIM22B, SBIM22SV, OSIM22W, OSIM22B, OSIM22SV	HZB-12/A
MCIM22ST, HNIM27ST, HMIM27BST, SBIM22ST, OSIM22ST	HZB-12/SA
HMIM27ST, MCIM27ST	HZB-12/SH
MCIM27W, MCIM27B, MCIM27SV, MCIM27R, MCIM27M	HZB-12/H

9.0 Correlation Page For Multiple Listings	
MULTIPLE LISTEE 9	Whynter L.L.C.
Address	3320 E Birch Street, Brea CA 92821
Country	USA
Brand Name	Whynter
ASSOCIATED MANUFACTURER	All manufacturer(s) shown in Section 1.0
Address	
Country	
MULTIPLE LISTEE 9 MODELS	BASIC LISTEE MODELS
IMC-270MS, IMC-270MB, IMC-270MR	HZB-12/A

9.0 Correlation Page For Multiple Listings

MULTIPLE LISTEE 13	Curtis International Ltd.		
Address	7045 Beckett Drive, Unit 15, Mississauga, Ontario, L5S 2A3		
Country	Canada		
Brand Name	IGLOO, RCA, IMPROVEMENTS, MASTER Chef, FRIGIDAIRE, Ginny's, Chef TESTED, cook's essentials, Hamilton Beach, Frigidaire Professional, Pepsi, Mtn Dew, BUDWEISER, BUD LIGHT, FRIGIDAIRE GALLERY		
ASSOCIATED MANUFACTURER	All manufacturer(s) shown in Section 1.0		
Address			
Country			
MULTIPLE LISTEE 13 MODELS		BASIC LISTEE MODELS	
ICE101, ICE102, ICE102C, ICE108, ICE109, ICE206, RIC102, 430395, 043-0295-6, 043-0295-6, 043-7077-4, EFIC118-SILVER-KL, ICE207 or ICE303- or RIC101- or EFIC101- or EFIC102- or EFIC105- or EFIC106- or EFIC108- or EFIC113- or EFIC118- or EFIC206- or EFIC207- or ICG400- or ICM303- or RIC110- or EFIC189- or 043-7077- or RIC102- or EFIC206-TG- or EFIC111-B- or EFIC111- or EFIC189-B- or RIC110-GB- followed by up to fifteen letters		HZB-12/A	
ICE101-SS, ICE102ST, ICE105, ICE106-SS, EFIC102ST, EFIC117-SS, EFIC120-SS-SC, CE117ICE-SSRED-COM, CE117ICE-SSBLACK-COM, EFIC103_AMZ-SSBLUE-SC, HBIC3000-SSBLACK, HBIC3000-SSRED, HBIC3000-SSCOPPER, CE117ICE-FL-COM, ICE117-SS or 606780- or ICG401-CB-SS or EFIC106-SS or ICE118-SS or CE117ICE-SS or EFIC120- or EFIC315- or EFIC103- or CE117ICE-SS- or EFIC103_AMZ-SSBLACK- or EFIC103_AMZ-SSRED- or EFIC103-AMZ- or EFIC117-SSBLACK- or EFIC117-SSRED- or EFIC117-SSCOPPER- or EFIC117-SS or EFIC120-SS- or EFIC315-TG- or ICE118-SSRED- or ICE118-SSCOPPER- or ICE118-SSBLACK- or ICE118-SS- or ICE118-SSTURQUOISE- or ICG401-CB-SS or RIC117-SS followed by up to fifteen letters, ICE120-BUD, ICE121-BULT, ICE120-BUD, ICE121-BULT, FIC203-SSBLACK-CB, FIC203-SSRED-CB, FIC203-SSPURPLE-CB		HZB-12/SA	
HBIC2900-followed by up to fifteen letters, EFIC157-followed by up to fifteen letters, EFIC159-followed by up to fifteen letters, EFIC160-followed by up to fifteen letters, EFIC128-followed by up to fifteen letters, EFIC188-followed by up to fifteen letters, FIC159-GRAPHITE-GB, FIC159-RED-GB, HBIC2912-BLACK, EFIC189-B-SILVER, EFIC102-RED, EFIC102-WHITE, EFIC102-followed by up to fifteen letters, EFIC128_AMZ-BLACK, EFIC2912-BLACK, EFIC2912-followed by up to fifteen letters, EFIC125-BLACK, EFIC125-followed by up to fifteen letters		HZB-12/H	
FXIC151-SS followed by up to fifteen letters, EFIC151-SS, EFIC151-SS followed by up to fifteen letters, EFIC130-SSRED, EFIC130-SSBLACK, EFIC130-SS, EFIC151-SS followed by up to fifteen letters, PPICE103-TOMATO, PPICE103-CPEPPER, PPICE103-OCEANBLUE, PPICE103-followed by up to fifteen letters, EFIC106-SS, EFIC106-followed by up to fifteen letters, EFIC103-AMZ-SC, EFIC103_AMZ-SSRED-SC, EFIC103_AMZ-SSBLUE-SC, EFIC103_AMZ-SSBLACK-SC, EFIC1030, EFIC130-SS, EFIC117-C-SS, EFIC117-C-SSBLACK, EFIC120-B-SS-SC, EFIC120-B-BLKSS-SC		HZB-12/SH	
EFIC512, EFIC512-followed by up to fifteen letters		HZB-12/J	

9.0 Correlation Page For Multiple Listings

EFIC121- or EFIC123- or EFIC123-SS or EFIC121-B-SS followed by up to fifteen letters, EFIC123-SS_SM, EFIC123-SSBLACK_SM, EFIC123-SSRED_SM, ICE147PEP, ICE148MD, EFIC120-SS-SC, EFIC120-SS-SC-MX, EFIC120-BLKSS-SC-G2-E, EFIC120-BLKSS-SC, EFIC120-followed by up to fifteen letters, EFIC117-SS, EFIC117-SSRED, EFIC117-SSRED-COM, EFIC117-SSBLACK-CU, EFIC117-SSBLACK-COM, EFIC117-SSBLACK_SC, EFIC117-SSCOPPER, EFIC117-SSCOPPER-COM, EFIC117-followed by up to fifteen letters, EFIC127-SS-SC-EP, EFIC127-followed by up to fifteen letters EFIC108-WHITE, EFIC108-RED, EFIC108-BLACK, EFIC108-SILVER, EFIC108-BLUE, EFIC108-followed by up to fifteen letters, EFIC101-B-BLACK FGIC511SS-BLACK, FGIC511SS, FGIC511SS-RED, FGIC511SS-BLUE, FGIC511SS-followed by up to fifteen letters, FGIC511SS_SM EFIC149-SS, EFIC149-followed by up to fifteen letters, ICM122-BLACK, EFIC122-BLACK, EFIC122- followed by up to fifteen letters, 043-1544-8	HZB-12/SB HZB-12/B HZB-12/SG HZB-12/G
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9.0 Correlation Page For Multiple Listings	
MULTIPLE LISTEE 23	BEACH TRADING COMPANY INC.
Address	80 CARTER DRIVE, EDISON, NJ 08817
Country	USA
Brand Name	DECO CHEF
ASSOCIATED MANUFACTURER	All manufacturer(s) shown in Section 1.0
Address	
Country	
MULTIPLE LISTEE 23 MODELS	BASIC LISTEE MODELS
DCIMWHT, DCIMBLK, DCIMRED, DCIMBLU, DCIMTQA, DCIMTQA, DCIMPRP, DCIMGUN, DCIMYLW, DCIMPNK, DCIMSKY	HZB-12/A
DCIMSTS	HZB-12/SA

9.0 Correlation Page For Multiple Listings

MULTIPLE LISTEE 29	SeaLoon International Group (HongKong) Limited	
Address	UNIT 2601-05 26/F DELTA HOUSE NO 3 ON YIU STREET SHATIN NT, Hong Kong 999077	
Country	P.R.China	
Brand Name	Silonn	
ASSOCIATED MANUFACTURER	All manufacturer(s) shown in Section 1.0	
Address		
Country		
MULTIPLE LISTEE 29 MODELS		BASIC LISTEE MODELS
SLIM01B, SLIM01W, SLIM01S, SLIM01R, SLIM01G1, SLIM01C, SLIM01B1, SLIM01G, SLIM01G2, WSIM01W, WSIM01S, WSIM01R, WSIM01G1, WSIM01C, WSIM01B1, WSIM01B, WSIM01G, WSIM01G2, WSIM02W, WSIM02S, WSIM02R, WSIM02G1, WSIM02C, WSIM02B1, WSIM02B, WSIM02G, WSIM02G2, SLIM01C, SLIM01B, SLIM01S, SLIM01R, SLIM01G1, SLIM01BU, SLIM01G, SLIM01W, SLIM01G2, SLIM01S1, SLIM01B-1, SLIM01C-1, SLIM01S-1, SLIM01R-1, SLIM01G1-1, SLIM01BU-1, SLIM01G-1, SLIM01W-1, SLIM01G2-1, SLIM01S1-1, SLIM01B-BD, SLIM01W-BD, SLIM01S-BD, SLIM01R-BD, SLIM01G1-BD, SLIM01C-BD, SLIM01B1-BD, SLIM01G-BD, SLIM01G2-BD, SLIM01BU-BD, SLIM01G-BD, SLIM01S1-BD SLIM01, WSIM01, WSIM01S1, WSIM02S1, WSIM02, SLIM01, SLIM01T, SLIM01TC, SLIM01TB, SLIM01TS, SLIM01TR, SLIM01TG1, SLIM01TS1, SLIM01TBU, SLIM01TG, SLIM01TW, SLIM01TG2, SLIM01-1, SLIM01T-1, SLIM01TC-1, SLIM01TB-1, SLIM01TS-1, SLIM01TR-1, SLIM01TG1-1, SLIM01TS1-1, SLIM01TBU-1, SLIM01TG-1, SLIM01TW-1, SLIM01TG2-1, SLIM01-BD, SLIM01T-BD, SLIM01TC-BD, SLIM01TB-BD, SLIM01TS-BD, SLIM01TR-BD, SLIM01TG1-BD, SLIM01TS1-BD, SLIM01TBU-BD, SLIM01TG-BD, SLIM01TW-BD, SLIM01TG2-BD SLIM07S1, SLIM07S1-BD SLIM07C, SLIM07B, SLIM07S, SLIM07R, SLIM07G1, SLIM07, SLIM07B1, SLIM07G, SLIM07W, SLIM07G2, SLIM07C-BD, SLIM07B-BD, SLIM07S-BD, SLIM07R-BD, SLIM07G1-BD, SLIM07-BD, SLIM07B1-BD, SLIM07G-BD, SLIM07W-BD, SLIM07G2-BD SLIM09S1, SLIM09T, SLIM09, SLIM09T, SLIM09TC, SLIM09TB, SLIM09TS, SLIM09TR, SLIM09TG1, SLIM09TS1, SLIM09TBU, SLIM09TG, SLIM09TW, SLIM09TG2, SLIM09-BD, SLIM09S1-BD, SLIM09T-BD, SLIM09T-BD, SLIM09TC-BD, SLIM09TB-BD, SLIM09TS-BD, SLIM09TR-BD, SLIM09TG1-BD, SLIM09TS1-BD, SLIM09TBU-BD, SLIM09TG-BD, SLIM09TW-BD, SLIM09TG2-BD SLIM09C, SLIM09B, SLIM09S, SLIM09R, SLIM09G1, SLIM09, SLIM09B1, SLIM09G, SLIM09W, SLIM09G2, SLIM09C, SLIM09B, SLIM09S, SLIM09R, SLIM09G1, SLIM09BU, SLIM09G, SLIM09W, SLIM09G2, SLIM09S1, SLIM09C-BD, SLIM09B-BD, SLIM09S-BD, SLIM09R-BD, SLIM09G1-BD, SLIM09B1-BD, SLIM09BU-BD, SLIM09G-BD, SLIM09W-BD, SLIM09G2-BD, SLIM09S1-BD		HZB-12/B HZB-12/SB HZB-12/SA HZB-12/A HZB-12/SH HZB-12/H

9.0 Correlation Page For Multiple Listings

WSIM03S1, WSIM03W, WSIM03S, WSIM03, WSIM03R, WSIM03G1, WSIM03C, WSIM03B1, WSIM03B, WSIM03G, WSIM03G2 SLIM21T, SLIM21TC, SLIM21TB, SLIM21TS, SLIM21TR, SLIM21TG1, SLIM21TS1, SLIM21TB1, SLIM21TG, SLIM21TW, SLIM21TG2, SLIM21T-BD, SLIM21TC-BD, SLIM21TB-BD, SLIM21TS-BD, SLIM21TR-BD, SLIM21TG1-BD, SLIM21TS1-BD, SLIM21TB1-BD, SLIM21TG-BD, SLIM21TW-BD, SLIM21TG2-BD SLIM21C, SLIM21B, SLIM21S, SLIM21R, SLIM21G1, SLIM21, SLIM21B1, SLIM21G, SLIM21W, SLIM21G2, SLIM21S1, SLIM21C- BD, SLIM21B-BD, SLIM21S-BD, SLIM21R-BD, SLIM21G1-BD, SLIM21-BD, SLIM21B1-BD, SLIM21G-BD, SLIM21W-BD, SLIM21G2- BD, SLIM21S1-BD SLIM22C, SLIM22B, SLIM22S, SLIM22R, SLIM22G1, SLIM22BU, SLIM22G, SLIM22W, SLIM22G2, SLIM22S1, SLIM22C-BD, SLIM22B- BD, SLIM22S-BD, SLIM22R-BD, SLIM22G1-BD, SLIM22BU-BD, SLIM22G-BD, SLIM22W-BD, SLIM22G2-BD, SLIM22S1-BD SLIM22, SLIM22T, SLIM22TC, SLIM22TB, SLIM22TS, SLIM22TR, SLIM22TG1, SLIM22TS1, SLIM22TBU, SLIM22TG, SLIM22TW, SLIM22TG2, SLIM22-BD, SLIM22T-BD, SLIM22TC-BD, SLIM22TB- BD, SLIM22TS-BD, SLIM22TR-BD, SLIM22TG1-BD, SLIM22TS1- BD, SLIM22TBU-BD, SLIM22TG-BD, SLIM22TW-BD, SLIM22TG2- BD	HZB-12/C HZB-12/SG HZB-12/G HZB-12/B-W HZB-12/SB-W
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9.0 Correlation Page For Multiple Listings	
MULTIPLE LISTEE 30	None
Address	
Country	
Brand Name	
ASSOCIATED MANUFACTURER	
Address	
Country	
MULTIPLE LISTEE 30 MODELS	BASIC LISTEE MODELS

9.0 Correlation Page For Multiple Listings	
MULTIPLE LISTEE 31	Shenzhen Yihaixiang Technology Co., Ltd
Address	Room 303B, Complex Building No. 1, High-tech Industrial Park, Beier Road, Bantian Community, Bantian Street, ShenZhenShi, GuangDongSheng, 518129
Country	China
Brand Name	FOOING
ASSOCIATED MANUFACTURER	All manufacturer(s) shown in Section 1.0
Address	
Country	
MULTIPLE LISTEE 31 MODELS	BASIC LISTEE MODELS
HZB-12B-S	HZB-12/B
HZB-12B	HZB-12/SB

9.0 Correlation Page For Multiple Listings

MULTIPLE LISTEE 34	Qingdao SMAD Electric Appliances Co., Ltd	
Address	Room 906, Block C, Vanke Center, No. 2 Heilongjiang South Road, Shibei District, Qingdao, Shandong, 266000	
Country	China	
Brand Name	Smad, Smeta, TECHOMEY	
ASSOCIATED MANUFACTURER	All manufacturer(s) shown in Section 1.0	
Address		
Country		
MULTIPLE LISTEE 34 MODELS		BASIC LISTEE MODELS
DIM-26 followed by one letter; followed by N(A), TIM-26 followed by one letter; followed by N(A), HIM-26 followed by one letter; followed by N(A) DIM-26SN(A), TIM-26SN(A), HIM-26SN(A) DIM-26 followed by one letter; followed by N(B), TIM-26 followed by one letter; followed by N(B), HIM-26 followed by one letter; followed by N(B) DIM-26SN(B), TIM-26SN(B), HIM-26SN(B) DIM-26 followed by one letter; followed by N(C), TIM-26 followed by one letter; followed by N(C), HIM-26 followed by one letter; followed by N(C) DIM-26 followed by up to one letter; followed by NU(H), TIM-26 followed by up to one letter; followed by NU(H), HIM-26 followed by up to one letter; followed by NU(H) DIM-26SNU(SH), TIM-26SNU(SH), HIM-26SNU(SH), DIM-26 followed by up to one letter; followed by (S)NU(SH), TIM-26 followed by up to one letter; followed by (S)NU(SH), HIM-26 followed by up to one letter; followed by (S)NU(SH) DIM-26 followed by up to one letter; followed by NU(G), TIM-26 followed by up to one letter; followed by NU(G), HIM-26 followed by up to one letter; followed by NU(G) DIM-26SNU(SG), TIM-26SNU(SG), HIM-26SNU(SG), DIM-26 followed by up to one letter; followed by (S)NU(SG), TIM-26 followed by up to one letter; followed by (S)NU(SG), HIM-26 followed by up to one letter; followed by (S)NU(SG)		HZB-12/A HZB-12/SA HZB-12/B HZB-12/SB HZB-12/C HZB-12/H HZB-12/SH HZB-12/G HZB-12/SG

9.0 Correlation Page For Multiple Listings	
MULTIPLE LISTEE 35	GOPLUS CORP
Address	11250 poplar Ave, Fontana. Ca92337
Country	USA
Brand Name	COSTWAY
ASSOCIATED MANUFACTURER	All manufacturer(s) shown in Section 1.0
Address	
Country	
MULTIPLE LISTEE 35 MODELS	
EP22769, EP25063US	
BASIC LISTEE MODELS	
HZB-12/A	

9.0 Correlation Page For Multiple Listings	
MULTIPLE LISTEE 39	NewAir LLC
Address	6600 Katella Ave Cypress CA 90630
Country	United States
Brand Name	NewAir
ASSOCIATED MANUFACTURER	All manufacturer(s) shown in Section 1.0
Address	
Country	
MULTIPLE LISTEE 39 MODELS	BASIC LISTEE MODELS
NIM026MB00, NIM026BK00, NIM026SI00, NIM026MS00	HZB-12/B

