

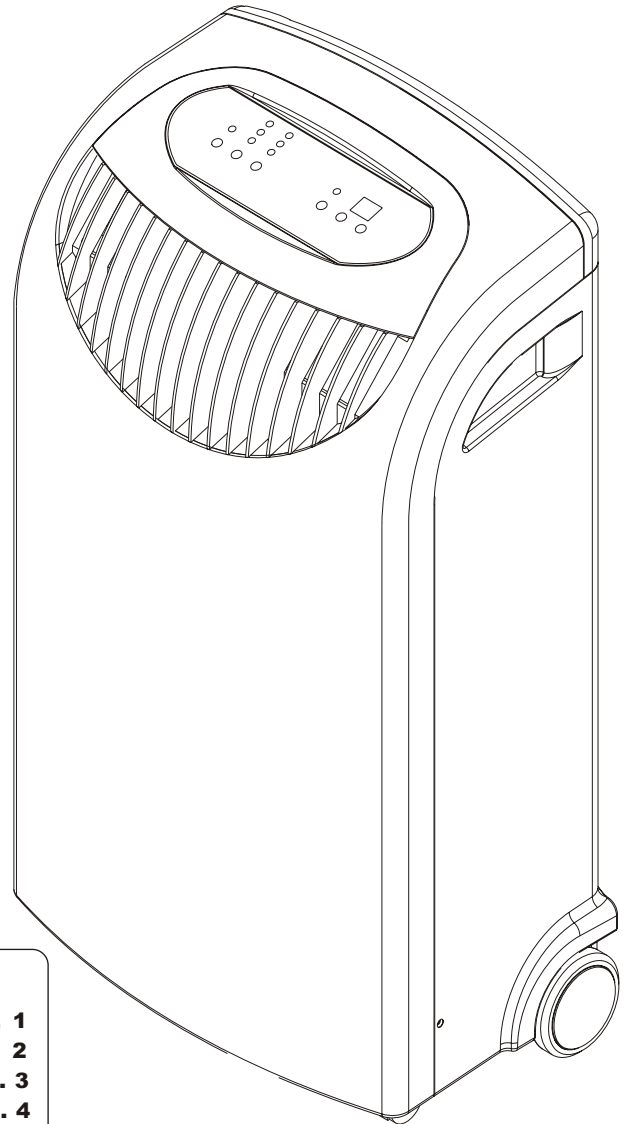


NEW WIDETECH

SERVICE MANUAL

PORTABLE AIR CONDITIONER

PAC-10000DB



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This manual is for the use of technical personnel entrusted with maintenance.

Widetech reserves the right to change this dehumidifier's casing, circuit and parts without notice.

