

1.0 Reference and Address			
Report Number	230400382SHA-001	Original Issued: 23-May-2023	Revised: 16-Apr-2024
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 60335-2-40:2019 Ed.3] Household And Similar Electrical Appliances – Safety – Part 2-40: Particular Requirements For Electrical Heat Pumps, Air-Conditioners And Dehumidifiers [CSA C22.2#60335-2-40:2019 Ed.3]		
Applicant	NINGBO FUDA INTELLIGENT TECHNOLOGY CO., LTD	Manufacturer	NINGBO FUDA INTELLIGENT TECHNOLOGY CO., LTD
Address	NO.1 ZHENHUA ROAD, ZHENNAN VILLAGE, SIMEN TOWN, YUYAO, ZHEJIANG PROVINCE	Address	NO.1 ZHENHUA ROAD, ZHENNAN VILLAGE, SIMEN TOWN, YUYAO, ZHEJIANG PROVINCE
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2.0 Product Description	
Product	Portable Air Conditioner
Brand name	pasapair, ZAFRO, COWSAR, R.W.FLAME, Joy Pebble, COSTWAY, Acekool, Humsure, SERENELIFE.
Description	The products covered by this report are portable air conditioner intended to be household and indoor use. They're cord-connected unit with recognized molded-on grounding plug.
Models	FDP maybe followed by H; followed by 35 or 41; followed by -3030, -3031, -3032, -3033, -3034, -3035, -3036 or -3037; followed by Z; maybe followed by P or W; followed by V1R3. FDP35-3033ZPWR3, FDPH41-3033ZPWR3, FDP41-3033ZPWR3. FDP35-3035ZPR3, FDP35-3032ZPR3, FDP41-3035ZPR3, FDP41-3032ZPR3, FDPH41-3035ZPR3, FDPH41-3032ZPR3. FP10581US-WH, FP10582US-WH, FP10583US-WH, FP10584US-WH. FDP35-3034ZPR3, FDP35-3034ZR3, FDP35-3034R3, FDP35-3030ZR3, FDP35-3032ZPR3, FDP35-3033ZPR3, FDP35-3031ZPR3. FDP41-3034ZPR3, FDP41-3033ZPR3, FDP41-3034ZR3, FDP41-3034R3, FDP41-3032ZPR3, FDP41-3030ZR3, FDP41-3031ZPR3. SLACP12, SLACHT12W, SLACP14, SLACHT14W.
	For convenience, abbreviate FDP maybe followed by H; followed by 35; followed by -3030, -3031, -3032, -3033, -3034, -3035, -3036 or -3037; followed by Z; maybe followed by P or W; followed by V1R3 to 35 series; abbreviate FDP maybe followed by H; followed by 41; followed by -3030, -3031, -3032, -3033, -3034, -3035, -3036 or -3037; followed by Z; maybe followed by P or W; followed by V1R3 to 41 series; abbreviate FDP maybe followed by H; followed by 35 or 41; followed by -3034; followed by Z; maybe followed by P or W; followed by V1R3 to 3034 series. FDPH35-3031ZV1R3 is identical with FDPH35-3032ZV1R3, FDPH35-3033ZV1R3, FDPH35-3035ZV1R3, FDPH35-3036ZV1R3, FDPH35-3037ZV1R3 except for the appearance. FDPH35-3031ZV1R3 is identical with FDPH35-3030ZV1R3 except for the appearance and display board. FDPH35-3031ZV1R3 is identical with FDPH35-3034ZV1R3 except for the appearance and PCB board. FDPH35-3031ZV1R3 is identical with FDP35-3031ZV1R3 except for the 4-way valve. FDPH35-3031ZV1R3 has both cooling and heating mode. FDP35-3031ZV1R3 has cooling mode only. FDPH35-3031ZV1R3 is identical with FDPH35-3031ZPV1R3 except that FDPH35-3031ZPV1R3 is equipped with a front display panel. FDPH35-3031ZV1R3 is identical with FDPH35-3031ZWV1R3 except that FDPH35-3031ZWV1R3 is equipped with a WIFI module. FDPH35-3031ZV1R3 is identical with FDPH41-3031ZV1R3 except for the compressor and refrigerant charge.

2.0 Product Description	
Model Similarity	FDP35-3033ZPWR3 is exactly the same as FDP35-3033ZPWV1R3 except for the model name. FDPH41-3033ZPWR3 is exactly the same as FDPH41-3033ZPWV1R3 except for the model name. FDP41-3033ZPWR3 is exactly the same as FDP41-3033ZPWV1R3 except for the model name. FDP35-3035ZPR3 is exactly the same as FDP35-3035ZPV1R3 except for the model name. FDP35-3032ZPR3 is exactly the same as FDP35-3032ZPV1R3 except for the model name. FDP41-3035ZPR3 is exactly the same as FDP41-3035ZPV1R3 except for the model name. FDP41-3032ZPR3 is exactly the same as FDP41-3032ZPV1R3 except for the model name. FDPH41-3035ZPR3 is exactly the same as FDPH41-3035ZPV1R3 except for the model name. FDPH41-3032ZPR3 is exactly the same as FDPH41-3032ZPV1R3 except for the model name. FP10581US-WH is exactly the same as FDPH35-3037ZPWV1R3 except for the model name. FP10582US-WH is exactly the same as FDPH41-3037ZPWV1R3 except for the model name. FP10583US-WH is exactly the same as FDPH35-3036ZPWV1R3 except for the model name. FP10584US-WH is exactly the same as FDPH41-3036ZPWV1R3 except for the model name. FDP35-3034ZPR3 is exactly the same as FDP35-3034ZPV1R3 except for the model name. FDP41-3034ZPR3 is exactly the same as FDP41-3034ZPV1R3 except for the model name. FDP35-3034ZR3 is exactly the same as FDP35-3034ZV1R3 except for the model name. FDP35-3034R3 is exactly the same as FDP35-3034V1R3 except for the model name. FDP35-3030ZR3 is exactly the same as FDP35-3030ZV1R3 except for the model name. FDP35-3032ZPR3 is exactly the same as FDP35-3032ZPV1R3 except for the model name. FDP35-3033ZPR3 is exactly the same as FDP35-3033ZPV1R3 except for the model name. FDP35-3031ZPR3 is exactly the same as FDP35-3031ZPV1R3 except for the model name. FDP41-3033ZPR3 is exactly the same as FDP41-3033ZPV1R3 except for the model name. FDP41-3034ZR3 is exactly the same as FDP41-3034ZV1R3 except for the model name. FDP41-3034R3 is exactly the same as FDP41-3034V1R3 except for the model name. FDP41-3032ZPR3 is exactly the same as FDP41-3032ZPV1R3 except for the model name. FDP41-3030ZR3 is exactly the same as FDP41-3030ZV1R3 except for the model name. FDP41-3031ZPR3 is exactly the same as FDP41-3031ZPV1R3 except for the model name. SLACP12 is exactly the same as FDP35-3030ZV1R3 except for the model name. SLACHT12W is exactly the same as FDPH35-3030ZWV1R3 except for the model name. SLACP14 is exactly the same as FDP41-3030ZV1R3 except for the model name. SLACHT14W is exactly the same as FDPH41-3030ZWV1R3 except for the model name.
	Brand name "pasapair" for models FDP35-3033ZPWR3, FDPH41-3033ZPWR3, FDP41-3033ZPWR3 only. Brand name "ZAFRO, COWSAR, R.W.FLAME, Joy Pebble" are for FDP35-3035ZPR3, FDP35-3032ZPR3, FDP41-3035ZPR3, FDP41-3032ZPR3, FDPH41-3035ZPR3, FDPH41-3032ZPR3 only. Brand name "COSTWAY" for models FP10581US-WH, FP10582US-WH, FP10583US-WH, FP10584US-WH only. Brand name "Acekool" for models FDP35-3034ZPR3, FDP41-3034ZPR3, FDP35-3034ZR3, FDP35-3034R3, FDP35-3030ZR3, FDP35-3032ZPR3, FDP35-3033ZPR3, FDP35-3031ZPR3, FDP41-3033ZPR3, FDP41-3034ZR3, FDP41-3034R3, FDP41-3032ZPR3, FDP41-3030ZR3, FDP41-3031ZPR3 only. Brand name "Humsure" are for FDP35-3031ZPV1R3, FDP41-3031ZPV1R3. Brand name "SERENELIFE" are for SLACP12, SLACHT12W, SLACP14, SLACHT14W.