9.0 Correlation Page For Multiple Listings	
MULTIPLE LISTEE 43	W APPLIANCE Co.,LLC
Address	1356 ROADWAY NEW YORK, NY 10018
Country	USA
Brand Name	BLACK&DECKER
ASSOCIATED MANUFACTURER	All manufacturer(s) shown in Section 1.0
Address	
Country	
MULTIPLE LISTEE 43 MODELS	BASIC LISTEE MODELS
BIMH226W	HZB-12/B
BIMH326S	HZB-12/C

9.0 Correlation Page For Multiple Listings	
MULTIPLE LISTEE 45	Shopper+ Inc.
Address	221052e, Lachine, Quebec, CA H8T2Y3, CA
Country	Canada
Brand Name	LIVINGbasics
ASSOCIATED MANUFACTURER	All manufacturer(s) shown in Section 1.0
Address	
Country	
MULTIPLE LISTEE 45 MODELS	BASIC LISTEE MODELS
LB-IM-12	HZB-12/SB
LB-IM-12A	HZB-12/A
LB-IM-12SA	HZB-12/SA
LB-IM-12B	HZB-12/B
LB-IM-12C	HZB-12/C
LB-IM-12H	HZB-12/H
LB-IM-12SH	HZB-12/SH

9.0 Correlation Page For Multiple Listings	
MULTIPLE LISTEE 47	HSNi LLC
Address	1 HSN Drive St. Petersburg, FL 33729
Country	USA
Brand Name	IMPROVEMENTS
ASSOCIATED MANUFACTURER	All manufacturer(s) shown in Section 1.0
Address	
Country	
MULTIPLE LISTEE 47 MODELS	BASIC LISTEE MODELS
794472	HZB-12/SB
816601	HZB-12/H
816601	HZB-12/SH

9.0 Correlation Page For Multiple Listings	
MULTIPLE LISTEE 50	Shenzhen Junge Yunchuang Technology Co., Ltd.
Address	1204, Unit 3, Building C, Fu Cui Yuan, Fu Cui Road, Fu Cui Community, Xixiang Street, Baoan District, Shenzhen, Guanzhou 518101
Country	China
Brand Name	ecozy
ASSOCIATED MANUFACTURER	All manufacturer(s) shown in Section 1.0
Address	
Country	
MULTIPLE LISTEE 50 MODELS	BASIC LISTEE MODELS
IM-BS260A	HZB-12/SB
IM-BS260C	HZB-12/H
IM-BS261C, IM-BS261A, IM-BS261B	HZB-12/K

9.0 Correlation Page For Multiple Listings	
MULTIPLE LISTEE 52	Shenzhen Intellirocks Tech. Co., Ltd.
Address	No.2901-2904, 3002, Block C, Section 1, Chuangzhi Yuncheng Building, Liuxian Avenue, Xili Community, Xili Street, Nanshan District, Shenzhen, Guangdong, 518000
Country	China
Brand Name	GoveeLife
ASSOCIATED MANUFACTURER	All manufacturer(s) shown in Section 1.0
Address	
Country	
MULTIPLE LISTEE 52 MODELS	BASIC LISTEE MODELS
H7172	HZB-12/SB-W

9.0 Correlation Page For Multiple Listings

MULTIPLE LISTEE 54	Ningbo Hoom Information Technology Co., Ltd.		
Address	Room 602-2, Building 1-2, Qianyang Star Plaza, No. 996, Changxing Road, Jiangbei District, Ningbo, Zhejiang 315336		
Country	P.R.China		
Brand Name	EUHOMY, ICEVIVAL, SIMZLIFE.		
ASSOCIATED MANUFACTURER	All manufacturer(s) shown in Section 1.0		
Address			
Country			
MULTIPLE LISTEE 54 MODELS		BASIC LISTEE MODELS	
IM-01, IM-01-HM, IM-01-AZ-HM, ZX-IM-01-AZ-HM, IM-01-WM-HM, ZX-IM-01-WM-HM, IM-01-TK-HM, ZX-IM-01-TK-HM, IM-01-HZ-HM, ZX-IM-01-HZ-HM, IM-01D, IM-01D-AZ-HM, ZX-IM-01D-AZ-HM, IM-01D-WM-HM, ZX-IM-01D-WM-HM, IM-01D-TK-HM, ZX-IM-01D-TK-HM, IM-01D-HZ-HM, ZX-IM-01D-HZ-HM, IM007-B, IM010-B IM-01A, IM-01B, IM-01C, IM-01D, IM-12AR, IM-12AS IM-06D, IM-06D-HM, IM-06A, IM-06A-AZ-HM, ZX-IM-06A-AZ-HM, IM-06A-WM-HM, ZX-IM-06A-WM-HM, IM-06A-TK-HM, ZX-IM-06A-TK-HM, IM-06A-HZ-HM, ZX-IM-06A-HZ-HM, IM-06B, IM-06B-AZ-HM, ZX-IM-06B-AZ-HM, IM-06B-WM-HM, ZX-IM-06B-WM-HM, IM-06B-TK-HM, ZX-IM-06B-TK-HM, IM-06B-HZ-HM, ZX-IM-06B-HZ-HM, IM-06C, IM-06C-AZ-HM, ZX-IM-06C-AZ-HM, IM-06C-WM-HM, ZX-IM-06C-WM-HM, IM-06C-TK-HM, ZX-IM-06C-TK-HM, IM-06C-HZ-HM, ZX-IM-06C-HZ-HM, IM-06D-AZ-HM, ZX-IM-06D-AZ-HM, IM-06D-WM-HM, ZX-IM-06D-WM-HM, IM-06D-TK-HM, ZX-IM-06D-TK-HM, IM-06D-HZ-HM, ZX-IM-06D-HZ-HM, IM-06E, IM-06E-AZ-HM, ZX-IM-06E-AZ-HM, IM-06E-WM-HM, ZX-IM-06E-WM-HM, IM-06E-TK-HM, ZX-IM-06E-TK-HM, IM-06E-HZ-HM, ZX-IM-06E-HZ-HM, IM-06F, IM-06F-AZ-HM, ZX-IM-06F-AZ-HM, IM-06F-WM-HM, ZX-IM-06F-WM-HM, IM-06F-TK-HM, ZX-IM-06F-TK-HM, IM-06F-HZ-HM, ZX-IM-06F-HZ-HM, IM-06G, IM-06G-AZ-HM, ZX-IM-06G-AZ-HM, IM-06G-WM-HM, ZX-IM-06G-WM-HM, IM-06G-TK-HM, ZX-IM-06G-TK-HM, IM-06G-HZ-HM, ZX-IM-06G-HZ-HM, IM-06H, IM-18A, IM-18B, IM-18D, IM-18F, IM-18G, IM001-B, IM003-B		HQB-12/SA HQB-12/A HQB-12/H	
IM-01-AP, IM-01-AP-AZ-HM, ZX-IM-01-AP-AZ-HM, IM-01-AP-WM-HM, ZX-IM-01-AP-WM-HM, IM-01-AP-TK-HM, ZX-IM-01-AP-TK-HM, IM-01-AP-HZ-HM, ZX-IM-01-AP-HZ-HM IM-06S, IM-06S-HM, IM-06S-AZ-HM, ZX-IM-06S-AZ-HM, IM-06S-WM-HM, ZX-IM-06S-WM-HM, IM-06S-TK-HM, ZX-IM-06S-TK-HM, IM-06S-HZ-HM, ZX-IM-06S-HZ-HM, IM-18S, IM-18S-AZ-HM, ZX-IM-18S-AZ-HM, IM-18S-WM-HM, ZX-IM-18S-WM-HM, IM-18S-TK-HM, ZX-IM-18S-TK-HM, IM-18S-HZ-HM, ZX-IM-18S-HZ-HM, IM-01X, IM008-B, IM003-BSI IM-19D, IM-19D-AZ-HM, ZX-IM-19D-AZ-HM, IM-19D-WM-HM, ZX-IM-19D-WM-HM, IM-19D-TK-HM, ZX-IM-19D-TK-HM, IM-19D-HZ-HM, ZX-IM-19D-HZ-HM, IM-19C, IM-19C-AZ-HM, ZX-IM-19C-AZ-HM, IM-19C-WM-HM, ZX-IM-19C-WM-HM, IM-19C-TK-HM, ZX-IM-19C-TK-HM, IM-19C-HZ-HM, ZX-IM-19C-HZ-HM, IM-19F, IM-19F-AZ-HM, ZX-IM-19F-AZ-HM, IM-19F-WM-HM, ZX-IM-19F-WM-HM, IM-19F-TK-HM, ZX-IM-19F-TK-HM, IM-19F-HZ-HM, ZX-IM-19F-HZ-HM, IM-19G, IM-19G-AZ-HM, ZX-IM-19G-AZ-HM, IM-19G-WM-HM, ZX-IM-19G-WM-HM, IM-19G-TK-HM, ZX-IM-19G-TK-HM, IM-19G-HZ-HM, ZX-IM-19G-HZ-HM, IM011-B		HQB-12/SA-W HQB-12/SH HQB-12/G	

9.0 Correlation Page For Multiple Listings	
MULTIPLE LISTEE 55	Shanghai Hotel Equipment Corp.
Address	No.1688, JiaMei Road, Jiading District, Shanghai
Country	P.R.China
Brand Name	HECMAC
ASSOCIATED MANUFACTURER	All manufacturer(s) shown in Section 1.0
Address	
Country	
MULTIPLE LISTEE 55 MODELS	BASIC LISTEE MODELS
HZB-12/AC	HZB-12/A
HZB-12/SAC	HZB-12/SA
HZB-12/BC	HZB-12/B
HZB-12/SBC	HZB-12/SB
HZB-12/CC	HZB-12/C
HZB-12/HC	HZB-12/H
HZB-12/SHC	HZB-12/SH
HZB-12/B-WC	HZB-12/B-W
HZB-12/SB-WC	HZB-12/SB-W
HZB-12/GC	HZB-12/G
HZB-12/SGC	HZB-12/SG

9.0 Correlation Page For Multiple Listings	
MULTIPLE LISTEE 56	CKGO INTERNATIONAL CO., LIMITED
Address	Keji South Twelvth Road, Shenzhen
Country	P.R.China
Brand Name	CKGO
ASSOCIATED MANUFACTURER	All manufacturer(s) shown in Section 1.0
Address	
Country	
MULTIPLE LISTEE 56 MODELS	BASIC LISTEE MODELS
CKGO-12-G	HZB-12/G

9.0 Correlation Page For Multiple Listings

MULTIPLE LISTEE 57	Guang dong mei zhi dian qi ke ji you xian gong si	
Address	The first floor of the third building of the office building, No. 1 Kui East Road, Huangpu Town, Zhongshan City (residence declaration), 528429	
Country	P.R.China	
Brand Name	magicplux	
ASSOCIATED MANUFACTURER	All manufacturer(s) shown in Section 1.0	
Address		
Country		
MULTIPLE LISTEE 57 MODELS		BASIC LISTEE MODELS
MIC12W01		HZB-12/A
MIC12S01		HZB-12/SA
MIC12R01		HZB-12/B
MIC12S02		HZB-12/SB
MIC12K01		HZB-12/C
MIC12K02		HZB-12/H
MIC12S03		HZB-12/SH
MIC12R02		HZB-12/B-W
MIC12S04		HZB-12/SB-W
MGP-IM12/G		HZB-12/G
MGP-IM12/SG		HZB-12/SG
MIC12R03		HZB-12/A-W
MIC12S05		HZB-12/SA-W
MIC12W02		HZB-12/C-W
MIC12K03		HZB-12/H-W
MIC12S06		HZB-12/SH-W
MIC12B01		HZB-12/G-W
MIC12S07		HZB-12/SG-W

9.0 Correlation Page For Multiple Listings	
MULTIPLE LISTEE 58	SHAOXING PROCCHIO TEXTILE CO., LTD
Address	Zhejiangsheng Shaoxingshi Keqiaoqu Huashejiedao Shidaiguangchang H zuo 2301-12 shi, 312025
Country	P.R.China
Brand Name	POBWAM
ASSOCIATED MANUFACTURER	All manufacturer(s) shown in Section 1.0
Address	
Country	
MULTIPLE LISTEE 58 MODELS	BASIC LISTEE MODELS
HZLS-12G HZLS-12A HZLS-12SA HZLS-12B HZLS-12SB HZLS-12C HZLS-12H HZLS-12SH HZLS-12BW HZLS-12SBW HZLS-12SG	HZB-12/G HZB-12/A HZB-12/SA HZB-12/B HZB-12/SB HZB-12/C HZB-12/H HZB-12/SH HZB-12/B-W HZB-12/SB-W HZB-12/SG

9.0 Correlation Page For Multiple Listings	
MULTIPLE LISTEE 59	Hangzhou Wenshuo E-commerce Co., Ltd
Address	25 Juye Road, Binjiang District, Hangzhou City, Zhejiang Province
Country	P.R.China
Brand Name	HALF SCALE
ASSOCIATED MANUFACTURER	All manufacturer(s) shown in Section 1.0
Address	
Country	
MULTIPLE LISTEE 59 MODELS	BASIC LISTEE MODELS
HSIM-12A	HZB-12/SA
HSIM-12SA	HZB-12/B
HSIM-12B	HZB-12/SB
HSIM-12SB	HZB-12/C
HSIM-12C	HZB-12/H
HSIM-12H	HZB-12/SH
HSIM-12SH	HZB-12/B-W
HSIM-12BW	HZB-12/SB-W
HSIM-12SBW	HZB-12/G
HSIM-12G	HZB-12/SG
HSIM-12SG	HZB-12/A-W
HSIM-12AW	HZB-12/SA-W
HSIM-12SAW	HZB-12/C-W
HSIM-12CW	HZB-12/H-W
HSIM-12HW	HZB-12/SH-W
HSIM-12SHW	HZB-12/G-W
HSIM-12GW	HZB-12/SG-W
HSIM-12SGW	

9.0 Correlation Page For Multiple Listings	
MULTIPLE LISTEE 60	Shenzhen Shihao Technology Co. Ltd
Address	D501-25, Building D, Guanghong Meiju, No.163 Pingxin North Road, He Hua Community, Pinghu Street, Longgang District, Shenzhen
Country	P.R.China
Brand Name	Otytome
ASSOCIATED MANUFACTURER	All manufacturer(s) shown in Section 1.0
Address	
Country	
MULTIPLE LISTEE 60 MODELS	BASIC LISTEE MODELS
SH-12A	HZB-12/A
SH-12/SA	HZB-12/SA
SH-12/B	HZB-12/B
SH-12/SB	HZB-12/SB
SH-12/C	HZB-12/C
SH-12/H	HZB-12/H
SH-12/SH	HZB-12/SH
SH-12/B-W	HZB-12/B-W
SH-12/SB-W	HZB-12/SB-W
SH-12/G	HZB-12/G
SH-12/SG	HZB-12/SG
SH-12/A-W	HZB-12/A-W
SH-12/SA-W	HZB-12/SA-W
SH-12/C-W	HZB-12/C-W
SH-12/H-W	HZB-12/H-W
SH-12/SH-W	HZB-12/SH-W
SH-12/G-W	HZB-12/G-W
SH-12/SG-W	HZB-12/SG-W
SH-12/K	HZB-12/K

9.0 Correlation Page For Multiple Listings	
MULTIPLE LISTEE 61	Enchante.Accessories,Inc.
Address	149.Madison Ave 5th Floor, NY.10016
Country	USA
Brand Name	CWC, CASSIA, RAE DUNN
ASSOCIATED MANUFACTURER	All manufacturer(s) shown in Section 1.0
Address	
Country	
MULTIPLE LISTEE 61 MODELS	BASIC LISTEE MODELS
WIM01, YWIM01, SIM01, YSIM01, CHBIM01, RDIM01, YRDIM01	HZB-12/SH

9.0 Correlation Page For Multiple Listings

MULTIPLE LISTEE 62	Shenzhen Shengzhen Yunchuang Technology Co., Ltd.	
Address	14A, Block A, Building 1, Sangtai Danhua Yuan, No. 12, Lishan Road, University Town Community, Taoyuan Street, Nanshan District, Shenzhen, Guanzhou 518101	
Country	China	
Brand Name	easyera	
ASSOCIATED MANUFACTURER	All manufacturer(s) shown in Section 1.0	
Address		
Country		
MULTIPLE LISTEE 62 MODELS		BASIC LISTEE MODELS
IM-BS261G		HZB-12/H

9.0 Correlation Page For Multiple Listings	
MULTIPLE LISTEE 63	CICA HOMORE INC
Address	11190 White Birch Dr Suite 100, Rancho Cucamonga, CA 91730
Country	USA
Brand Name	E-MACHT
ASSOCIATED MANUFACTURER	All manufacturer(s) shown in Section 1.0
Address	
Country	
MULTIPLE LISTEE 63 MODELS	BASIC LISTEE MODELS
ET97006	HZB-12/G

9.0 Correlation Page For Multiple Listings	
MULTIPLE LISTEE 64	AOSOM E-COMMERCE INC.
Address	6-9F, MIDDLE TOWER OF MH MANSION, NO. 288 XILU ROAD, ZHUANGSHI STREET, ZHENHAI DISTRICT, NINGBO CITY, ZHEJIANG
Country	China
Brand Name	HOMCOM
ASSOCIATED MANUFACTURER	All manufacturer(s) shown in Section 1.0
Address	
Country	
MULTIPLE LISTEE 64 MODELS	BASIC LISTEE MODELS
800-185V80BK	HZB-12/G
800-154V80BK	HZB-12/H

9.0 Correlation Page For Multiple Listings	
MULTIPLE LISTEE 65	VIVOHOME INC.
Address	3350 SHELBY ST, STE 200, ONTARIO, CA, 91764
Country	USA
Brand Name	VIVOHOME
ASSOCIATED MANUFACTURER	All manufacturer(s) shown in Section 1.0
Address	
Country	
MULTIPLE LISTEE 65 MODELS	BASIC LISTEE MODELS
VH289, VH289-SL, VH289-BK, VH807, VH808, VH289- followed by up to ten letters, VH1117- followed by up to ten letters	HZB-12/A
VH559-RE, VH559-SL, VH559- followed by up to ten letters	HZB-12/B
VH1042, VH1042- followed by up to ten letters	HZB-12/C
VH1179- followed by up to ten letters	HZB-12/G
VH1245, VH1246, VH1247, VH1247-followed by up to ten letters	HZB-12/H

9.0 Correlation Page For Multiple Listings	
MULTIPLE LISTEE 66	Megagoods Inc
Address	26308 Spirit Court Santa Clarita CA91350
Country	USA
Brand Name	MegaChef
ASSOCIATED MANUFACTURER	All manufacturer(s) shown in Section 1.0
Address	
Country	
MULTIPLE LISTEE 66 MODELS	BASIC LISTEE MODELS
MCAM-3800	HZB-12/H
MCAM-1000	HZB-12/SH

