



Air Conditional Service Manual

Model: AC-CA30HK

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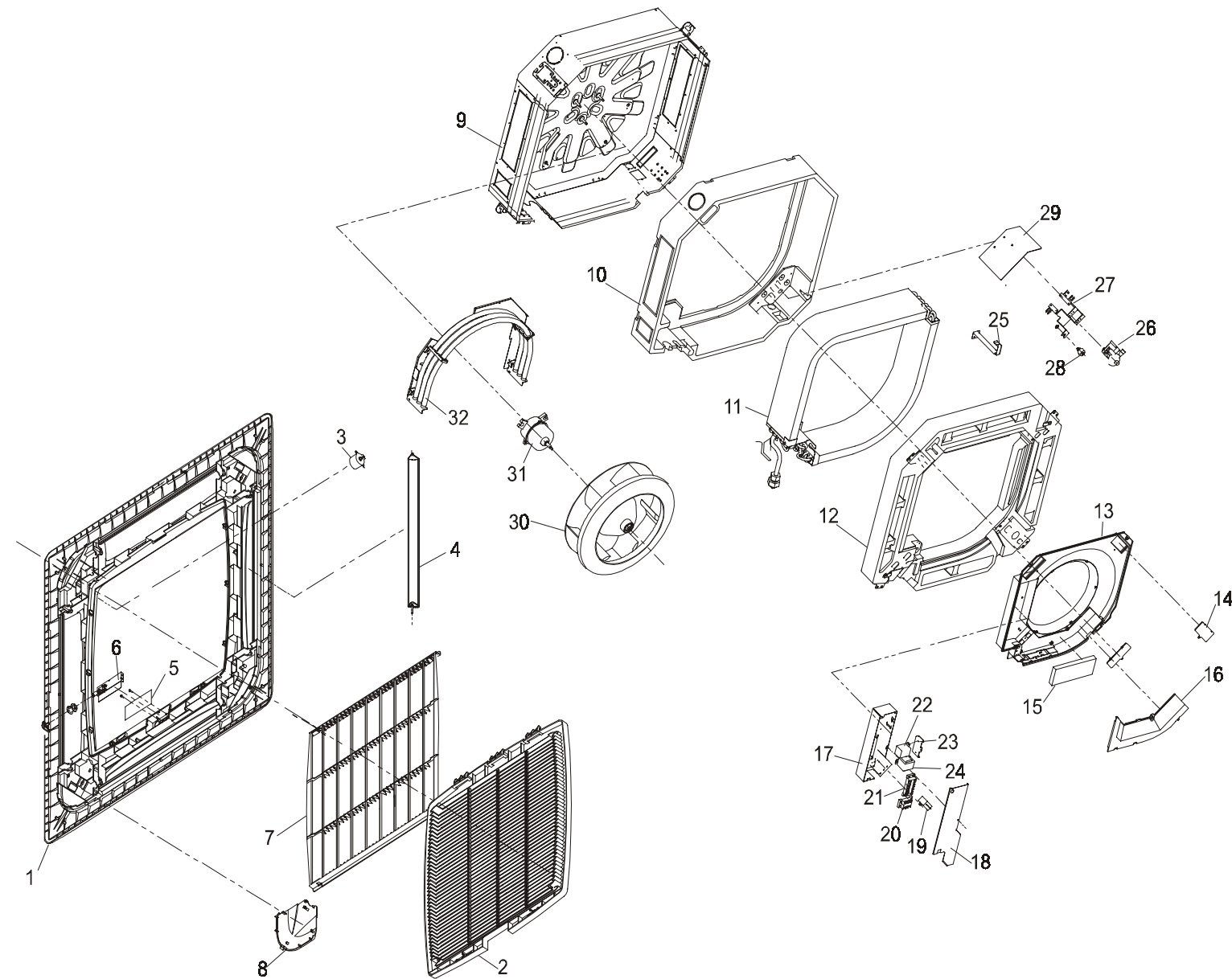
SPECIFICATION