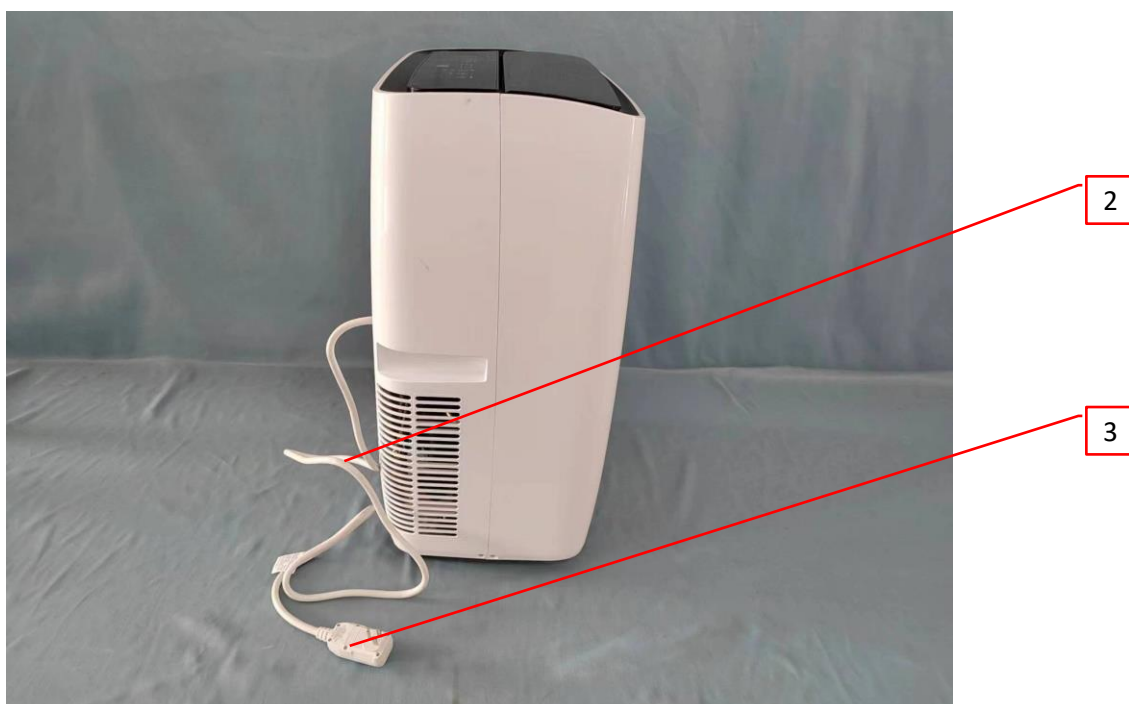
2.0 Product Description					
Ratings	115V~, 60Hz, R32				
	Model	Total Input Current	RLA of Compress or	LRA of Compress or	FLA of fan motor (UP/DOWN)
	FDP maybe followed by H; followed by 35; followed by -3030, -3031, -3032, -3033 or -3035; followed by Z; maybe followed by P or W; followed by V1R3.	11A	8.8A	49A	1.0A/1.0A
	FDP maybe followed by H; followed by 41; followed by -3030, -3031, -3032, -3033 or -3035; followed by Z; maybe followed by P or W; followed by V1R3.	12A	10.6A	57A	1.0A/1.0A
Other Ratings	Model	Refrigerant Mass	High/Low Design Pressure		
	FDP maybe followed by H; followed by 35; followed by -3030, -3031, -3032, -3033 or -3035; followed by Z; maybe followed by P or W; followed by V1R3.	275g (9.7oz)	3.8MPa/1.2MPa (551/174psig)		
	FDP maybe followed by H; followed by 41; followed by -3030, -3031, -3032, -3033 or -3035; followed by Z; maybe followed by P or W; followed by V1R3.	290g (10.23oz)	3.8MPa/1.2MPa (551/174psig)		

3.0 Product Photographs

Photo 1 - Front view (FDPH41-3031ZPWV1R3)



Photo 2 - Side view (FDPH41-3031ZPWV1R3)



3.0 Product Photographs

Photo 3 - Side view (FDPH41-3031ZPWV1R3)



Photo 4 - Rear view (FDPH41-3031ZPWV1R3)

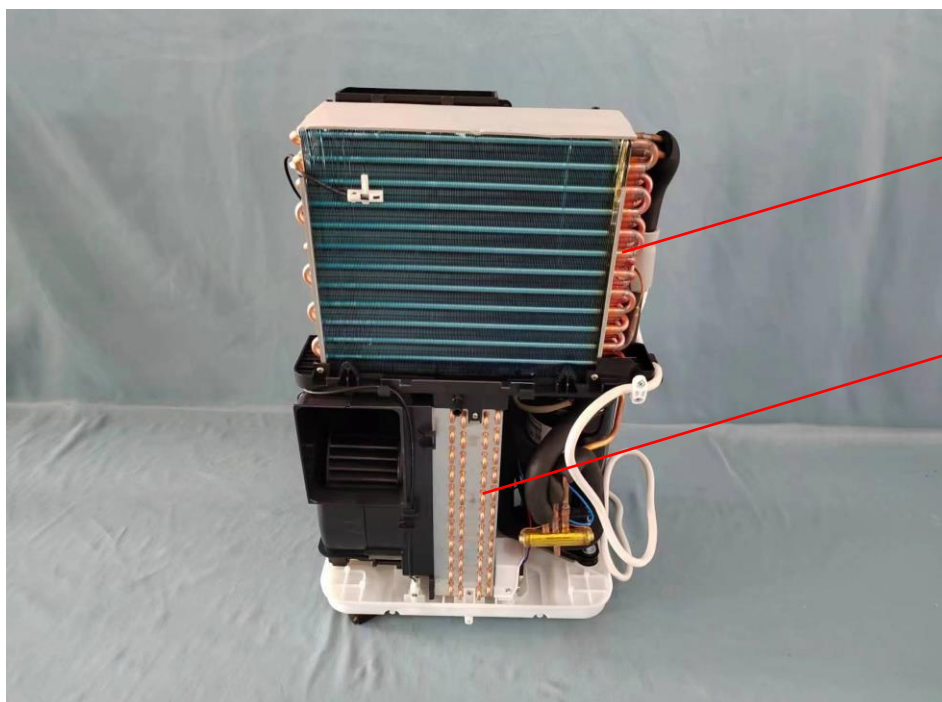


3.0 Product Photographs

Photo 5 - Top view (FDPH41-3031ZPWV1R3)



Photo 6 - Internal view (FDPH41-3031ZPWV1R3)



3.0 Product Photographs

Photo 7 - Internal view (FDPH41-3031ZPWV1R3)

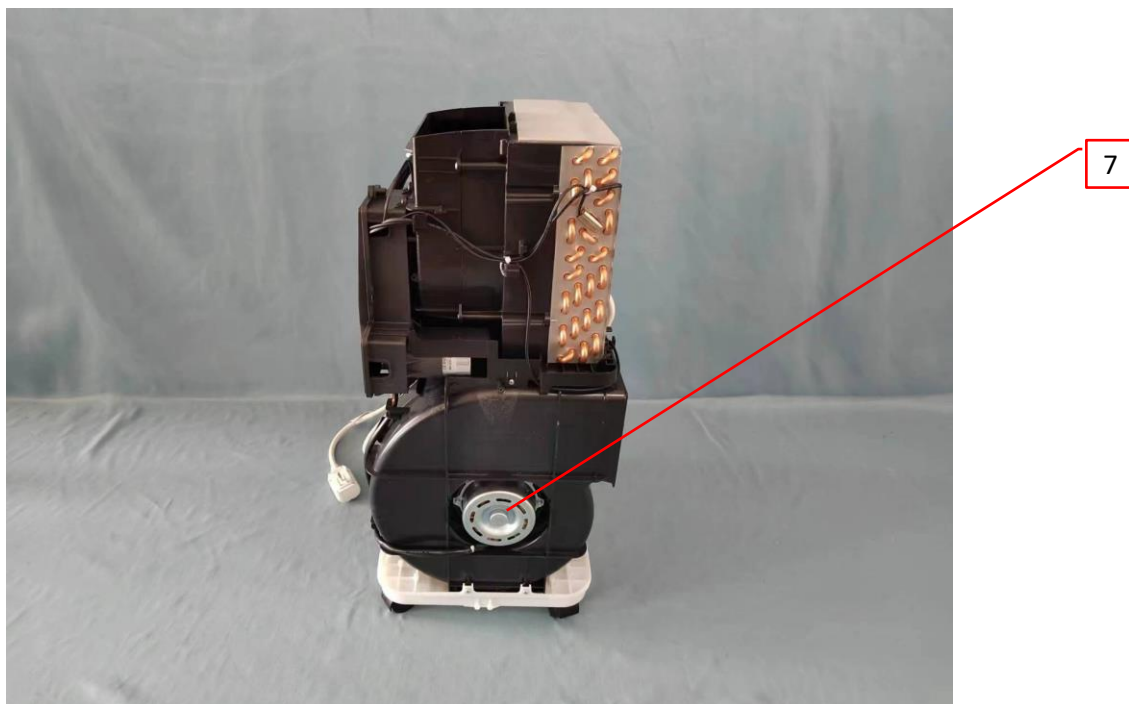
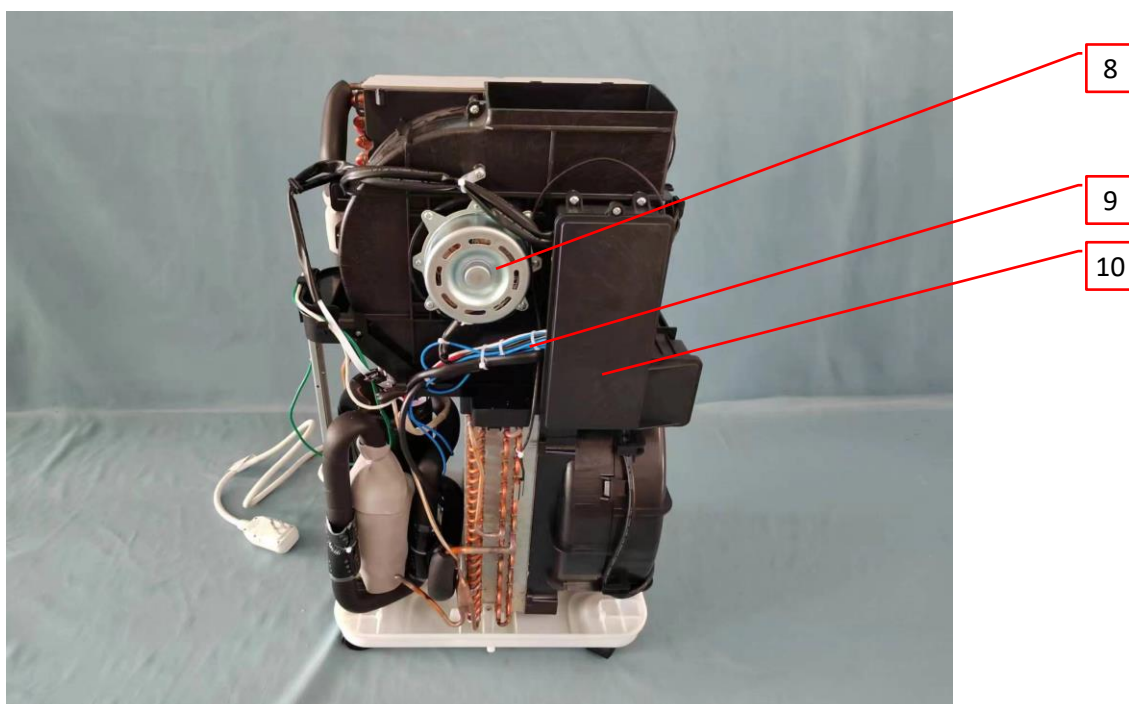


Photo 8 - Internal view (FDPH41-3031ZPWV1R3)



