

1.0 Reference and Address			
Report Number	190600099HZH-001	Original Issued: 23-Jul-2019	Revised: 17-Jul-2020
Standard(s)	Safety Of Household And Similar Electrical Appliances, Part 1: General Requirements [UL 60335-1:2016 Ed.6] Safety Of Household And Similar Appliances - Part 1: General Requirements [CSA C22.2#60335-1:2016 Ed.2] Household And Similar Electrical Appliances – Safety – Part 2-40: Particular Requirements For Electrical Heat Pumps, Air-Conditioners And Dehumidifiers [UL 60335-2-40:2017 Ed.2] Household And Similar Electrical Appliances – Safety – Part 2-40: Particular Requirements For Electrical Heat Pumps, Air-Conditioners And Dehumidifiers [CSA C22.2#60335-2-40:2017 Ed.2]		
Applicant	<u>Zhejiang Oulun Electric Co., Ltd.</u>	Manufacturer	Zhejiang Oulun Electric Co., Ltd.
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2.0 Product Description						
Product	Portable Air Conditioner					
Brand name	NA					
Description	The product covered by this report is a portable air conditioner intended for household and similar place use. The product is a cord-connected unit with a recognized mould-on grounding plug and intended to be connected to 115VAC power supply.					
Models	OL-KYR35-A5B, OL-KYR29-A011A2, OL-KY29-A011A2, OL-KYR29-A011C2, OL-KY29-A011C2, OL-KYR35-A012A, OL-KY35-A012A, OL-KYR41-A012A, OL-KY41-A012A					
Model Similarity	All models have similar construction and appearance, the models with letters "KYR" have both cooling and heating function and "KY" have only cooling function. OL-KYR35-A012A is same as OL-KYR41-A012A except for different rating, the same difference to OL-KY35-A012A and OL-KY41-A012A.					
Ratings	115VAC, 60Hz for all models. (rated cooling input condition: dry bulb temperature: 35°C, wet bulb temperature: 24°C; rated heating input condition: dry bulb temperature: 20°C, wet bulb temperature: 12°C)					
	model	rated cooling input	rated heating input	RLA	LRA	fan motor power
	OL-KYR35-A5B	1310W/11.8A	1125W/10A	9.5A	50.5A	0.214HP
	OL-KYR29-A011A2	1165W/10.3A	902W/8.0A	6.7A	35A	0.228HP
	OL-KY29-A011A2	1165W/10.3A	/			0.228HP
	OL-KYR29-A011C2	1165W/10.3A	902W/8.0A			0.228HP
	OL-KY29-A011C2	1165W/10.3A	/			0.228HP
	OL-KYR35-A012A	1330W/11.8A	1030W/9.2A	9.5A	50.5A	Indoor:0.09HP Outdoor:0.124 HP
	OL-KY35-A012A	1330W/11.8A	/			
	OL-KYR41-A012A	1390W/12A	1080W/9.5A			
OL-KY41-A012A	1390W/12A	/				
Other Ratings	High-side pressure: 551 psig(3.8MPa), low-side pressure:174 psig(1.2MPa) for all models					
	model	Refrigerant/charge			BCSC	
	OL-KYR35-A5B	R410A/17.98oz(510g)			15A	
	OL-KYR29-A011A2	R410A/13.4oz(380g)				
	OL-KY29-A011A2					
	OL-KYR29-A011C2					
	OL-KY29-A011C2					
	OL-KYR35-A012A	R410A/16.23oz(460g)				
	OL-KY35-A012A					
	OL-KYR41-A012A					
	OL-KY41-A012A					

3.0 Product Photographs

Photo 1 - over view of OL-KYR35-A5B



Photo 2 - over view of OL-KYR35-A5B



3.0 Product Photographs

Photo 3 - control panel view of OL-KYR35-A5B



Photo 4 - internal view of OL-KYR35-A5B



3.0 Product Photographs

Photo 5 - intenal view of OL-KYR35-A5B

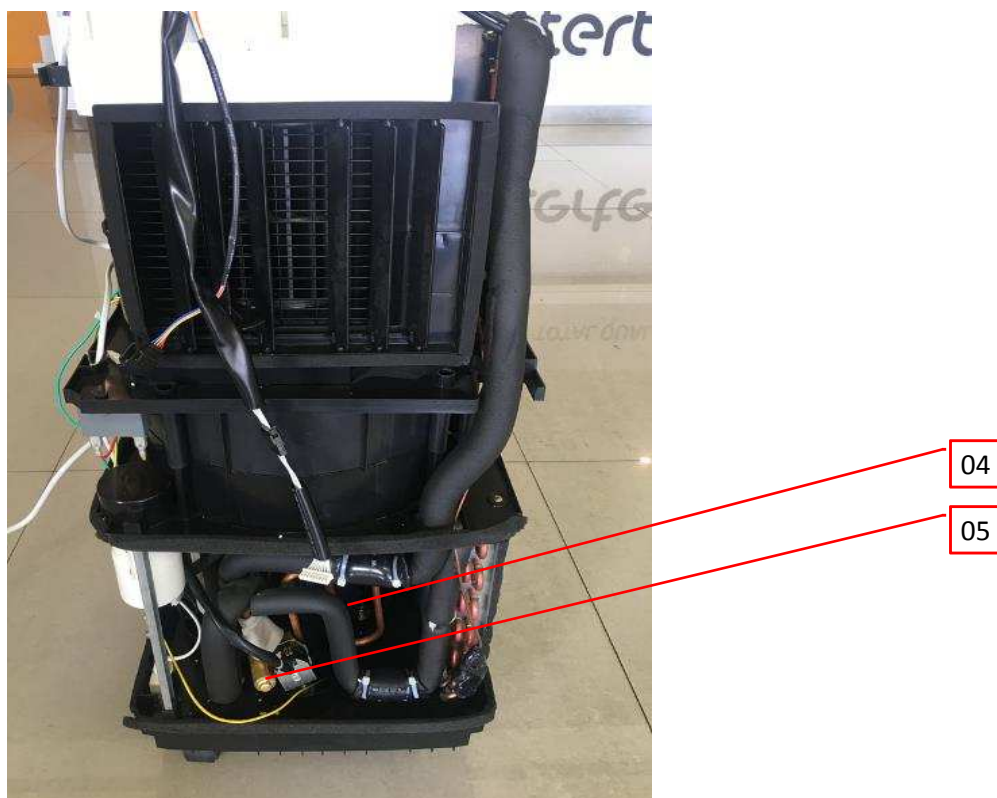
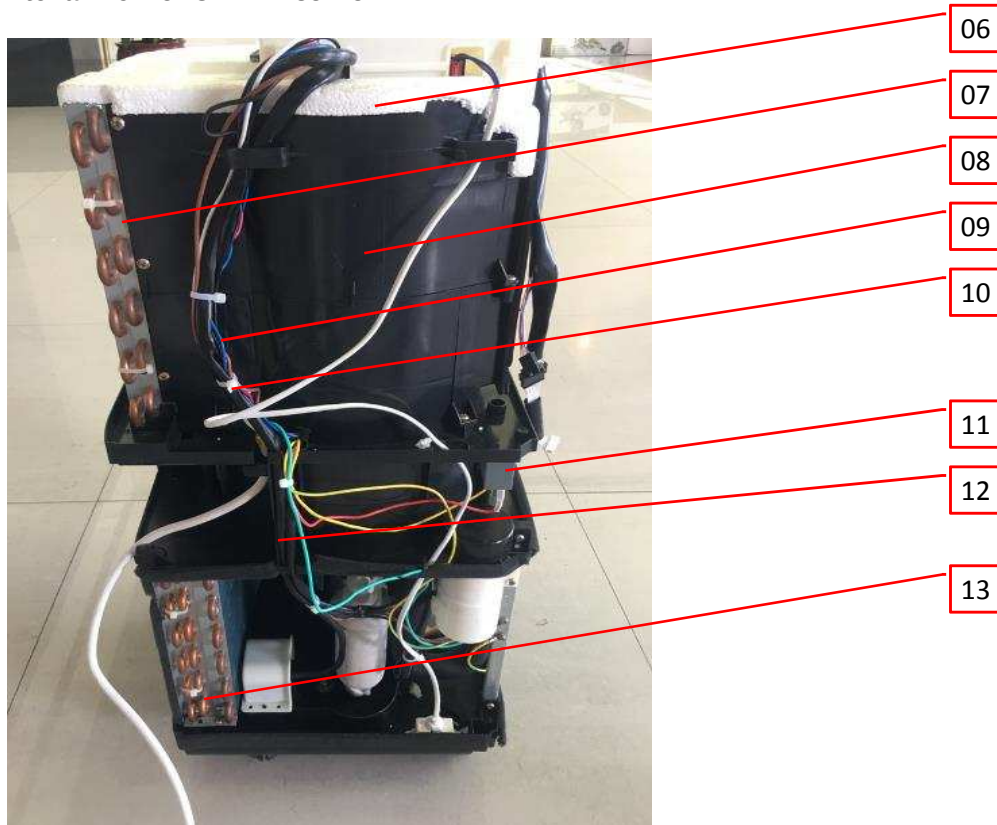