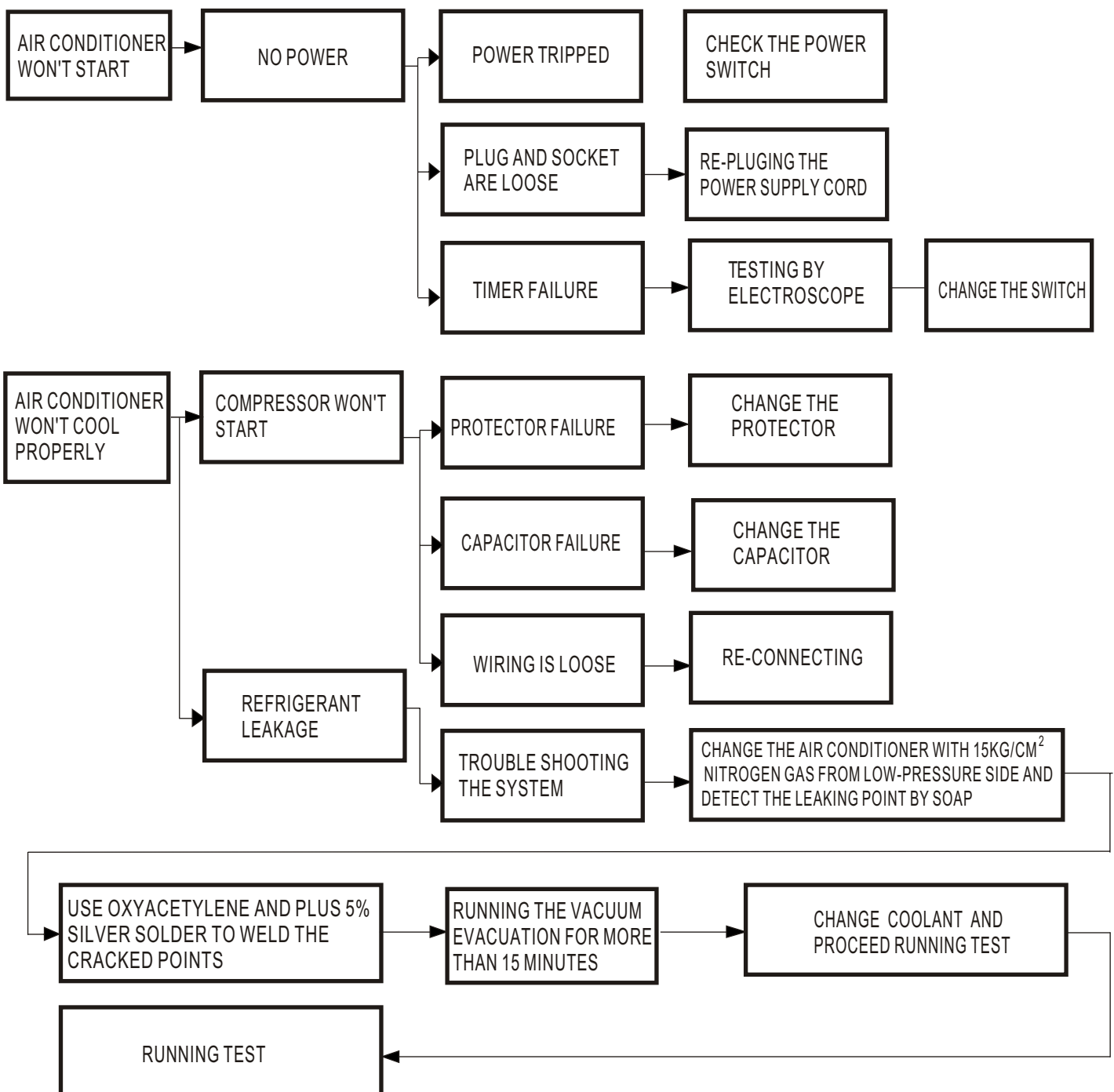
220-240V 50Hz

IMPORTANT POINTS ON SERVICE OPERATING SAFETY

Please follow these instructions carefully:

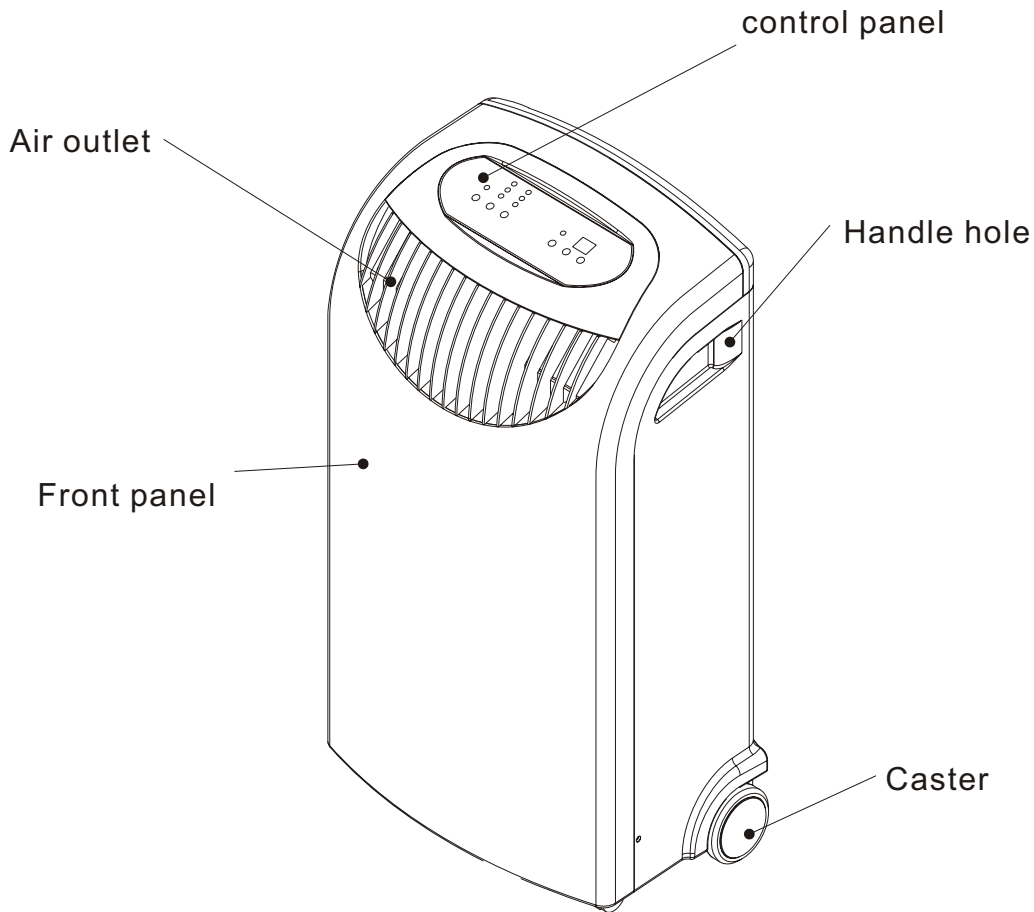
- Unplug the unit to avoid any danger from electric shock before disassembling the unit for repair.
- If there is any sound of the refrigerant circulating when in operation, avoid touching the cooling coils.
- If you need to perform any welding or soldering, be sure you are in a well ventilated area.
- Only a qualified professional should perform any welding on the unit.
- When repairing the unit, the specifications listed in this manual must be strictly adhered to when replacing any components.
- When replacing any electrical components they should be factory approved units.
- Be sure that any electrical components are properly wired and in place.