3.0 Product Photographs

Photo 9 - Internal view (FDPH41-3031ZPWW1R3)

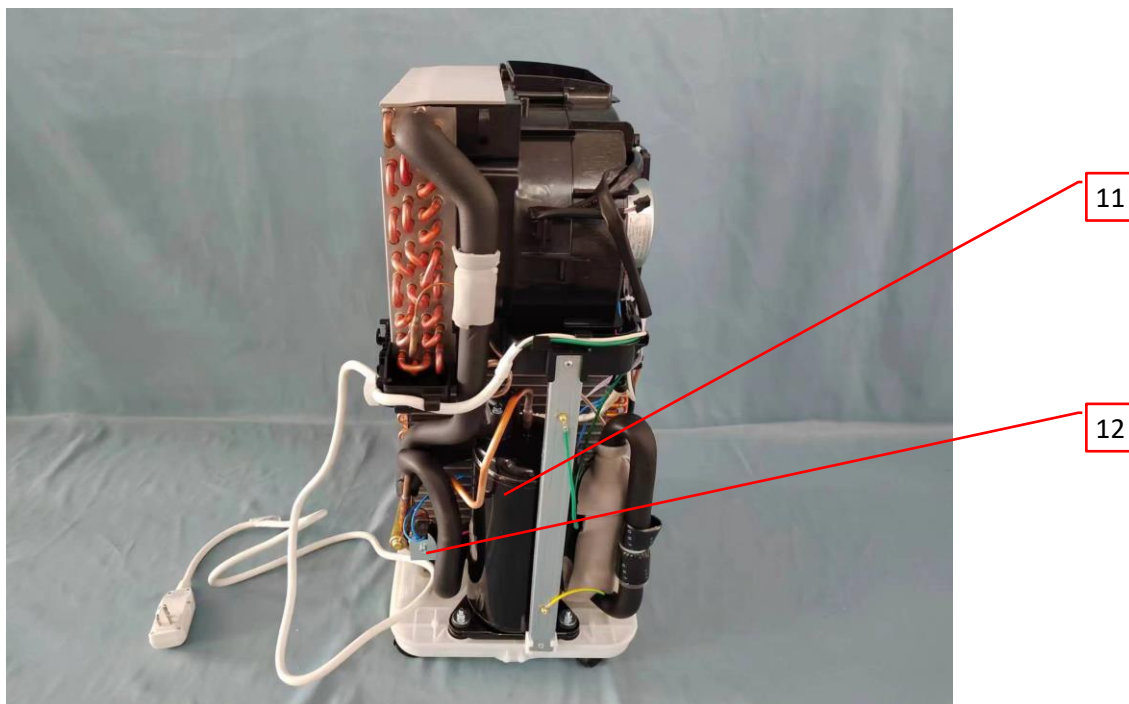
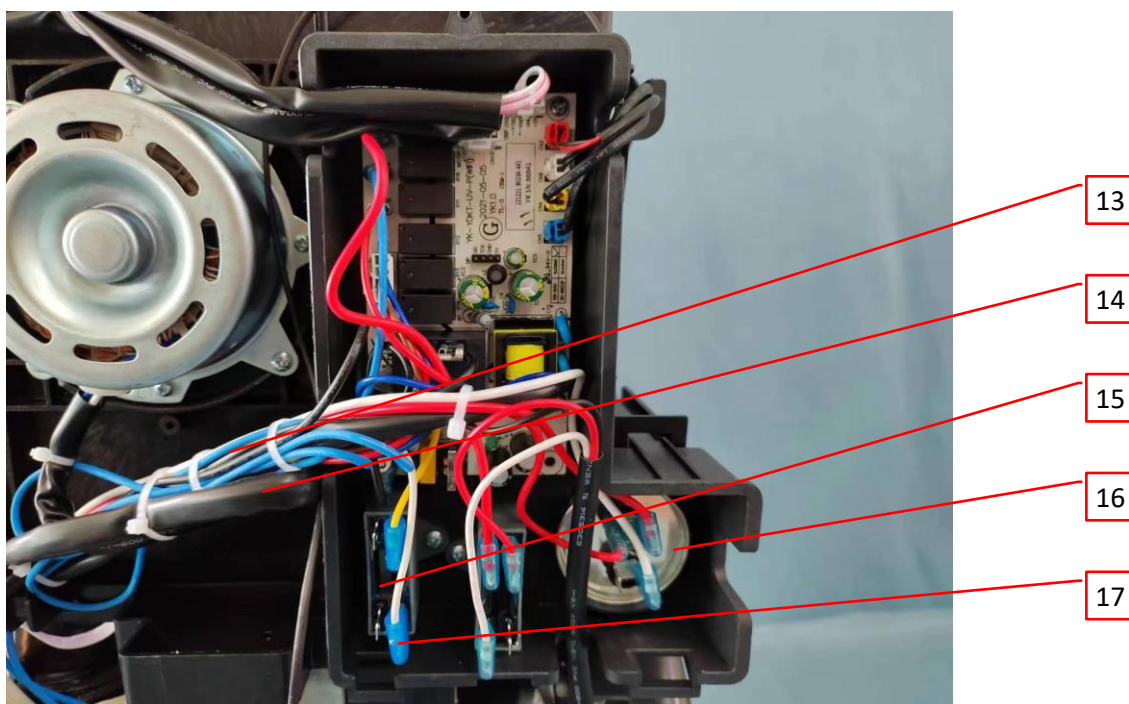


Photo 10 - Internal view of PWB box (FDPH41-3031ZPWW1R3)



3.0 Product Photographs

Photo 11 - Internal view (FDPH41-3031ZPWV1R3)

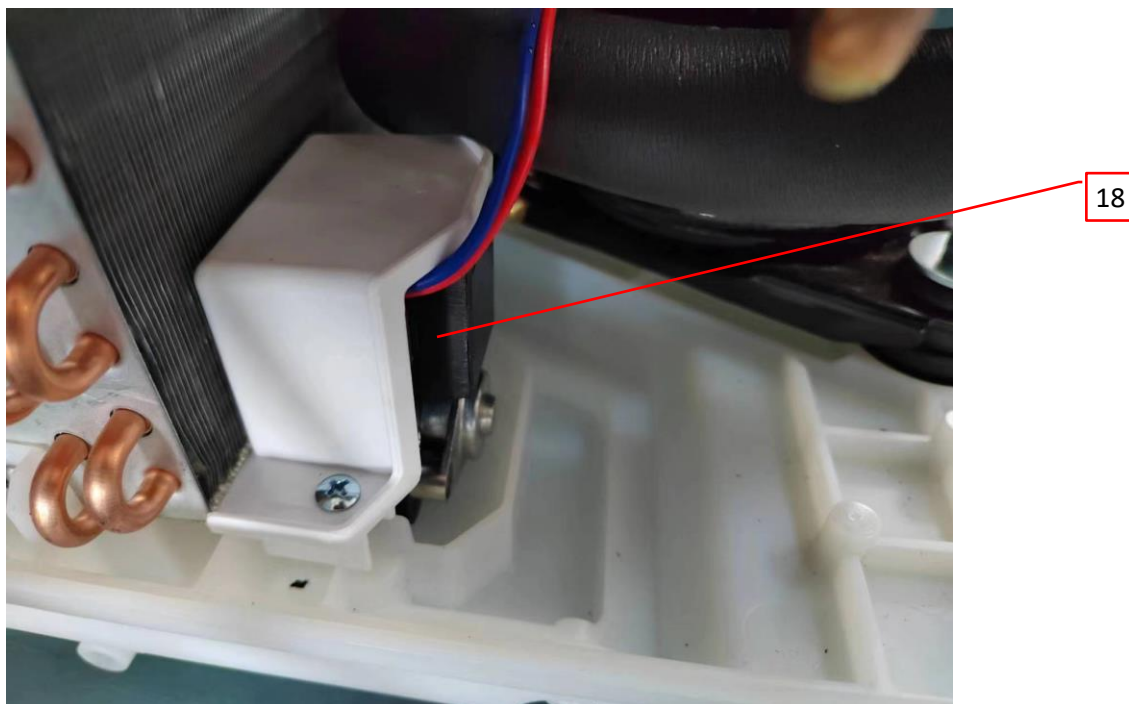
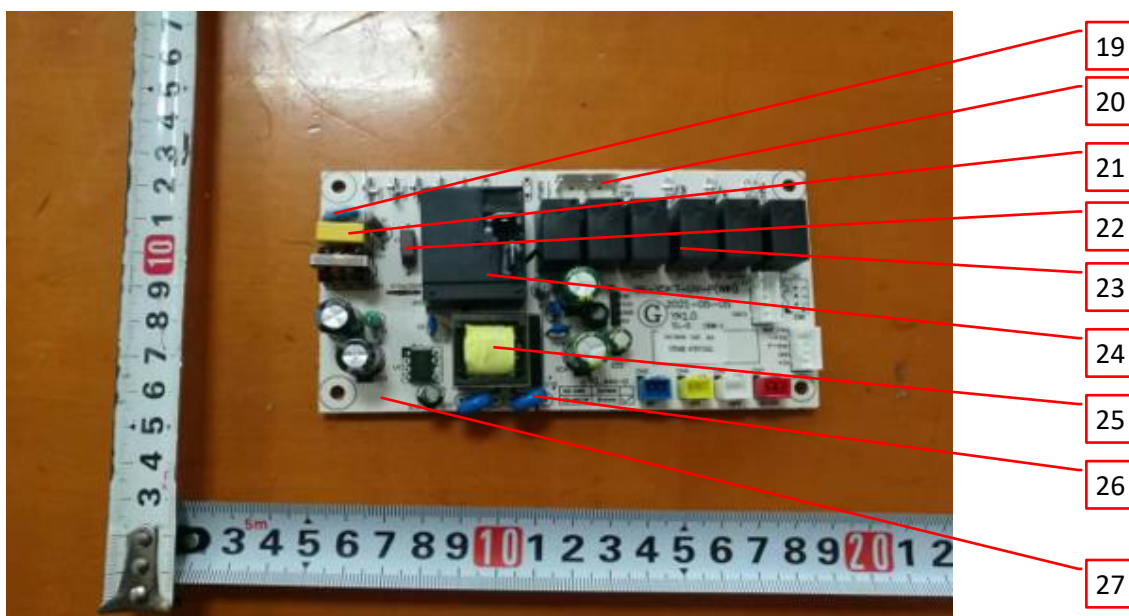