Photo 6 - intenal view of OL-KYR35-A5B



3.0 Product Photographs

Photo 7 - intenal view of OL-KYR35-A5B



Photo 8 - intenal view of OL-KYR35-A5B



3.0 Product Photographs

Photo 9 - intenal view of OL-KYR35-A5B

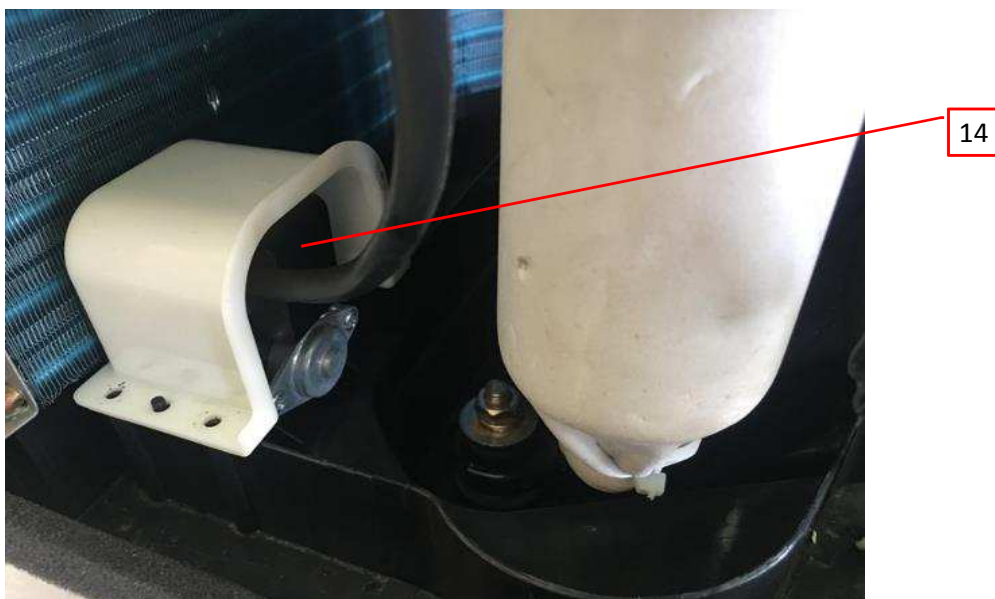
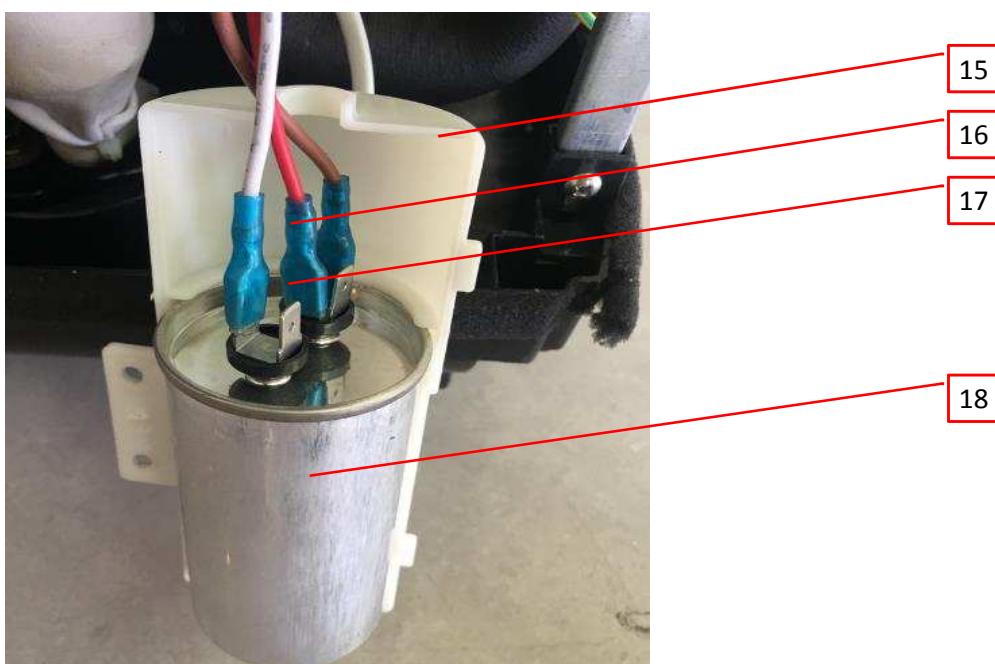


Photo 10 - intenal view of OL-KYR35-A5B



3.0 Product Photographs

Photo 11 - main PWB view of OL-KYR35-A5B

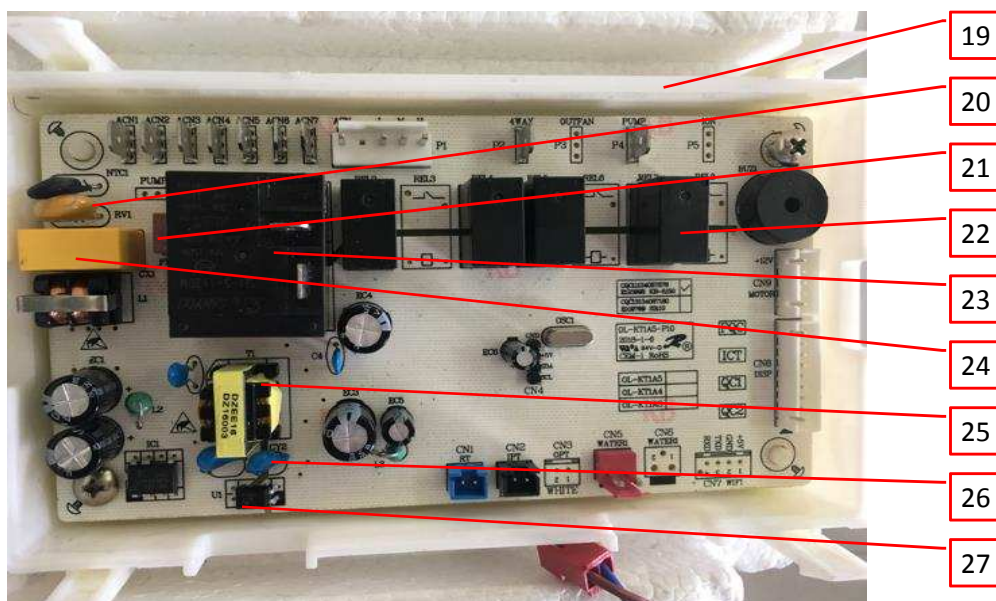
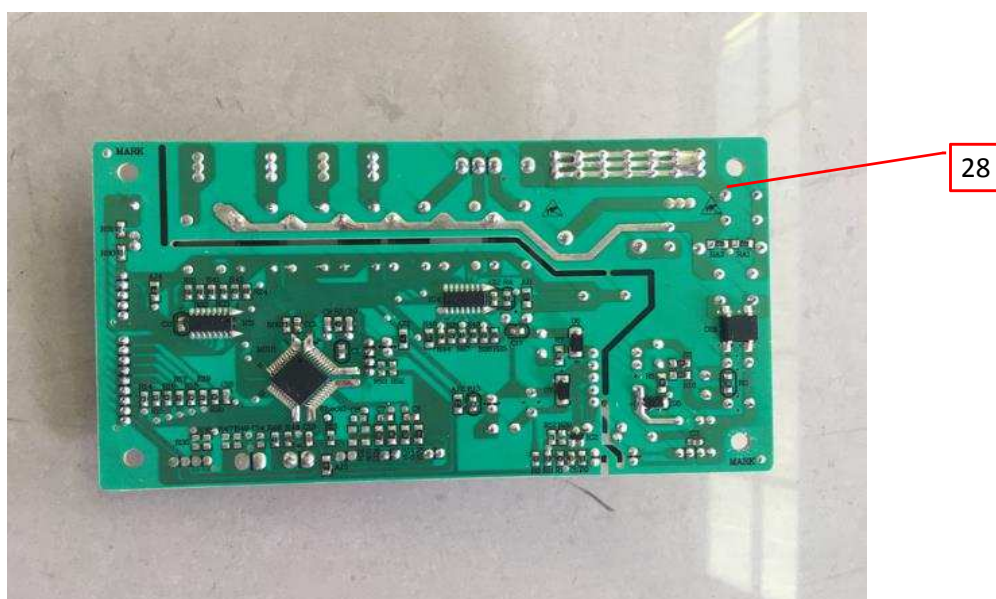