Model No.			AC-CA30HK	
Type			Cassette Type, Heat Pump	
Cooling Capacity (Btu/h)			24200	24200
Heating Capacity (Btu/h)			26600	26600
Rated Input (w)	Cooling		2700	2700
	Heating		2750	2750
PTC Heater Power (W)			2100	2100
Moisture Removal (L/H.r)			2.9	2.9
Air Circulation (CMH Max)			1100	1100
EER for Cooling (Btu/h.w)			9.0	9.0
COP for Heating (w/w)			2.8	2.8
Refrigerant			R22 (2400g)	R22 (2400g)
Volt/Phase/Hz			220-240V~/1P/50Hz	380V~/3P/50Hz
Rated Current (A)	Cooling		12.5	5.7
	Heating		12.8	5.8
	PTC Heater		9.6	5.0
LRA			76	82
Noise Level (dB (A))	Indoor Unit	High	46	46
		Low	40	40
	Outdoor Unit		60	60
Compressor type			Scroll	Scroll
Compressor Model No.			ZR34K3-PFJ	ZR34K3-TFD
Compressor MFG			Copeland	Copeland
Expansion Device			Capillary	Capillary
Evaporator			Copper and Aluminum Fin	
Condenser			Copper and Aluminum Fin	
LCD Wireless Remote Controller			Yes	Yes
Removable and Washable Panel			Yes	Yes
Washable Filter			Yes	Yes
24 Hours Timer			Yes	Yes
3 Speed Control			Yes	Yes
Auto Swing			Yes	Yes
Sleep Operation			Yes	Yes
Smart Function (“I Feel” Mode)			Yes	Yes
Auto Restart			Optional	Optional

Model No.		AC-CA30HK	
Water Discharge Indication		Yes	Yes
PTC Heater		Yes	Yes
Dimensions WxHxD (mm)	Panel	950x40x950	950x40x950
	Indoor Unit	840x220x840	840x220x840
	Outdoor Unit	890x793x362	890x793x362
Net Weight (Kg)	Indoor Unit	35	35
	Outdoor Unit	78	78
Packing Dimensions WxHxD (mm)	Panel	1030x130x1044	1030x130x1044
	Indoor Unit	960x346x974	960x346x974
	Outdoor Unit	1040x900x480	1040x900x480
Gross Weight (Kg)	Indoor Unit	41	41
	Outdoor Unit	88	88
Loading Capacity (40'/40' HC)		54/60	54/60