Photo 12 - Front view of PWB (FDPH41-3031ZPWV1R3)



3.0 Product Photographs

Photo 13 - Rear view of PWB (FDPH41-3031ZPWV1R3)

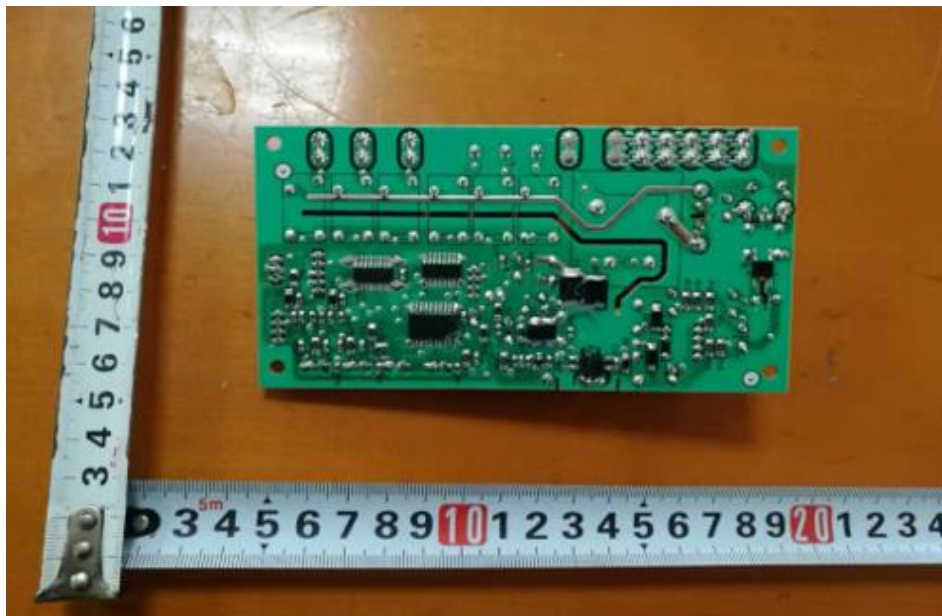


Photo 14 - Front view (FDPH41-3030ZPWV1R3)



3.0 Product Photographs

Photo 15 - Front view (FDPH41-3032ZPWV1R3)



Photo 16 - Front view (FDPH41-3033ZPWV1R3)



3.0 Product Photographs

Photo 17 - Front view (FDPH41-3035ZPWV1R3)



Photo 18 - Front view (FDPH41-3034ZPWV1R3)



3.0 Product Photographs

Photo 19 - Front view (FDPH41-3036ZPWV1R3)



Photo 20 - Front view (FDPH41-3037ZPWV1R3)



3.0 Product Photographs

Photo 21 - Front view of PWB (FDPH41-3034ZPWV1R3)

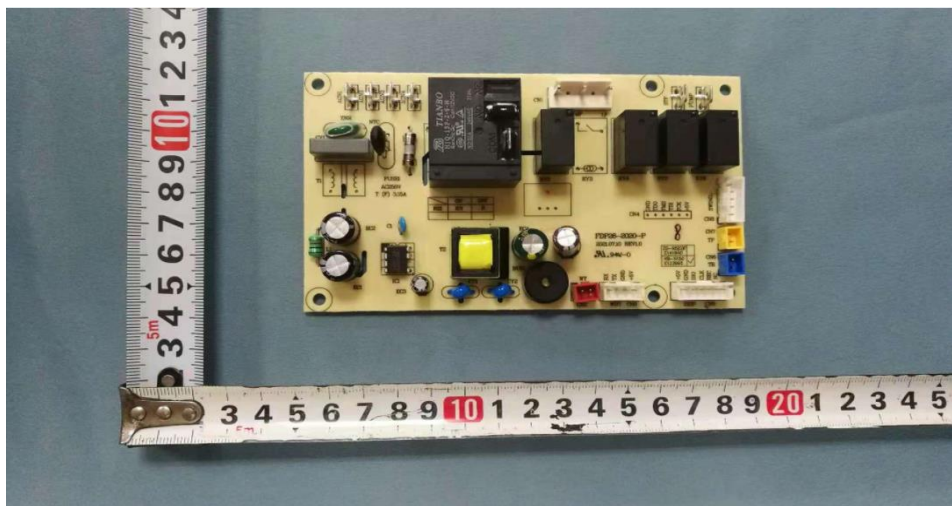
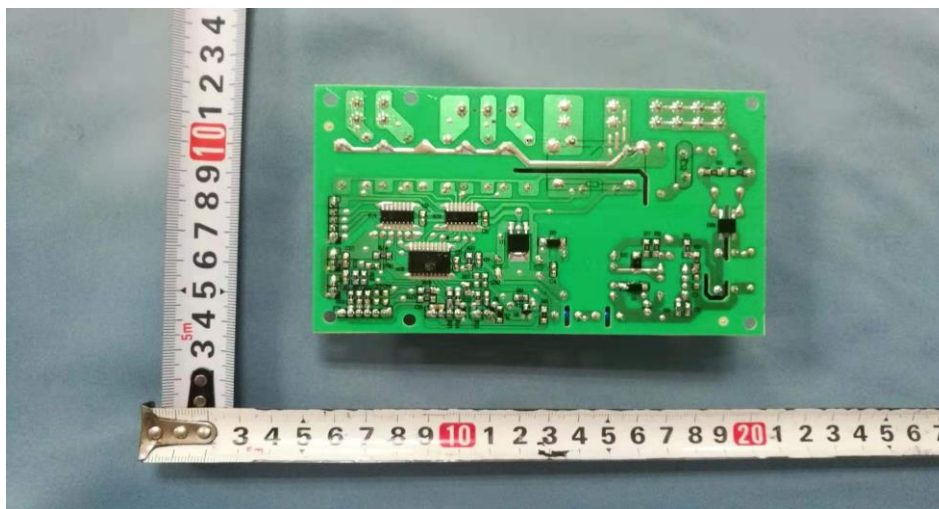


Photo 22 - Rear view of PWB (FDPH41-3034ZPWV1R3)



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	Enclosure	NINGBO LG YONGXING CHEMICAL CO LTD (E203955)	FR-500	ABS, V-0, RTI(60, 60, 60)°C. Minimum 1.5mm thick. Fan blade and internal frame use the same material.	cURus
				FR-500H	ABS, V-0, RTI(60, 60, 60)°C. Minimum 1.5mm thick. Fan blade and internal frame use the same material.	cURus
				HT-550	ABS, HB, RTI(60, 60, 60)°C. Minimum 1.5mm thick. Fan blade and internal frame use the same material.	cURus
				HI-121H	ABS, HB, RTI(90, 80, 90)°C. Minimum 1.5mm thick. Fan blade and internal frame use the same material.	cURus
2	2	Power Cord	Various	Various	300V, 3X14-16AWG, 105°C, VW-1	cURus
			SUZHOU ELE WIRE & CABLE CO LTD (E316671)	JLL301	300V, 3X14-16AWG, 105°C, VW-1	cURus
			ZHONGSHAN KAPER ELECTRICAL CO LTD (E488435)	KPL301	300V, 3X14-16AWG, 105°C, VW-1	cURus
2	3	Plug	Various	Various	120VAC, 13A or 15A, 5-15P	cURus cETLus
			SUZHOU ELE MFG CO LTD (E250451)	L22515	120VAC, 13A or 15A, 5-15P	cURus
				L15515	120VAC, 13A or 15A, 5-15P	cURus
			Zhongshan Kaper Electrical Co., Ltd. (2308A1555SHA-001)	KP-LC13	120VAC, 13A, 5-15P	cETLus
				KP-LC15	120VAC, 15A, 5-15P	cETLus
2	4	Label (not shown)	Various	Various	Min. rating 80°C, suitable for ABS, pasted on back enclosure.	cURus
6	5	Evaporator coil	Various	Various	Seamless copper tube mechanically bonded to configured aluminum fins. Thickness: 0.30mm, OD 7mm.	NR
6	6	Condenser coil	Various	Various	Seamless copper tube mechanically bonded to configured aluminum fins. Thickness: 0.30mm, OD 5mm.	NR