Photo 12 - main PWB view of OL-KYR35-A5B



3.0 Product Photographs

Photo 13 - fan motor view

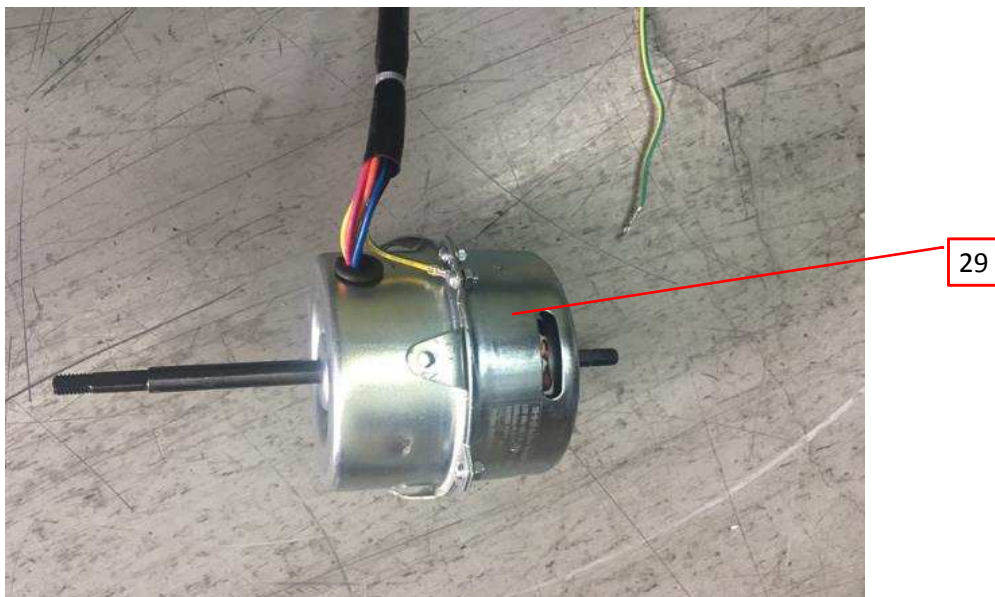


Photo 14 - over view of OL-KYR29-A011C2



3.0 Product Photographs

Photo 15 - over view of OL-KYR29-A011C2



Photo 16 - control panel view of OL-KYR29-A011C2



3.0 Product Photographs

Photo 17 - internal view of OL-KYR29-A011C2

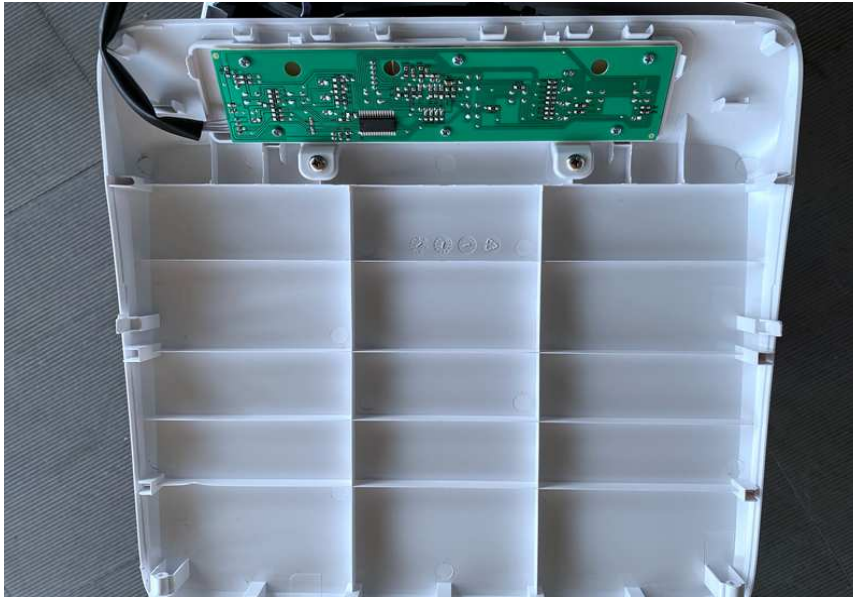


Photo 18 - internal view of OL-KYR29-A011C2



3.0 Product Photographs

Photo 19 - internal view of OL-KYR29-A011C2

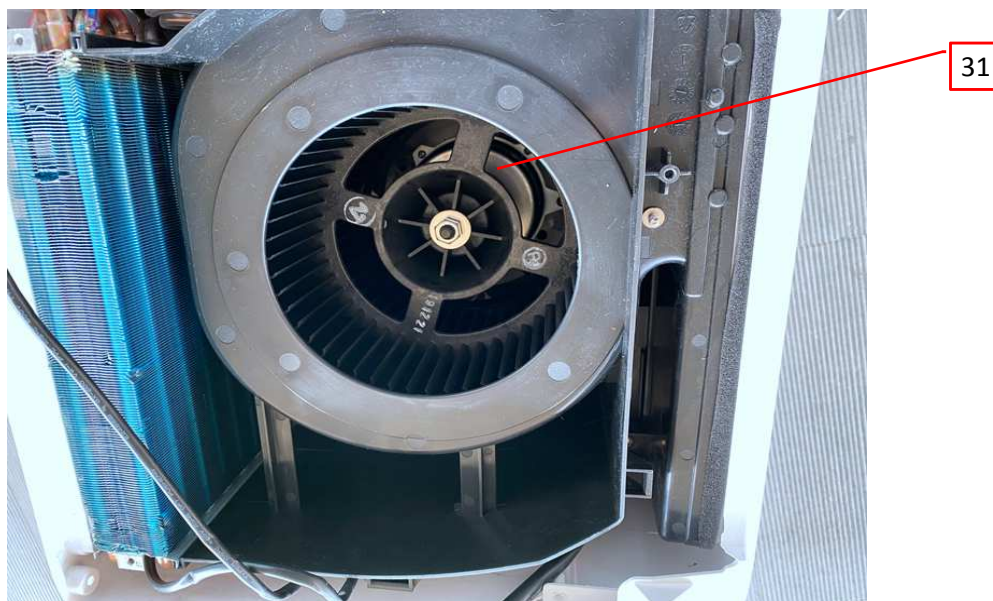


Photo 20 - internal view of OL-KYR29-A011C2



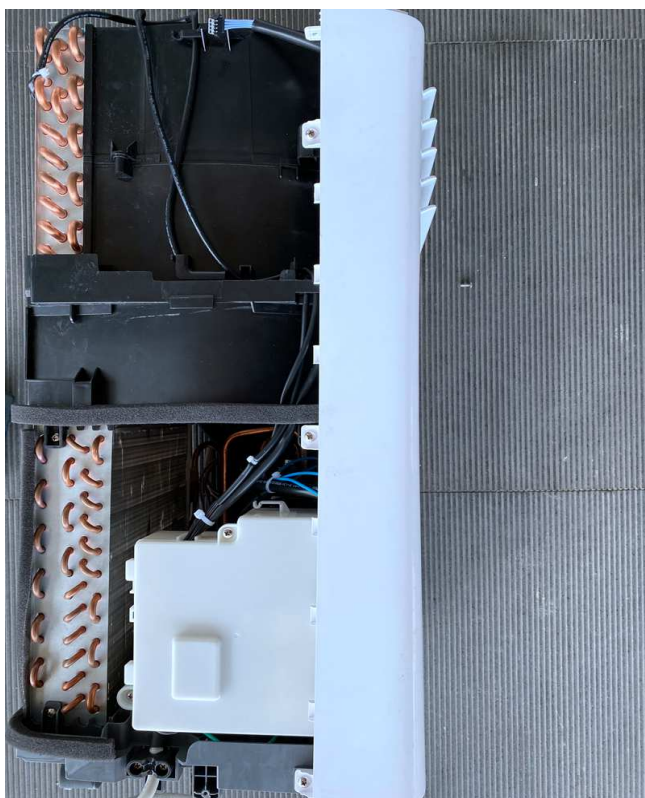
3.0 Product Photographs

Photo 21 - internal view of OL-KYR29-A011C2



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Photo 22 - internal view of OL-KYR29-A011C2



3.0 Product Photographs

Photo 23 - internal view of OL-KYR29-A011C2

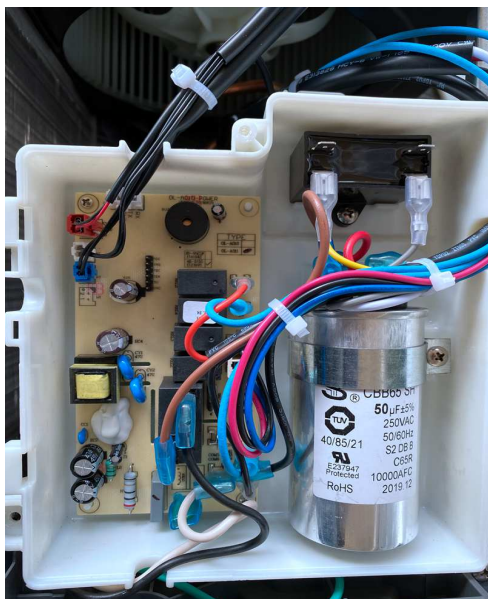


Photo 24 - main PWB view of OL-KYR29-A011C2



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Photo 25 - main PWB view of OL-KYR29-A011C2