FLOW CHART FOR INSPECTING AND REPAIRING THE UNIT



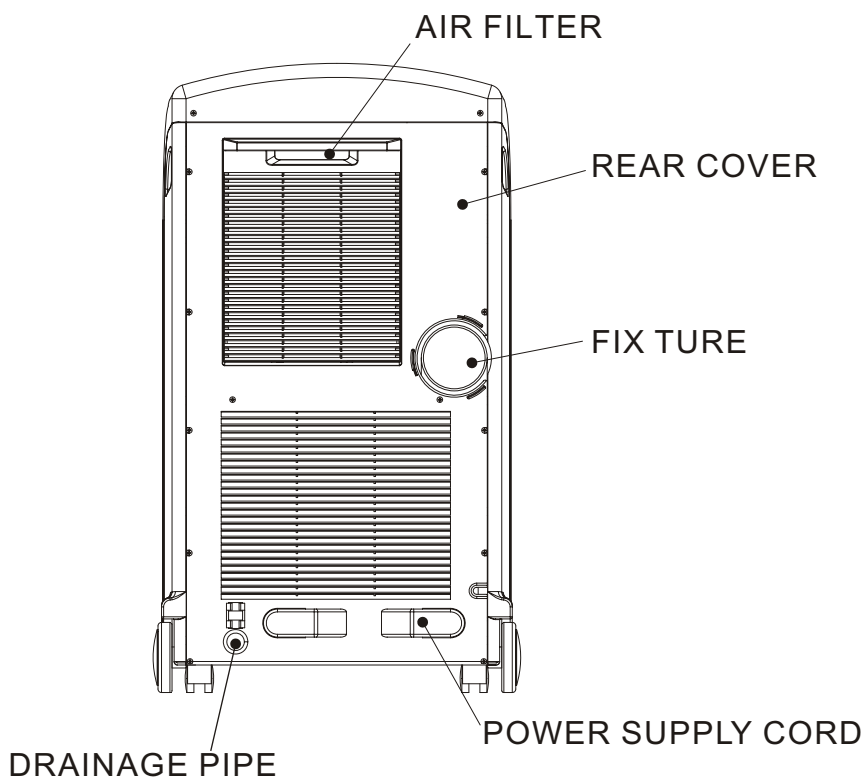
APPEARANCE(OUT WARD)