4.0 Critical Components						
Photo #	Item no. ¹	Name	Manufacturer/ trademark ²	Type / model ²	Technical data and securement means	Mark(s) of conformity ³
7	7	Down Fan motor	Ningbo Fuda Intelligent Technology Co., Ltd.	YY-110-6D	110-120VAC, 60Hz, 0.9A, 110W, Class A.	See 5.0
			Ningbo Fuda Intelligent Technology Co., Ltd.	YDK-110-6D	110-120VAC, 60Hz, 0.9A, 110W, Class A.	See 5.0
8	8	Up Fan motor	Ningbo Fuda Intelligent Technology Co., Ltd.	YY-60-6D	110-120VAC, 60Hz, 0.65A, 60W, Class A.	See 5.0
			Ningbo Fuda Intelligent Technology Co., Ltd.	YDK-60-6D	110-120VAC, 60Hz, 0.58A, 60W, Class A.	See 5.0
8	9	Cable tie	Various	Various	PA66, V-2, T60.	cURus
8	10	PWB box	LG CHEM LTD (E67171)	AF366(&)	ABS, 5VA, RTI(85, 75, 75), HWI 3, Min. thickness: 2.0mm.	cURus
			CHI MEI CORPORATION (E56070)	PA-765A	ABS, 5VA, RTI(85, 80, 85), HWI 3, Min. thickness: 2.5mm.	cURus
9	11	Compressor	GUANGDONG MEIZHI COMPRESSOR LTD (SA12105)	KSM95E12UDZ L	115V, 60Hz, R32 For 35 series.	cURus
				KSM113E1UDZ	115V, 60Hz, R32 For 41 series.	cURus
9	12	4-way valve	ZHEJIANG DUNAN ARTIFICIAL ENVIRONMENT CO LTD (E253737)	DSF-4	115-120V, 50/60Hz. For models with heating model.	cURus
			Zhongshan City Gangli Refrigeration Fittings Co., Ltd. (SA32856)	SHF-4	110-120V, 50/60Hz. For models with heating model.	cURus
10	13	Internal wire	Various	1015	Min. 600V, min. 105°C, 14-22AWG for compressor and 14-24AWG for other primary circuits.	cURus
			Various	1007	Min. 300V, min. 85°C, 14-22AWG for compressor and 14-24AWG for other primary circuits.	cURus
10	14	Sleeving for internal wire	Various	Various	UL Category Code YDPU2, PVC tubing, 300V or 600V, VW-1, 105°C. Wrapped internal wiring and fixed by cable ties.	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	15	Fan motor capacitor	FOSHAN SHUNDE BEIJIAO HUA DA ELECTRIC INDUSTRIAL CO LTD (E221217)	CBB6-1	250VAC, 50/60Hz, 12μF	cURus
				CBB61		cURus
			SHENG YE ELECTRIC CO., LTD (E185116)	CBB61		cURus
			SHENG YE ELECTRIC CO., LTD (E237947)	MPDSY		cURus
				C61-P2		cURus
			NINGGUO HUILI ELECTRIC CO., LTD (E313438)	CBB series		cURus
			GUANGDONG FENGMING ELECTRONIC TECH CO LTD (E215893)	CBB61 Series		cURus
			GUANGDONG FENGMING ELECTRONIC TECH CO LTD (E307429)	CBB61		cURus
10	16	Compressor capacitor	FOSHAN SHUNDE BEIJIAO HUA DA ELECTRIC INDUSTRIAL CO LTD (E221217)	CBB6-5	250VAC, 50/60Hz, 70μF	cURus
				CBB65		cURus
			NINGGUO HUILI ELECTRIC CO., LTD (E313438)	CBB series		cURus
			GUANGDONG FENGMING ELECTRONIC TECH CO LTD (E307429)	CBB65		cURus
			SHENG YE ELECTRIC CO., LTD (E237947)	C65R		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
			NINGGUO HUNING ELECTRIC APPARATUS CO LTD (E312167)	CBB65A		cURus
10	17	Quick connector	Various	Various	Wrapped by R/C YDTU2 PVC insulation: 600V, VW-1, 105 °C.	cURus
11	18	Water splash motor	YUYAO LIZHOU MACHINERY & ELECTRIC APPLIANCES MANUFACTURE CO LTD (SH12080712-001)	YJF-4816	120V, 60Hz, 17W, Class B.	cETLus
12	19	Varistor	Various	Various	R/C VZCA2, min. 270VAC.	cURus
12	20	Wire connector	Various	Various	PA66, V-2, T85.	cURus
12	21	X2 capacitor	Various	Various	R/C FOWX2, rated min. 250V or 275V, 0.1µF.	cURus
12	22	Fuse	Various	Various	250VAC, 6.3A.	cURus
12	23	Relay	SANYOU CORPORATION LIMITED (E190598)	SJ-SH-112DMH2	250V, 10A. VDE: 40002146	cURus
				SJ-SH-112DM2	250V, 5A. VDE: 40002146	cURus
			NINGBO TIANBO GANGLIAN ELECTRONICS CO LTD (E173485)	TRG1D-12VDC-S-H	120V, 10A or 240V, 5A. TUV: R 50108695	cURus
				TRG1HD-12VDC-S-H	240V, 8A. TUV: R 50108695	cURus
			WANGRONG ELECTRONICS (SHENZHEN) CO LTD (E345228)	RJ-SS-112DM-S	250V, 5A. TUV SUD: 64.105.15.01733.03	cURus
				RJ-SS-112DM1-S	250V, 10A. TUV SUD: 64.105.15.01733.03	cURus
			NINGBO YINZHOU YONGLIN ELECTRICAL EQUIPMENT CO LTD (E233840)	YL305-A-12VDC	250V, 5A or 10A. TUV SUD: D 116660 0002	cURus
12	24	Compressor relay	NINGBO TIANBO GANGLIAN ELECTRONICS CO LTD (E173485)	HJQ-15F-2-S-H	240V, 30A. TUV: R 50116174	cURus
			WANGRONG ELECTRONICS (SHENZHEN) CO LTD (E345228)	RA2-112LM-S	250V, 30A. TUV SUD: 64.105.18.06738.02	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
12	25	SMPS	Ningbo Fuda Intelligent Technology Co., Ltd.	EF20-1.2mH	Input: 110-240VAC, 60Hz; output: 12VDC, 0.9A. (Except for 3034series)	See 5.0
			Ningbo Fuda Intelligent Technology Co., Ltd.	E16007VA	Input: 110-240VAC, 60Hz; output: 12VDC, 0.7A. (For 3034series)	See 5.0
12	26	Y capacitor	Various	Various	Min. 240V, 1000pF or 4700pF	cURus
12	27	PWB	Various	Various	V-0, T130, min. thickness: 1.6mm	cURus
12	28	Opto-coupler(not shown)	Sharp Corporation (E64380)	PC817	Max. repetitive peak isolation voltage: 850Vac. Maximum transient isolation voltage: 5000Vac. (Except for 3034 series)	cURus
			EVERLIGHT ELECTRONICS CO LTD (E214129)	EL817		cURus
			NingBo Qunxin Microelectronics Co., LTD (E509768)	817series.		cURus
				QX817series.		cURus
			LITE-ON Technology Corporation (E113898)	LTV-817	Max. repetitive peak isolation voltage: 850Vac. Maximum transient isolation voltage: 5300Vac. (Except for 3034 series)	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
7	7	Down Fan motor	Ningbo Fuda Intelligent Technology Co., Ltd.	YY-110-6D
Electrical Rating:		110-120VAC, 60Hz, 0.9A, 110W		Insulation class A
Component Standard used:		UL 1004-3:2015 Ed.2+R:31Jan2018 UL 1004-1:2012 Ed.2+R:05Nov2020 CSA C22.2#77:2014 Ed.8+E1 CSA C22.2#100:2014 Ed.7+U1		
MATERIALS LIST				
Component		Manufacturer	Type/model	Dimensions/thickness/assembly information
Core		Wuhan Iron and Steel Company Limited	50WW800	OD: 94mm, thickness: 28mm.
Main and Aux. Winding		OSHOW TECHNOLOGY CO LTD	Q(ZX/XY)-2/200L	200°C.
Slot liners		ZHEJIANG HUAQING NEW MATERIALS CO LTD	6021	105°C, min. thickness: 0.18mm.
Slot wedge		JIANGYIN HUCHENG INSULATION MATERIAL CO LTD	HC-FR4	V-0, min. thickness: 0.5mm.

5.0 Critical Unlisted CEC Components						
Thermal protector	SHENGZHOU GANLIN WANGSHI THERMAL PROTECTOR FACTORY (E247988)	JW-2B Series	250V, 135°C.			
	TaiXing Changhong Tongling electric appliance Co LTD (E504551)	KW-C1	250V, 135°C.			
	Jiangsu Changsheng Electric Appliance Co. Ltd. (E214731)	18AM-B series	250V, 135°C.			
	DONGYANG HENGDIAN THERMAL PROTECTOR FACTORY (GENERAL PARTNERSHIP) (E213246)	KSD series	250V, 135°C.			
	Foshan Changhong Tongli Electric Appliance Co Ltd (E309547)	KW-C1	250V, 135°C.			
		KW-C2	250V, 135°C.			
		KW-A1	250V, 135°C.			
		KW-A2	250V, 135°C.			
Lead wire	Various	Various	600V, 105°C, VW-1, 18-22AWG.			
WINDING(S) RESISTANCE						
Winding Designation	Wire Size (mm ²)	Wire Type	Turns	Volts	Amps	DC resistance (Ω) +/- 10%:
Main winding	0.41	/	/	/	/	38.1
Aux. winding	0.43	/	/	/	/	29.1
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 enclosure		1240V		60s

5.0 Critical Unlisted CEC Components

INSULATED COIL				
Photo #	Item no.	Name	Manufacturer/Trademark	Type / model
8	8	Up Fan motor	Ningbo Fuda Intelligent Technology Co., Ltd.	YY-60-6D
Electrical Rating: 110-120VAC, 60Hz, 0.65A, 60W				Insulation class A
Component Standard used: - UL 1004-3:2015 Ed.2+R:31Jan2018 - UL 1004-1:2012 Ed.2+R:05Nov2020 - CSA C22.2#77:2014 Ed.8+E1 - CSA C22.2#100:2014 Ed.7+U1				
MATERIALS LIST				
Component	Manufacturer	Type/model	Dimensions/thickness/assembly information	
Core	Wuhan Iron and Steel Company Limited	50WW800	OD: 94mm, thickness: 28mm.	
Main and Aux. Winding	OSHOW TECHNOLOGY CO LTD	Q(ZX/XY)-2/200L	200°C.	
Slot liners	ZHEJIANG HUAQING NEW MATERIALS CO LTD	6021	105°C, min. thickness: 0.18mm.	
Slot wedge	JIANGYIN HUCHENG INSULATION MATERIAL CO LTD	HC-FR4	V-0, min. thickness: 0.5mm.	