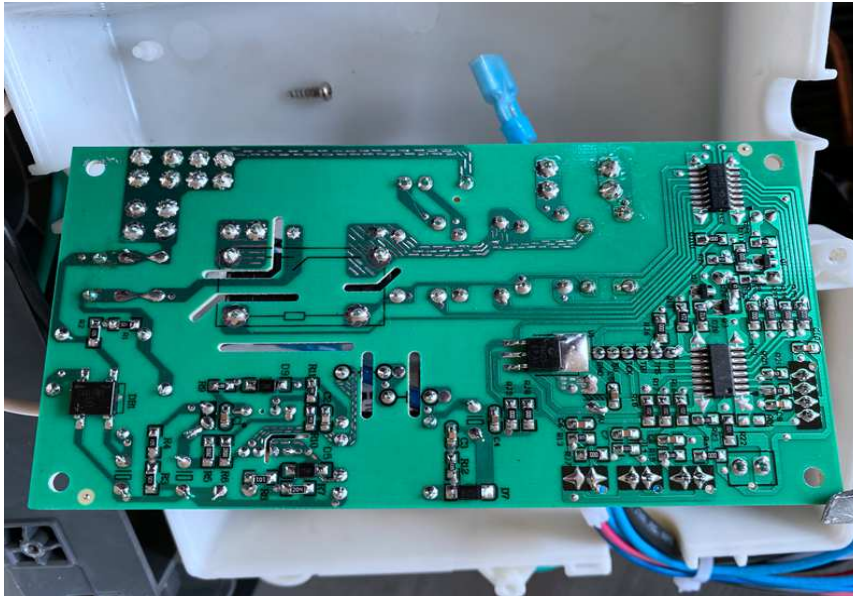


Photo 26 - over view of OL-KYR29-A011A2



3.0 Product Photographs

Photo 27 - over view of OL-KYR29-A011A2



Photo 28 - over view of OL-KYR41-A012A



3.0 Product Photographs

Photo 29 - over view of OL-KYR41-A012A



Photo 30 - internal view of OL-KYR41-A012A



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3.0 Product Photographs

Photo 31 - internal view of OL-KYR41-A012A

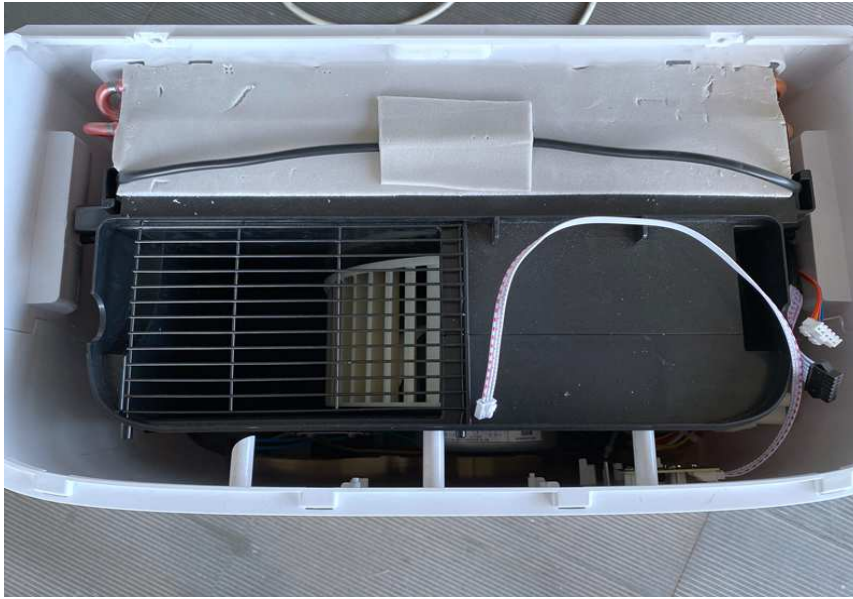
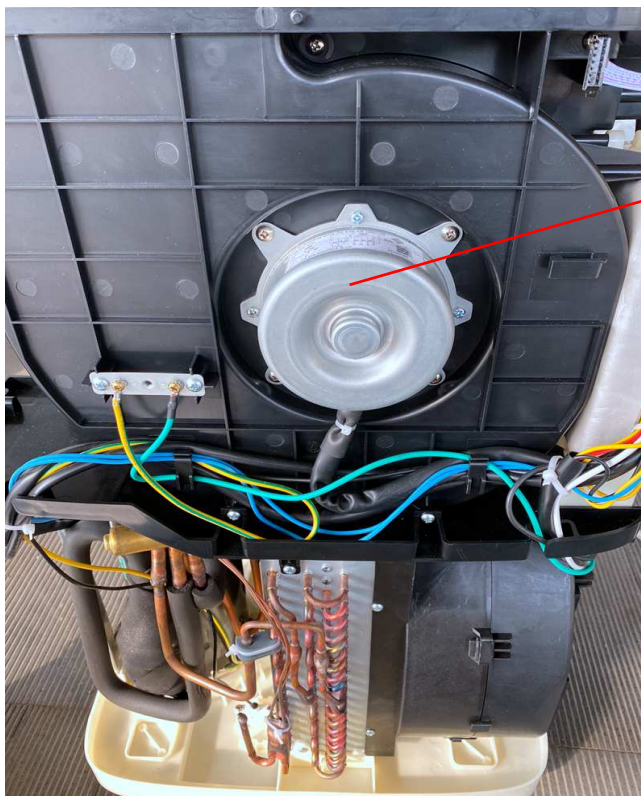


Photo 32 - internal view of OL-KYR41-A012A



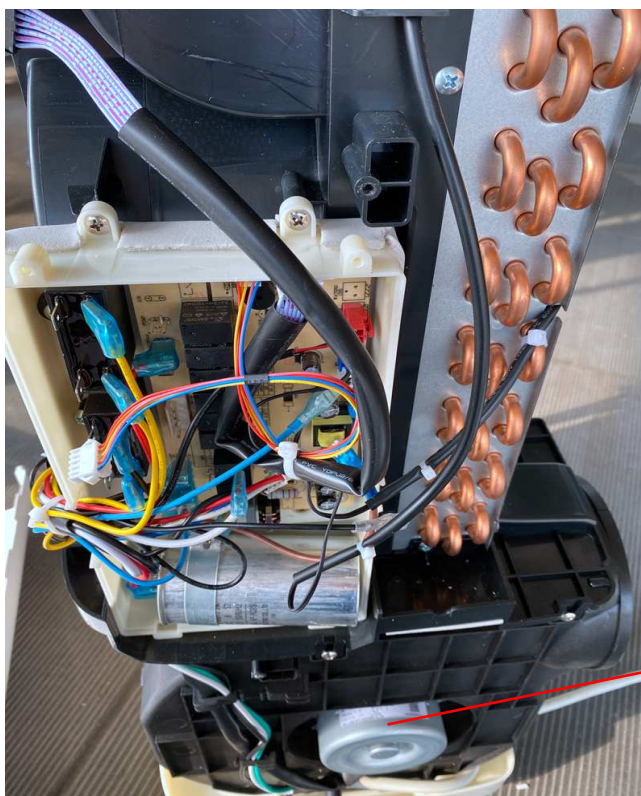
3.0 Product Photographs

Photo 33 - internal view of OL-KYR41-A012A



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Photo 34 - internal view of OL-KYR41-A012A



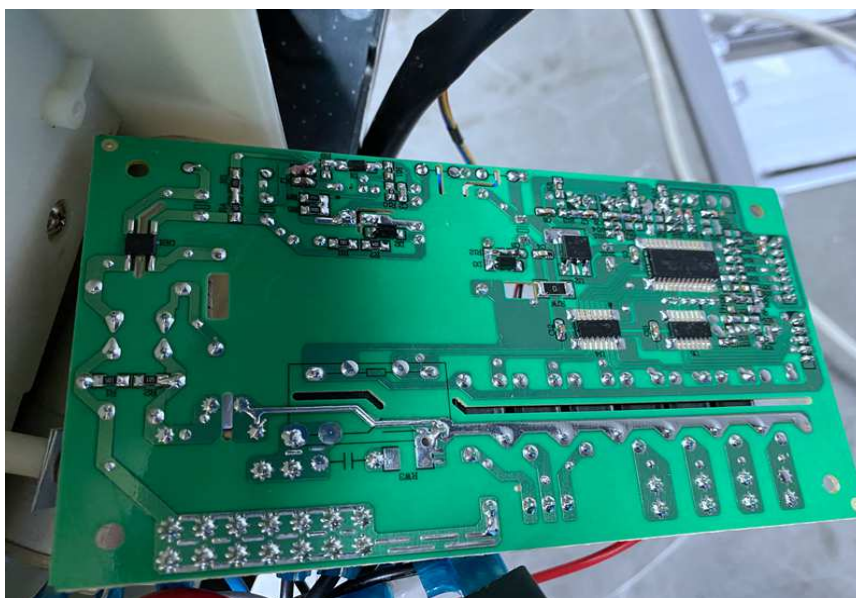
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3.0 Product Photographs

Photo 35 - main PWB view of OL-KYR41-A012A



Photo 36 - main PWB view of OL-KYR41-A012A



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	Plastic enclosure	CHI MEI CORPORATION	PA-765A(+)	ABS, rated V-0 or 5VB, RTI (85,80,85)°C, min. 2.1mm thickness.	cURus
1	2	Power cord	SUZHOU ELE WIRE & CABLE CO LTD	JLL301	Rated 12-16AWG×3C, 105°C, VW-1, 1.5-3m length, terminated in an plug.	UL, CSA
			TOWER MFG CORP	21571	Rated 12-16AWG×3C, 105°C, VW-1, 1.5-3m length.	UL, CSA
			Various	Various	Rated 12-16AWG×3C, 105°C, VW-1, 1.5-3m length.	UL, CSA
1	3	Plug	SHANGHAI ELE MFG CORP	LCDI L15515	Rated 120VAC, 13A for OL-OL-KYR29-A011A2, OL-KY29-A011A2, OL-KYR29-A011C2 and OL-KY29-A011C2, 15A for other models.	UL, CSA
			TOWER MFG CORP	LCDI 30380	Rated 120VAC, 13A for OL-OL-KYR29-A011A2, OL-KY29-A011A2, OL-KYR29-A011C2 and OL-KY29-A011C2, 15A for other models.	UL, CSA
			TOWER MFG CORP	LCDI 30385	Rated 120VAC, 13A for OL-OL-KYR29-A011A2, OL-KY29-A011A2, OL-KYR29-A011C2 and OL-KY29-A011C2, 15A for other models.	UL, CSA
			Various	Various	Rated 120VAC, 13A for OL-OL-KYR29-A011A2, OL-KY29-A011A2, OL-KYR29-A011C2 and OL-KY29-A011C2, 15A for other models, with LCDI protection.	UL, CSA
5	4	Compressor	RECHI PRECISION CO LTD	44A2G1AG	Rated 115VAC, 60Hz, R410A, thermally protected. Secured to plastic base by screws. For OL-KYR35-A5B, OL-KYR35-A012A, OL-KY35-A012A, OL-KYR41-A012A and OL-KY41-A012A.	cURus
5	5	4-way valve	ZHEJIANG CHUNHUI GROUP CO LTD	DHF-5	Rated 110-120V, 1E5 cycles.	cURus
			ZHEJIANG SANHUA CLIMATE&APPLIANCE CONTROLS	SHF-4H-23U-P	Rated 110-120V, 1E5 cycles.	cURus
			Zhongshan City Gangli Refrigeration Fittings Co., Ltd.	SHF-4	Rated 110-120V, 1E5 cycles.	cURus
6	6	Thermal insulation	JIANGSU SUNCHEM NEW MATERIALS CO LTD	C1(a)	Rated HF-1, RTI (50,50,50)°C, min 8.1mm thickness.	cURus
6	7	Evaporator	CHUKFAN METAL PRODUCTS CO	Various	Copper tube with aluminium fins, copper tube: 0.35mm thickness, 7mm outer diameter.	NR