EXPLODED VIEW AND PART LIST

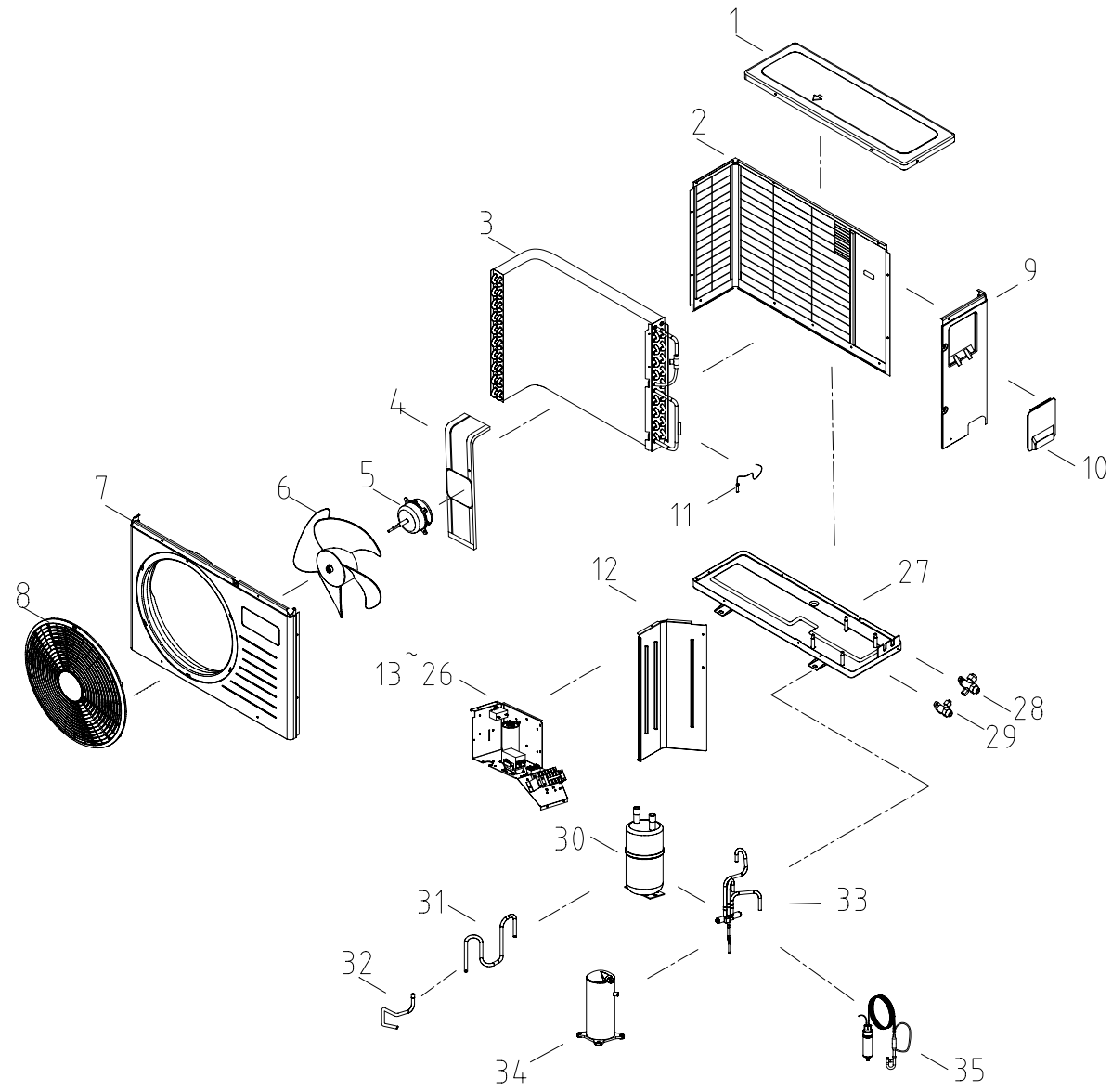
INDOOR UNIT



INDOOR UNIT

No.	Description	Part No.	Qty
1	Front Cover Assembly	1006559	1
2	Air Inlet Grille	1201185	1
3	Swing Motor	1402197	4
4	Louver	1201248	4
5	Display PCB	1409252	1
6	Display PCB Cover	2109229	1
7	Air Filter	130676	1
8	Corner Cover plate	1105323	4
9	Cabinet Assembly	10011014	1
10	Up Air Flow Volute	1007110	1
11	Evaporator Assembly	1301149	1
12	Drain Pan	210675	1
13	Air Deflector	1201190	1
14	Access Cover	2109159	2
15	Control PCB Assembly	1401210	1
16	Control Box Cover	2109153	1
17	Electrical Box	1005188	1
18	Electrical Box Cover	2109158	1
19	Fan Capacitor	1411806	1
20	Terminal 3PUB	1502100	1
21	Terminal 6P2	1502105	1
22	Contactor	14113051	1
23	Contactor Fixing Panel	1109198	1
24	Transformer	1411647	1
25	Evaporator Support	1102162	2
26	Water Pump	1402204	1
27	Water Pump Support	1102164	1
28	Water Level Switch(Low)	141046	1
28a	Water Level Switch 1(High)	814101	1
29	Baffle Plate	1203256	1
30	Indoor Fan	1402202	1
31	Indoor Fan Motor	1402237	1
32	Electric Heater	814046	1
33	Remote Controller	1401387	1