9.0 Correlation Page For Multiple Listings	
MULTIPLE LISTEE 67	Boost Doctors LLC
Address	3602 W Sample Street, South Bend, IN 46619
Country	USA
Brand Name	COMMODORE
ASSOCIATED MANUFACTURER	All manufacturer(s) shown in Section 1.0
Address	
Country	
MULTIPLE LISTEE 67 MODELS	BASIC LISTEE MODELS
CMBIM-01B	HZB-12/H

9.0 Correlation Page For Multiple Listings	
MULTIPLE LISTEE 68	Aterian Group Inc.
Address	251 Little Falls Drive, Wilmington, Delaware 19808
Country	USA
Brand Name	hOmeLabs
ASSOCIATED MANUFACTURER	All manufacturer(s) shown in Section 1.0
Address	
Country	
MULTIPLE LISTEE 68 MODELS	BASIC LISTEE MODELS
HME010019N, HME010933N	HZB-12/A
HME0096	HZB-12/G

9.0 Correlation Page For Multiple Listings	
MULTIPLE LISTEE 69	SHANGHAI SISHUN ELECTRONIC COMMERCE CO., LTD
Address	1701 Midea Real Estate Building, Shunde District, Foshan City, Guangdong Province
Country	China
Brand Name	VEVOR
ASSOCIATED MANUFACTURER	All manufacturer(s) shown in Section 1.0
Address	
Country	
MULTIPLE LISTEE 69 MODELS	BASIC LISTEE MODELS
HZB-12/G	HZB-12/G
HZB-15SA	HZB-15SA
HZB-12/SG	HZB-12/SG

9.0 Correlation Page For Multiple Listings	
MULTIPLE LISTEE 70	CyberChill Limited
Address	Rm 12, 8/F, Tak Lee Industrial Centre Block B, Tsing Yeung Circuit, Tuen Mun, Hong Kong
Country	P.R.China
Brand Name	cyberchill
ASSOCIATED MANUFACTURER	All manufacturer(s) shown in Section 1.0
Address	
Country	
MULTIPLE LISTEE 70 MODELS	BASIC LISTEE MODELS
IM-BS260A	HZB-12/SB
IM-BS260C, IM-BS260B, IM-BS262C, IM-BS262B	HZB-12/H
IM-BS261C, IM-BS261A, IM-BS261B	HZB-12/K

9.0 Correlation Page For Multiple Listings	
MULTIPLE LISTEE 71	OVAN (HONG KONG) TECHNOLOGY LIMITED
Address	19H MAXGRAND PLAZA,NO.3 TAI YAU ST SAN PO KONG,HONG KONG
Country	P.R.China
Brand Name	WIE
ASSOCIATED MANUFACTURER	All manufacturer(s) shown in Section 1.0
Address	
Country	
MULTIPLE LISTEE 71 MODELS	BASIC LISTEE MODELS
WI26USB-C201, WI26USB-C201-B, WI26USB-C201-W, WI26USB-C201-S, WI33USB, WI33USB-B, WI33USB-W, WI33USB-S	HZB-12/G, HZB-12/G, HZB-12/G, HZB-12/SG, HZB-15B, HZB-15B, HZB-15B, HZB-15SB

10.0 General Information

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

COMPONENTS

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

LISTING MARK

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

The mark must include the following four items:

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

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

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

Can be used together when both standards are used.

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

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

The facsimile need not have a control number. A control number will be issued **after signed Certification**

Agreements have been received by the Follow-up Services office, approval of the facsimile of your proposed Listing Mark, satisfactory completion of the Listing Report, and scheduling of a factory assessment in your facility.

MANUFACTURING AND PRODUCTION TESTS

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

FOLLOW-UP SERVICE

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

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

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

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

10.1 Evaluation of Unlisted Components

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

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

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

Managing CEC Location:

Intertek Testing Services (Shanghai FTZ) Co., Ltd

ETL Component Evaluation Center

Building No. 86, 1198 Qinzhou Road (North)

Shanghai 200233, China

Attn: Ms. Emiliana Zhou

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

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.	800V	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

Method

As a routine production-line verification, each product shall be tested and proved tight at not less than the design pressures marked on the products.

At least once each year, the manufacturer shall conduct a strength test on refrigerant containing parts of the shell type, including compressor shells that have an inside diameter greater than 3inches(76mm). The test shall be conducted on at least one sample of each size and type. The sample shall be proved tight when subjected to pressures indicated under Strength Tests - Pressure Containing Components, Section 65.

Refrigerant-containing components shall be tested and proved tight at no less than the marked design pressure:

Products Requiring Pressure Tests for Leakage and Strength:

All products covered by this Report.

High-side parts tested by 290 psig (2000 kPa), low-side parts tested by 88 psig (634 kPa).

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-Nov-2010	Zephyr Huang	7	2A-2C	Add M/L markings for different trade mark
SH10110943SH	Jim Zhao	9		Add M/L, MC Appliance Corp. and listee's model name
10-Dec-2010	Zephyr Huang	7	2C	Replace marking plates for Oster
SH10110943SH	Jim Zhao			
23-Feb-2011	Zephyr Huang	7	2D, 2E	Add M/L markings for Sunpentown
SH11020375SH	Jim Zhao	9		Add M/L, Sunpentown Int'l Inc. and listee's model name
17-Jun-2011	Zephyr Huang	3	2A	Add an alternative appearance for different location of panel, which is low voltage parts
SH11060870SH	Jim Zhao	4	12d	Add an ice melting valve, FDF-2A by Tianchang Tianhao
27-Jun-2011	Zephyr Huang	7	2F	Add M/L markings for Avanti
SH11061326SH	Jim Zhao	9		Add M/L no. 3, Avanti Products, Div of Mackle Co Inc.
8-Aug-2011	Brian Zhang	7	2G	Add M/L markings for Newair Asia
SH11080407SH	Zephyr Huang	9	/	Add M/L no. 4, Newair Asia Co., Ltd.
19-Sep-2012	Brain Zhang	3	Photo 5, 6	Revise SMPS
SH12081347SH A	Zephyr Huang	4	13	Revise parameters due to switching transformer is changed
		7	ill. 2H	Add marking label for M/L No. 5, Dometic, LLC
		9	M/L	Add ML models HZB-12A and HZB-12SA for M/L No. 5, Dometic, LLC
14-Jan-2013	Brian Zhang	4	8c	Add alternative syn. motor, MS by Ming Jong
SH13010219SH A	Zephyr Huang	4	9e	Add alternative condenser fan motor, PY-1225H12S by Poweryear
		4	16d	Add alternative acorss-the-line capacitor, MPX-X2 by Fu Xin Pan
		4	19g	Add alternative quick-connect terminals, NL6.3A-005 by NADELI
		8	Test	Perform necessary tests due to added fan motor
26-Mar-2013	Brian Zhang	2	Rating	Revise rated ice making and harvest current due to alternative compressor used
130300164SHA	Zephyr Huang	3	Photo 5, 6	Replace photos because switching method for ice-melting valve and syn. motor are changed to be controlled by optical isolator in conj. with triacs; one of Y capacitors is removed
		3	Item	Re-allocate item number 20, 21, 22 and 24 due to new switching method
		4	6a	Add an alternative compressor, B30H5 by HUAYI
		4	10	Correct from "inside diameter" to "outside diameter"
		4, 5	12c	Remove annual test status for valve of DTF-1
		4	15	Add remark for Y capacitor
		4	20-26	Introduce new components of electronic switch in 20 and 21; re-allocate item 22 to 26
		7	1 to 3	Add 1A and 1B of markings for units equipped with alternative comp. B30H5; Add notes for basic and M/L markings and user illustrations to indicate comp. QD28H11 is equipped
		8	Test	Perform necessary tests due to above changes
20-Jun-2013	Brian Zhang	7	Marking No. 2CC	Add marking label for M/L No. 1, model HNIM27SV

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
130601224SHA	Zephyr Huang	7	Marking No. 2I	Add marking label for M/L No. 6, model CE7813#
		9	M/L No. 1	Add model HNIM27SV for M/L No. 1, MC Appliance Corp., basic model HZB-12/A
		9	M/L No. 6	Add M/L No. 6, CE North America LLC. and its model CE7813#, basic model HZB-12/A
26-Jun-2013	Brian Zhang	7	Marking No. 2J, 2K	Add marking label for M/L No. 7, model ICE100, ICE100* and ICE100COKE
130601224SHA	Zephyr Huang	9	M/L No. 7	Add M/L No. 7, Nostalgia Products Group, LLC. and its model ICE100, ICE100* and ICE100COKE, basic model HZB-12/A
12-Sep-2013	Brian Zhang	7	Marking No. 2L	Add marking label for M/L No. 8, model KIM202W
130900619SHA	Zephyr Huang	7	Marking No. 2M	Add marking label for M/L No. 9, model IMC-270MS
		9	M/L No. 8	Add M/L No. 8, Living Direct Inc. and its model KIM202W, basic model HZB-12/A
		9	M/L No. 9	Add M/L No. 9, Whynter LLC. and its model IMC-270MS, basic model HZB-12/A
17-Sep-2013	Brian Zhang	7	Marking No. 2N	Add marking label for M/L No. 10, model IM2096
130900978SHA	Zephyr Huang	9	M/L No. 10	Add M/L No. 10, SALTON APPLIANCES (1985) CORP./SWG CANADA and its model IM2096, basic model HZB-12/A
19-Nov-2013	Brian Zhang	2	Rating	Assign same rating for appliances fitted with new compressor L30H5L
131100589SHA	Zephyr Huang	3	7-10	Add pictures for promoted SMPS
		4	6b	Add an alternative compressor, L30H5L by HUAYI
		4	17j	Add an alternative varistor, NFC10D331K and NFC14D561K by GUANGXI NEW FUTURE
		4	18	Clarify the item name to fuse (glass tube type)
		4	27	Add fuse (micro type) as an alternative
		4	20	Add number 10 as called out photo because it is shared in new one
		7	ill. 1-2	Add notes for L30H5L in rating label
		8	Test	Perform necessary tests due to alternative compressor is added
2-Dec-2013	Brian Zhang	7	Marking No. 2O	Add marking label for M/L No. 11, model FCI121B, FCI122R and FCI126Z
131200004SHA	Zephyr Huang	9	M/L No. 11	Add M/L No. 11, Franklin USA and its model FCI121B, FCI122R and FCI126Z, basic model HZB-12/A
9-May-2014	Brian Zhang	3	2B	Add picture for alternative panel
140500301SHA	Zephyr Huang	3	11, 12	Add pictures for promoted SMPS
		4	21	Add description for optical isolator as "optional parts" since it can be removed in promoted SMPS
		7	All markings	Remove "M91" behind C22.2 No.120 since the CSA standard is updated to edition March 2013
		7	Marking No. 2P	Add marking label for M/L No. 12, model HPIM25SS and HPIM25W

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
		1, 8	std.	Update standard of UL 563, 8th edition from revision 19-Nov-2009 to dated 29-Nov-2013; Update standard of CSA C22.2 No. 120 from R2004 to edition March 2013; Necessary tests per CSA standard are performed
		9	M/L No. 12	Add M/L No. 12, Haier America Trading LLC and its model HPIM25SS and HPIM25W, basic model HZB-12/SA and HZB-12/A respectively
19-May-2014	Brian Zhang	3	Photo 11	Call out item 27 to introduce transformer without optical isolator as feedback
140500301SHA	Zephyr Huang	4	27	Add item 27 and description
		4	8	Add current mfr. name Wuxi Dexun Fuda Motor Co., Ltd. before former name Wuxi Dexun Micro Motor Co., Ltd.
		4	14	Add remark for its specific use
		4	21	Remove wrong description "optional parts"
		4	22h	Add alternative relay model JQC-3FF by Ningbo Zettler Electronics Co., Ltd.
15-Jul-2014	Brian Zhang	7	Marking No. 2GA	Add marking label for M/L No. 4, model AB-ICE26R with brand name AVALON BAY, as a demo
140700704SHA	Zephyr Huang	7	Marking No. 2Q	Add marking label for M/L No. 13, model ICE101, ICE102, IEC102C, ICE108, ICE102ST, ICE105 and RIC102 with brand name IGLOO or RCA
		9	M/L No. 4	Add AB-ICE26SS, AB-ICE26SS, AB-ICE26SS and AB-ICE26SS for M/L No. 4, Newair Asia Co., Ltd. with brand name AVALON BAY, corresponding to basic model HZB-12/SA and HZB-12/A
		9	M/L No. 13	Add M/L No. 13, Curtis International Ltd. and its model ICE101, ICE102, IEC102C, ICE108, ICE102ST, ICE105 and RIC102 with brand name IGLOO or RCA, corresponding to basic model HZB-12/A and HZB-12/SA respectively
30-Jan-2015	Jimmy Zhang	7	Marking No. 2M	Add note 2 for marking of M/L No. 9 to indicate that the marking of new model IMC-270MB, IMC-270MR are same as that of IMC-270MS except for model number
150101822SHA	Zephyr Huang	9	M/L No. 9	Add new model IMC-270MB, IMC-270MR for M/L No. 9, WHYNTER LLC with brand name Whynter, corresponding to basic model HZB-12/A
24-Mar-2015	Brian Zhang	2	Rating	Illustrate alternative compressors for original ratings
150301277SHA	Zephyr Huang	3	13, 14	Add pictures for alternative compressors
		4	6c	Add an alternative compressor, MV3011H by HUAYI
		4	6d	Add an alternative compressor, QD30H11G by ANUODAN
		4	All	Replace all "/" by "various" due to formatting
		7	All	Add remarks to include alternative compressors
		8	Test	Perform necessary tests due to adding alternative compressors
30-Jun-2015	Brian Zhang	7	Marking No. 2A, 2B, 2C, 2D, 2E	Update ETL certification logo
150602235SHA	Zephyr Huang	7	Marking No. 2R	Add marking label for model 430395 with brand name IMPROVEMENTS for M/L No. 13

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
		9	M/L No. 13	Add model 430395 with brand name IMPROVEMENTS, corresponding to basic model HZB-12/A for M/L No. 13, Curtis International Ltd.
6-Aug-2015	Jimmy Zhang	5	-	Replace the table in strikethrough line (which have been delteded before) with " No Unlisted CEC components are used in this report."
150800102SHA	Brian Zhang	7	Marking No. 2S, 2T, 2U	Add marking label for model 043-0295-6 with brand name MASTER CHEF, model ICE206, ICE109 with brand name IGLOO for M/L No. 13
15-Oct-2015	Jimmy Zhang	7	Marking No. 2V	Add marking label of 504767 RED with brand name IMPROVEMENTS as representative for M/L No. 14, Improvements Catalog
151000714SHA	Brian Zhang	9	M/L No. 14	Add model 504767 BLK, 504767 RED, 504767 SLV, 504767 SST, 504767 WHT with brand name IMPROVEMENTS for M/L No. 14, Improvements Catalog, corresponding to basic model HZB-12/A
8-Jan-2016	Jimmy Zhang	7	Marking No. 2W	Add marking label of model HZB-12/A-BLK with brand name David Burke as representative for M/L No. 15, IBD (USA) International, Inc
160100269SHA	Brian Zhang	9	M/L No. 15	Add M/L No. 15, IBD (USA) International, Inc. and its model HZB-12/A-BLK, HZB-12/A-RED, HZB-12/SA with brand name David Burke, corresponding to basic model HZB-12/A, HZB-12/A and HZB-12/SA respectively
12-Apr-2016	Jimmy Zhang	4	12c	Change the manufacturer name from "CHANGZHOU CHANGHENG LUSI ELECTRIC APPLIANCE CO LTD" to "CHANGZHOU LUSI ELECTRIC APPLIANCE CO LTD", and add alternative model DTF-1-2A, FDA-2A by this factory
160301761SHA	Brian Zhang	7	Marking No. 2CD	Add marking label of model MCIM22R with brand name Magic Chef for M/L No. 1, MC Appliance Corp.
		9	M/L No. 1	Change the address of M/L 1 MC Appliance Corp from "777 Mark St., Wood Dale, IL, 60191 " to " CNA International, Inc. d/b/a MC Appliance Corp. 940 N. Central Ave., Wood Dale, IL 60191 ", and add a new model MCIM22R with brand name Magic Chef, corresponding to basic model HZB-12/A
4-May-2016	Jimmy Zhang	7	Marking No. 2X	Add marking label of model PIM-1-2 with brand name Hamilton Beach for M/L No. 16, PRS Enterprises
160500260SHA	Brian Zhang	9	M/L No. 16	Add M/L No. 16, PRS Enterprises, and its model PIM-1-2 with brand name Hamilton Beach, corresponding to basic model HZB-12/A
14-Jun-2016	Jimmy Zhang	7	Marking No. 2V	Replace the marking label of 504767 BLK with 504767 BLU with brand name IMPROVEMENTS as representative for M/L No. 14, Improvements Catalog
160600900SHA	Brian Zhang	9	M/L No. 14	Replace the previous model 504767 BLK, 504767 RED, 504767 SST, 504767 SLV, 504767 WHT with the new model 504767 * (* indicates different colors of the ice maker, e.g. 504767 BLU, 504767 BLK, 504767 SLV), 504767 SST with brand name IMPROVEMENTS for M/L No. 14, Improvements Catalog, corresponding to basic model HZB-12/A, HZB-12/SA