5.0 Critical Unlisted CEC Components						
Thermal protector	SHENGZHOU GANLIN WANGSHI THERMAL PROTECTOR FACTORY (E247988)	JW-2B Series	250V, 135°C.			
	TaiXing Changhong Tongling electric appliance Co LTD (E504551)	KW-C1	250V, 135°C.			
	Jiangsu Changsheng Electric Appliance Co. Ltd. (E214731)	18AM-B series	250V, 135°C.			
	DONGYANG HENGDIAN THERMAL PROTECTOR FACTORY (GENERAL PARTNERSHIP) (E213246)	KSD series	250V, 135°C.			
	Foshan Changhong Tongli Electric Appliance Co Ltd (E309547)	KW-C1	250V, 135°C.			
		KW-C2	250V, 135°C.			
		KW-A1	250V, 135°C.			
		KW-A2	250V, 135°C.			
Lead wire	Various	Various	600V, 105°C, VW-1, 18-22AWG.			
WINDING(S) RESISTANCE						
Winding Designation	Wire Size (mm ²)	Wire Type	Turns	Volts	Amps	DC resistance (Ω) +/- 10%:
Main winding	0.31	/	/	/	/	97.1
Aux. winding	0.45	/	/	/	/	22.7
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 enclosure		1240V		60s

5.0 Critical Unlisted CEC Components

INSULATED COIL				
Photo #	Item no.	Name	Manufacturer/Trademark	Type / model
12	25	SMPS	Ningbo Fuda Intelligent Technology Co., Ltd.	EF20-1.2mH
Electrical Rating:			Input: 110-240VAC, 60Hz; output: 12VDC, 0.9A.	Insulation class A
Component Standard used:			UL 1310:2018 Ed.7+R:09Jun2022 CSA C22.2#223:2015 Ed.3	

MATERIALS LIST

Component	Manufacturer	Type/model	Dimensions/thickness/assembly information
Bobbin	CHANG CHUN PLASTICS CO LTD (E59481)	T375J	PMC, rated V-0, RTI (150 150 150), thickness: 0.45mm.
Primary winding	DONG GUAN YIDA INDUSTRIAL CO LTD (E344055)	2UEW/155	MW 79-C, 155°C.
Second winding	GUANGZHOUWA NBAOELECTRON ICMATERIALCOLTD (E323485)	DTM-B	Reinforced insulation, 130°C.
Varnish	SUZHOU TAIHU ELECTRIC ADVANCED MATERIAL CO LTD (E228349)	T-4260(a)	130°C.
Insulation tape	SUZHOU MAILADUONA ELECTRIC MATERIAL CO LTD (E188295)	JY313#	130°C.

WINDING(S) RESISTANCE

Winding Designation	Wire Size (mm ²)	Wire Type	Turns	Volts	Amps	DC resistance (Ω) +/- 10%:
N1	0.23	2UEW/155	90	/	/	1.18
N3	0.55	DTM-B	7	/	/	0.023
N4	0.55	DTM-B	8	/	/	0.028
N5	0.23	2UEW/155	17	/	/	0.352

VERIFICATION PROCESS

Frequency: Annual	Test Site: CEC		Number of samples to test: 1
Test Name	Test Parameters		
Winding resistance	See resistance per winding above.		
Dielectric Strength	Apply voltage Between	Test Voltage	Test Time
	Primary to core	1480V	60s
	Primary to secondary	1480V	60s
	Secondary to core	500V	60s

5.0 Critical Unlisted CEC Components

INSULATED COIL				
Photo #	Item no.	Name	Manufacturer/Trademark	Type / model
7	7	Down Fan motor	Ningbo Fuda Intelligent Technology Co., Ltd.	YDK-110-6D
Electrical Rating: 110-120VAC, 60Hz, 0.9A, 110W				Insulation class A
Component Standard used: - UL 60335-1:2016 Ed.6 - CSA C22.2#60335-1:2016 Ed.2 - UL 60335-2-40:2019 Ed.3 - CSA C22.2#60335-2-40:2019 Ed.3				
MATERIALS LIST				
Component	Manufacturer	Type/model	Dimensions/thickness/assembly information	
Core	Wuhan Iron and Steel Company Limited	50WW800	OD: 95mm, thickness: 25mm.	
Main and Aux. Winding	ROSHOW TECHNOLOGY CO LTD (E215691)	QZ-2/155	155°C.	
	TONGLING JINGDA SPECIAL MAGNET WIRE CO LTD (E174580)	QZ-2/155	155°C.	
Slot liners	ZHEJIANG HUAQING NEW MATERIALS CO LTD (E361425)	6021	105°C, min. thickness: 0.18mm.	
Slot wedge	ZHEJIANG HUAQING NEW MATERIALS CO LTD (E361425)	6021	105°C, min. thickness: 0.18mm.	

5.0 Critical Unlisted CEC Components						
Thermal protector	SHENGZHOU GANLIN WANGSHI THERMAL PROTECTOR FACTORY (E247988)	JW-2B Series	250V, 135°C.			
	TaiXing Changhong Tongling electric appliance Co LTD (E504551)	KW-C1	250V, 135°C.			
	Jiangsu Changsheng Electric Appliance Co. Ltd. (E214731)	18AM-B series	250V, 135°C.			
	DONGYANG HENGDIAN THERMAL PROTECTOR FACTORY (GENERAL PARTNERSHIP) (E213246)	KSD series	250V, 135°C.			
	Foshan Changhong Tongli Electric Appliance Co Ltd (E309547)	KW-C1	250V, 135°C.			
		KW-C2	250V, 135°C.			
		KW-A1	250V, 135°C.			
		KW-A2	250V, 135°C.			
Lead wire	Various	Various	600V, 105°C, VW-1, 18-22AWG.			
WINDING(S) RESISTANCE						
Winding Designation	Wire Size (mm ²)	Wire Type	Turns	Volts	Amps	DC resistance (Ω) +/- 10%:
Main winding	0.33	/	/	/	/	34.6
Aux. winding	0.35	/	/	/	/	24.3
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 enclosure		1250V	60s	

5.0 Critical Unlisted CEC Components

INSULATED COIL				
Photo #	Item no.	Name	Manufacturer/Trademark	Type / model
8	8	Up Fan motor	Ningbo Fuda Intelligent Technology Co., Ltd.	YDK-60-6D
Electrical Rating: 110-120VAC, 60Hz, 0.58A, 60W				Insulation class A
Component Standard used: - UL 60335-1:2016 Ed.6 - CSA C22.2#60335-1:2016 Ed.2 - UL 60335-2-40:2019 Ed.3 - CSA C22.2#60335-2-40:2019 Ed.3				
MATERIALS LIST				
Component	Manufacturer	Type/model	Dimensions/thickness/assembly information	
Core	Wuhan Iron and Steel Company Limited	50WW800	OD: 94mm, thickness: 25mm.	
Main and Aux. Winding	ROSHOW TECHNOLOGY CO LTD (E215691)	QZ-2/155	155°C.	
	TONGLING JINGDA SPECIAL MAGNET WIRE CO LTD (E174580)	QZ-2/155	155°C.	
Slot liners	ZHEJIANG HUAQING NEW MATERIALS CO LTD (E361425)	6021	105°C, min. thickness: 0.18mm.	
Slot wedge	ZHEJIANG HUAQING NEW MATERIALS CO LTD (E361425)	6021	105°C, min. thickness: 0.18mm.	

5.0 Critical Unlisted CEC Components						
Thermal protector	SHENGZHOU GANLIN WANGSHI THERMAL PROTECTOR FACTORY (E247988)	JW-2B Series	250V, 135°C.			
	TaiXing Changhong Tongling electric appliance Co LTD (E504551)	KW-C1	250V, 135°C.			
	Jiangsu Changsheng Electric Appliance Co. Ltd. (E214731)	18AM-B series	250V, 135°C.			
	DONGYANG HENGDIAN THERMAL PROTECTOR FACTORY (GENERAL PARTNERSHIP) (E213246)	KSD series	250V, 135°C.			
	Foshan Changhong Tongli Electric Appliance Co Ltd (E309547)	KW-C1	250V, 135°C.			
		KW-C2	250V, 135°C.			
		KW-A1	250V, 135°C.			
		KW-A2	250V, 135°C.			
Lead wire	Various	Various	600V, 105°C, VW-1, 18-22AWG.			
WINDING(S) RESISTANCE						
Winding Designation	Wire Size (mm ²)	Wire Type	Turns	Volts	Amps	DC resistance (Ω) +/- 10%:
Main winding	0.27	/	/	/	/	89.3
Aux. winding	0.41	/	/	/	/	18.1
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 enclosure		1250V	60s	

5.0 Critical Unlisted CEC Components

INSULATED COIL

Photo #	Item no.	Name	Manufacturer/Trademark	Type / model
12	25	SMPS	Ningbo Fuda Intelligent Technology Co., Ltd.	E16007VA
Electrical Rating:		Input: 110-240VAC, 60Hz; output: 12VDC, 0.7A.		Insulation class A
Component Standard used:		UL 1310:2018 Ed.7+R:09Jun2022 CSA C22.2#223:2015 Ed.3		

MATERIALS LIST

Component	Manufacturer	Type/model	Dimensions/thickness/assembly information
Bobbin	CHANG CHUN PLASTICS CO LTD (E59481)	T375J	PMC, rated V-0, RTI (150 150 150), thickness: 0.45mm.
Primary winding	DONG GUAN YIDA INDUSTRIAL CO LTD (E344055)	2UEW/155	MW 79-C, 155°C.
Second winding	GUANGZHOUWA NBOELECTRON ICMATERIALCOLTD (E323485)	DTM-B	Reinforced insulation, 130°C.
Varnish	SUZHOU TAIHU ELECTRIC ADVANCED MATERIAL CO LTD (E228349)	T-4260(a)	130°C.
Insulation tape	JINGJIANG YAHUA PRESSURE SENSITIVE GLUE CO.,LTD. (E165111)	CT-280B	130°C.

