



Air Conditional Service Manual

Model:
AC-CA50HK

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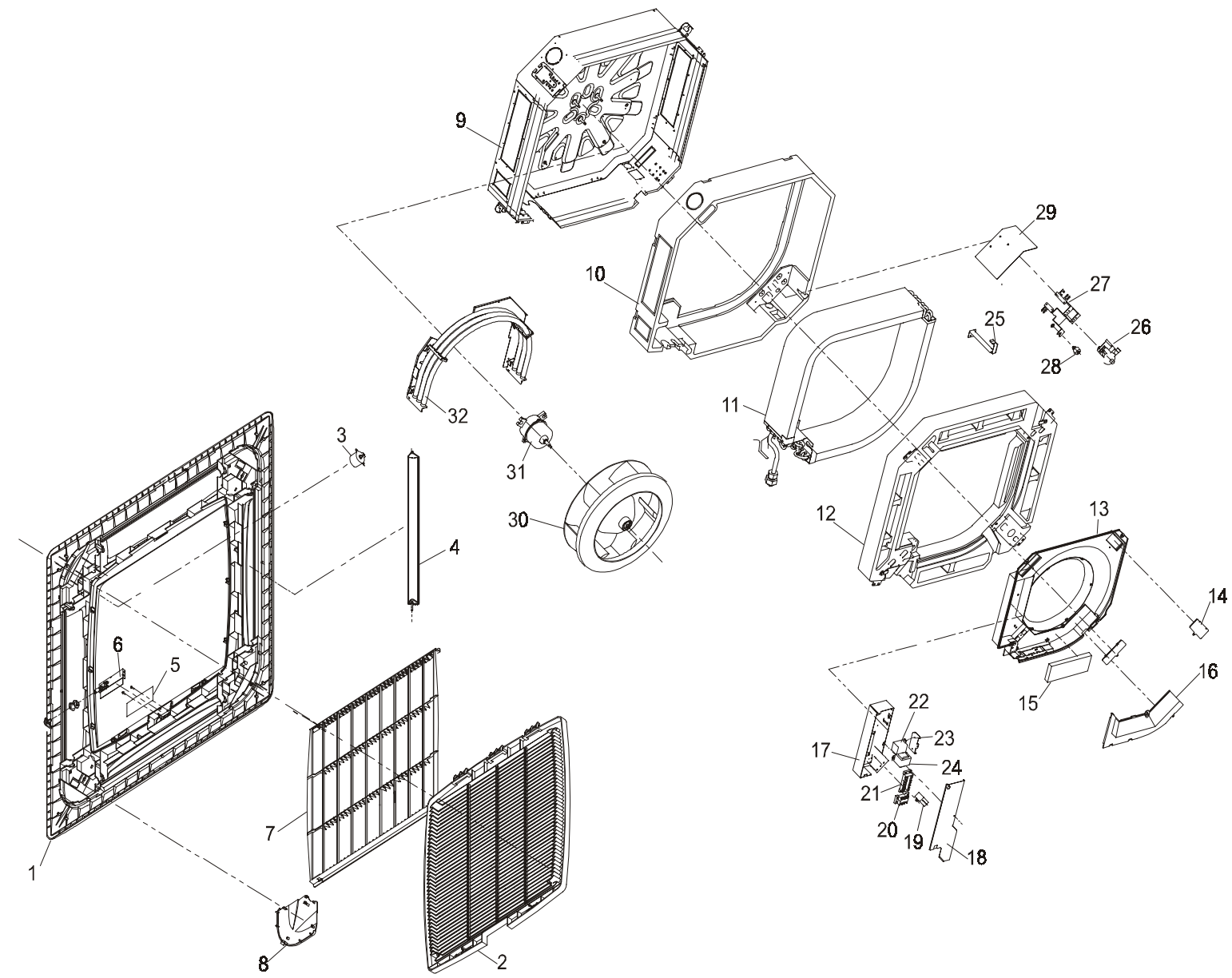
SPECIFICATION

Model No.			AC-CA50HK		
Type			Cassette,Heat Pump		
Cooling Capacity (Btu/h)			41000		
Heating Capacity (Btu/h)			44400		
Rated Input (w)	Cooling		4600		
	Heating		5100		
PTC Heater Power (W)			3000		
Moisture Removal (L/H.r)			5.0		
Air Circulation (CMH Max)			1600		
EER for Cooling (Btu/h.w)			8.9		
COP for Heating (w/w)			2.6		
Refrigerant			R22 (4000g)		
Power Supply					
Volt/Phase/Hz			380V~/3P/50Hz		
Rated Current (A)	Cooling		9.0		
	Heating		10.0		
	PTC Heater		4.6		
LRA			53		
Noise Level (dB (A))	Indoor Unit	High	52		
		Low	45		
	Outdoor Unit		63		
Compressor type			Scroll		
Compressor Model No.			ZR57KC-TFD		
Compressor MFG			Copeland		
Expansion Device			Capillary		
Evaporator			Copper and Aluminum Fin		
Condenser			Copper and Aluminum Fin		
Features					
LCD Wireless Remote Controller			Yes		
Removable and Washable Panel			Yes		
Washable Filter			Yes		
24 Hours Timer			Yes		
3 Speed Control			Yes		