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-2016	Jimmy Zhang	7	Marking No. 2CE	Add marking label of model HNIM27ST with brand name Magic Chef for M/L No. 1, MC Appliance Corp.
160700933SHA	Brian Zhang	7	Marking No. 2Y	Add marking label of K-ICEMAKERSS with brand name Keyton for M/L No. 17, BHRS Group LLC.
		9	M/L No. 1	Add new model HNIM27ST with brand name Magic Chef for M/L No. 1, MC Appliance Corp., corresponding to basic model HZB-12/SA.
		9	M/L No. 17	Add model K-ICEMAKERSS with brand name Keyton for M/L No. 17, BHRS Group LLC., corresponding to basic model HZB-12/SA.
28-Oct-2016	Jimmy Zhang	1	Mfr.	Add manufacturer 2: Ningbo Jinbangda Intelligent Vending Equipment Co., Ltd. / No. 55, 4th Binhai Road, Hangzhou Bay New Zone, Ningbo, Zhejiang 315336, P.R.China
161001128SHA	Brian Zhang	4	12	Correct the model from " FDF2A08 " to " FDF2A "
		4	12c	Change the manufacturer name from "CHANGZHOU LUSI ELECTRIC APPLIANCE CO LTD" to "CHANGZHOU CHANGHENG LUSI ELECTRIC APPLIANCE CO LTD"
		4	12e	Add alternative valve manufactured by JIANGSU DEBAYI REFRIGERANT EQUIPMENT CO LTD
		7	III. 1C	Add label of model HZB-12/A with new control no. 5005616 as representative for Manufacturer 2: Ningbo Jinbangda Intelligent Vending Equipment Co., Ltd.
		9	M/L No. 1- 17	Change the description of ASSOCIATED MANUFACTURER from " Ningbo New Hicon Electrical Appliance Co., Ltd." to " All manufacturers shown in Section 1.0 ", change the Address and Country to blank from 1st Xingci Road, 4th Binhai Road, Hangzhou Bay New Zone, Cixi, Ningbo, Zhejiang Province 315336 / P.R.China
12-Dec-2016	Jimmy Zhang	7	III. 2Z	Add label of model ICE101-SS with brand name IGLOO, ICE303-SILVER with brand name MASTER CHEF, RIC101-SILVER with brand name RCA as representative for M/L No. 13, Curtis International Ltd
161200716SHA	Brian Zhang	7	III. 2AA	Add label of model 80901/105-106-107-108 as representative for M/L No. 18, TRAMONTINA USA INC
		9	M/L No. 13	Add new model ICE101-SS, ICE117-SS, ICE207-* (* = any letters from A to Z to represent the different color of ice makers) with brand name IGLOO, ICE303-* (* = any letters from A to Z to represent the different color of ice makers) with brand name MASTER CHEF, RIC101-* (* = any letters from A to Z to represent the different color of ice makers) with brand name RCA for M/L No. 13, Curtis International Ltd, corresponding to basic model HZB-12/SA, HZB-12/SA, HZB-12/A, HZB-12/A, HZB-12/A
		9	M/L No. 18	Add M/L No. 18, TRAMONTINA USA INC, and model 80901/105-106-107-108, 80901/105, 80901/106, 80901/107, 80901/108 with brand name TRAMONTINA, corresponding to basic model HZB-12/SA

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
13-Feb-2017	Jimmy Zhang	2	Ratings	Add ratings owing to adding alternative compressor L48C5L used
170100762SHA	Kent Zhang	3	15	Add photo of alternative compressor L48C5L
		4	6e	Add alternative compressor information
		7	III. 1D	Add marking of HZB-12A as representative for using alternative compressor L48C5L
		7	III. 2WA	Add label of model HZB-12/SA with brand name CHEFS for M/L No. 15, IBD (USA) International, Inc.
		8	Test Items	Add test items owing to adding alternative compressor L48C5L
		9	M/L No. 15	Add new model HZB-12/SA with brand name CHEFS for M/L No. 15, IBD (USA) International, Inc., corresponding to basic model HZB-12/SA
7-Mar-2017	Jimmy Zhang	3	15	Correct the photo for alternative compressor L48C5L
170300240SHA	Kent Zhang	6	9	Modify "NA" to " Refer to Illustration No. 4, 4a for details"
		7	III. 4	Add cautionary markings for models which use compressor L48C5L
		7	III. 4a	Add Shipping Carton marking for models which use compressor L48C5L
26-May-2017	Jimmy Zhang	2	/	Add new model HZB-12/B, add its model similarity and ratings
170500356SHA	Kent Zhang	3	2B, 2C	Add overall view for new model HZB-12/B
		3	2D, 2E	Add alternative console panel for new model HZB-12/B
		3	4A, 4B	Add internal view for new model HZB-12/B
		3	12A, 12B	Add photos of promoted main PWB
		3	12C, 12D	Add photos of control PWB (LCD)
		3	16	Add photo of compressor L48C5L for HZB-12/B
		4	6, 6a-6d	Add the descripton "For HZB-12/A, HZB-12/SA: " in Technical Data item
		4	6e	Add the descripton "For HZB-12/A, HZB-12/SA, HZB-12/B: " in Technical Data item
		7	III. 1E	Add marking of new model HZB-12/B
		7	III. 4	Remove the last CAUTION sentence in English and French, split the whole marking into 3 separate makings and specify their paste location
		8	Test Items	Add test items owing to adding new model HZB-12/B
		9	III. 1	Add new model MCIM22RT, HMIM27BST with brand name Magic Chef for M/L No. 1, MC Appliance Corp.
16-Aug-2017	Jimmy Zhang	9	M/L 13	Add new model ICE106-SS for M/L 13, Curtis International Ltd.
170801311SHA	Kent Zhang			
22-Aug-2017	Jimmy Zhang	7	III. 2-19	Add nameplate of HZB-12A as representative for M/L 19, MIDWEST SALES&SERVICE INC.
170801861SHA	Kent Zhang	9	M/L 19	Add new M/L 19, MIDWEST SALES&SERVICE INC.
15-Jan-2018	Jimmy Zhang	4	8b	Update the manufacturer name from "CIXI JIULING ELECTRIC APPLIANCE CO LTD" to " NINGBO JIULING MOTOR CO LTD", and update the model from " 49TYJ-B" to "49TYJ".
180100302SHA	Kent Zhang	6	11	Add the relationship of model and brand name for M/L No. 13, Curtis International Ltd.

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
		9	M/L No. 13	Change model from "ICE117-SS" to "ICE117-SS may be followed by any letters from A to Z" for M/L No. 13, Curtis International Ltd.
28-Apr-2018	Darren Zhao	3	Photo 2F-2M, 12E	Add photographs of alternative overall views, operation panels for models HZB-12/A and HZB-12/SA; and display and control PWB (LED).
180400862SHA	Kent Zhang	4	24h, 24i, 24j	Add alternative Main PWBs, "XT-02" manufactured by "ZHEJIANG CORE POINT TECHNOLOGY CO LTD", "YFL-D" manufactured by "DONGGUAN FAN LI SHENG ELECTRONICS CO LTD" and "H-01" manufactured by "WENZHOU HUABANG ELECTRONICS CO LTD".
		7	III. No. 2J, 2K	Remove the nameplates for all models of brand Nostalgia Products Group, LLC.
		7	III. No. 2AB	Correct the illustration number, from "2-19 nameplate for M/L 19" to "2AB for M/L 19".
		9	M/L No. 7	Remove all Multiple Listee No. 7 models including ICE100, ICE100* and ICE100COKE of brand Nostalgia Products Group, LLC.
22-May-2018	Darren Zhao	7	III. No. 2AC, 2AD	Add nameplates of models "EFIC101-*","EFIC102-*","EFIC102ST","EFIC105-*","EFIC106-*","EFIC108-*","EFIC117-SS","EFIC118-*","EFIC206-*","EFIC207-*","ICG400-*","ICG401-CB-SS*" and "606780-*" for Multiple Listee No. 13, Curtis International Ltd.
180402691SHA	Kent Zhang	9	M/L No. 13	Modify description for existing models "ICE117-SS may be followed by up to six letter", "ICE207- followed by any letters from A to Z", "ICE303- followed by any letters from A to Z" and "RIC101- followed by any letters from A to Z" for Multiple Listee No. 13, into "ICE117-SS*", "ICE207-*", "ICE303-*" and "RIC101-*" with remark.
		9	M/L No. 13	Add new models "EFIC101-*","EFIC102-*","EFIC102ST","EFIC105-*","EFIC106-*","EFIC108-*","EFIC117-SS","EFIC118-*","EFIC206-*","EFIC207-*","ICG400-*","ICG401-CB-SS*" and "606780-*" with remark for Multiple Listee No. 13, Curtis International Ltd, corresponding to basic models HZB-12/A, HZB-12/A, HZB-12/SA, HZB-12/A, HZB-12/A, HZB-12/A, HZB-12/SA, HZB-12/A, HZB-12/A, HZB-12/SA and HZB-12/SA respectively.
27-Jun-2018	Jazz Law	9	18	Deleted ML.
180600166RFC	Pearly Yu			
4-Jul-2018	Darren Zhao	7	III. No.	Modify description with adding "for M/L No. 21".
180600346SHA	Kent Zhang	7	III. No. 2AE	Add nameplates of model "HME010019N" for Multiple Listee No. 20, hOmeLabs LLC.
		9	M/L No. 20	Add Multiple Listee No. 20, hOmeLabs LLC, with its model "HME010019N" corresponding to basic model HZB-12/A.
		9	M/L No. 21	Add Multiple Listee No. 21, TRAMONTINA USA INC, with its all models "80901/105-106-107-108", "80901/105", "80901/106", "80901/107" and "80901/108" corresponding to same basic model HZB-12/SA.

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
12-Oct-2018	Even Li	6	11	Add description of relationship between basic model and M/L model for M/L No.9, Whynter L.L.C..
181000266SHA	Kent Zhang	7	III. No. 2M-1, 2M-2	Add nameplate of model "IMC-270MS" used the refrigerant R600a for Multiple Listee No.9, Whynter L.L.C..
		9	M/L No. 9	Update the multiple listee name from "WHYNTER LLC." to "Whynter L.L.C."; Update the multiple listee address from "12406 BELL RANCH DRIVE, SANTA FE SPRINGS, CA 90670" to "3320 E Birch Street, Brea CA 92821".
23-Oct-2018	Darren Zhao	6	11	Add model similarities for Multiple Listee No. 21, TRAMONTINA USA INC.
180900758SHA	Kent Zhang	7	III. No. 2AF	Add nameplates of models "80901/105", "80901/106", "80901/107", "80901/108" and "80901/110" equipped with compressor L48C5L used refrigerant R600a for Multiple Listee No. 21, TRAMONTINA USA INC.
		9	M/L No. 21	Add new model "80901/110" for Multiple Listee No. 21, TRAMONTINA USA INC, corresponding to basic model HZB-12/SA.
11-Dec-2018	Darren Zhao	1	/	Modify the address of Applicant, from "No.68 Kaifa Road, Zhouxiang Town, Cixi City, Ningbo, Zhejiang Province 315324, P. R. China" to "No.55, 4th Binhai Road, Hangzhou Bay New Zone, Ningbo, Zhejiang 315336, P. R. China"; Modify the name and address of Manufacturer 1, from "Ningbo New Hicon Electrical Appliance Co., Ltd." to "Ningbo Hicon International Industry Co., Ltd.", and from "1st Xingci Road, 4th Binhai Road, Hangzhou Bay New Zone, Cixi, Ningbo, Zhejiang Province 315336, P. R. China" to "No.55, 4th Binhai Road, Hangzhou Bay New Zone, Ningbo, Zhejiang 315336, P. R. China"; Remove all information about Manufacturer 2, "Ningbo Jinbangda Intelligent Vending Equipment Co., Ltd.".
181102049SHA	Kent Zhang	2	Ratings	Add information about alternative compressor QD48Y11G used refrigerant R600a for all models.
		3	Photo 2EA, 17, 18	Add photographs for open lid view with white appearance colour for model HZB-12/B and compartment view of alternative compressor QD48Y11G for all models HZB-12/A, HZB-12/SA and HZB-12/B.
		4	6f	Add an alternative compressor for all models, "QD48Y11G" manufactured by "NINGBO ANUODAN MACHINERY CO LTD".
		6	11	Add new M/L model similarities and correct typing error.
		7	Original III. No. 1C, 2D, 2E, 2F, 2H, 2I, 2N, 2O, 2P, 2V, 2W, 2WA,	Remove the marking labels for Manufacturer 2 of brand HICON and all M/L models of brand SPT, SUNPENTOWN, AVANTI, Dometic, Continental Electric, Salton, Franklin Chef, Haier, IMPROVEMENTS, David Burke, CHEFS, Hamilton Beach and Keyton, corresponding to Multiple Listee No. 2, 3, 5, 6, 10, 11, 12, 14, 15, 16 and 17.
		7	III. No. 1D-1E, 2A-2AF	Update remarks of illustrations with adding related M/L numbers and information about compressor QD48Y11G used refrigerant R600a; Modify typing error.

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
		8	Test items	Some necessary tests were performed.
		9	All listees	Remove Manufacturer 2 "Ningbo Jinbangda Intelligent Vending Equipment Co., Ltd." in Basic Listee and all Multiple Listees.
		9	M/L No. 2	Remove Multiple Listee No. 2 with all models including "IM-121S" and "IM-121B" (same as basic model HZB-12/A) of brand SPT and SUNPENTOWN, company name Sunpentown Int'l Inc.
		9	M/L No. 3	Remove Multiple Listee No. 3 with model "IM12-IS" (same as basic model HZB-12/A) of brand AVANTI, company name Avanti Products, Div of Mackle Co. Inc.
		9	M/L No. 5	Remove Multiple Listee No. 5 with all models including "HZB-12A" (same as basic model HZB-12/A) and "HZB-12SA" (same as basic model HZB-12/SA) of brand Dometic, company name Dometic, LLC.
		9	M/L No. 6	Remove Multiple Listee No. 6 with models "CE7813#" (# means alpha-numeric character 0-9, same as basic model HZB-12/A) of brand Continental Electric, company name CE North America LLC.
		9	M/L No. 10	Remove Multiple Listee No. 10 with model "IM2096" (same as basic model HZB-12/A) of brand Salton, company name SALTON APPLIANCES (1985) CORP./SWG CANADA.
		9	M/L No. 11	Remove Multiple Listee No. 11 with all models including "FCI121B", "FCI122R" and "FCI126Z" (same as basic model HZB-12/A) of brand Franklin Chef, company name Franklin USA.
		9	M/L No. 12	Remove Multiple Listee No. 12 with all models including "HPIM25SS" (same as basic model HZB-12/SA) and "HPIM25W" (same as basic model HZB-12/A) of brand Haier, company name Haier America Trading LLC.
		9	M/L No. 14	Remove Multiple Listee No. 14 with all models including "504767 BLU", "504767 BLK", "504767 SLV" (same as basic model HZB-12/A) and "504767 SST" (same as basic model HZB-12/SA) of brand IMPROVEMENTS, company name Improvements Catalog.
		9	M/L No. 15	Remove Multiple Listee No. 15 with all models including "HZB-12/A-BLK", "HZB-12/A-RED" (same as basic model HZB-12/A), HZB-12/SA" (same as basic model HZB-12/SA) of brand David Burke, and "HZB-12/SA" (same as basic model HZB-12/SA) of brand CHEFS, company name IBD (USA) International, Inc.
		9	M/L No. 16	Remove Multiple Listee No. 16 with model "PIM-1-2" (same as basic model HZB-12/A) of brand Hamilton Beach, company name PRS Enterprises.
		9	M/L No. 17	Remove Multiple Listee No. 17 with model "K-ICEMAKERSS" (same as basic model HZB-12/SA) of brand Keyton, company name BHRS Group LLC.
25-Jan-2019	Darren Zhao	6	8	Check and show the consistency of Items No. described in Section 4.0 and Illustrations No. described in Section 7.0.
190100442SHA	Kent Zhang	6	10	Check and show the consistency of Illustrations No. described in Section 7.0.

12.0 Revision Summary				
The following changes are in compliance with the declaration of Section 8.1:				
Date/ Proj # Site ID	Project Handler/ Reviewer	Section	Item	Description of Change
		7	III. No. 2AG	Add nameplate of model "CP173A" equipped with compressor L48C5L or QD48Y11G used refrigerant R600a for Multiple Listee No. 22, Shenzhen Tuojian E-Commerce Co., Ltd.
		9	M/L No. 22	Add new model "CP173A" for Multiple Listee No. 22, Shenzhen Tuojian E-Commerce Co., Ltd., corresponding to basic model HZB-12/B.
29-Apr-2019	Darren Zhao	6	8	Check and show the consistency of Items No. described in Section 4.0 and Illustrations No. described in Section 7.0, with adding characters "2AH".
190401679SHA	Kent Zhang	7	III. No. 2AH	Add nameplate of model "CP173A" of new brand "IKICH" equipped with compressor L48C5L or QD48Y11G used refrigerant R600a for Multiple Listee No. 22, Shenzhen Tuojian E-Commerce Co., Ltd.
		9	M/L No. 22	Add model "CP173A" of new brand "IKICH" for Multiple Listee No. 22, Shenzhen Tuojian E-Commerce Co., Ltd., corresponding to basic model HZB-12/B.
22-Aug-2019	Darren Zhao	4	/	Unmerge tables containing several types/models of alternative components with same item numbers, manufacturer's names, technical data and securement means.
190801747SHA	Kent Zhang	6	8	Updating characters after "Illustrations No." to ensure consistency with the descriptions in Section 7.0, from "1, 2, 1A, 1B, 1D, 1E, 2A, 2B, 2C, 2CC, 2CD, 2CE, 2G, 2GA, 2L, 2M-1, 2M-2, 2Q, 2R, 2S, 2T, 2U, 2Z, 2AA, 2AB, 2AC, 2AD, 2AE, 2AF, 2AG, 2AH, 2AI, 2AJ" to "1, 1A, 1B, 1C, 1D, 1E, 2, 2A, 2B, 2C, 2D, 2E, 2F, 2G, 2H, 2I, 2J, 2K, 2L, 2M, 2N, 2O, 2P, 2Q, 2R, 2S, 2T, 2U, 2V, 2W, 2X, 2Y, 2Z, 2AA, 2AB, 2AC, 2AD", with adding No. "2U, 2V" of new marking labels this time.
		6	11	Modifying description of this section, from "M/L model similarities" to "Model Similarities of Multiple Listees"; Updating similarities for new models "EFIC123-*", "EFIC123-SSBLACK", "EFIC123-SSRED" and "EFIC123-SS" of Multiple Listee No. 13, Curtis International Ltd.