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Photo #	Item no. ¹	Name	Manufacturer/ trademark ²	Type / model ²	Technical data and securement means	Mark(s) of conformity ³
6	8	Air duct	CHI MEI CORPORATION	PA-765A(+)	ABS, rated V-0 or 5VB, RTI (85,80,85)°C, min. 2.1mm thickness.	cURus
6	9	Internal wire	Various	1015	Rated 14-20AWG, 600V, 105°C.	cURus
6	10	Cable ties	CHANGHONG PLASTIC CO LTD	PKD1-3/100	Rated 80°C, used to fix internal wire	cURus
			CHANGHONG PLASTIC CO LTD	PDK1-4/150	Rated 80°C.	cURus
6	11	Capacitor for fan motor	GUANGDONG FENGMING ELECTRONIC TECH CO LTD	CBB61-P2	Rated 250VAC, 50/60Hz, 5µF, 8µF or 15µF. Secured to plastic base by screws.	cURus
			NINGGUO HUILI ELECTRIC CO LTD	CBB61	Rated 250VAC, 50/60Hz, 5µF, 8µF or 15µF.	cURus
			SHENG YE ELECTRIC CO LTD	C61-P2	Rated 250VAC, 50/60Hz, 5µF, 8µF or 15µF.	cURus
			FOSHAN CITY SHUNDE XUNDE ELECTRICAL AND ELECTRONIC CO LTD	CBB61	Rated 250VAC, 50/60Hz, 5µF, 8µF or 15µF.	cURus
			ZHONGSHAN EPERS ELECTRICAL APPLIANCES CO LTD	CBB61	Rated 250VAC, 50/60Hz, 5µF, 8µF or 15µF.	cURus
6	12	Flexible tubing	Various	Various	Rated 600V, 125°C or 105°C, VW-1.	cURus
6	13	Condenser	CHUKFAN METAL PRODUCTS CO	Various	Copper tube with aluminium fins, copper tube: 0.35mm thickness, 7mm outer diameter.	NR
9	14	Water pump	YUYAO LIZHOU MACHINERY & ELECTRIC APPLIANCES MANUFACTURE CO LTD	YJF-4816	Rated AC120V, 60Hz, 17W, Class A. Secured to plastic base on screws.	ETL&CET L
10	15	Plastic cover for capacitor	CHI MEI CORPORATION	PA-765A(+)	ABS, rated 5VA, RTI (85,80,85)°C, min. 2.5mm thickness.	cURus
			FORMOSA CHEMICALS & FIBRE CORP PLASTICS DIV	AC310(+)	ABS, rated 5VA, RTI (90,85,90)°C, min. 3mm thickness.	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
10	16	Insulator for quick-connect terminal	ZHEJIANG ZUCH TECHNOLOGY CO LTD	SF250	Rated 600V, VW-1, 105°C.	cURus
			ZHEJIANG ZUCH TECHNOLOGY CO LTD	SR250	Rated 600V, VW-1, 105°C.	cURus
			ZHEJIANG ZUCH TECHNOLOGY CO LTD	SF187	Rated 600V, VW-1, 105°C.	cURus
			ZHEJIANG ZUCH TECHNOLOGY CO LTD	SR187	Rated 600V, VW-1, 105°C.	cURus
10	17	Quick-connect terminal	ZHEJIANG ZUCH TECHNOLOGY CO LTD	TP250	Copper.	cURus
			ZHEJIANG ZUCH TECHNOLOGY CO LTD	TF250	Copper.	cURus
			ZHEJIANG ZUCH TECHNOLOGY CO LTD	TP187	Copper.	cURus
			ZHEJIANG ZUCH TECHNOLOGY CO LTD	TF187	Copper.	cURus
10	18	Capacitor for compressor	GUANGDONG FENGMING ELECTRONICTECH CO LTD	CBB65	Rated 250VAC, 50/60Hz, 50μF or 60μF. Installed in plastic cover.	cURus
			NINGGUO HUILI ELECTRIC CO LTD	CBB65	Rated 250VAC, 50/60Hz, 50μF or 60μF.	cURus
			NINGGUO HUNING ELECTRIC APPARATUS CO LTD	CBB65	Rated 250VAC, 50/60Hz, 50μF or 60μF.	cURus
			SHENG YE ELECTRIC CO LTD	C65R	Rated 250VAC, 50/60Hz, 50μF or 60μF.	cURus
			ANHUI XINTIANDI ELECTRICAL APPLIANCES CO LTD	CBB65	Rated 250VAC, 50/60Hz, 50μF or 60μF.	cURus
			FOSHAN CITY SHUNDE XUNDE ELECTRICAL AND ELECTRONIC CO LTD	CBB65	Rated 250VAC, 50/60Hz, 50μF or 60μF.	cURus

4.0 Critical Components						
Photo #	Item no. ¹	Name	Manufacturer/ trademark ²	Type / model ²	Technical data and securement means	Mark(s) of conformity ³
11	19	Control box cover	CHI MEI CORPORATION	PA-765A(+)	ABS, rated 5VA, RTI (85,80,85)°C, min. 2.5mm thickness.	cURus
			FORMOSA CHEMICALS & FIBRE CORP PLASTICS DIV	AC310(+)	ABS, rated 5VA, RTI (90,85,90)°C, min. 3mm thickness.	cURus
11	20	Varistor	GUANGXI NEW FUTURE INFORMATION INDUSTRY CO LTD	NFC 10D271K	Rated 175VAC, 125°C. Secured to main PWB by soldering.	cURus
			THINKING ELECTRONIC INDUSTRIAL CO LTD	TVR 10271	Rated 175VAC, 105°C.	cURus
			GUANGDONG FENGHUA ADVANCED TECHNOLOGY HOLDINGCOLTD. XIANHUA NEW SENSITIVE COMPONENTS BRANCH	FNR 10K271	Rated 175VAC, 105°C.	cURus
			XIAN XIWUER ELECTRONIC & INFORMATION CO LTD	MYG3 10k175	Rated 175VAC, 85°C.	cURus
			Haohua Electronic Co.	HVR10K271	Rated 175VAC, 85°C.	cURus
			CENTRA SCIENCE CORP	CNR-10D270K	Rated 175VAC, 105°C.	cURus
			Joyin Co Ltd	10N271K	Rated 175VAC, 85°C.	cURus
11	21	Fuse	XC ELECTRONICS (SHENZHEN) CORP LTD	5TE	Rated 250VAC, 3.15A. Secured to main PWB by soldering. For OL-KYR35-A5B.	cURus
			HOLLYLAND CO LTD	5ET	Rated 250VAC, 3.15A.	cURus
			DONGGUAN BETTER ELECTRONICS TECHNOLOGY CO LTD	932	Rated 250VAC, 3.15A.	cURus

4.0 Critical Components						
Photo #	Item no. ¹	Name	Manufacturer/ trademark ²	Type / model ²	Technical data and securement means	Mark(s) of conformity ³
11	22	Relay	NINGBO TIANBO GANGLIAN ELECTRONICS CO LTD	TRG1HD-12VDC-S-H	Rated 240VAC, 8A. Secured to main PWB by soldering. For other components except compressor.	cURus
			NINGBO TIANBO GANGLIAN ELECTRONICS CO LTD	TRG1D-12VDC-S-H	Rated 240VAC, 5A.	cURus
			SANYOU CORPORATION LTD	SJ-S-112DMH	Rated 250VAC, 10A.	cURus
			SANYOU CORPORATION LTD	SJ-S-112DM	Rated 250VAC, 5A.	cURus
			SANYOU CORPORATION LTD	SJ-SH-112DM2	Rated 250VAC, 5A.	cURus
			SANYOU CORPORATION LTD	SJ-SH-112DMH2	Rated 250VAC, 10A.	cURus
			WANGRONG ELECTRONICS (SHENZHEN) CO LTD	RJ-SS-112DM-S	Rated 250VAC, 5A.	cURus
11	23	Relay	NINGBO TIANBO GANGLIAN ELECTRONICS CO LTD	HJQ-15F-2-S-H	Rated 240VAC, 30A. Secured to main PWB by soldering. For compressor.	cURus
			SANYOU CORPORATION LIMITED	SLI-S-112DM	Rated 240VAC, 30A.	cURus
			SANYOU CORPORATION LIMITED	SLI-S-112DMK	Rated 240VAC, 30A.	cURus
			SANYOU CORPORATION LIMITED	SFK-112DM-E	Rated 250VAC, 25A.	cURus
			WANGRONG ELECTRONICS (SHENZHEN) CO LTD	RF-SS-112DMF	Rated 250VAC, 25A.	cURus
			NINGBO TIANBO GANGLIAN ELECTRONICS CO LTD	TRAF D-12VDC-H	Rated 250VAC, 25A.	cURus

4.0 Critical Components						
Photo #	Item no. ¹	Name	Manufacturer/ trademark ²	Type / model ²	Technical data and securement means	Mark(s) of conformity ³
11	24	X2 capacitor	SHANTOU HIGHNEW TECHNOLOGY DEVELOPMENT ZONE SONGTIAN ENTERPRISE CO LTD	MPX	Rated 275VAC, 0.1 or 0.47μF, 110°C. Secured to main PWB by soldering.	cURus
			FOSHAN SHUNDE CHUANG GE ELECTRONIC INDUSTRIAL CO LTD	MKP-X2	Rated 250/275VAC, 0.1 or 0.47μF, 105°C.	cURus
			GUANGDONG FENGMING ELECTRONIC TECH CO LTD	MKP-X2	Rated 250/275/310VAC, 0.1 or 0.47μF, 85°C or 105°C or 110°C.	cURus
			DONG GUAN AJC INDUSTRIAL CO LTD	MPX	Rated 275/305/310VAC, 0.1 or 0.47μF, 110°C .	cURus
			DONG GUAN AJC INDUSTRIAL CO LTD	MKP	Rated 275/305/310VAC, 0.1 or 0.47μF, 110°C .	cURus
			SHANGHAI XIANG RI YA ELECTRONICS CO LTD	MPX	Rated 275//305/310VAC, 0.1 or 0.47μF, 110°C.	cURus
			SHANGHAI XIANG RI YA ELECTRONICS CO LTD	MKP X2	Rated 275//305/310VAC, 0.1μF 0.47μF, 110°C.	cURus
			FOSHAN SHUNDE BEIJIAO HUA DA ELECTRIC INDUSTRIAL CO LTD	HD	Rated:250/275/280/300/305/310/330/350 VAC, 0.1 or 0.47μF, 85 or 105 or 110 °C .	cURus
			FOSHAN SHUNDE BEIJIAO HUA DA ELECTRIC INDUSTRIAL CO LTD	HD MKP	Rated:250/275/280/300/305/310/330/350 VAC, 0.1 or 0.47μF, 85 or 105 or 110 °C .	cURus