FRONT SIDE

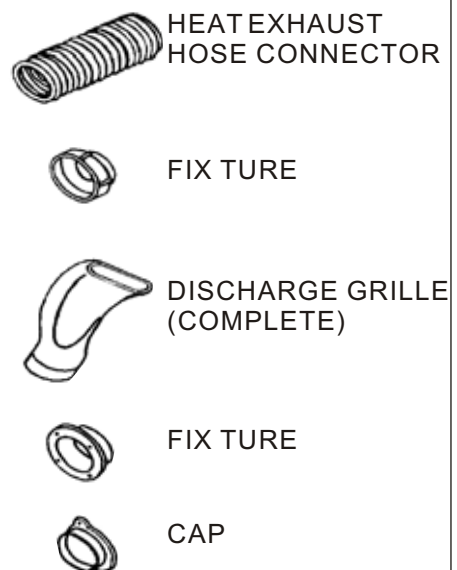


APPEARANCE(OUT WARD)

BACK SIDE



ACCESSORIES

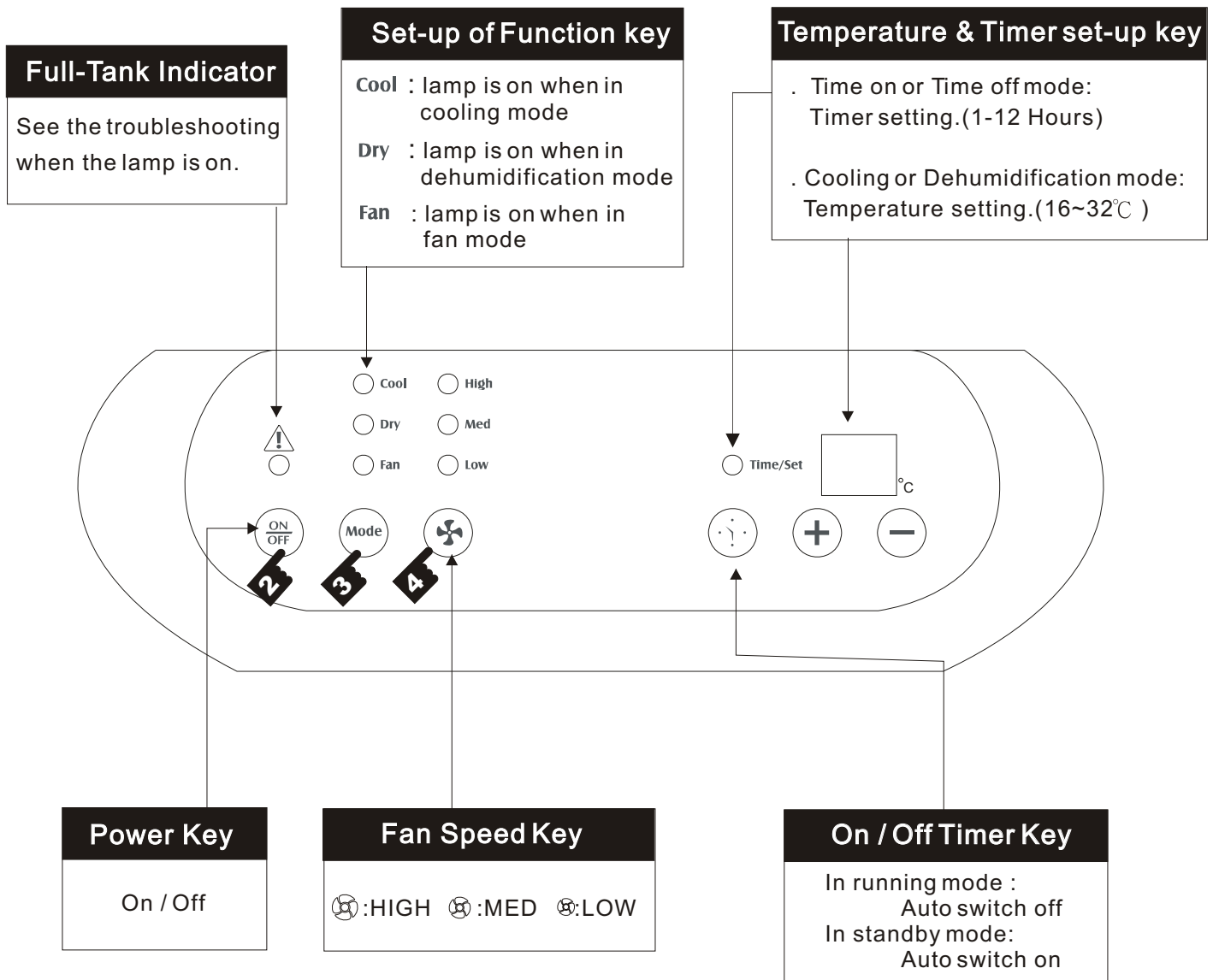


TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSE	REMEDIES
The air conditioner doesn't work	<ul style="list-style-type: none"> -There is a power failure -The plug is not connected -The timer is unable to work -The main switch has not been pressed 	<ul style="list-style-type: none"> -Wait for the power return -Connect the plug -Provide repairment -Press the main switch
The air conditioner works for short period only	<ul style="list-style-type: none"> -The set temperature is too close to the room's temperature -There is something blocking the suction vent on the back of condenser -The fan on the condenser is blocked 	<ul style="list-style-type: none"> -Decrease the setting temperature -Remove any obstacles -Provide repairment
The air conditioner switches are off constantly	<ul style="list-style-type: none"> -Malfunction 	<ul style="list-style-type: none"> -Turn off the appliance remove the plug and contact the service center
The air conditioner works but it does not cool the room	<ul style="list-style-type: none"> -There is a window opened -There is a source of heat operating in the room (burner, lamp, etc.), or the room is crowded -The air filter is clogged -The capacity of the air conditioner is not suitable for the conditions or size of the room -The evaporator is frozen 	<ul style="list-style-type: none"> -Close the window -Remove/switch off the source of heat -Decrease the set temperature -Clean the filter -Clean the air filter -Change the purifier filter, if necessary -Do not make the appliance operating at too low temperature(below22°C)
The appliance is very noisy and vibrates violently	<ul style="list-style-type: none"> -The compressor blocking device has been loosen or the copper pipe is getting in touch with the body of the set 	<ul style="list-style-type: none"> -Provide repairment

Operation of PAC-10000DB(10000 B.T.U.) ● Easy operation

● NAME OF THE PARTS



● Operation Symbols : Operation procedure

Air conditioning

1. Make sure power cord is properly connected. (Standby)
2. Press " On / Off " key .
3. Setup function key to " air conditioning " if necessary.
4. Select proper fan speed by actual situation if necessary.

Fan mode

1. Make sure power cord is properly connected. (Standby)
2. Press " On / Off " key.
3. Setup function key to " Fan "
4. Select proper fan speed by actual situation.

Operation procedure for auto switch on/off

- A. Auto switch off
 - 1) To be operated in cooling or fan mode.
 - 2) Press " Auto on / off " key for machine's stopping operation after 1,2,3,.....,12 hours .
- B. Auto switch on
 - 1) Be sure that machine is in standby mode. (power cord is securely plugged)
 - 2) Press " Auto on / off " key for machine's starting operation after 1,2,3,.....,12 hours.