12.0 Revision Summary

The following changes are in compliance with the declaration of Section 8.1:

Date/ Proj # Site ID	Project Handler/ Reviewer	Section	Item	Description of Change
		7	Original III. No. 1, 2, 1A, 1B, 1D, 1E, 2A, 2B, 2C, 2CC, 2CD, 2CE, 2G, 2GA, 2L, 2M-1, 2M-2, 2Q, 2R, 2S, 2T, 2U, 2Z, 2AA, 2AB, 2AC, 2AD, 2AE, 2AF, 2AG, 2AH	Reordering illustrations of all marking labels into No. 1, 1A, 1B, 1C, 1D, 1E, 2, 2A, 2B, 2C, 2D, 2E, 2F, 2G, 2H, 2I, 2J, 2K, 2L, 2M, 2N, 2O, 2P, 2Q, 2R, 2S, 2T, 2W, 2X, 2Y, 2Z, 2AA, 2AB, 2AC, 2AD. (The change relationship is as follows: original 1, 1D, 1E, 2AA still remain the same serial number, from original 2 to new 1A, from original 1A to new 1B, from original 1B to new 1C, from original 2A to new 2, from original 2B to new 2A, from original 2C to new 2B, from original 2CC to new 2C, from original 2CD to new 2D, from original 2CE to new 2E, from original 2G to new 2F, from original 2GA to new 2G, from original 2L to new 2H, from original 2M-1 to new 2I, from original 2M-2 to new 2J, from original 2Q to new 2K and 2N, from original 2R to new 2O, from original 2S to new 2R, from original 2T to new 2K, removing original 2U because new 2K & 2L as representatives are enough, from original 2Z to new 2L, 2M, 2P and 2Q, from original 2AB to new 2Y, from original 2AC to new 2S and 2T by choosing two out of ten, from original 2AD to new 2W and 2X by splitting the original two, from original 2AE to new 2Z, from original 2AF to new 2AB, from original 2AG to new 2AC, from original 2AH to new 2AD.)
		7	III. No. 2U, 2V	Adding marking labels of representative models "EFIC123-SSBLACK" and "EFIC123-SS" (equipped with comp. L48C5L or QD48Y11G used refrigerant R600a) of brand "FRIGIDAIRE" for Multiple Listee No. 13, Curtis International Ltd.
		7	III. No. 4, 4A	Correcting former typing error of descriptions, from "- for models which use compressor L48C5L" to "(for conditions equipped with compressor L48C5L or QD48Y11G)".
		9	M/L No. 13	Changing address of Multiple Listee No. 13, Curtis International Ltd., from "315 Attwell Drive, Toronto, ON, M9W 5C1, Canada" to "7045 Beckett Drive, Unit 15, Mississauga, Ontario, L5S 2A3, Canada"; Adding new models "EFIC123-*", "EFIC123-SSBLACK", "EFIC123-SSRED" and "EFIC123-SS" of existing brand "FRIGIDAIRE" for this Multiple Listee, all corresponding to basic model HZB-12/B.
16-Sep-2019	Jesse Jin	2	-	Add new model HZB-12/SB and revised its Model Similarity. Update the ratings of HZB-12/A, HZB-12/SA, HZB-12/B, HZB-12/SB with new compressor TK48C5.
190702841SHA	Kent Zhang	3	2EB~2EE	Add photos for new model HZB-12/SB.
		3	2EF, 2EG	Add photos for alternative console panel - HZB-12/B and HZB-12/SB
		3	2N	Add photo for overall view with alternative console panel - HZB-12/SA
		3	2O	Add photo for alternative console panel - HZB-12/SA
		3	19	Add photo for compressor TK48C5.
		4	6G	Add alternative Compressor, model TK48C5 manufactured by JINGZHOU TIANKE REFRIGERATION CO LTD.
		8	-	Update the Test Summary.
7-Nov-2019	Jesse Jin	3	2P	Add photo for Rear cover view - HZB-12/SA.

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
191100440SHA	Kent Zhang	9	M/L 13	Add new models for M/L 13, EFIC106-SS**, ICM303-**, RIC110-**, ICE118-SS**, respectively corresponding to basic models HZB-12/SA, HZB-12/A, HZB-12/A, HZB-12/SA.
21-Feb-2020	Canwei Zhang	9	M/L 13	Add new model for M/L 13, EFIC113-**, corresponding to basic model HZB-12/A.
200101465SHA	Kent Zhang			
16-Apr-2020	Jesse Jin	1	-	Update the latest UL standard from "UL 563:2009 Ed.8+R:29Nov2013" to "UL 563:2009 Ed.8+R:30Aug2018".
200303035SHA	Kent Zhang	2	-	Add new model HZB-12/C and its ratings and model similarity.
		3	2Q-2QD, 4C-4E, 12F	Add photos for new model HZB-12/C.
		7	1F	Add marking for new model HZB-12/C.
		8	-	Update the Test Summary.
13-May-2020	Jesse Jin	7	2AE	Add Markings for M/L 23.
200500314SHA	Kent Zhang	9	M/L 23	Add models DCIMWHT, DCIMBLK, DCIMRED, DCIMBLU, DCIMSTS for M/L 23 BEACH TRADING COMPANY INC., respectively corresponding to basic models HZB-12/A, HZB-12/A, HZB-12/A, HZB-12/A, HZB-12/SA.
13-Aug-2020	Jesse Jin	9	M/L 24	Add M/L 24 BOBBY'S DIRECT LLC with its models 21377/21378/21379, 21381, respectively corresponding to basic models HZB-12/B, HZB-12/C,
200800830SHA	Kent Zhang		M/L 25	Add M/L 25 Zhejiang Jinhao Solar Energy Technology Co., Ltd. with its models IM-12AR, IM-12AS, IM-01, IM-03, IM-04, IM-05, respectively corresponding to basic models HZB-12/A, HZB-12/A, HZB-12/SA, HZB-12/SA, HZB-12/SA, HZB-12/SA,
15-Sep-2020	Magnus Chen/ Even Li	7	2AE	Replace representative marking for M/L No. 23
200900921SHA	Kent Zhang	9	23	Add new Models DCIMTQA, DCIMPRP, DCIMGUN, DCIMYLW, DCIMPNK, DCIMSKY of brand DECO CHEF, for M/L No. 23 BEACH TRADING COMPANY INC., corresponding to basic Model HZB-12/A.
23-Sep-2020	Magnus Chen/ Even Li	6	11	Add Model Similarities for new Models EFIC189-**, CE117ICE-SS** in M/L No.13
200902292SHA	Kent Zhang	7	2K, 2L, 2M, 2N, 2O, 2P, 2Q, 2R, 2S, 2T, 2U, 2V, 2W, 2X	Delete marking label 2M, 2P, 2Q, 2S, 2T, 2V of M/L No.13 Curtis International Ltd. Reorder the rest marking labels of M/L No.13 into "2K, 2L, 2M, 2N, 2O, 2P, 2Q, 2R".
		7	2S	Add new representative marking label of CE117ICE-SS-COM, of brand cook's essentials, for M/L No. 13 Curtis International Ltd.
		9	13	Add new Models EFIC189-** and CE117ICE-SS**, respectively of brand FRIGIDAIRE and cook's essentials, for M/L No. 13 Curtis International Ltd., respectively corresponding to basic Model HZB-12/A and HZB-12/SA.

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
1-Mar-2021	Magnus Chen	1	-	Change standard description from "Refrigeration Equipment [CSA C22.2#120 Issued: 2013/03/01 Ed: 4]" to "Refrigeration Equipment (R2018)>Partial superseding< [CSA C22.2#120:2013 Ed.4]".
210201304SHA	Kent Zhang	3	2EH	Add photo of Alternative console panel - HZB-12/B and HZB-12/SB.
		3	2EI	Add photo of Alternative overall view - HZB-12/SB
		3	2EJ	Add photo of Alternative console panel - HZB-12/B and HZB-12/SB.
		3	12BA, 12BB, 12BC	Add photos of Alternative View of Promoted Main PWB, with minor modifications on secondary circuit.
		4	4B	Add alternative material of PWB Box.
		4	8D	Add alternative Synchronous Motor.
		4	15A, 15B, 15C, 15D, 15E, 15F, 15G, 15H, 15I, 15J, 15K, 15L, 15M	Add alternative Y Capacitor.
		4	16E, 16F, 16G, 16H, 16I, 16J, 16K, 16L, 16M, 16O, 16P, 16Q	Add alternative Across-the-line Capacitor.
		4	17L, 17M, 17N, 17O, 17P, 17Q, 17R	Add alternative Varistor.
		4	18E, 18F, 18G	Add alternative Fuse (glass tube type).
		4	20E, 20F, 20G	Add alternative Triacs.
		4	22I, 22J	Add alternative Relay.
		4	24K, 24L	Add alternative material of main PWB.
		6	11	Add Model Similarities of Multiple Listees- for M/L No. 26, Figli, LLC.
		7	2AF	Add representative marking of model 540 for M/L No. 26.
		9	26	Add M/L 26 Figli, LLC, with its model 54x, corresponding to basic model HZB-12/SB.
26-Apr-2021	Magnus Chen	2	/	Add compressor "HV48Y11A" into rating description.
210400625SHA	Kent Zhang	3	12BD	Add photo of alternative View of Promoted Main PWB, to include new IC circuit.
		3	20	Add photo of ompressor HV48Y11A view
		4	2	Correct typo erro from "SJT-3" to "SJT".
		4	6H	Add alternative compressor HV48Y11A, manufactured by NINGBO ANUODAN MACHINERY CO LTD.
		7	/	Delete ETL logo in marking label.
		7	1D, 1E, 1F, 4, 4A	Add compressor "HV48Y11A" into illustration description.
		8	/	Update the test summary.

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
		9	27	Add M/L 27 SINOWELL SHANGHAI CO LTD, Brand "VIVOHOME", with its models VH289, VH289-SL, VH289-BK, VH807, VH808, corresponding to basic model HZB-12/A; model VH439 corresponding to basic model HZB-12/SA; and models VH559-RE, VH559-SL, corresponding to basic model HZB-12/B.
8-May-2021	Magnus Chen	6	11	Add Model Similarities of Multiple Listees for M/L No. 28 VanTop Technology and Innovation(Shanghai) Co.,Ltd.
210403957SHA	Kent Zhang	9	28	Add M/L 28 VanTop Technology and Innovation(Shanghai) Co.,Ltd, Brand "HolySpring", with its models HS-IM26SA, HS-IM26SS, HS-IM26*, corresponding to basic model HZB-12/SB.
		9	29	Add M/L 29 SeaLoon International Group (HongKong) Limited, Brand "Silonn", with its model SLIM01B, corresponding to basic model HZB-12/B.
		9	30	Add M/L 30 Ningbo Sailawen Technology Co., Ltd, Brand "Wizisa", with its model WSIM01, corresponding to basic model HZB-12/SB.
17-May-2021	Magnus Chen	2	-	Add brand name Antarctic Star, AGLUCKY, R.W.FLAME, Kismile.
210501324SHA	Kent Zhang			
30-Jul-2021	Magnus Chen	6	11	Update Model Similarities for M/L No.13.
210603111SHA	Kent Zhang	6	11	Add Model Similarities for M/L No.27.
		6	11	Add Model Similarities for M/L No.34.
		6	12	Add description of Logo Dependent Marking.
		7	2AG	Add representative marking label for M/L No. 31.
		7	2AH	Add representative marking label for M/L No. 32.
		7	2AI,2AJ	Add representative marking label for M/L No. 33.
		7	2AK	Add representative marking label for M/L No. 34.
		7	2AL	Add representative marking label for M/L No. 35.
		7	2AM	Add representative marking label for M/L No. 36.
		7	2AN	Add representative marking label for M/L No. 37.
		7	2AO	Add representative marking label for M/L No. 38.
		9	13	Replace "***" with "followed by up to fifteen letters". For M/L No. 13 Curtis International Ltd.
		9	13	Add new Models EFIC120- or EFIC315- or EFIC103- followed by up to fifteen letters, of brand FRIGIDAIRE, corresponding to basic Model HZB-12/SA. Add new Models EFIC121- or EFIC123- followed by up to fifteen letters, of brand FRIGIDAIRE, corresponding to basic Model HZB-12/SB. Add new Models 043-0295-6, 043-7077- followed by up to fifteen letters, of brand MASTER Chef, corresponding to basic Model HZB-12/A. For M/L No. 13 Curtis International Ltd.
		9	13	Delete Models EFIC123- followed by up to fifteen letters, EFIC123-SSBLACK, EFIC123-SSRED, EFIC123-SS for M/L No.13 Curtis International Ltd, corresponding to basic Model HZB-12/B.

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
		9	27	Add models VH289- followed by up to ten letters, VH559- followed by up to ten letters for M/L 27 SINOWELL SHANGHAI CO LTD, respectively corresponding to basic models HZB-12/A, HZB-12/B.
		9	31	Add M/L No. 31 Shenzhen Yihaixiang Technology Co., Ltd, Brand "FOOING", with its models HZB-12B-S, HZB-12B, respectively corresponding to basic models HZB-12/B, HZB-12/SB.
		9	32	Add M/L No. 32 NINGBO HEYME INFORMATION TECHNOLOGY CO., LTD., Brand "E EUHOMY", with its models IM-12AS-W, IM-12AR-W, IM-12AS, IM-12AR, IM-01A, IM-01B, IM-01C, IM-01D, corresponding to basic model HZB-12/A, and with its models IM-01-W, IM-01, corresponding to basic model HZB-12/SA.
		9	33	Add M/L No. 33 CENTURY PRODUCTS INC., Brand "HBN" and "BN-LINK", with its models CP-JD37, CP-JD37A, CP-JD37SA, CP-JD37B, CP-JD37C, respectively corresponding to basic models HZB-12/SB, HZB-12/A, HZB-12/SA, HZB-12/B, HZB-12/C.
		9	34	Add M/L No. 34 Qingdao SMAD Electric Appliances Co., Ltd, Brand "Smad, Smeta, TECHOMEY", with its models DIM-26 followed by one letter; followed by N(A) TIM-26 followed by one letter; followed by N(A) HIM-26 followed by one letter; followed by N(A) DIM-26SN(A), TIM-26SN(A), HIM-26SN(A) DIM-26 followed by one letter; followed by N(B) TIM-26 followed by one letter; followed by N(B) HIM-26 followed by one letter; followed by N(B) DIM-26SN(B), TIM-26SN(B), HIM-26SN(B) DIM-26 followed by one letter; followed by N(C) TIM-26 followed by one letter; followed by N(C) HIM-26 followed by one letter; followed by N(C), respectively corresponding to basic models HZB-12/A, HZB-12/A, HZB-12/A, HZB-12/SA, HZB-12/B, HZB-12/B, HZB-12/B, HZB-12/SB, HZB-12/C, HZB-12/C, HZB-12/C.
		9	35	Add M/L No. 35 GOPLUS CORP, Brand COSTWAY, with its models EP22769, EP25063US, corresponding to basic model HZB-12/A.
		9	36	Add M/L No. 36 Hangzhou Sunzoom Household Co., Ltd., Brand SUNZOOM, with its models HZB-12/A, HZB-12/B, respectively corresponding to basic models HZB-12/A, HZB-12/B.
		9	37	Add M/L No. 37 Appearances International, LLC., Brand ARTIDY, with its model ATD-IM12B, corresponding to basic model HZB-12/B.
		9	38	Add M/L No. 38 Prime Home Direct, Brand Prime Home Direct, with its model HZB-12/A, corresponding to basic model HZB-12/A.
17-Aug-2021	Magnus Chen	7	2AP	Add representative marking label for M/L No. 39.
210800893SHA	Kent Zhang	9	27	Add new model VH1042 to M/L No. 27 SINOWELL SHANGHAI CO LTD, corresponding to basic model HZB-12/C.

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
		9	39	Add M/L No. 39 NewAir LLC, Brand NewAir, with its models NIM026MB00, NIM026BK00, NIM026SI00, NIM026MS00, corresponding to basic model HZB-12/B.
27-Aug-2021	Magnus Chen	7	2AQ	Add representative marking label for M/L No. 40.
210802266SHA	Kent Zhang	9	20	Add new model HME010933N to M/L No. 20 hOmeLabs LLC, with brand hOme, corresponding to basic model HZB-12/A.
		9	40	Add M/L No. 40 Price Fair LLC, Brand Prime Home Direct, with its model R-134A, corresponding to basic model HZB-12/SB.
8-Sep-2021	Richard Zheng/ Magnus Chen	7	2AR	Add representative marking lable for M/L No.41.
210900773SHA	Kent Zhang	9	41	Add M/L No.41 Builder's Choice, LLC, Brand Essence, with its model 1000, corresponding to basic model HZB-12/SA.
27-Sep-2021	Richard Zheng/ Even Li	3	12BE	Add photo of alternative View of Promoted Main PWB.
210900825SHA	Kent Zhang	4	3	Add alternative Enclosure Plastic type: B380G, manufactured by SK Geo Centric Co Ltd
		4	13	Add an alternative transformer.
		4	14	Add Alternative Optical Isolators types: LTV-817, OR817 manufactured by LITE-ON Technology Corporation, SHENZHEN ORIENT COMPONENTS CO LTD.
		4	15A	Add alternative Y Capacitor type: CT7 manufactured by DONGGUAN QINHONG(QNR) ELECTRONICS CO LTD.
		4	16A	Add alternative Across-the -line Capacitor types: MKP, MPX manufactured by QIRONG ELECTRONIC TECHNOLOGY CO LTD, DONGGUAN CHENGDDONG ELECTRONIC TECHNOLOGY CO LTD.
		4	17A	Add alternative Varistor type: CDSPC-10D331K, manufactured by DONGGUAN CHENGDDONG ELECTRONIC TECHNOLOGY CO., LTD.
		4	20	Add alternative type: Triacs BT131, manufactured by JIANGSU JIEJIE MICROELECTRONICS CO.,LTD.
		4	21	Add altenative Optical Isolators types: ORMOC3021S, JOC3021 manufactured by SHENZHEN ORIENT COMPONENTS CO LTD, JIEJIE MICROELECTRONICS (Shenzhen) Co Ltd.
		4	24A	Add alternative Main PWB types: YFT2, YKPCB-2, ZS-SD, KB-6150 manufactured by GUANGDE YINGFEITE ELECTRONIC CO LTD, ZHEJIANG YUNKAI ELEC TECH CO LTD, JIANGSU ZHONGSHUN ELECTRONIC TECHNOLOGY CO.,LTD, KINGBOARD LAMINATES HOLDINGS LTD.
		4	27	Add alternative Fuse types: TSP, 932, SET, 2010, MST, 5TE, 6ET manufactured by SHANGHAI FULLNESS ELECTRICAL CO LTD, DONGGUAN BETTER ELECTRONICS TECHNOLOGY CO LTD, DONGGUAN CHEVRON ELECTRONIC TECHNOLOGY CO LT, SUZHOU WALTER ELECTRONIC CO LTD, CONQUER ELECTRONICS CO LTD, XC ELECTRONICS (SHENZHEN) CORP LTD, HONG HU BLUELIGHT ELECTRONIC CO LTD.