4.0 Critical Components						
Photo #	Item no. ¹	Name	Manufacturer/ trademark ²	Type / model ²	Technical data and securement means	Mark(s) of conformity ³
11	25	Transformer	Foshan City ShunDe Area QiangLi Electrical CO LTD	DZ16003	1.6mH, Bobbin: PMC, type T383J, rated V-0, 150°C, min. 1.5mm thickness. All Windings: rated 130°C. Pri. winding: E1: Ø0.2mm, 33 turns; N1: Ø0.15mm, 129 turn; E2: Ø0.32*4mm, 5 turns, 3 layers insulated between pri. and sec. windings. Sec. winding: N2: Ø0.25*2mm, 7 turns; N3: Ø0.2*2mm, 9 turns. Secured to main PWB by soldering.	NR
			Foshan Shunde Shuoli Electronics & Electrical Appliance Co., Ltd	E16006VA	1.3mH, Bobbin: PMC, type T375J, rated V-0, 150°C, min. 1.5mm thickness. All Windings: rated 130°C. Pri. winding: N1: Ø0.17mm, 120 turns; N2: Ø0.17mm, 33 turns; N4: Ø0.17mm, 20 turns, 3 layers insulated between pri. and sec. windings. Sec. winding: N3: Ø0.4mm, 20 turns.	NR
11	26	Y capacitor	JYH CHUNG ELECTRONICS CO LTD	JD	Rated 1000pF, 2200pF or 4700pF, 85°C or 125°C. Secured to main PWB by soldering.	cURus
			JYA-NAY CO LTD	JN	Rated 1000pF, 2200pF or 4700pF, 125°C.	cURus
			JYH HSU (JEC) ELECTRONICS	JD	Rated 1000pF, 2200pF or 4700pF, 85°C or 125°C.	cURus
			GUANGDONG SOUTH HONGMING ELECTRONIC SCIENCE & TECHNOLOGY CO LTD	F	Rated 1000pF, 2200pF or 4700pF, 125°C.	cURus
			SHENZHEN SONGTE ELECTRONIC CO LTD	CT7	Rated 1000pF, 2200pF or 4700pF, 85°C or 125°C.	cURus
			SHANTOU HIGHNEW TECHNOLOGY DEVELOPMNT ZONE SONGTIAN ENTERPRISE CO LTD	CD	Rated 1000pF, 2200pF or 4700pF, 125°C.	cURus
			NAN JING YUYUE ELECTRONICS CO LTD	CT7	Rated 1000pF, 2200pF or 4700pF, 125°C.	cURus

4.0 Critical Components						
Photo #	Item no. ¹	Name	Manufacturer/ trademark ²	Type / model ²	Technical data and securement means	Mark(s) of conformity ³
11	27	Optocoupler	EVERLIGHT ELECTRONICS CO LTD	EL817	Rated 5000VAC isolation. For OL-KYR35-A5B.	cURus
			LITE-ON TECHNOLOGY CORP	LTV-817	Rated 5300VAC isolation.	cURus
			BRIGHT LED ELECTRONICS CORP	BPC-817C	Rated 5000VAC isolation.	cURus
12	28	PWB material	Various	Various	Rated V-0, 130°C, min. 1.6mm thickness.	cURus
13	29	Fan motor	Zhengjiang Jingda Motor Co.,Ltd	YDK-90-4/F	Rated 115V, 60Hz, Class A. Secured to metal base by screws. For OL-KYR35-A5B.	See 5.0
13	30	Marking label (not shown)	ZHONGSHAN KING LABEL ADHESIVE PRODUCTS CO	KL-TLT	Rated 80°C. Pasted to the enclosure of appliance.	cURus
19	31	Fan motor	Zhejiang Oulun Electric Co., Ltd	YDK-65-4/F	Rated 115V, 60Hz. Class A. For OL-KYR29-A011A2, OL-KY29-A011A2, OL-KYR29-A011C2 and OL-KY29-A011C2.	See 5.0
21	32	Compressor	GUANGDONG MEIZHI COMPRESSOR LTD	KSN84E12V	Rated 115VAC, 60Hz, R410A, thermally protected. Secured to plastic base by screws. For OL-KYR29-A011A2, OL-KY29-A011A2, OL-KYR29-A011C2 and OL-KY29-A011C2.	cURus
30	33	Step motor	Changzhou Minsheng Electronics Co.,Ltd	30BYJ46	Rated 12VDC, Class A. Secured to enclosure by screws. For OL-KYR35-A012A, OL-KY35-A012A, OL-KYR41-A012A and OL-KY41-A012A.	NR
33	34	Fan motor	Zhejiang Oulun Electric Co., Ltd	YDK-20-6	Rated 115V, 60Hz. Class A. For OL-KYR35-A012A, OL-KY35-A012A, OL-KYR41-A012A, OL-KY41-A012A. For indoor.	See 5.0
34	35	Fan motor	Zhejiang Oulun Electric Co., Ltd	YDK-50-6	Rated 115V, 60Hz. Class A. For OL-KYR35-A012A, OL-KY35-A012A, OL-KYR41-A012A, OL-KY41-A012A. For outdoor.	See 5.0

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
35	36	Fuse	XC ELECTRONICS (SHENZHEN) CORP LTD	4T	Rated 250VAC, 2A. Secured to main PWB by soldering. For all models except for OL-KYR35-A5B.	cURus
			DONGGUAN HONGDA ELECTRONIC TECHNOLOGY CO LTD	31TC	Rated 250VAC, 2A.	cURus
			DONGGUAN BETTER ELECTRONICS TECHNOLOGY CO LTD	334	Rated 250VAC, 2A.	cURus
			HONG HU BLUELIGHT ELECTRONIC CO LTD	L3CT	Rated 250VAC, 2A.	cURus
NOTES:						
1) Not all item numbers are indicated (called out) in the photos, as their location is obvious.						
2) “Various” means any type, from any manufacturer that complies with the "Technical data and securement means" and meets the "Mark(s) of conformity" can be used.						
3) Indicates specific marks to be verified, which assures the agreed level of surveillance for the component. "NR" - indicates Unlisted and only visual examination is necessary. "See 5.0" indicates Unlisted components or assemblies to be evaluated periodically refer to section 5.0 for details.						

5.0 Critical Unlisted CEC Components

INSULATED COIL				
Photo #	Item no.	Name	Manufacturer/Trademark	Type / model
13	29	Fan motor	Zhengjiang Jingda Motor Co.,Ltd	YDK-90-4/F
Electrical Rating: 115V, 60Hz				Insulation class A
Component Standard used: UL 1004-1 &UL 1004-3 & CSA C22.2 No. 77				

MATERIALS LIST

Component	Manufacturer	Type/model	Dimensions/thickness/assembly information
Magnet Wire	ZHEJIANG GRANDWALL ELECTRIC SCIENCE & TECHNOLOG CO LTD	Q(Z/X)-2/130L	Temp class 130°C.
Insulating Tape	SICHUAN DONGFANG INSULATING MATERIAL CO LTD	6023	PET, VTM-2, RTI(105,105,105)°C.
Thermal protector	CHANGZHOU DESHENG HENGHUI ELECTRONICS CO LTD	BW-B2D	Auto reset, 125°C.
	TAIXING CHANGHONG TONGLING ELECTRIC APPLIANCE CO LTD	KW-C1	Auto reset, 125°C.
Leads	Various	1015	18-22AWG, 105°C, VW-1, 600V.

WINDING(S) RESISTANCE

Winding Designation	Wire Size (mm)	Wire Type	Turns	Volts	Amps	DC resistance (Ω) +/- 10%:
Primary Windings	Ø0.49	/	/	/	/	11.5Ω
Auxiliary Windings	Ø0.47	/	/	/	/	12.5Ω

VERIFICATION PROCESS

Frequency: Annual	Test Site: CEC	Number of samples to test: 1	
Test Name	Test Parameters		
Winding resistance	See resistance per winding above.		
Dielectric Strength	Apply voltage Between	Test Voltage	Test Time
	Winding to core	1000V	1 minute

5.0 Critical Unlisted CEC Components

INSULATED COIL				
Photo #	Item no.	Name	Manufacturer/Trademark	Type / model
19	31	Fan motor	Zhejiang Oulun Electric Co., Ltd	YDK-65-4/F
Electrical Rating: 115V, 60Hz				Insulation class A
Component Standard used: UL 1004-1 &UL 1004-3 & CSA C22.2 No. 77				

MATERIALS LIST

Component	Manufacturer	Type/model	Dimensions/thickness/assembly information
Magnet Wire	ZHEJIANG GRANDWALL ELECTRIC SCIENCE & TECHNOLOG CO LTD	Q(Z/X)-2/130L	Temp class 130°C.
Insulating Tape	SICHUAN DONGFANG INSULATING MATERIAL CO LTD	6023	PET, VTM-2, RTI(105,105,105)°C.
Thermal protector	CHANGZHOU DESHENG HENGHUI ELECTRONICS CO LTD	BW-B2D	Auto reset, 125°C.
	TAIXING CHANGHONG TONGLING ELECTRIC APPLIANCE CO LTD	KW-C1	Auto reset, 125°C.
Leads	Various	1015	18-22AWG, 105°C, VW-1, 600V.