WINDING(S) RESISTANCE

Winding Designation	Wire Size (mm ²)	Wire Type	Turns	Volts	Amps	DC resistance (Ω) +/- 10%:
N1	0.15	2UEW/155	129	/	/	5.00
N2	0.25	DTM-B	7	/	/	0.05
N3	0.2	DTM-B	9	/	/	0.11

VERIFICATION PROCESS

Frequency: Annual	Test Site: CEC	Number of samples to test: 1	
Test Name	Test Parameters		
Winding resistance	See resistance per winding above.		
Dielectric Strength	Apply voltage Between	Test Voltage	Test Time
	Primary to core	1480V	60s
	Primary to secondary	1480V	60s
	Secondary to core	500V	60s

6.0 Critical Features

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

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

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

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

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

1. Spacing - 3.2 mm minimum spacing are maintained through air and 6.4 mm over surfaces of insulating material between uninsulated live parts of opposite polarity or between uninsulated live parts and a grounded part other than enclosure. 6.4 mm minimum spacing are maintained between uninsulated live parts to conductive enclosure.
2. Mechanical Assembly - Components such as switches, fuseholders, connectors, wiring terminals and display lamps are mounted and prevented from shifting or rotating by the use of lockwashers, starwashers, or other mounting format that prevents turning of the component.
3. Corrosion Protection - All ferrous metal parts are protected against corrosion by painting, plating or the equivalent.
4. Accessibility of Live Parts - All uninsulated live parts in primary circuitry are housed within a 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 - NA
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 14-24 AWG, with a minimum rating of 300V, 85°C.
8. Markings - The product is marked on as labeling system as described in item no. 4 of Section 4.0 as follows:
 - applicant's name or brand name
 - model number
 - date of manufacture
 - electrical ratings (rated voltage, total input current, frequency, FLA of motors, RLA/LRA)
 - the kind and amount of refrigerant in pounds, ounces, or both
 - the high and low side design pressures

6.0 Critical Features

9. Cautionary Markings - The following are required:

"WARNING: RISK OF ELECTRIC SHOCK. CAN CAUSE INJURY OR DEATH. DISCONNECT ALL REMOTE ELECTRIC POWER SUPPLIES BEFORE SERVICING (not less than 3.2mm)

WARNING – Risk Of Fire. Flammable Refrigerant Used. To Be Repaired Only By Trained Service Personnel. Do Not Puncture Refrigerant Tubing (not less than 3.2mm)

WARNING – Risk Of Fire. Dispose Of Properly In Accordance With Federal Or Local Regulations. Flammable Refrigerant Used (not less than 3.2mm)"

The following shall be marked inside of unit near compressor with letters not less than 3.2mm:

"WARNING – Risk Of Fire. Flammable Refrigerant Used. Consult Repair Manual/Owner's Guide Before Attempting To Service This Product. All Safety Precautions Must Be Followed"

The following shall be marked on the package with letters not less than 3.2mm:

"WARNING – Risk of Fire due to Flammable Refrigerant Used. Follow Handling Instructions Carefully in Compliance with National Regulations"

10. Installation, Operating and Safety Instructions - Instructions for installation and use of this product are provided by the applicant. Refer to Illustration No. 1-1c. All necessary warning sentences required by standards are contained by provided manual, only partial literature is pasted in sec. 7.

11. 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 cETLus or cETL logo must also be marked as following:

The following shall be marked on the enclosure with letters not less than 3.2mm:

"AVERTISSEMENT: RISQUE DE CHOC ÉLECTRIQUE. PEUT CAUSER DES BLESSURES OU LA MORT. DÉBRANCHEZ toutes les ALIMENTATIONS ÉLECTRIQUES À DISTANCE AVANT L'ENTRETIEN"

The following shall be marked on the enclosure with letters not less than 3.2mm:

"AVERTISSEMENT – Risque d'incendie. Réfrigérant inflammable utilisé. À réparer uniquement par un personnel de service qualifié. Ne pas percer le tube de réfrigérant.

AVERTISSEMENT – Risque d'incendie. Éliminer correctement conformément aux réglementations fédérales ou locales. Réfrigérant inflammable utilisé."

The following shall be marked inside of unit near compressor with letters not less than 3.2mm:

"AVERTISSEMENT – Risque d'incendie. Réfrigérant inflammable utilisé. Consultez le manuel de réparation/guide du propriétaire avant d'essayer de réparer ce produit. Toutes les précautions de sécurité doivent être suivies."

The following shall be marked on the package with letters not less than 3.2mm:

"AVERTISSEMENT – Risque d'incendie dû à l'utilisation d'un réfrigérant inflammable. Suivez attentivement les instructions de manipulation conformément aux réglementations nationales"

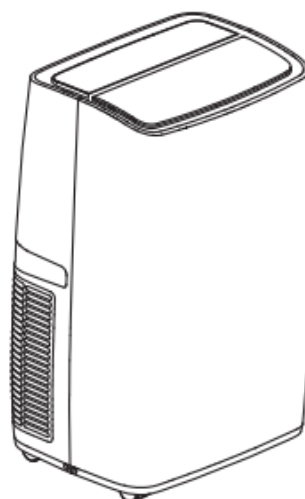
7.0 Illustrations

Illustration 1 - Instruction

Local Air Conditioner

Use and Care Manual

Model: FDPH41-3031ZPWV1R3



Thank you very much for purchasing **Mobile** Air Conditioner,
please read this Use and Care Manual carefully before installing
and using this appliance and keep this manual for future reference.

7.0 Illustrations

Illustration 1a - Instruction

Introduction

Thank you for choosing this mobile air conditioner to provide you and your family with all of the "Home Comfort" requirements for your home, cottage or office. The appliance can be moved from room to room within your home and set-up in just minutes. It is a multi-functional room air exchanging, air-processing appliance, designed to offer you the Functions of: Air Conditioning, Dehumidifying, Independent Fan and Heating. The external static Pressure at which the appliance was tested is 0 Mpa. This manual will provide you with valuable information necessary for the proper care and maintenance for your new appliance. Please take a few moments and read the instructions thoroughly. If properly Maintained, your appliance will give you many years of trouble free operation.

Electrical Specifications

1. All wiring must comply with local and national electrical codes and be installed by a qualified electrician. If you have any questions regarding the following instructions, contact a qualified electrician.
2. Check available power supply and resolve any wiring problems before installation and operation of this unit.
3. For your safety and protection, this unit is grounded through the power cord plug when plugged into a matching wall outlet. If you are not sure whether the wall outlets in your home are properly grounded, please consult a electrician. If supply cord is damaged, it must be replaced by the manufacture, its service agent or similarly qualified persons in order to avoid a hazard.

IMPORTANT SAFETY INSTRUCTIONS

WARNING

To reduce the risk of fire, electrical shock or injury when using your air conditioner, follow these basic precautions:

1. Plug into a grounded 3 prong outlet.
 2. Do not remove ground prong.
 3. Do not use an adapter.
 4. Do not use an extension cord.
 5. Unplug air conditioner before servicing.
 6. Use two or more people to move and install air conditioner.
 7. 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.
 8. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.
 9. If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
 10. The appliance shall be installed in accordance with national wiring regulations.
 11. This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Young children should be supervised to ensure that they do not play with the appliance.
 12. Do not use means to accelerate the defrosting process or to clean, other than those recommended by the manufacturer.
Recommended by the manufacturer.
The appliance shall be stored in a room without continuously operating ignition sources for example: open flames, an operating Gas appliance or an operating electric heater.
Be aware that refrigerants May not contain an odour.
Do not pierce or burn.
 13. When the machine malfunctions, do not repair it yourself. Please contact a professional organization or a professional trained maintenance personnel or a service organization recommended by the supplier for repair!.
- the maximum refrigerant charge amount: R32/290g (10. 23Oz)



7.0 Illustrations

Illustration 1b - Instruction

Introduction

14. Do not use means to accelerate the defrosting process or to clean, other than those recommended by the manufacturer
15. The appliance shall be stored in a room without continuously operating ignition sources (for example: open flames, an operating gas appliance or an operating electric heater.)
16. Do not pierce or burn.
17. Be aware that refrigerants may not contain an odour.

Safety Instructions during Servicing

1. The manual shall contain specific information about the required qualification of the working personnel for maintenance, service and repair operations. Every working procedure that affects safety means shall only be carried out by competent persons
2. Prior to beginning work on systems containing FLAMMABLE REFRIGERANTS, safety checks are necessary to ensure that the risk of ignition is minimised.
3. Work shall be undertaken under a controlled procedure so as to minimise the risk of a flammable gas or vapour being present while the work is being performed.
4. All maintenance staff and others working in the local area shall be instructed on the nature of work being carried out. Work in confined spaces shall be avoided.
5. The area shall be checked with an appropriate refrigerant detector prior to and during work, to ensure the technician is aware of potentially toxic or flammable atmospheres. Ensure that the leak detection equipment being used is suitable for use with all applicable refrigerants, i. e. non sparking, adequately sealed or intrinsically safe.
6. If any hot work is to be conducted on the refrigerating equipment or any associated parts, appropriate fire extinguishing equipment shall be available to hand. Have a dry powder or CO2 fire extinguisher adjacent to the charging area.
7. No person carrying out work in relation to a REFRIGERATING SYSTEM which involves exposing any pipe work shall use any sources of ignition in such a manner that it may lead to the risk of fire or explosion. All possible ignition sources, including cigarette smoking, should be kept sufficiently far away from the site of installation, repairing, removing and disposal, during which refrigerant can possibly be released to the surrounding space. Prior to work taking place, the area around the equipment is to be surveyed to make sure that there are no flammable hazards or ignition risks. "No Smoking" signs shall be displayed.
8. Ensure that the area is in the open or that it is adequately ventilated before breaking into the system or conducting any hot work. A degree of ventilation shall continue during the period that the work is carried out. The ventilation should safely disperse any released refrigerant and preferably expel it externally into the atmosphere.
9. Repair and maintenance to electrical components shall include initial safety checks and component inspection procedures. If a fault exists that could compromise safety, then no electrical supply shall be connected to the circuit until it is satisfactorily dealt with. If the fault cannot be corrected immediately but it is necessary to continue operation, an adequate temporary solution shall be used. This shall be reported to the owner of the equipment so all parties are advised

7.0 Illustrations

Illustration 1c - Instruction

Introduction

Initial safety checks shall include:

- that capacitors are discharged: this shall be done in a safe manner to avoid possibility of sparking;
- that no live electrical components and wiring are exposed while charging, recovering or purging the system;
- that there is continuity of earth bonding.

10. During repairs to sealed components, all electrical supplies shall be disconnected from the equipment being worked upon prior to any removal of sealed covers, etc. If it is absolutely necessary to have an electrical supply to equipment during servicing, then a permanently operating form of leak detection shall be located at the most critical point to warn of a potentially hazardous situation
11. Particular attention shall be paid to the following to ensure that by working on electrical components the casing is not altered in such a way that the level of protection is affected. This shall include damage to cables, excessive number of connections, terminals not made to original specification, damage to seals, incorrect fitting of glands, etc. Ensure that the apparatus is mounted securely. Ensure that seals or sealing materials have not degraded to the point that they no longer serve the purpose of preventing the ingress of flammable atmospheres. Replacement parts shall be in accordance with the manufacturer's specifications.
12. Do not apply any permanent inductive or capacitance loads to the circuit without ensuring that this will not exceed the permissible voltage and current permitted for the equipment in use.
13. Intrinsically safe components are the only types that can be worked on while live in the presence of a flammable atmosphere. The test apparatus shall be at the correct rating.
14. Replace components only with parts specified by the manufacturer. Other parts may result in the ignition of refrigerant in the atmosphere from a leak
15. Check that cabling will not be subject to wear, corrosion, excessive pressure, vibration, sharp edges or any other adverse environmental effects. The check shall also take into account the effects of aging or continual vibration from sources such as compressors or fans.
16. Under no circumstances shall potential sources of ignition be used in the searching for or detection of refrigerant leaks. A halide torch (or any other detector using a naked flame) shall not be used.