12.0 Revision Summary				
The following changes are in compliance with the declaration of Section 8.1:				
Date/ Proj # Site ID	Project Handler/ Reviewer	Section	Item	Description of Change
		6	11	Update Model Similarities for M/L No.13.
		8	/	Update the test summary.
		9	M/L 13	Add new models for M/L 13, 043-7077-4, EFIC118-SILVER-KL, RIC102- or EFIC206-TG- or EFIC111-B- or EFIC111- or EFIC189-B- or RIC110-GB- followed by up to fifteen letters, corresponding to basic model HZB-12/A. Add new models EFIC120-SS-SC, CE117ICE-SSRED-COM, CE117ICE-SSBLACK-COM, EFIC103_AMZ-SSBLUE-SC, CE117ICE-SS- or EFIC103_AMZ-SSBLACK- or EFIC103_AMZ-SSRED- or EFIC103-AMZ- or EFIC117-SSBLACK- or EFIC117-SSRED- or EFIC117-SSCOPPER- or EFIC117-SS- or EFIC120-SS- or EFIC315-TG- or ICE118-SSRED- or ICE118-SSCOPPER- or ICE118-SSBLACK- or ICE118-SS- or ICE118-SSTURQUOISE- or ICG401-CB-SS- or RIC117-SS- followed by up to fifteen letters corresponding to basic model HZB-12/SA. Add new models EFIC123-SS or EFIC121-B-SS followed by up to fifteen letters, EFIC123-SS_SM, EFIC123-SSBLACK_SM, EFIC123-SSRED_SM corresponding to basic model HZB-12/SB.
22-Oct-2021	Richard Zheng/ Even Li	7	2AS	Add representative marking lable for M/L No.42.
211000806SHA	Kent Zhang	9	M/L 42	Add M/L No.42 CHINA-BASE SEEDS INNOTECH (NINGBO) LIMITED, Brand Techdorm, with its model HZB-12/SB, corresponding to basic model HZB-12/SB.
1-Nov-2021	Richard Zheng/ Even Li	7	2AT, 2AU	Add representative marking lable for M/L no.43.
211000177SHA	Kent Zhang	9	M/L 43	Add M/L No.43 W APPLIANCE CO.,LLC, Brand BLACK&DECKER, with its model BIMH226W, BIMH326S, corresponding to basic model HZB-12/B, HZB-
1-Dec-2021	Richard Zheng/ Even Li	6	11	Delete the model similarities for M/L no.4 and M/L no.21.
211102078SHA	Kent Zhang	7	2AV	Add representative marking lable for M/L no.44.
		7	2F, 2G	Delete the representative marking for M/L no.4.
		7	2Y	Delete the representative marking for M/L no.19.
		7	2AA, 2AB	Delete the representative marking for M/L no.21.
		9	M/L 44	Add M/L No.44 Shenzhen Noubai Maternal and Baby Products Co., Ltd. Brand Vpcok, with its model HZB-12/B, HZB-12/SB, corresponding to basic model HZB-12/B, HZB-12/SB.
		9	M/L 25	Delete M/L No.25 Zhejiang Jinhao Solar Energy Technology Co., Ltd.
		9	M/L 4	Delete M/L No.4 Newair Asia Co., Ltd.
		9	M/L 19	Delete M/L No.19 MIDWEST SALES & SERVICE INC.
		9	M/L 21	Delete M/L No. 21 TRAMONTINA USA INC.
13-Dec-2021	Jesse Jin	2	-	Add new models HZB-12/H, HZB-12/SH and their Model Similarity and Ratings.

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
211102630SHA	Kent Zhang	3	2R-2RH, 4F-4FB, 12I	Add photos for new models HZB-12/H and HZB-12/SH.
		7	1G	Add marking for new model HZB-12/H.
			2AW	Add marking for M/L 45.
		8	-	Update the Test Summary.
		9	M/L 45	Add M/L No.45 Shopper+ Inc., with its models LB-IM-12, LB-IM-12A, LB-IM-12SA, LB-IM-12B, LB-IM-12C, respectively corresponding to basic models HZB-12/SB, HZB-12/A, HZB-12/SA, HZB-12/B, HZB-12/C.
			M/L 46	Add M/L No. 46 Yian Technology Innovate Limited, with its models KYIM-16B, KYIM-16S, respectively corresponding to basic models HZB-12/B, HZB-12/SB.
4-Jan-2022	Jesse Jin	9	M/L 45	Correct M/L No.45, add new models LB-IM-12H, LB-IM-12SH, respectively corresponding to basic models, HZB-12/H, HZB-12/SH.
211102630SHA	Kent Zhang			
13-Jan-2022	Richard Zheng/ Even Li	7	2AX	Add marking for M/L 47.
220100340SHA	Kent Zhang	7	2AY	Add marking for M/L 48.
		9	M/L 47	Add M/L No.47 HSNi LLC, with its model 794472, respectively corresponding to basic models HZB-12/SB.
			M/L 48	Add M/L No.48 EMART INTERNATIONAL INC., with its model SP-IM-16, respectively corresponding to basic models HZB-12/SB.
19-Jan-2022	Richard Zheng/ Even Li	7	2AZ	Add representative marking for M/L 49.
220101569SHA	Kent Zhang	9	M/L 49	Add M/L No.49 NINGBO UNISUN TRADE CO.,LTD, with its models HZB-12/A, HZB-12/SA, HZB-12/B, HZB-12/SB, HZB-12/C, HZB-12/H, HZB-12/SH, respectively corresponding to basic models HZB-12/A, HZB-12/SA, HZB-12/B, HZB-12/SB, HZB-12/C, HZB-12/H, HZB-12/SH.
23-Feb-2022	Richard Zheng/ Even Li	3	2R	Add photo of alternative general view of HZB-12/H
220200620SHA	Kent Zhang	3	12BF	Add photo of alternative View of Promoted Main PWB.
		4	20	Add alternative Triacs MAC97A8, MAC97A6, BT131 manufactured by QIDONG JILAI ELECTRONICS CO., Ltd.
		4	21	Add an alternative Optical Isolators MOC-3021-A manufactured by LITE-ON TECHNOLOGY CORP.
		4	15A	Add an alternative Y Capacitor JK manufactured by DONG GUAN CITY JIANKUN ELECTRONICS TECHNOLOGY CO LTD.
		4	17	Add an alternative varistor CVR-10D331K manufactured by DONGGUAN KNSCHA ELECTRONICS CO LTD.
		7	2BA	Add marking for M/L 50.
		9	M/L 50	Add M/L No.50 Shenzhen Junge Yunchang Technology Co., Ltd, with its model IM-BS260A, repectively corresponding to basic model HZB-12/SB.
22-Apr-2022	Richard Zheng/ Even Li	7	2BB	Add representative marking for M/L 13.

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
220301865SHA	Kent Zhang	9	M/L 13	Add model HBIC3000-SSBLACK, HBIC3000-SSRED, HBIC3000-SSCOPPER, CE117ICE-FL-COM, repectively corresponding to basic model HZB-12/SA with brand name Hamilton Beach in M/L.13 Curtis International LTD.
16-May-2022	Jesse Jin	9	M/L 27	Add new ML model VH1117- followed by up to ten letters for M/L 27, corresponding to basic model HZB-12A.
220500386SHA	Kent Zhang	9	M/L 29	Add new ML models SLIM01W, SLIM01S, SLIM01R, SLIM01G1, SLIM01C, SLIM01B1, SLIM01G, SLIM01G2, SLIM01, SLIM07S1, SLIM07C, SLIM07B, SLIM07S, SLIM07R, SLIM07G1, SLIM07, SLIM07B1, SLIM07G, SLIM07W, SLIM07G2, SLIM09S1, SLIM09C, SLIM09B, SLIM09S, SLIM09R, SLIM09G1, SLIM09, SLIM09B1, SLIM09G, SLIM09W, SLIM09G2 for M/L 29, repectively corresponding to basic models HZB-12/B, HZB-12/B, HZB-12/B, HZB-12/B, HZB-12/B, HZB-12/B, HZB-12/B, HZB-12/SB, HZB-12/SA, HZB-12/A, HZB-12/A, HZB-12/A, HZB-12/A, HZB-12/A, HZB-12/A, HZB-12/A, HZB-12/A, HZB-12/SH, HZB-12/H, HZB-12/H, HZB-12/H, HZB-12/H, HZB-12/H, HZB-12/H, HZB-12/H, HZB-12/H, HZB-12/H.
		9	M/L 30	Add new ML models WSIM01S1, WSIM01W, WSIM01S, WSIM01R, WSIM01G1, WSIM01C, WSIM01B1, WSIM01B, WSIM01G, WSIM01G2, WSIM02S1, WSIM02, WSIM02W, WSIM02S, WSIM02R, WSIM02G1, WSIM02C, WSIM02B1, WSIM02B, WSIM02G, WSIM02G2, WSIM03S1, WSIM03W, WSIM03S, WSIM03, WSIM03R, WSIM03G1, WSIM03C, WSIM03B1, WSIM03B, WSIM03G, WSIM03G2 for M/L 30, repectively corresponding to basic models HZB-12/SB, HZB-12/SB, HZB-12/B, HZB-12/B, HZB-12/B, HZB-12/B, HZB-12/B, HZB-12/B, HZB-12/B, HZB-12/B, HZB-12/B, HZB-12/B, HZB-12/B, HZB-12/SB, HZB-12/SB, HZB-12/B, HZB-12/B, HZB-12/B, HZB-12/B, HZB-12/B, HZB-12/B, HZB-12/B, HZB-12/B, HZB-12/SC, HZB-12/C, HZB-12/C, HZB-12/C, HZB-12/C, HZB-12/C, HZB-12/C, HZB-12/C, HZB-12/C, HZB-12/C.
		9	M/L 51	Add new ML/ 51 GuangDong Well Done Trading Co.,Ltd and its brand name HUMHOLD with its models HDZB-12A1, HDZB-12A2, HDZB-12F1, HDZB-12F2, HDZB-12G1, HDZB-12G2, HDZB-12H1, repectively corresponding to basic models HZB-12/H, HZB-12/SH, HZB-12/A, HZB-12/SA, HZB-12/B, HZB-12/SB, HZB-12/C.
14-Jun-2022	Jesse Jin	9	M/L 50	Add new model IM-BS260C for ML/ 50 Shenzhen Junge Yunchuang Technology Co., Ltd., corresponding to basic model HZB-12/H.
220600272SHA	Kent Zhang			
16-Jun-2022	Jesse Jin	1	-	Update the latest UL standard version from "UL 563:2009 Ed.8+R:30Aug2018" to "UL 563:2009 Ed.8+R:26May2021".
220600271SHA	Kent Zhang	2	-	Add new models HZB-12/B-W, HZB-12/SB-W and their Model Similarity and Ratings.

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
		3	2EL	Add photos for new model HZB-12/SB-W.
			12BG-12BH	Add alternative View of Promoted Main PWB.
			12J-12K	Add Display and control PWB & WIFI module - HZB-12/B-W and HZB-12/SB-W.
		4	13	Add alternative Transformer in photo 12BG&12BH.
			16, 16A	Add alternative technical date 0.22μF or 0.33μF for Across-the-line Capacitor
			20	Add alternative Triacs, model Z0607NS manufactured by JILIN SINOMICRO ELECTRONICS CO LTD.
			22	Add alternative Relay, model GH-1A-12LSFT manufactured by Shenzhen Golden Electrical Appliances Co., Ltd.
		8	-	Update the Test Summary.
4-Jul-2022	Jesse Jin	9	M/L 13	Add new brand name Hamilton Beach, Frigidaire Professional, Pepsi, Mtn Dew, BUDWEISER, BUD LIGHT. Add new models HBIC2900-followed by up to fifteen letters, EFIC157-followed by up to fifteen letters, EFIC159-followed by up to fifteen letters, EFIC160-followed by up to fifteen letters, EFIC128-followed by up to fifteen letters, corresponding to basic model HZB-12/H; add new model FXIC151-SS followed by up to fifteen letters, corresponding to basic model HZB-12/SH; add models ICE147PEP, ICE148MD, corresponding to basic model HZB-12/SB, add new models ICE120-BUD, ICE121-BULT, corresponding to basic model HZB-12/SA.
220700061SHA	Kent Zhang			
10-Aug-2022	Jesse Jin	9	ML 13	Add new ML 13 model EFIC188-followed by up to fifteen letters, corresponding to basic model HZB-12/H.
220800736SHA	Kent Zhang			
26-Aug-2022	Jesse Jin	7	2BC	Add markings for ML 52.
220801629SHA	Kent Zhang	9	ML 52	Add ML 52 Shenzhen Intellirocks Tech. Co., Ltd. and its brand name Govee with its model H7172, corresponding to basic model HZB-12/SB-W.
13-Sep-2022	Jesse Jin	9	ML 47	Add new ML 47 model 816601, corresponding to basic models HZB-12/H and HZB-12/SH.
220900529SHA	Kent Zhang			
22-Sep-2022	Jesse Jin	9	ML 13	Add new ML 13 models ICE120-BUD, ICE121-BULT, corresponding to basic model HZB-12/SA.
220901690SHA	Kent Zhang			
7-Nov-2022	Jesse Jin	1	-	Modify the applicant and manufacturer's name and address from "Ningbo Hicon International Industry Co., Ltd." and "No.55, 4th Binhai Road, Hangzhou Bay New Zone, Ningbo, Zhejiang 315336" to "Ningbo Hicon Industry Technology Co., Ltd." and "No.55, 4th Binhai Road, Qianwan New Area, Ningbo, Zhejiang Province".
221000820SHA	Kent Zhang	2	-	Add new models HZB-12/G, HZB-12/SG, revise Model Similarity and Ratings.
		3	2S-2SL, 4FC-4FD, 21-22	Add photos for new models HZB-12/G, HZB-12/SG.
			12L-12M	Add alternative Display and control PWB (LED)
			6	Add alternative compressor, model BLC48AD and M43C5L.
			10a	Add alternative Condenser Coil.

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
		4	15A	Add alternative Y capacitor, model JK manufactured by DONG GUAN AJC INDUSTRIAL CO LTD.
			17A	Add alternative Varistor, model SFV10D331K manufactured by XIAMEN SET ELECTRONICS CO LTD.
			27	Add alternative Fuse (micro type to be alternative), model SPT478 manufactured by XIAMEN SET ELECTRONICS CO LTD.
		7	1H	Add marking for HZB-12/G.
		8	-	Update the Test Summary.
9-Dec-2022	Jesse Jin	9	ML 53	Add ML 53 MG HOME SOLUTION LLC and its brand name VITARA with its model VCIM0260S, corresponding to basic model HZB-12/SA.
221200889SHA	Kent Zhang			
15-Dec-2022	Jesse Jin	9	ML 29	Add new models for ML 29. Models WSIM01, WSIM01S1, WSIM02S1, WSIM02 respectively corresponding to basic model HZB-12/SB, Models WSIM01W, WSIM01S, WSIM01R, WSIM01G1, WSIM01C, WSIM01B1, WSIM01B, WSIM01G, WSIM01G2, WSIM02W, WSIM02S, WSIM02R, WSIM02G1, WSIM02C, WSIM02B1, WSIM02B, WSIM02G, WSIM02G2 respectively corresponding to basic model HZB-12/B, Models WSIM03S1, WSIM03W, WSIM03S, WSIM03, WSIM03R, WSIM03G1, WSIM03C, WSIM03B1, WSIM03B, WSIM03G, WSIM03G2 respectively corresponding to basic model HZB-12/C.
221201320SHA	Kent Zhang		ML 30	Delete ML 30 Ningbo Sailawen Technology Co., Ltd and its brand name Wizisa with its models WSIM01, WSIM01S1, WSIM02S1, WSIM02, WSIM01W, WSIM01S, WSIM01R, WSIM01G1, WSIM01C, WSIM01B1, WSIM01B, WSIM01G, WSIM01G2, WSIM02W, WSIM02S, WSIM02R, WSIM02G1, WSIM02C, WSIM02B1, WSIM02B, WSIM02G, WSIM02G2, WSIM03S1, WSIM03W, WSIM03S, WSIM03, WSIM03R, WSIM03G1, WSIM03C, WSIM03B1, WSIM03B, WSIM03G, WSIM03G2 respectively corresponding to basic model HZB-12/SB, HZB-12/B, HZB-12/SC, HZB-12/C.
10-Jan-2023	Jesse Jin	3	23	Add photo for alternative compressor UKN43YA.
230100557SHA	Kent Zhang	4	6	Add alternative compressor, model UKN43YA manufactured by Hangzhou Qianjiang Refrigeration Compressor Group Co Ltd.
		8	-	Update the Test Summary.
16-Jan-2023	Jesse Jin	9	ML 27	Add new models VH1179- followed by up to ten letters, the undefined letters indicate color for ML 27 SINOWELL SHANGHAI CO LTD, corresponding to basic model HZB-12/G.
230101287SHA	Kent Zhang			
30-Jan-2023	Jesse Jin	9	ML 54	Add ML 54 Ningbo Hoome Information Technology Co., Ltd. and its brand name EUHOMY with its models IM-01, IM-01-HM, IM-01A, IM-01B, IM-01C, IM-01D, IM-12AR, IM-12AS, IM-06S, IM-06S-HM, IM-06D, IM-06D-HM, respectively corresponding to basic models HZB-12/SA, HZB-12/SA, HZB-12/A, HZB-12/A, HZB-12/A, HZB-12/A, HZB-12/A, HZB-12/A, HZB-12/SH, HZB-12/SH, HZB-12/H, HZB-12/H.