WINDING(S) RESISTANCE

Winding Designation	Wire Size (mm)	Wire Type	Turns	Volts	Amps	DC resistance (Ω) +/- 10%:
Primary Windings	Ø0.44	/	/	/	/	15.2Ω
Auxiliary Windings	Ø0.44	/	/	/	/	13Ω

VERIFICATION PROCESS

Frequency: Annual	Test Site: CEC	Number of samples to test: 1	
Test Name	Test Parameters		
Winding resistance	See resistance per winding above.		
Dielectric Strength	Apply voltage Between	Test Voltage	Test Time
	Winding to core	1000V	1 minute

5.0 Critical Unlisted CEC Components

INSULATED COIL						
Photo #	Item no.	Name	Manufacturer/Trademark	Type / model		
33	34	Fan motor	Zhejiang Oulun Electric Co., Ltd	YDK-20-6		
Electrical Rating: 115V, 60Hz				Insulation class A		
Component Standard used: UL 1004-1 &UL 1004-3 & CSA C22.2 No. 77						
MATERIALS LIST						
Component	Manufacturer	Type/model	Dimensions/thickness/assembly information			
Magnet Wire	Various	Various	Temp class 130°C.			
Insulating Tape	JIANGSU YUXING FILM TECHNOLOGY CO LTD	6021	PET, VTM-2, RTI(105,105,105)°C.			
Thermal protector	JIANGSU CHANGSHENG ELECTRIC APPLIANCE CO LTD	BR-A	Auto reset, 125°C.			
	JIANGSU CHANGSHENG ELECTRIC APPLIANCE CO LTD	BR-A2D	Auto reset, 125°C.			
Leads	Various	1015	18-22AWG, 105°C, VW-1, 600V.			
WINDING(S) RESISTANCE						
Winding Designation	Wire Size (mm)	Wire Type	Turns	Volts	Amps	DC resistance (Ω) +/- 10%:
Primary Windings	Ø0.25	/	/	/	/	94.6Ω
Auxiliary Windings	Ø0.23	/	/	/	/	39.9Ω(H)
VERIFICATION PROCESS						
Frequency: Annual	Test Site: CEC			Number of samples to test: 1		
Test Name	Test Parameters					
Winding resistance	See resistance per winding above.					
Dielectric Strength	Apply voltage Between			Test Voltage		Test Time
	Winding to core			1000V		1 minute

5.0 Critical Unlisted CEC Components

INSULATED COIL						
Photo #	Item no.	Name	Manufacturer/Trademark	Type / model		
34	35	Fan motor	Zhejiang Oulun Electric Co., Ltd	YDK-50-6		
Electrical Rating: 115V, 60Hz				Insulation class A		
Component Standard used: UL 1004-1 &UL 1004-3 & CSA C22.2 No. 77						
MATERIALS LIST						
Component	Manufacturer	Type/model	Dimensions/thickness/assembly information			
Magnet Wire	Various	Various	Temp class 130°C.			
Insulating Tape	JIANGSU YUXING FILM TECHNOLOGY CO LTD	6021	PET, VTM-2, RTI(105,105,105)°C.			
Thermal protector	JIANGSU CHANGSHENG ELECTRIC APPLIANCE CO LTD	BR-A	Auto reset, 125°C.			
	JIANGSU CHANGSHENG ELECTRIC APPLIANCE CO LTD	BR-A2D	Auto reset, 125°C.			
Leads	Various	1015	18-22AWG, 105°C, VW-1, 600V.			
WINDING(S) RESISTANCE						
Winding Designation	Wire Size (mm)	Wire Type	Turns	Volts	Amps	DC resistance (Ω) +/- 10%:
Primary Windings	Ø0.35	/	/	/	/	33.7Ω
Auxiliary Windings	Ø0.35	/	/	/	/	36.9Ω
VERIFICATION PROCESS						
Frequency: Annual	Test Site: CEC			Number of samples to test: 1		
Test Name	Test Parameters					
Winding resistance	See resistance per winding above.					
Dielectric Strength	Apply voltage Between			Test Voltage		Test Time
	Winding to core			1000V		1 minute

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 - minimum 1.2mm clearance for basic and functional insulation, minimum 1.5mm in pollution degree 2 and 2.4mm creepage distances in pollution degree 3 for basic insulation, minimum 1.4mm in pollution degree 2 and 2.2mm creepage distances in pollution degree 3 for functional insulation.
2. Mechanical Assembly - Components such as switches, fuseholders, connectors, wiring terminals and display lamps are mounted and prevented from shifting or rotating by the use of lockwashers, starwashers, or other mounting format that prevents turning of the component.
3. Corrosion Protection - All ferrous metal parts are protected against corrosion by painting, plating or the equivalent.
4. Accessibility of Live Parts - All uninsulated live parts in primary circuitry are housed within a non-metallic enclosure constructed with no openings other than those specifically described in Sections 4 and 5.
5. Grounding - All exposed dead-metal parts and all dead-metal parts within the enclosure that are exposed are connected to the grounding lead of the power supply cord.
6. Polarized Connection - None.
7. Internal Wiring - Internal wiring is routed away from sharp or moving parts. Internal wiring leads terminating in soldered connections are made mechanically secure prior to soldering. Recognized Component separable (quick disconnect) connectors of the positive detent type, closed loop connectors, or other types specifically described in the text of this report are also acceptable as internal wiring terminals. At points where internal wiring passes through metal walls or partitions, the wiring insulation is protected against abrasion or damage by plastic bushings or grommets. All wiring is minimum 20AWG, with a minimum rating of 600V, 105°C.
8. Schematics - None.
9. Markings - The product is marked on as labeling system as follows:
applicant's name
model number
date of manufacturer
electrical ratings (volts, frequency & current)
refrigerant name and mass
high- and low-side design pressure
Refer to illustration No. 1 and item 30 of section 4.0 for details.
10. Cautionary Markings - The following are required: refer to an Illustration No. 2 for details.
11. Installation, Operating and Safety Instructions - Instructions for installation and use of this product are provided by the manufacturer.
Refer to Illustration No. 3, 3a, 4, 5 for details.

7.0 Illustrations

Illustration 1 - markings

representative model:

PORTABLE AIR CONDITIONER	
Model : OL-KYR35-A5B	
Cooling Capacity:	12000BTU/h
Heating Capacity:	10000BTU/h
Rated Voltage:	AC115V
Rated Frequency:	60Hz
Cooling Rated Input Power:	1310W
Heating Rated Input Power:	1125W
Cooling Rated Input Current:	11.8A
Heating Rated Input Current:	10A
Electrical Protection:	class I
Sound Pressure Level:	≤58dB(A)
Refrigerant Charge:	R410A 17.96oz(510g)
Net Weight:	28kg
Maximum suction/exhaust side working pressure:	174psig(1.2MPa)/ 551psig(3.8MPa)
Maximum permissible pressure on the high/low pressure side:	551psig(3.8MPa)
Heat exchanger maximum allowable pressure:	609psig(4.2MPa)
BCSC	15A
Compressor Input	RLA:9.5A LRA:50.5A
Fan Motor Power	0.214HP
Date Code	



CONFORMS TO UL STD. 60335-1&60335-2-40
CERTIFIED TO CSA STD. C22.2 NO. 60335-1&60335-2-40

Zhejiang Oulun Electric Co., Ltd.
Add: No.17, Tangmai Road, Yuhang Economic Development Zone, Hangzhou, 311100 Zhejiang, China.

Intertek
5006106

7.0 Illustrations

Illustration 2 - caution markings

USE ON SINGLE OUTLET CIRCUIT ONLY.

If the power cord is damaged, do not attempt to repair. It must be replaced with a new power cord supplied by the unit manufacturer in order to avoid a hazard.

UTILISATION SUR CIRCUIT DE SORTIE SIMPLE SEULEMENT.

Si le cordon d'alimentation est endommagé, n'essayez pas de réparer. Il doit être remplacé par un nouveau cordon d'alimentation fourni par le fabricant de l'appareil afin d'éviter un danger.

Note: this marking shall be adjacent to the cord entrance.

7.0 Illustrations

Illustration 3 - manual for OL-KYR35-A5B



Portable Air Conditioner Owner's Manual

Original instructions



OL-BKYR35-A5B

READ AND SAVE THESE INSTRUCTIONS

7.0 Illustrations

Illustration 3a - manual for OL-KYR35-A5B (continued)

THE FOLLOWING SHOULD ALWAYS BE OBSERVED FOR SAFETY

- This appliance is intended to be used by expert or trained users in shops, in light industry and on farms, or for commercial use by lay persons.
- This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.

The refrigerant loop is sealed. Only a qualified technician should attempt to service!

SPECIFICATIONS

MODEL	OL-BKYR35-A5B
Cooling Capacity	12000 BTU/h
Heating Capacity	10000 BTU/h
Power Supply	AC115V/60Hz
Cooling Power Consumption	1310W/11.8A
Heating Power Consumption	1125W/10A
Maximum Refrigerant Charge	R410A/510g
Noise LEVEL	≤58 dB(A)
Maximum Design Pressure	1.2MPa/3.8MPa
Minimum Room Size	12 m ² (Floor area)
Net Weight	28kg
Dimension	401*373*806(mm)
Fuse type and rating	T Type, AC 250V, 3.15A

(rated cooling input condition: dry bulb temperature: 35°C, wet bulb temperature: 24°C;
rated heating input condition: dry bulb temperature: 20°C, wet bulb temperature: 12°C)

7.0 Illustrations

Illustration 4 - manual for OL-KYR29-A011A2, OL-KY29-A011A2, OL-KYR29-A011C2, OL-KY29-A011C2

No	OL-KYR29-A011A2	OL-KY29-A011A2	OL-KYR29-A011C2	OL-KY29-A011C2
PHOTO				
Cooling Capacity	10000BTU/h	10000BTU/h	10000BTU/h	10000BTU/h
Rated Voltage	AC115V	AC115V	AC115V	AC115V
Rated Frequency	60Hz	60Hz	60Hz	60Hz
Cooling Rated Power	1165W	1165W	1165W	1165W
Cooling Rated Current	10.3A	10.3A	10.3A	10.3A
Heating Rated Power	902W	/	902W	/
Heating Rated Current	8.0	/	8.0	/
Sound Pressure Level	≤56dB(A)	≤56dB(A)	≤56dB(A)	≤56dB(A)
Refrigerant Charge	R410A/(13.4oz)380g	R410A/(13.4oz)380g	R410A/(13.4oz)380g	R410A/(13.4oz)380g
Net Weight	23kg	23kg	23kg	23kg
Suction Side Pressure	1.2MPa	1.2MPa	1.2MPa	1.2MPa
Discharge Side Pressure	3.8MPa	3.8MPa	3.8MPa	3.8MPa