Model No.		AC-CA50HK
Auto Swing		Yes
Sleep Operation		Yes
Smart Function (“I Feel” Mode)		Yes
Auto Restart		Optional
Water Discharge Indication		Yes
PTC Heater		Yes
Other		
Net Dimensions WxHxD (mm)	Panel	950x40x950
	Indoor Unit	840x320x840
	Outdoor Unit	940x1243x440
Net Weight (Kg)	Indoor Unit	46
	Outdoor Unit	114
Packing Dimensions WxHxD (mm)	Panel	1030x130x1044
	Indoor Unit	960x 450x974
	Outdoor Unit	1130x1360x530
Gross Weight (Kg)	Indoor Unit	53
	Outdoor Unit	127
Loading Capacity (40’/40’ HC)		46/50

EXPLODED VIEW AND PART LIST

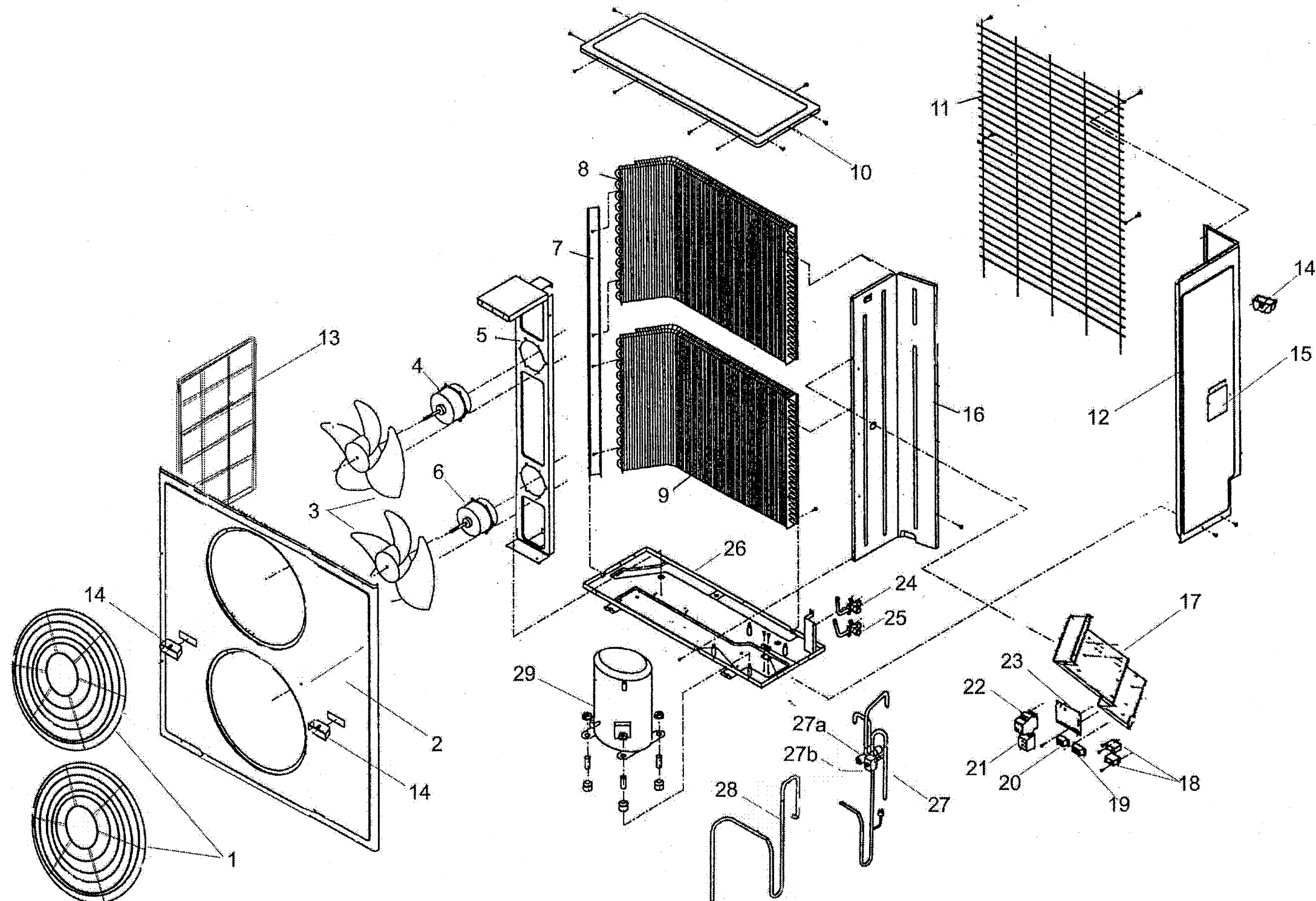
INDOOR UNIT



INDOOR UNIT

No.	Description	Part No.	Qty
1	Front Cover Assembly	8100644	1
2	Air Inlet Grille	1201185	1
3	Swing Motor	1402197	4
4	Louver	1201187	4
5	Display PCB	1905521	1
6	Display PCB Cover	2109225	1
7	Air Filter	130676	1
8	Corner Cover plate	1105323	4
9	Cabinet Assembly	10012335	1
10	Up Air Flow Volute	1007128	1
11	Evaporator Assembly	1301271	1
12	Drain Pan	210675	1
13	Air Deflector	1201351	1
14	Access Cover	1209159	2
15	Control PCB Assembly	1409473	1
16	Control Box Cover	2109153	1
17	Electrical Box	1005188	1
18	Electrical Box Cover	2109158	1
19	Fan Capacitor	14111545	1
20	Terminal 7P2	1502103	1
21	Terminal 4P	150247(A)	1
22	Contactor	14113051	1