OUTDOOR UNIT

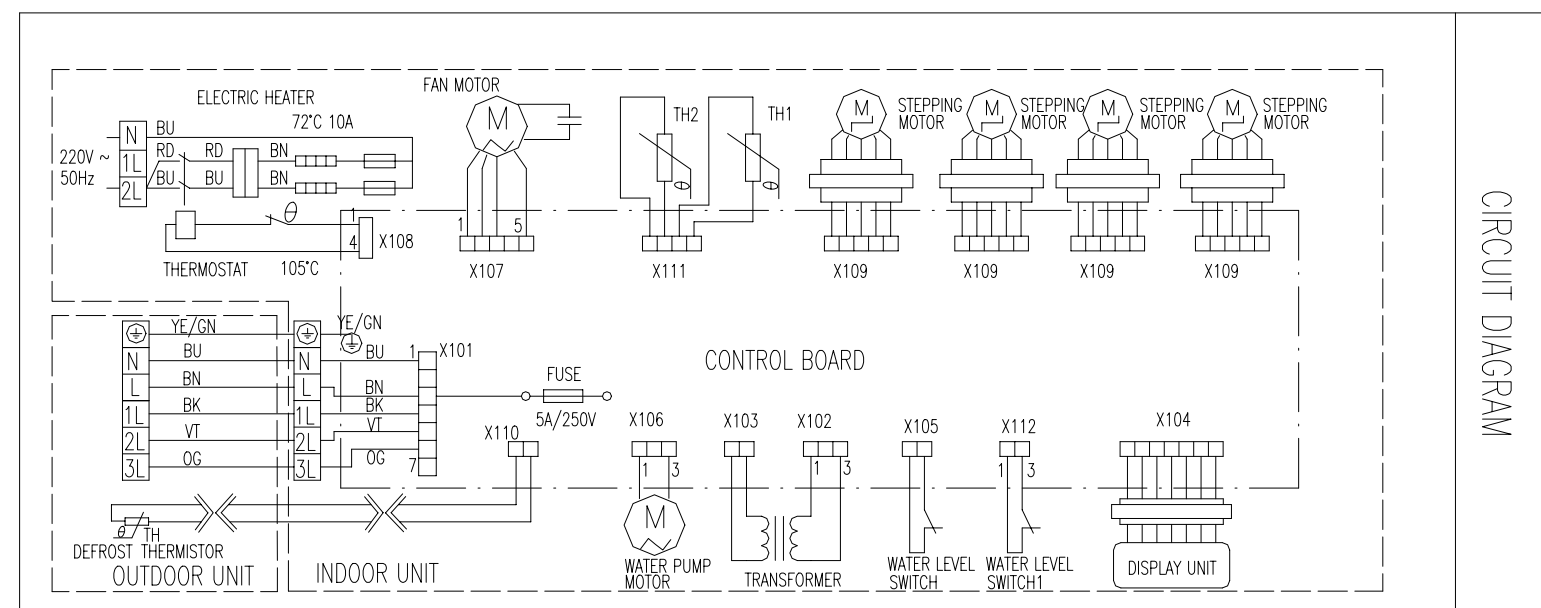


OUTDOOR UNIT

No.	Description	Part No	Qty
1	Top Cover	21093056	1
2	Rear Cover	21093059	1
3	Condenser	1302172	1
4	Motor Stay Bracket	11093021	1
5	Outdoor Fan Motor	14023007	1
6	Outdoor Fan	14023031	1
7	Cabinet	1105307	1
8	Fan Guard	21093069	1
9	Right Side Plate	21093058	1
10	Terminal Cover	21093054	1
11	Thermistor	11053010	1
12	Bulkhead	12033038	1
13	Electrical Assembly	1411937	1
14	Cord Fixing Board	11093016	1
15	Cord Clamp	12033012	1
16			
17	Terminal Board 4P2	15023004(A)	1
18	Terminal Board 5P3	150288	1
19	Terminal Board 2U	150217	1
20	Fan motor Capacitor	14113057	1
21	Compressor Capacitor	14113044	1
22	AC Contactor	1411941	1
23	Power Supply Cord	1501458	1
24			
25	Phase order board	N/A	1
26	Electrical Box	12033024	1
27	Chassis	12033041	1
28	3 Way valve	8130914	1
29	2 Way valve	8130918	1
30	Accumulator Assembly	813053	1
31	Suction Pipe	81303559	1
32			
33	4 Way Valve	1411585	1
33a	4 Way Valve Coil	1411458	1
34	Compressor	1304281	1
35	Capillary Assembly	13031945	1

WIRING DIAGRAM

Indoor unit



CIRCUIT DIAGRAM

Outdoor unit