TECHNICAL SPECIFICATIONS

AIR CONDITIONER

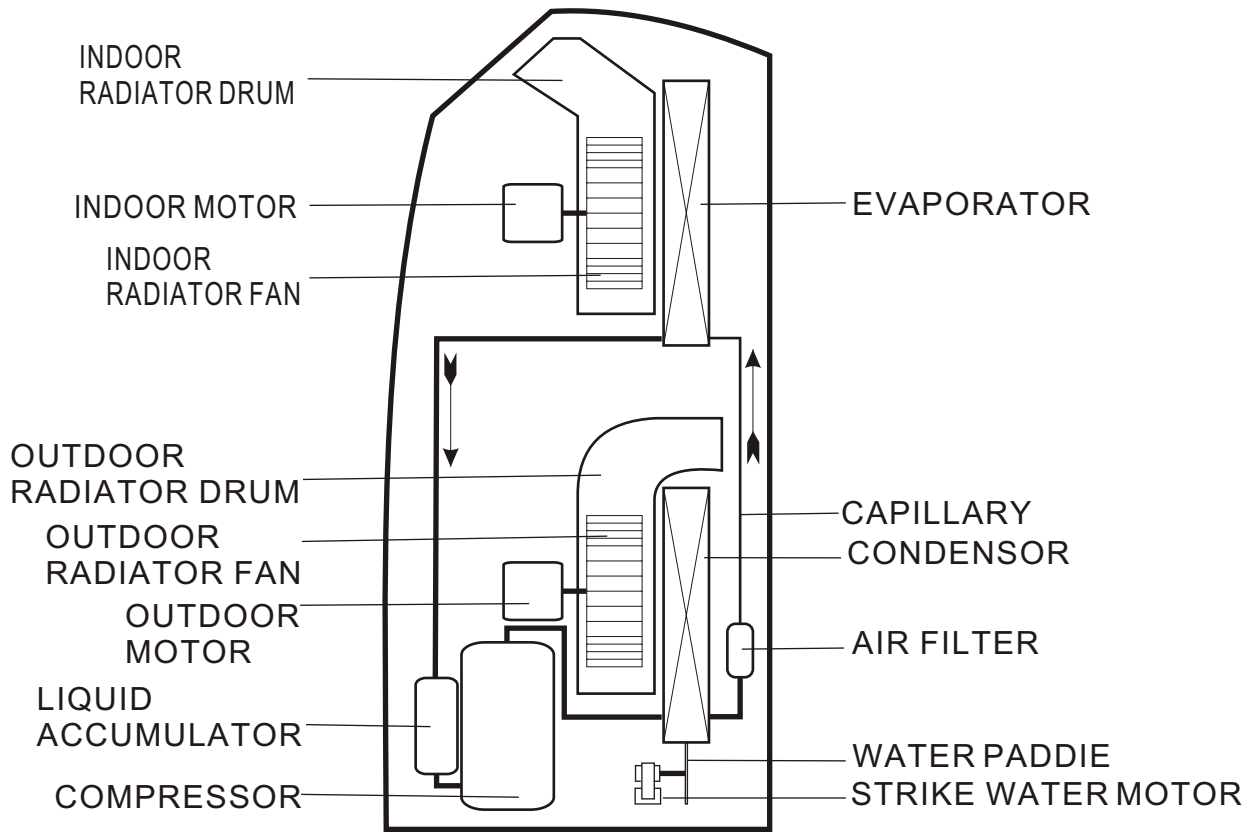
ITEM		UNIT	PAC-10000DB
OUTER DIMENSION		mm	524W*897H*347D
REFERENTIAL USING AREA		m ²	13~19
RATED VOLTAGE		V/Hz	220~240/50
RUNNING VOLTAGE		V	198~264
COOLING CAPACITY		B.T.U.	10000
DEHUMIDIFYING CAPACITY		L/H	1.8
RUNNING CURRENT		A	4.71
POWER CONSUMPTION		W	1035
INDOOR AIR VOLUME		m ³ /hr	420
COMPRESSOR	MODEL		KETC154ELBABA
	INPUT POWER	W	950~975
	OPERATING CYCLE	uF/V	25/450
	PROTECTOR		MRA90255-9079
	LOCKED ROTOR AMPS	A	16.5
INDOOR MOTOR	MODEL		WTC-13G
	OUTPUT POWER	W	30
	OPERATING CYCLE	uF/V	1/400
OUTDOOR MOTOR	MODEL		WTC-43G
	OUTPUT POWER	W	43
	OPERATING CYCLE	uF/V	1.5/450
TURBINE FAN MOTOR	MODEL		WA90S2
	OUTPUT POWER	W	12
CAPILLARY		mm	2.6(O.D.)*1.4(I.D.)*950(L)
EVAPORATOR			2R11S17FPI
CONDENSER			2R13S16FPI
REFRIGERANT		R22/g	440
APPLICABLE AMBIENT TEMPERATURE		°C	18~35
WEIGHT		Kg	32