23	Contactor Fixing Panel	1109198	1
24	Transformer	1411647	1
25	Evaporator Support	1102218	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	1402361	1
31	Indoor Fan Motor	1402360	1
32	Electric Heater	140487	1
33	Remote Controller	1401387	1

OUTDOOR UNIT

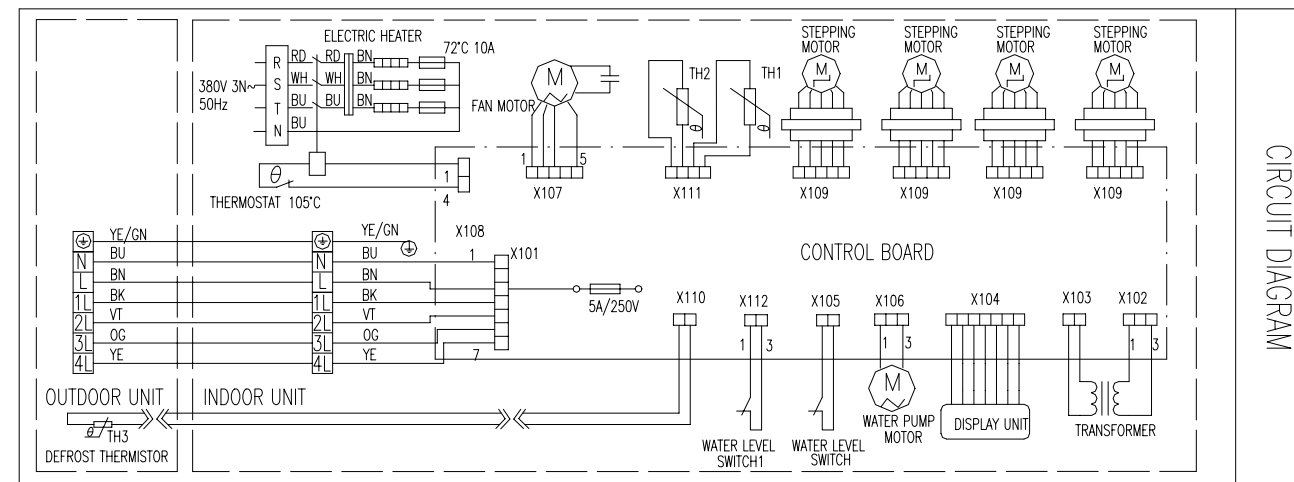


OUTDOOR UNIT

No.	Description	Part No.	Qty
1	Fan Cover	21093069	2
2	Front Cover	8101311	1
3	Outdoor Fan	14023031	2
4	Outdoor Fan Motor (up)	14023007	1
5	Motor Bracket	11023009	1
6	Outdoor Fan Motor (down)	14023007	1
7	Left Baffle, Condenser	10083005	1
8	Condenser Assembly (Up)	1302181	1
9	Condenser Assembly (Down)	1302368	1
10	Top Cover	21093045	1
11	Rear Cover	21093048	1
12	Right Cover	21093047	1
13	Left Cover	21093049	1
14	Handle	2103063	2
15	Wiring Terminal Cover	2109234	1
16	Clapboard	12033047	1
17	Electrical Box	10053006	1
18	Fan Motor Capacitor	14113057	2
19	Terminal 6P1	150257(A)	1
20	Terminal 2U	150217	1
21	Terminal 6P5	150292	1
22	Ac Contactor	1411865	1
23	Power Phase Order Board	14093015	1
24	2-Way Valve	8130912	1
25	3-Way Valve	9130911	1
26	Base Plate	100278	1
27	Reversing Valve Assembly	1411904	1
27a	Reversing Valve	1511151	1
27b	Reversing Valve Coil	14113019	1
28	Suction Pipe	13131537	1
29	Compressor	1304219	1

WIRING DIAGRAM

Indoor unit



Outdoor unit