The following changes are in compliance with the declaration of Section 8.1:

ED 16.3.15 (1-Jul-2022) Mandatory

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
			20	Add alternative Triacs, model MAC97A8/MAC97A6/BT131 manufactured by QIDONG JILAI ELECTRONICS CO LTD.
			24	Correct the manufacturer from "CIXI WINNER-TECH ELECTRONIC TECHNOLOGY CO LTD" to "Cixi Qingbao Electronic"; from "DONGGUAN FAN LI SHENG ELECTRONICS CO LTD" to "Jiangxi Fan Li Sheng".
			24A	Correct the manufacturer from "WENZHOU HUABANG ELECTRONICS CO LTD" to "ZHEJIANG HUABANG"; from "Guangde Sanyang Electronics Co., Ltd" to "Anhui Dongou". Add alternative Main PWB, model AB-S, ILM-R1, SR-01A, VF-D, TCX, TCX-2, ZL-02.
		8	-	Update the Test Summary.
24-May-2023	Jesse Jin	9	ML55	Add ML55 Shanghai Hotel Equipment Corp. and its brand name HECMAC with its models HZB-12/AC, HZB-12/SAC, HZB-12/BC, HZB-12/SBC, HZB-12/CC, HZB-12/HC, HZB-12/SHC, HZB-12/B-WC, HZB-12/SB-WC, HZB-12/GC, HZB-12/SGC, respectively corresponding to basic models HZB-12/A, HZB-12/SA, HZB-12/B, HZB-12/SB, HZB-12/C, HZB-12/H, HZB-12/SH, HZB-12/B-W, HZB-12/SB-W, HZB-12/G, HZB-12/SG.
230501367SHA	Kent Zhang			
9-Jun-2023	Jesse Jin	9	ML13	Add new models EFIC151-SS, EFIC151-SS followed by up to fifteen letters for ML13, corresponding to basic model HZB-12/SH.
2306A0290SHA	Kent Zhang			
30-Jun-2023	Jesse Jin	9	ML56	Add ML56 CKGO INTERNATIONAL CO., LIMITED and its brand name CKGO, with its model CKGO-12-G, corresponding to basic model HZB-12/G.
2306A1105SHA	Kent Zhang			
3-Aug-2023	Jesse Jin	9	ML13	Add new models EFIC130-SSRED, EFIC130-SSBLACK, EFIC130-SS, EFIC151-SS followed by up to fifteen letters for ML13, corresponding to basic model HZB-12/SH.
2308A0165SHA	Kent Zhang			
16-Aug-2023	Jesse Jin	9	ML34	Modify the address of ML34 from "709, Building C, Bingvanke center, No. 2, Heilongjiang South Road, Shibei District, Qingdao" to "Room 906, Block C, Vanke Center, No. 2 Heilongjiang South Road, Shibei District, Qingdao, Shandong, 266000". Add new models DIM-26 followed by up to one letter; followed by NU(H), TIM-26 followed by up to one letter; followed by NU(H), HIM-26 followed by up to one letter; followed by NU(H), DIM-26SNU(SH), TIM-26SNU(SH), HIM-26SNU(SH), DIM-26 followed by up to one letter; followed by (S)NU(SH), TIM-26 followed by up to one letter; followed by (S)NU(SH), HIM-26 followed by up to one letter; followed by (S)NU(SH), DIM-26 followed by up to one letter; followed by NU(G), TIM-26 followed by up to one letter; followed by NU(G), HIM-26 followed by up to one letter; followed by NU(G), DIM-26SNU(SG), TIM-26SNU(SG), HIM-26SNU(SG), DIM-26 followed by up to one letter; followed by (S)NU(SG), TIM-26 followed by up to one letter; followed by (S)NU(SG), HIM-26 followed by up to one letter; followed by (S)NU(SG) for ML34, respectively corresponding to basic models HZB-12/H, HZB-12/H, HZB-12/H, HZB-12/SH, HZB-12/SH, HZB-12/SH, HZB-12/SH, HZB-12/SH, HZB-12/SH, HZB-12/G, HZB-12/G, HZB-12/G, HZB-12/SG, HZB-12/SG, HZB-12/SG, HZB-12/SG, HZB-12/SG, HZB-12/SG.

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
2308A0779SHA	Kent Zhang	9	ML13	Add new models PPICE103-TOMATO, PPICE103-CPEPPER, PPICE103-OCEANBLUE, PPICE103-followed by up to fifteen letters for ML13, corresponding to basic model HZB-12/SH.
		9	ML57	Add ML57 Guang dong mei zhi dian qi ke ji you xian gong si and its brand name magicplux, with its models MIC12W01, MIC12S01, MIC12R01, MIC12S02, MIC12K01, MIC12K02, MIC12S03, MIC12R02, MIC12S04, MGP-IM12/G, MGP-IM12/SG, MIC12R03, MIC12S05, MIC12W02, MIC12K03, MIC12S06, MIC12B01, MIC12S07, respectively corresponding to basic models HZB-12/A, HZB-12/SA, HZB-12/B, HZB-12/SB, HZB-12/C, HZB-12/H, HZB-12/SH, HZB-12/B-W, HZB-12/SB-W, HZB-12/G, HZB-12/SG, HZB-12/A-W, HZB-12/SA-W, HZB-12/C-W, HZB-12/H-W, HZB-12/SH-W, HZB-12/G-W, HZB-12/SG-W.
		9	ML58	Add ML58 SHAOXING PROCCHIO TEXTILE CO., LTD and its brand name POBWAM, with its models HZLS-12G, HZLS-12A, HZLS-12SA, HZLS-12B, HZLS-12SB, HZLS-12C, HZLS-12H, HZLS-12SH, HZLS-12BW, HZLS-12SBW, HZLS-12SG, respectively corresponding to basic models HZB-12/G, HZB-12/A, HZB-12/SA, HZB-12/B, HZB-12/SB, HZB-12/C, HZB-12/H, HZB-12/SH, HZB-12/B-W, HZB-12/SB-W, HZB-12/SG.
		9	ML29	Modify the address of ML 29 from "6/F Manulife Place, 348 Kwun Tong Road, KL, Hong Kong 999077" to "UNIT 2601-05 26/F DELTA HOUSE NO 3 ON YIU STREET SHATIN NT, Hong Kong 999077" Add new models for ML 29, models SLIM22, SLIM22T, SLIM22TC, SLIM22TB, SLIM22TS, SLIM22TR, SLIM22TG1, SLIM22TS1, SLIM22TBU, SLIM22TG, SLIM22TW, SLIM22TG2, SLIM22C, SLIM22B, SLIM22S, SLIM22R, SLIM22G1, SLIM22BU, SLIM22G, SLIM22W, SLIM22G2, SLIM22S1, SLIM01C, SLIM01B, SLIM01S, SLIM01R, SLIM01G1, SLIM01BU, SLIM01G, SLIM01W, SLIM01G2, SLIM01S1, SLIM01B-1, SLIM01C-1, SLIM01S-1, SLIM01R-1, SLIM01G1-1, SLIM01BU-1, SLIM01G-1, SLIM01W-1, SLIM01G2-1, SLIM01S1-1, SLIM01, SLIM01T, SLIM01TC, SLIM01TB, SLIM01TS, SLIM01TR, SLIM01TG1, SLIM01TS1, SLIM01TBU, SLIM01TG, SLIM01TW, SLIM01TG2, SLIM01-1, SLIM01T-1, SLIM01TC-1, SLIM01TB-1, SLIM01TS-1, SLIM01TR-1, SLIM01TG1-1, SLIM01TS1-1, SLIM01TBU-1, SLIM01TG-1, SLIM01TW-1, SLIM01TG2-1, SLIM09C, SLIM09B, SLIM09S, SLIM09R, SLIM09G1, SLIM09BU, SLIM09G, SLIM09W, SLIM09G2, SLIM09S1, SLIM09, SLIM09T, SLIM09TC, SLIM09TB, SLIM09TS, SLIM09TR, SLIM09TG1, SLIM09TS1, SLIM09TBU, SLIM09TG, SLIM09TW, SLIM09TG2.
12-Sep-2023	Jesse Jin	9	ML27	Add new models VH1245, VH1246, VH1247 for ML27, respectively corresponding to basic models HZB-12/H, HZB-12/H, HZB-12/H.
2309A0298SHA	Kent Zhang			

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-Nov-2023	Jesse Jin	2	-	Add new model HZB-12/K and its rating and model similarity.
2311A0412SHA	Kent Zhang	3	2T-2TC	Add photos for new model HZB-12/K.
			12BK,12B L	Add photos for alternative Main PWB.
			12Q,12R	Add photo for alternative Display and control PWB (LED).
			24	Add photo for alternative compressor TK48C5s.
		4	6	Add alternative compressor TK48C5s.
			8	Add alternative synchronous motor, model 49TYJ.
			12	Add alternative Ice-melting valve, model JDD-2A, FDF-2A12, FDF2A.
			15A	Add alternative Y capacitor, model JY series.
			16A	Add alternative Across-the-line Capacitor, model MPX/MKP.
			17A	Add alternative Varistor, model HXR 10D331K, JNR 10D331K, JNR 10D331KH, FTR10D331K, YFT 10D331K.
			27	Add alternative Fuse (micro type to be alternative), model SMT.
			20	Add alternative Triacs, model F0105-8V.
			21	Add alternative Optical Isolators, model CT3021 series.
			22	Add alternative Relay, model RD-112DM-A-S, 973-12VDC-SL-A.
			24A	Add alternative Main PWB, model H02, SYDZ520, DX-D.
		8	-	Update the Test Summary.
2-Jan-2024	Jesse Jin	9	ML1	Add new model HMIM27ST for ML1, corresponding to basic model HZB-12/SH.
2401B0002SHA	Kent Zhang			
8-Jan-2024	Jesse Jin	9	ML13	Add new models EFIC122-BLACK, EFIC122- followed by up to fifteen letters for ML13, corresponding to basic model HZB-12/G.
2401B0412SHA	Kent Zhang			
12-Jan-2024	Jesse Jin	9	ML59	Add new ML59 Hangzhou Wenshuo E-commerce Co., Ltd and its brand name HALF SCALE, with its models HSIM-12A, HSIM-12SA, HSIM-12B, HSIM-12SB, HSIM-12C, HSIM-12H, HSIM-12SH, HSIM-12BW, HSIM-12SBW, HSIM-12G, HSIM-12SG, HSIM-12AW, HSIM-12SAW, HSIM-12CW, HSIM-12HW, HSIM-12SHW, HSIM-12GW, HSIM-12SGW, respectively corresponding to basic models HZB-12/A, HZB-12/SA, HZB-12/B, HZB-12/SB, HZB-12/C, HZB-12/H, HZB-12/SH, HZB-12/B-W, HZB-12/SB-W, HZB-12/G, HZB-12/SG, HZB-12/A-W, HZB-12/SA-W, HZB-12/C-W, HZB-12/H-W, HZB-12/SH-W, HZB-12/G-W, HZB-12/SG-W.
2401B0522SHA	Kent Zhang			

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-Feb-2024	Lynn Zhou	7.0	Illustration No. 2H	Removed M/L No. 8 (equipped with compressor B30H5 or MV3011H)
20240083CER	Hyden Li		Illustration No. 2AC, 2AD	Removed M/L No. 22 (equipped with compressor L48C5L or QD48Y11G)
			Illustration No. 2AF	Removed Markings for M/L No. 26
			Illustration No. 2AJ	Removed Markings for M/L No. 33
			Illustration No. 2AI	Removed Markings for M/L No. 33
			Illustration No. 2AM	Removed Markings for M/L No. 36
			Illustration No. 2AN	Removed Markings for M/L No. 37
			Illustration No. 2AQ	Removed Markings for M/L No. 40
			Illustration No. 2AS	Removed Markings for M/L No. 42
			Illustration No. 2AY	Removed Markings for M/L No. 48
		9.0	8	Removed Mutiple listee 8: "Living Direct Inc." with type:"KIM202W" and brand name: "Koldfront"
			22	Removed Mutiple listee 22: "Shenzhen Tuojian E-Commerce Co., Ltd.." with type:"CP173A" and brand name: "KTOPELEK, IKICH"
			24	Removed Mutiple listee 24: "BOBBY'S DIRECT LLC" with type:"21377/21378/21379 21381" and brand name: "ArcticPRO"
			26	Removed Mutiple listee 26: "Figli,LLC" with type:"54*" and brand name: "Kitchen HQ"
			33	Removed Mutiple listee 33: "CENTURY PRODUCTS INC." with type:"CP-JD37 CP-JD37A CP-JD37SA CP-JD37B CP-JD37C" and brand name: "HBN, BN-LINK"
			36	Removed Mutiple listee 36: "Hangzhou Sunzoom Household Co., Ltd.." with type:"HQB-12/A HQB-12/B" and brand name: "SUNZOOM"
			37	Removed Mutiple listee 37: "Appearances International, LLC." with type:"ATD-IM12B" and brand name: "ARTIDY"
			40	Removed Mutiple listee 40: "Price Fair LLC." with type:"R-134A" and brand name: "Prime Home Direct"
			42	Removed Mutiple listee 42: "CHINA-BASE SEEDS INNOTECH (NINGBO) LIMITED" with type:"HQB-12/SB" and brand name: "Techdorm"
		9	46	Removed Mutiple listee 46: "Yian Technology Innovate Limited" with type:"KYIM-16B KYIM-16S" and brand name: "Zyerch"
			48	Removed Mutiple listee 48: "EMART INTERNATIONAL INC. with type:"SP-IM-16" and brand name: "SPECILITE"
27-Feb-2024	Jesse Jin	9	ML50	Add new models IM-BS261C, IM-BS261A, IM-BS261B for ML50, corresponding to basic model HQB-12/K.
2402B0384SHA	Kent Zhang			

12.0 Revision Summary

The following changes are in compliance with the declaration of Section 8.1:

Date/ Proj # Site ID	Project Handler/ Reviewer	Section	Item	Description of Change
6-Mar-2024	Lynn Zhou	9	51	Removed Mutiple listee 51: "GuangDong Well Done Trading Co.,Ltd" with type:"HDZB-12A1 HDZB-12A2 HDZB-12F1 HDZB-12F2 HDZB-12G1 HDZB-12G2 HDZB-12H1" and brand name: "HUMHOLD"
20240089CER	Hyden Li			
7-Apr-2024	Jesse Jin	9	ML54	Modify the address of ML54 from "2-1, No.247 Wangshan Road, Jiangbei District, Ningbo, Zhejiang 315336" to "Room 602-2, Building 1-2, Qianyang Star Plaza, No. 996, Changxing Road, Jiangbei District, Ningbo, Zhejiang 315336". Add new brand name ICEVIVAL, SIMZLIFE. Add new models for ML54, IM-06A, IM-06A-AZ-HM, ZX-IM-06A-AZ-HM, IM-06A-WM-HM, ZX-IM-06A-WM-HM, IM-06A-TK-HM, ZX-IM-06A-TK-HM, IM-06A-HZ-HM, ZX-IM-06A-HZ-HM, IM-06B, IM-06B-AZ-HM, ZX-IM-06B-AZ-HM, IM-06B-WM-HM, ZX-IM-06B-WM-HM, IM-06B-TK-HM, ZX-IM-06B-TK-HM, IM-06B-HZ-HM, ZX-IM-06B-HZ-HM, IM-06C, IM-06C-AZ-HM, ZX-IM-06C-AZ-HM, IM-06C-WM-HM, ZX-IM-06C-WM-HM, IM-06C-TK-HM, ZX-IM-06C-TK-HM, IM-06C-HZ-HM, ZX-IM-06C-HZ-HM, IM-06D-AZ-HM, ZX-IM-06D-AZ-HM, IM-06D-WM-HM, ZX-IM-06D-WM-HM, IM-06D-TK-HM, ZX-IM-06D-TK-HM, IM-06D-HZ-HM, ZX-IM-06D-HZ-HM, IM-06E, IM-06E-AZ-HM, ZX-IM-06E-AZ-HM, IM-06E-WM-HM, ZX-IM-06E-WM-HM, IM-06E-TK-HM, ZX-IM-06E-TK-HM, IM-06E-HZ-HM, ZX-IM-06E-HZ-HM, IM-06F, IM-06F-AZ-HM, ZX-IM-06F-AZ-HM, IM-06F-WM-HM, ZX-IM-06F-WM-HM, IM-06F-TK-HM, ZX-IM-06F-TK-HM, IM-06F-HZ-HM, ZX-IM-06F-HZ-HM, IM-06G, IM-06G-AZ-HM, ZX-IM-06G-AZ-HM, IM-06G-WM-HM, ZX-IM-06G-WM-HM, IM-06G-TK-HM, ZX-IM-06G-TK-HM, IM-06G-HZ-HM, ZX-IM-06G-HZ-HM, corresponding to basic model HZB-12/H.
2403B0014SHA	Kent Zhang	9	ML54	Add new models for ML54, IM-06S-AZ-HM, ZX-IM-06S-AZ-HM, IM-06S-WM-HM, ZX-IM-06S-WM-HM, IM-06S-TK-HM, ZX-IM-06S-TK-HM, IM-06S-HZ-HM, ZX-IM-06S-HZ-HM, IM-18S, IM-18S-AZ-HM, ZX-IM-18S-AZ-HM, IM-18S-WM-HM, ZX-IM-18S-WM-HM, IM-18S-TK-HM, ZX-IM-18S-TK-HM, IM-18S-HZ-HM, ZX-IM-18S-HZ-HM, corresponding to basic model HZB-12/SH; IM-01-AZ-HM, ZX-IM-01-AZ-HM, IM-01-WM-HM, ZX-IM-01-WM-HM, IM-01-TK-HM, ZX-IM-01-TK-HM, IM-01-HZ-HM, ZX-IM-01-HZ-HM, IM-01D, IM-01D-AZ-HM, ZX-IM-01D-AZ-HM, IM-01D-WM-HM, ZX-IM-01D-WM-HM, IM-01D-TK-HM, ZX-IM-01D-TK-HM, IM-01D-HZ-HM, ZX-IM-01D-HZ-HM, corresponding to basic mode HZB-12/SA; IM-01-AP, IM-01-AP-AZ-HM, ZX-IM-01-AP-AZ-HM, IM-01-AP-WM-HM, ZX-IM-01-AP-WM-HM, IM-01-AP-TK-HM, ZX-IM-01-AP-TK-HM, IM-01-AP-HZ-HM, ZX-IM-01-AP-HZ-HM, corresponding to basic mode HZB-12/SA-W; IM-19D, IM-19D-AZ-HM, ZX-IM-19D-AZ-HM, IM-19D-WM-HM, ZX-IM-19D-WM-HM, IM-19D-TK-HM, ZX-IM-19D-TK-HM, IM-19D-HZ-HM, ZX-IM-19D-HZ-HM, IM-19C, IM-19C-AZ-HM, ZX-IM-19C-AZ-HM, IM-19C-WM-HM, ZX-IM-19C-WM-HM, IM-19C-TK-HM, ZX-IM-19C-TK-HM, IM-19C-HZ-HM, ZX-IM-19C-HZ-HM, IM-19F, IM-19F-AZ-HM, ZX-IM-19F-AZ-HM, IM-19F-WM-HM, ZX-IM-19F-WM-HM, IM-19F-TK-HM, ZX-IM-19F-TK-HM, IM-19F-HZ-HM, ZX-IM-19F-HZ-HM, IM-19G, IM-19G-AZ-HM, ZX-IM-19G-AZ-HM, IM-19G-WM-HM, ZX-IM-19G-WM-HM, IM-19G-TK-HM, ZX-IM-19G-TK-HM, IM-19G-HZ-HM, ZX-IM-19G-HZ-HM, corresponding to basic model HZB-12/G.