7.0 Illustrations

Illustration 5 - manual for OL-KYR35-A012A, OL-KY35-A012A, OL-KYR41-A012A, OL-KY41-A012A

No	OL-KYR35-A012A	OL-KY35-A012A	OL-KYR41-A012A	OL-KY41-A012A
Cooling Capacity	12000 BTU/h	12000 BTU/h	14000 BTU/h	14000 BTU/h
Rated Voltage	AC115V	AC115V	AC115V	AC115V
Rated Frequency	60Hz	60Hz	60Hz	60Hz
Cooling Rated Power	1330W	1330W	1390W	1390W
Cooling Rated Current	11.8A	11.8A	12A	12A
Heating Rated Power	1030W	/	1080W	/
Heating Rated Current	9.2	/	9.5	/
Sound Pressure Level	≤ 58dB(A)	≤ 58dB(A)	≤ 58dB(A)	≤ 58dB(A)
Refrigerant Charge	R410A/(16.23oz)460g	R410A/(16.23oz)460g	R410A/(13.4oz)460g	R410A/(13.4oz)460g
Net Weight	31kg	31kg	31kg	31kg
Suction Side Pressure	1.2MPa	1.2MPa	1.2MPa	1.2MPa
Discharge Side Pressure	3.8MPa	3.8MPa	3.8MPa	3.8MPa

8.0 Test Summary					
Evaluation Period	2019-06-06 to 2019-07-23		Project No.	190600099HZH	
Sample Rec. Date	4-Jun-2019	Condition	Prototype	Sample ID.	1190604-15-001~002
Test Location	16 No. 1 Ave., Xiasha Economic Development District, Hangzhou 310018, 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		Safety Of Household And Similar Electrical Appliances, Part 1: General Requirements [UL 60335-1:2016 Ed.6] + Safety Of Household And Similar Appliances - Part 1: General Requirements [CSA C22.2#60335-1:2016 Ed.2] + Household And Similar Electrical Appliances – Safety – Part 2-40: Particular Requirements For Electrical Heat Pumps, Air-Conditioners And Dehumidifiers [UL 60335-2-40:2017 Ed.2] + Household And Similar Electrical Appliances – Safety – Part 2-40: Particular Requirements For Electrical Heat Pumps, Air-Conditioners And Dehumidifiers [CSA C22.2#60335-2-40:2017 Ed.2]			
Protection agaist 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			
Overload protection of transformers and associated circuits		17			
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			
Provision for earthing		27			
Screws and connections		28			
Clearances, Creepage distances and solid insulation		29			
Resistance to heat and fire		30			
Pressure test		Annex EE			
Test Description		UL 1004-1:2012 Ed.2+R:24Aug2017 & UL 1004-3:2015		CCSA C22.2#77:2014 Ed.8+E1/Clause	
Locked Rotor Temperature Test		8		6.4	
Locked Rotor Endurance Test		9		6.6	
Dielectric Voltage-Withstand Test		37		6.5	

8.0 Test Summary

Evaluation Period	2020-03-12 to 2019-04-16			Project No.	200300350HZH
Sample Rec. Date	12-Mar-2020	Condition	Prototype	Sample ID.	1200312-14-001~006
Test Location	16 No. 1 Ave., Xiasha Economic Development District, Hangzhou 310018, China				
Test Procedure	Testing Lab				
The report based on report of 180500308HZH-001 was modified with to include the following changes: Add new models OL-KYR29-A011A2, OL-KY29-A011A2, OL-KYR29-A011C2, OL-KY29-A011C2, OL-KYR35-A012A, OL-KY35-A012A, OL-KYR41-A012A, OL-KY41-A012A					
The following tests were performed:					
Test Description			Safety Of Household And Similar Electrical Appliances, Part 1: General Requirements [UL 60335-1:2016 Ed.6] + Safety Of Household And Similar Appliances - Part 1: General Requirements [CSA C22.2#60335-1:2016 Ed.2] + Household And Similar Electrical Appliances – Safety – Part 2-40: Particular Requirements For Electrical Heat Pumps, Air-Conditioners And Dehumidifiers [UL 60335-2-40:2017 Ed.2] + Household And Similar Electrical Appliances – Safety – Part 2-40: Particular Requirements For Electrical Heat Pumps, Air-Conditioners And Dehumidifiers [CSA C22.2#60335-2-40:2017 Ed.2]		
			8		
			9		
			10		
			11		
			13		
			15		
			16		
			17		
			19		
			20		
			21		
			22		
			24		
			27		
			29		
Test Description			UL 1004-1:2012 Ed.2+R:24Aug2017 & UL 1004-3:2015 Ed.2/Clause		CCSA C22.2#77:2014 Ed.8+E1/Clause
Locked Rotor Temperature Test			8		6.4
Locked Rotor Endurance Test			9		6.6
Dielectric Voltage-Withstand Test			37		6.5

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:	Zoddia Wu	Reviewed by:	Allen Ding
Title:	Qualified Engineer	Title:	Qualified Engineer
Signature:	Signature on file	Signature:	Signature on file

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	Zhejiang Oulun Electric Co., Ltd.
Address	No.17 TangMei road, YuHang economic development zone, Hangzhou, Zhejiang 311100
Country	China
Product	Portable Air Conditioner

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

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

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

10.0 General Information

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

COMPONENTS

Components used shall be those itemized in this Intertek report covering the product, including any amendments and/or revisions.

LISTING MARK

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

The mark must include the following four items:

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

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

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

Can be used together when both standards are used.

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

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

MANUFACTURING AND PRODUCTION TESTS

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

FOLLOW-UP SERVICE

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

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

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

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

10.1 Evaluation of Unlisted Components

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

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

Ship the samples to:
Intertek Testing Services Shanghai Limited
ETL Component Evaluation Center
Building No. 86, 1198 Qinzhou Road (North)
Shanghai 200233, China
Attn: Ms. Angela Han

Sample Disposition: Due to the destructive nature of the testing, all samples will be discarded at the conclusion of testing unless, the manufacturer specifically requests the return of the samples. The request for return must accompany the initial component shipment.

11.0 Manufacturing and Production Tests

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

Required Tests

Dielectric Voltage Withstand Test
Grounding Continuity Test
Pressure Tests For Leakage and Strength

11.1 Dielectric Voltage Withstand Test

Method

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

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

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

Test Equipment

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

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

If the rated output of the test equipment is 500VA or more, the applied test potential may be indicated by either:

- 1 - a voltmeter in the primary circuit;
- 2 - a selector switch marked to indicate the test potential; or
- 3 - a marking in a readily visible location to indicate the test potential for test equipment having a single test potential output.

In cases 2 and 3, the test equipment shall include a lamp or other visual means to indicate that the test potential is present at the test equipment output. All test equipment shall be maintained in current calibration.

Products Requiring Dielectric Voltage Withstand Test:

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

11.2 Grounding Continuity Test

Method

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

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

Products Requiring Grounding Continuity Test:

All products covered by this Report.

11.3 Pressure Tests for Leakage and Strength

Method

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

If the final assembly of a self-contained dehumidifier is completed with flare-type fittings or telescoped tubing joints that are sealed with solder, brazing, or the equivalent to the pressure test method.

At least once each year, the manufacturer shall conduct a strength test on dehumidifier containing or carbon dioxide-pressured parts of the shell type, including compressor shells that have an inside diameter greater than 3inches(76mm). The test is to be conducted on at least one sample of each size and type. The sample shall be proved tight when subject to strength test.

Products Requiring Pressure Tests for Leakage and Strength:

All products covered by this Report.

12.0 Revision Summary				
The following changes are in compliance with the declaration of Section 8.1:				
Date/ Proj # Site ID	Project Handler/ Reviewer	Section	Item	Description of Change
17-Apr-2020	Zoddia Wu	2	-	Add new models OL-KYR29-A011A2, OL-KY29-A011A2, OL-KYR29-A011C2, OL-KY29-A011C2, OL-KYR35-A012A, OL-KY35-A012A, OL-KYR41-A012A, OL-KY41-A012A, updated model similarity and ratings.
		3	-	Add photos 14-36 for new models.
200300350H ZH	Allen Ding	4	2	Add an alternative power cord.
		4	3	Add two alternative plugs, add rating 13A for all plugs,
		4	4	Add models OL-KYR35-A5B, OL-KYR35-A012A, OL-KY35-A012A, OL-KYR41-A012A and OL-KY41-A012A in Technical data and securement means.
		4	11	Add 5 μ F, 8 μ F for ratings of all capacitors for fan motor.
		4	18	Add 50 μ F for ratings of all capacitors for compressor.
		4	20	Add four alternative varistors.
		4	21	Add model OL-KYR35-A5B in Technical data and securement means.
		4	22	Add three alternative relays for other components except compressor.
		4	23	Add four alternative relays for compressor.
		4	24	Add four alternative X2 capacitors, add rating 0.1 μ F for all capacitors.
		4	25	Add an alternative transformer.
		4	26	Add an alternative Y capacitor, add rating 4700pF for all capacitors.
		4	27,29	Add model OL-KYR35-A5B in Technical data and securement means.
		4	31-36	Add new components for new models.
		5	-	Add unlisted components for new models.
		7	Illustration 4-5	Add manual for new models.
		8	-	Test Summary.
17-Jul-2020	Zoddia Wu	4	5	Add an alternative 4-way valve with type SHF-4 made by Zhongshan City Gangli Refrigeration Fittings Co., Ltd.
	<i>Zoddia Wu</i>	4	35	Revised type name from YDK-50-4 to YDK-50-6 for fan motor
200700330H ZH	Allen Ding	5	-	Revised type name from YDK-50-4 to YDK-50-6 for fan motor.
	<i>Allen Ding</i>			