8.0 Test Summary					
Evaluation Period	2023-05-09 to 2023-05-23			Project No.	230400382SHA
Sample Rec. Date	8-May-2023	Condition	Production	Sample ID.	0230508-49
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 60335-1:2016 Ed.6 CSA C22.2#60335-1:2016 Ed.2 UL 60335-2-40:2019 Ed.3 CSA C22.2#60335-2-40:2019 Ed.3 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		
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		
Resistance to heat and fire			30		
Resistance to rusting			31		
Test Description			UL 1310:2018 Ed.7+R:09Jun2022 / Clause		CSA C22.2#223:2015 Ed.3/ Clause
Maximum Output Voltage Test			28		-
Maximum Input Test			29		-
Output Current and Power Test			30		6.3.4
Full-Load Output Current Test			32		-
Normal Temperature Test			33		6.4
Dielectric Voltage Withstand Test			34		6.5
Open-circuit secondary voltage			-		6.3.1
Rated input			-		6.3.2
Rated output			-		6.3.3

8.0 Test Summary		
Test Description	UL 1004-3:2015 Ed.2+R:31Jan2018 UL 1004-1:2012 Ed.2+R:05Nov2020 Clause	CSA C22.2#77:2014 Ed.8+E1 CSA C22.2#100:2014 Ed.7+U1 Clause
Dielectric Voltage-Withstand Test	37	6.5
Locked Rotor Temperature Test	8	6.4
Locked Rotor Endurance Test	9	6.6

Evaluation Period	2023-10-17 to 2023-11-01			Project No.	2310A0017SHA
Sample Rec. Date	13-Oct-2023	Condition	Production	Sample ID.	A231013-18
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:

	UL 60335-1:2016 Ed.6 CSA C22.2#60335-1:2016 Ed.2 UL 60335-2-40:2019 Ed.3 CSA C22.2#60335-2-40:2019 Ed.3	
Test Description	Clause	
Power input and current	10	
Heating	11	
Abnormal operation	19	
	UL 1310:2018 Ed.7+R:09Jun2022 / Clause	CSA C22.2#223:2015 Ed.3/ Clause
Test Description		
Maximum Output Voltage Test	28	-
Maximum Input Test	29	-
Output Current and Power Test	30	6.3.4
Full-Load Output Current Test	32	-
Normal Temperature Test	33	6.4
Dielectric Voltage Withstand Test	34	6.5
Open-circuit secondary voltage	-	6.3.1
Rated input	-	6.3.2
Rated output	-	6.3.3

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:	Michael Jin	Reviewed by:	Jack Tang
Title:	Project Engineer	Title:	Technical Supervisor
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	NINGBO FUDA INTELLIGENT TECHNOLOGY CO., LTD
Address	NO.1 ZHENHUA ROAD, ZHENNAN VILLAGE, SIMEN TOWN, YUYAO, ZHEJIANG PROVINCE
Country	P. R. China
Product	Portable Air Conditioner

MULTIPLE LISTEE 1	AOSOM E-COMMERCE INC.
Address	6-9F, MIDDLE TOWER OF MH MANSION, NO. 288 XILU ROAD, ZHUANGSHI STREET, ZHENHAI DISTRICT, NINGBO CITY, ZHEJIANG PROVINCE
Country	CHINA
Brand Name	HOMCOM
ASSOCIATED MANUFACTURER	NINGBO FUDA INTELLIGENT TECHNOLOGY CO., LTD
Address	NO.1 ZHENHUA ROAD, ZHENNAN VILLAGE, SIMEN TOWN, YUYAO, ZHEJIANG
Country	P. R. China
MULTIPLE LISTEE 1 MODELS	BASIC LISTEE MODELS
823-039V81CW	FDP35-3031ZPV1R3

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

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 Limited
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

Earth Continuity Test

Pressure Tests For Leakage and Strength

11.1 Dielectric Voltage Withstand Test

Method

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

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

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

Test Equipment

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

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

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

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

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

Products Requiring Dielectric Voltage Withstand Test:

<u>Product</u>	<u>Test Voltage</u>	<u>Test Time</u>
All products covered by this Report.	1000V	1 s

11.2 Earth Continuity Test

Method

Each product listed below shall be subjected to a test to determine that there is continuity between accessible earthed metal parts of the product and the earthing terminal.

A current of at least 10 A, derived from a source having a no-load voltage not exceeding 12 V (a.c. or d.c.), is passed between accessible earthed metal parts of the product and the earthing terminal.

The voltage drop is measured and the resistance is calculated and shall not exceed 0.1Ω .

Products Requiring Grounding Continuity Test:

All products covered by this Report.

11.3 Pressure Tests for Leakage and Strength

Method

Each air conditioner shall be tested and proved tight at not less than the design pressure(s) marked on the appliance.

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

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

Products Requiring Pressure Tests for Leakage and Strength:

All products covered by this Report.

High side pressure 551 psig, Low side pressure 174 psig

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-Nov-2023	Michael Jin	2	-	Add new models FDP maybe followed by H; followed by 35 or 41; followed by -3034, -3036 or -3037; followed by Z; maybe followed by P or W; followed by V1R3. Add new models FP10581US-WH, FP10582US-WH, FP10583US-WH, FP10584US-WH, FDP35-3034ZPR3, FDP35-3034ZR3, FDP35-3034R3, FDP35-3030ZR3, FDP35-3032ZPR3, FDP35-3033ZPR3, FDP35-3031ZPR3, FDP41-3034ZPR3, FDP41-3033ZPR3, FDP41-3034ZR3, FDP41-3034R3, FDP41-3032ZPR3, FDP41-3030ZR3, FDP41-3031ZPR3. Update relevant model similarity, ratings and other ratings.
2310A0017SHA	Jack Tang	2	-	Add brand name "COSTWAY, Acekool".
		3	18	Add photo for front view (FDPH41-3034ZPWV1R3).
		3	19	Add photo for front view (FDPH41-3036ZPWV1R3).
		3	20	Add photo for front view (FDPH41-3037ZPWV1R3).
		3	21	Add photo for front view of PWB (FDPH41-3034ZPWV1R3).
		3	22	Add photo for rear view of PWB (FDPH41-3034ZPWV1R3).
		4	7	Add alternative down fan motor YDK-110-6D by Ningbo Fuda Intelligent Technology Co., Ltd.
		4	8	Add alternative up fan motor YDK-60-6D by Ningbo Fuda Intelligent Technology Co., Ltd.
		4	23	Add alternative relay YL305-A-12VDC by NINGBO YINZHOU YONGLIN ELECTRICAL EQUIPMENT CO LTD
		4	25	Revise the technical data of SMPS EF20-1.2mH by Ningbo Fuda Intelligent Technology Co., Ltd from "Input: 110-240VAC, 60Hz; output: 12VDC, 0.7A." to "Input: 110-240VAC, 60Hz; output: 12VDC, 0.7A. (For 3034series)".
		4	25	Add alternative smps E16007VA by Ningbo Fuda Intelligent Technology Co., Ltd.
		4	26	Revise the technical data of y capacitor Various by Various from "Min. 240V, 4700pF" to "Min. 240V, 1000pF or 4700pF".
		4	28	Revise the technical data of opto-coupler PC817, EL817, 817 series, QX817 series from "Max. repetitive peak isolation voltage: 850Vac. Maximum transient isolation voltage: 5000Vac." to "Max. repetitive peak isolation voltage: 850Vac. Maximum transient isolation voltage: 5000Vac. (Except for 3034 series)".

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	28	Revise the technical data of opto-coupler LTV-817 by LITE-ON Technology Corporation from "Max. repetitive peak isolation voltage: 850Vac. Maximum transient isolation voltage: 5300Vac." to "Max. repetitive peak isolation voltage: 850Vac. Maximum transient isolation voltage: 5300Vac. (Except for 3034 series)".
		5	7	Add CEC information for alternative down fan motor YDK-110-6D by Ningbo Fuda Intelligent Technology Co., Ltd.
		5	8	Add CEC information for alternative up fan motor YDK-60-6D by Ningbo Fuda Intelligent Technology Co., Ltd.
		5	25	Add CEC information for SMPS E16007VA by Ningbo Fuda Intelligent Technology Co., Ltd.
		8	-	New test block added and resigned.
		9	ML1	Add new ML for AOSOM E-COMMERCE INC. ML model 823-039V81CW (brand name: HOMCOM) for basic model FDP35-3031ZPV1R3.
26-Jan-2024	Michael Jin	2	-	Add new brand name "Humsure". Update relevant model similarity.
2401B0069SHA	Jack Tang	4	10	Revise the model name of PWB box from "AF365(&)" to "AF366(&)".
		4	10	Revise the technical data of PWB box AF366(&) by LG CHEM LTD from "ABS, 5VA, RTI(85, 75, 75), HWI 3, Min. thickness: 2.5mm." to "ABS, 5VA, RTI(85, 75, 75), HWI 3, Min. thickness: 2.0mm.".
		4	10	Revise the model name of PWB box from "PA-765A(+)" to "PA-765A".
16-Apr-2024	Michael Jin <i>Michael Jin</i>	2	-	Add new brand name "SERENELIFE". Add new models "SLACP12, SLACHT12W, SLACP14, SLACHT14W". Update relevant model similarity.
2403B1371SHA	Jack Tang	4	2	Add alternative power cord KPL301 by ZHONGSHAN KAPER ELECTRICAL CO LTD
	<i>Jack Tang</i>	4	3	Add alternative plug KP-LC13 by Zhongshan Kaper Electrical Co., Ltd.
		4	3	Add alternative plug KP-LC15 by Zhongshan Kaper Electrical Co., Ltd.