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-Apr-2024	Jesse Jin	9	ML60	Add new ML60 Shenzhen Shihao Technology Co. Ltd and its brand name Otytome, with its models SH-12A, SH-12/SA, SH-12/B, SH-12/SB, SH-12/C, SH-12/H, SH-12/SH, SH-12/B-W, SH-12/SB-W, SH-12/G, SH-12/SG, SH-12/A-W, SH-12/SA-W, SH-12/C-W, SH-12/H-W, SH-12/SH-W, SH-12/G-W, SH-12/SG-W, SH-12/K, respectively corresponding to basic models HZB-12/A, HZB-12/SA, HZB-12/B, HZB-12/SB, HZB-12/C, HZB-12/H, HZB-12/SH, HZB-12/B-W, HZB-12/SB-W, HZB-12/G, HZB-12/SG, HZB-12/A-W, HZB-12/SA-W, HZB-12/C-W, HZB-12/H-W, HZB-12/SH-W, HZB-12/G-W, HZB-12/SG-W, HZB-12/K.
2404B0242SHA	Kent Zhang			
10-May-2024	Jesse Jin	9	ML61	Add new ML61 Enchante.Accessories,Inc. and its brand name CWC, CASSIA, RAE DUNN, with its models WIM01, YWIM01, SIM01, YSIM01, CHBIM01, RDIM01, YRDIM01, corresponding to basic model HZB-12/SH.
2405B0388SHA	Kent Zhang			

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
14-May-2024	Jesse Jin	2	-	Add new models HZB-12/J, HZB-12/SJ and its model similarity and ratings.
2405B0488SHA	Kent Zhang	3	2U-2UC	Add photos for new model HZB-12/J.
		4	15A	Add alternative Y capacitor, model RB, YO series, CD series.
			16	Add alternative Across-the-line Capacitor, model MPX/MKP, MPX/MKP, MPX/MKP, MKP.
			17	Add alternative Varistor, model QNR-10D331K, HEL10D331K.
			27	Add alternative Fuse, model 6ET.
			21	Add alternative Optical Isolators, model QX3021 series.
			22	Add alternative Relay, model Y3F-SS-112DM, YX202-S-112DMF.
		9	ML13	Add new brand name FRIGIDAIRE GALLERY for ML13. Add new models EFIC512, EFIC512-followed by up to fifteen letters, corresponding to basic model HZB-12/J; EFIC108-WHITE, EFIC108-RED, EFIC108-BLACK, EFIC108-SILVER, EFIC108-BLUE, EFIC108-followed by up to fifteen letters, corresponding to basic model HZB-12/B; EFIC189-B-SILVER, corresponding to basic model HZB-12/H; EFIC106-SS, EFIC106-followed by up to fifteen letters, corresponding to basic model HZB-12/SH; FGIC511SS-BLACK, FGIC511SS, FGIC511SS-RED, FGIC511SS-BLUE, FGIC511SS-followed by up to fifteen letters, corresponding to basic model HZB-12/SG; EFIC120-SS-SC, EFIC120-SS-SC-MX, EFIC120-BLKSS-SC-G2-E, EFIC120-BLKSS-SC, EFIC120-followed by up to fifteen letters, EFIC117-SS, EFIC117-SSRED, EFIC117-SSRED-COM, EFIC117-SSBLACK-CU, EFIC117-SSBLACK-COM, EFIC117-SSBLACK_SC, EFIC117-SSCOPPER, EFIC117-SSCOPPER-COM, EFIC117-followed by up to fifteen letters, corresponding to basic model HZB-12/SB.
30-May-2024	Jesse Jin	9	ML62	Add new ML62 Shenzhen Shengzhen Yunchuang Technology Co., Ltd. and its brand name easyera, with its model IM-BS261G, corresponding to basic model HZB-12/H.
2405B1850SHA	Kent Zhang			
26-Jun-2024	Jesse Jin	9	ML1	Add new models MCIM27W, MCIM27B, MCIM27SV, MCIM27R, MCIM27M, MCIM27ST for ML1, respectively corresponding to basic models HZB-12/H, HZB-12/H, HZB-12/H, HZB-12/H, HZB-12/H, HZB-12/SH.
2406B2201SHA	Kent Zhang			
5-Aug-2024	Jesse Jin	9	ML63	Add new ML63 CICA HOMORE INC and its brand name E-MACHT, with its model ET97006, corresponding to basic model HZB-12/G.
2408B0029SHA	Kent Zhang			

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
9-Aug-2024	Jesse Jin	2	-	Add new models HZB-15/A, HZB-15/SA, HZB-15/B, HZB-15/SB, HZB-15/C and their model similarity and ratings.
2407B2409SHA	Kent Zhang	3	12BN,12B O,12BP	Add photos for alternative Main PWB.
		3	25	Add photos for compressor MD30UA.
		4	6	Add compressor, model MD30UA.
		4	13	Add alternative Transformer.
		6	9	Add description for cautionary markings
		7	1-1H, 2- 2BC	Delete the Markings.
		7	4	Delete the description for cautionary markings.
		7	4A	Delete the Shipping Carton Marking.
		8	-	Update the Test Summary.
10-Sep-2024	Jesse Jin	2	-	Correct the model name from "HZB-15/A, HZB-15/SA, HZB-15/B, HZB-15/SB, HZB-15/C" to "HZB-15A, HZB-15SA, HZB-15B, HZB-15SB, HZB-15C".
2409B0001SHA	Kent Zhang	9	ML13	Add new models for ML13, EFIC149-SS, EFIC149- followed by up to fifteen letters, ICM122-BLACK corresponding to basic model HZB-12/G; EFIC101-B-BLACK corresponding to basic model HZB-12/B; EFIC102-RED, EFIC102-WHITE, EFIC102-followed by up to fifteen letters, EFIC128_AMZ-BLACK corresponding to basic model HZB-12/H; EFIC103-AMZ-SC, EFIC103_AMZ-SSRED-SC, EFIC103_AMZ-SSBLUE-SC, EFIC103_AMZ-SSBLACK-SC, EFIC1030, corresponding to basic model HZB-12/SH.
19-Sep-2024	Jesse Jin	6	11	Delete description for For M/L No. 21, 26, 28.
2409B1122SHA	Kent Zhang	9	ML64	Add new ML64 AOSOM E-COMMERCE INC. and its brand name HOMCOM, with its models 800-185V80BK, 800-154V80BK, respectively corresponding to basic models HZB-12/G, HZB-12/H.
		9	ML28	Delete ML28 VanTop Technology and Innovation(Shanghai) Co.,Ltd and its brand name HolySpring and models HS-IM26SA, HS-IM26SS, HS-IM26*.
		9	ML32	Delete ML32 NINGBO HEYME INFORMATION TECHNOLOGY CO., LTD. and its brand name E EUHOMY and models IM-12AS-W, IM-12AR-W, IM-12AS, IM-12AR, IM-01A, IM-01B, IM-01C, IM-01D,IM-01-W, IM-01.
		9	ML38	Delete ML38 Prime Home Direct and its brand name Prime Home Direct and models HZB-12/A.
		9	ML49	Delete ML49 NINGBO UNISUN TRADE CO.,LTD and its brand name BETELNUT, ACIPENSER, OUTGAVA and models HZB-12/A,HZB-12/SA,HZB-12/B,HZB-12/SB,HZB-12/C,HZB-12/H,HZB-12/SH.
		9	ML53	Delete ML53 MG HOME SOLUTION LLC and its brand name VITARA and models VCIM0260S.

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
26-Sep-2024	Jesse Jin	9	ML29	Add new models for ML29, SLIM01B-BD, SLIM01W-BD, SLIM01S-BD, SLIM01R-BD, SLIM01G1-BD, SLIM01C-BD, SLIM01B1-BD, SLIM01G-BD, SLIM01G2-BD, SLIM01BU-BD, SLIM01G-BD, SLIM01S1-BD, corresponding to basic model HZB-12/B; SLIM01-BD, SLIM01T-BD, SLIM01TC-BD, SLIM01TB-BD, SLIM01TS-BD, SLIM01TR-BD, SLIM01TG1-BD, SLIM01TS1-BD, SLIM01TBU-BD, SLIM01TG-BD, SLIM01TW-BD, SLIM01TG2-BD, corresponding to basic model HZB-12/SB; SLIM07S1-BD, corresponding to basic model HZB-12/SA; SLIM07C-BD, SLIM07B-BD, SLIM07S-BD, SLIM07R-BD, SLIM07G1-BD, SLIM07-BD, SLIM07B1-BD, SLIM07G-BD, SLIM07W-BD, SLIM07G2-BD, corresponding to basic model HZB-12/A; SLIM09-BD, SLIM09S1-BD, SLIM09T-BD, SLIM09TC-BD, SLIM09TB-BD, SLIM09TS-BD, SLIM09TR-BD, SLIM09TG1-BD, SLIM09TS1-BD, SLIM09TBU-BD, SLIM09TG-BD, SLIM09TW-BD, SLIM09TG2-BD, corresponding to basic model HZB-12/SH; SLIM09C-BD, SLIM09B-BD, SLIM09S-BD, SLIM09R-BD, SLIM09G1-BD, SLIM09B1-BD, SLIM09BU-BD, SLIM09G-BD, SLIM09W-BD, SLIM09G2-BD, SLIM09S1-BD, corresponding to basic model HZB-12/H; SLIM21T-BD, SLIM21TC-BD, SLIM21TB-BD, SLIM21TS-BD, SLIM21TR-BD, SLIM21TG1-BD, SLIM21TS1-BD, SLIM21TB1-BD, SLIM21TG-BD, SLIM21TW-BD, SLIM21TG2-BD, corresponding to basic model HZB-12/SG; SLIM21C-BD, SLIM21B-BD, SLIM21S-BD, SLIM21R-BD, SLIM21G1-BD, SLIM21-BD, SLIM21B1-BD, SLIM21G-BD, SLIM21W-BD, SLIM21G2-BD,
2409B1854SHA	Kent Zhang			Add new model for ML29, SLIM22C-BD, SLIM22B-BD, SLIM22S-BD, SLIM22R-BD, SLIM22G1-BD, SLIM22BU-BD, SLIM22G-BD, SLIM22W-BD, SLIM22G2-BD, SLIM22S1-BD, corresponding to basic model HZB-12/B-W; SLIM22-BD, SLIM22T-BD, SLIM22TC-BD, SLIM22TB-BD, SLIM22TS-BD, SLIM22TR-BD, SLIM22TG1-BD, SLIM22TS1-BD, SLIM22TBU-BD, SLIM22TG-BD, SLIM22TW-BD, SLIM22TG2-BD, corresponding to basic model HZB-12/SB-W
8-Oct-2024	Jesse Jin	6	11	Delete the description for ML27, add description for ML65.
2409B2428SHA	Kent Zhang	9	ML65	Add new ML65 VIVOHOME INC. and its brand name VIVOHOME, with its models VH289, VH289-SL, VH289-BK, VH807, VH808, VH289-followed by up to ten letters, VH1117- followed by up to ten letters, corresponding to basic model HZB-12/A; VH559-RE, VH559-SL, VH559-followed by up to ten letters, corresponding to basic model HZB-12/B; VH1042, VH1042- followed by up to ten letters, corresponding to basic model HZB-12/C; VH1179-followed by up to ten letters, corresponding to basic model HZB-12/G; VH1245, VH1246, VH1247, VH1247-followed by up to ten letters, corresponding to basic model HZB-12/H.
		9	ML27	Delete ML27 SINOWELL SHANGHAI CO LTD and its brand name VIVOHOME, with its models VH289, VH289-SL, VH289-BK, VH807, VH808, VH289- followed by up to ten letters, VH1117- followed by up to ten letters, VH439, VH559-RE, VH559-SL, VH559- followed by up to ten letters, VH1042, VH1179- followed by up to ten letters, the undefined letters indicate color, VH1245, VH1246, VH1247

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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-Oct-2024	Jesse Jin	9	ML13	Add new models for ML13, EFIC127-SS-SC-EP, EFIC127- followed by up to fifteen letters corresponding to basic model HZB-12/SB; FGIC511SS_SM corresponding to basci model HZB-12/SG.
2410B1475SHA	Kent Zhang	9	ML66	Add new ML66 Megagoods Inc and its brand name MegaChef, with its models MCAM-3800, MCAM-1000, respectively corresponding to basic models HZB-12/H, HZB-12/SH.
12-Nov-2024	Jesse Jin	9	ML13	Add new model 043-1544-8 for ML13, corresponding to basic model HZB-12/G.
2411B0926SHA	Kent Zhang			
25-Nov-2024	Jesse Jin	9	ML54	Add new models for ML54, IM-01X, IM008-B, IM003-BSI corresponding to basic model HZB-12/SH; IM-06H, IM-18A, IM-18B, IM-18D, IM-18F, IM-18G, IM001-B, IM003-B corresponding to basic model HZB-12/H; IM007-B, IM010-B corresponding to basic model HZB-12/SA; IM011-B corresponding to basic model HZB-12/G.
2411B1407SHA	Kent Zhang			
2-Dec-2024	Jesse Jin	2	-	Add new brand name Electactic.
2411B2575SHA	Kent Zhang			
5-Dec-2024	Jesse Jin	2	-	Add new brand name ZAFRO, KISSAIR, WAA.
2411B2575SHA	Kent Zhang			
24-Dec-2024	Jesse Jin	9	ML67	Add new ML67 Boost Doctors LLC and its brand name COMMODORE, with its model CMBIM-01B, corresponding to basic model HZB-12/H.
2412B1431SHA	Kent Zhang			
27-Dec-2024	Jesse Jin	9	ML68	Add new ML68 Aterian Group Inc. and its brand name hOmeLabs, with its models HME010019N, HME010933N, corresponding to basic model HZB-12/A; HME0096, corresponding to basic model HZB-12/G.
2412B1881SHA	Kent Zhang	9	ML20	Delete ML20 hOmeLabs LLC and its brand name hOme, with its models HME010019N, HME010933N.
13-Jan-2025	Jesse Jin	9	ML13	Add new models EFIC2912-BLACK, EFIC2912-followed by up to fifteen letters for ML13, corresponding to basic model HZB-12/H.
2501B0469SHA	Kent Zhang			
26-Jan-2025	Jesse Jin	9	ML69	Add new ML69 SHANGHAI SISHUN ELECTRONIC COMMERCE CO., LTD and its brand name VEVOR, with its models HZB-12/G, HZB-15SA, HZB-12/SG, respectively corresponding to basic model s HZB-12/G, HZB-15SA, HZB-12/SG.
2501B0698SHA	Kent Zhang	9	ML41	Delete ML41 Builder's Choice, LLC. and its brand name Essence, with its models 1000.
		9	ML44	Delete ML44 Shenzhen Noubai Maternal and Baby Products Co., Ltd. and its brand name Vpcok, with its models HZB-12/B, HZB-12/SB.

12.0 Revision Summary				
The following changes are in compliance with the declaration of Section 8.1:				
Date/ Proj # Site ID	Project Handler/ Reviewer	Section	Item	Description of Change
7-Feb-2025	Jesse Jin	1	-	Update the UL standard from "UL 563:2009 Ed.8+R:26May2021" to "UL 60335-2-24:2022 Ed.3+R:29Feb2024 & UL 60335-1:2016 Ed.6". Update the CSA standard from "(R2018)[CSA C22.2#120:2013 Ed.4]" to "CSA C22.2#60335-2-24:2022 Ed.3+U1 & CSA C22.2#60335-1:2016 Ed.2".
2501B1057SHA	Kent Zhang	2	-	Add new model HZB-12/Q, ICE CUBE MACHINE HZB-12/B and its ratings.
		2	-	Add new brand name AMBIANO.
		2	-	Change product name from "Ice Maker" to "Ice Maker/26LB. COUNTERTOP ICE MAKER".
		3	2UD-2UH, 4FE-4FG	Add photos for model HZB-12/Q.
		3	12BQ- 12BU	Add photos for alternative promoted main PWB.
		4	28	Add Optical Isolators with power triac.
		4	11	Add alternative water pump, model PA1, PV7, PA1, PV7.
		4	15, 16, 17, 18, 27, 19, 20, 23, 24, 26	Modify the manufacturer and Type to Various.
		4	15A, 16A, 17A, 24A	Delete Y capacitor, Across-the-line Capacitor, Varistor, Main PWB.
		4	22	Add alternative Relay, model GK3FF-12VDC-S-A.
		7	4	Update the Cautionary Marking.
		8	-	Update the Test Summary.
11-Mar-2025	Jesse Jin	3	-	Delete Photo 17, 18.
2501B1057SHA	Kent Zhang	4	6	Correct the type name from "QD48Y11G" to "HD48Y11A"
20-May-2025	Jesse Jin	9	ML13	Add new models EFIC130-SS, EFIC117-C-SS, EFIC117-C-SSBLACK, EFIC120-B-SS-SC, EFIC120-B-BLKSS-SC for ML13, corresponding to basic model HZB-12/SH.
2505B0744SHA	Kent Zhang	9	ML70	Add new ML70 CyberChill Limited with its brand name cyberchill, and its models IM-BS260A, IM-BS260C, IM-BS260B, IM-BS262C, IM-BS262B, IM-BS261C, IM-BS261A, IM-BS261B, respectively corresponding to basic models HZB-12/SB, HZB-12/H, HZB-12/H, HZB-12/H, HZB-12/H, HZB-12/K, HZB-12/K, HZB-12/K.
5-Jun-2025	Jesse Jin	2	-	Add new model HZB-12/U and its model similarity and ratings.
2505B1490SHA	Kent Zhang	3	2VA-2VE, 4GA-4GD	Add photos for new model HZB-12/U.
		3	12BV, 12BW	Add photos for alternative Main PWB.
		3	5-12	Delete Photos 5-12.
		4	14	Delete Optical Isolators.
		4	21	Add alternative Optical Isolators, model QX2021 Series, HK3021 Series.
		4	29	Add DC step motor.
		4	30	Add water inlet valve for HZB-12/U.
		8	-	Update the Test Summary.
1-Jul-2025	Jesse Jin	9	ML13	Add new models for ML13, EFIC125-BLACK, EFIC125-followed by up to fifteen letters, corresponding to basic model HZB-12/H.
2507B0033SHA	Kent Zhang			

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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
16-Jul-2025	Kevin Zhang Rancho Ke <i>Kevin Zhang Rancho Ke</i>	9	ML71	Add new ML71 OVAN (HONG KONG) TECHNOLOGY LIMITED with its brand name WIE, and its models WI26USB-C201, WI26USB-C201-B, WI26USB-C201-W, WI26USB-C201-S, WI33USB, WI33USB-B, WI33USB-W, WI33USB-S
2507B1253SHA	Kent Zhang <i>Kent Zhang</i>			