TECHNICAL SPECIFICATIONS

AIR CONDITIONER

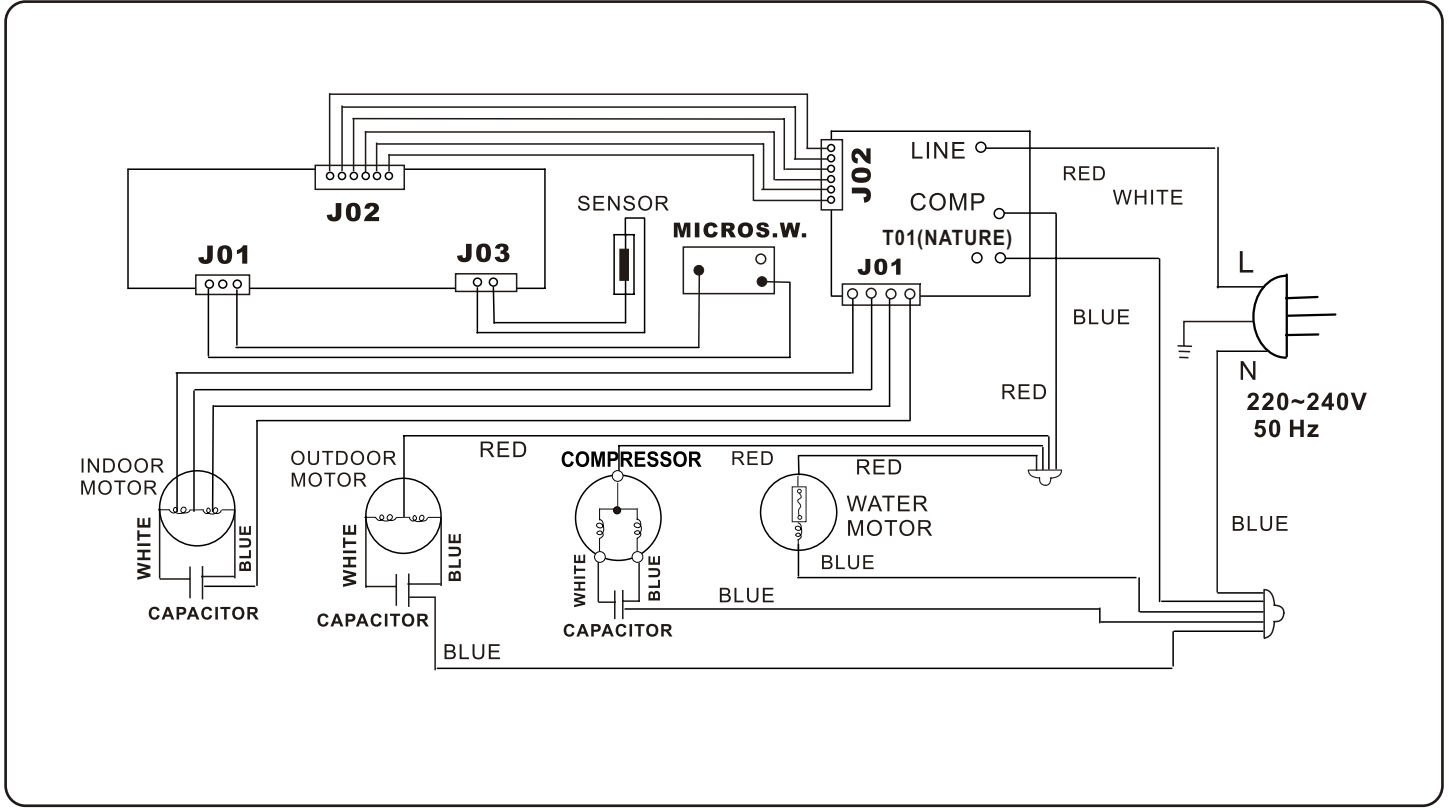
ITEM		UNIT	PAC-10000DB
OUTER DIMENSION		mm	460W*780H*320D
REFERENTIAL USING AREA		m ²	13~19
RATED VOLTAGE		V/Hz	220~240/50
RUNNING VOLTAGE		V	207~253
COOLING CAPACITY		B.T.U.	9000
DEHUMIDIFYING CAPACITY		L/H	1.6
RUNNING CURRENT		A	5.0
POWER CONSUMPTION		W	900
INDOOR AIR VOLUME		m ³ /hr	320
COMPRESSOR	MODEL		NK134PL12C
	INPUT POWER	W	738/762
	OPERATING CYCLE	uF/V	25/370
	PROTECTOR		MRA12012-12026
	LOCKED ROTOR AMPS	A	19
INDOOR MOTOR	MODEL		WTC-13G
	OUTPUT POWER	W	30
	OPERATING CYCLE	uF/V	1/400
OUTDOOR MOTOR	MODEL		WTC-43G
	OUTPUT POWER	W	43
	OPERATING CYCLE	uF/V	1.5/450
TURBINE FAN MOTOR	MODEL		WA90S2
	OUTPUT POWER	W	12
CAPILLARY		mm	2.6(O.D.)*1.4(I.D.)*600(L)
EVAPORATOR			2R11S17FPI
CONDENSER			2R13S16FPI
REFRIGERANT		R407c/g	440
APPLICABLE AMBIENT TEMPERATURE		°C	18~35
WEIGHT		Kg	32

REFRIGERATOR SYSTEM DIAGRAM



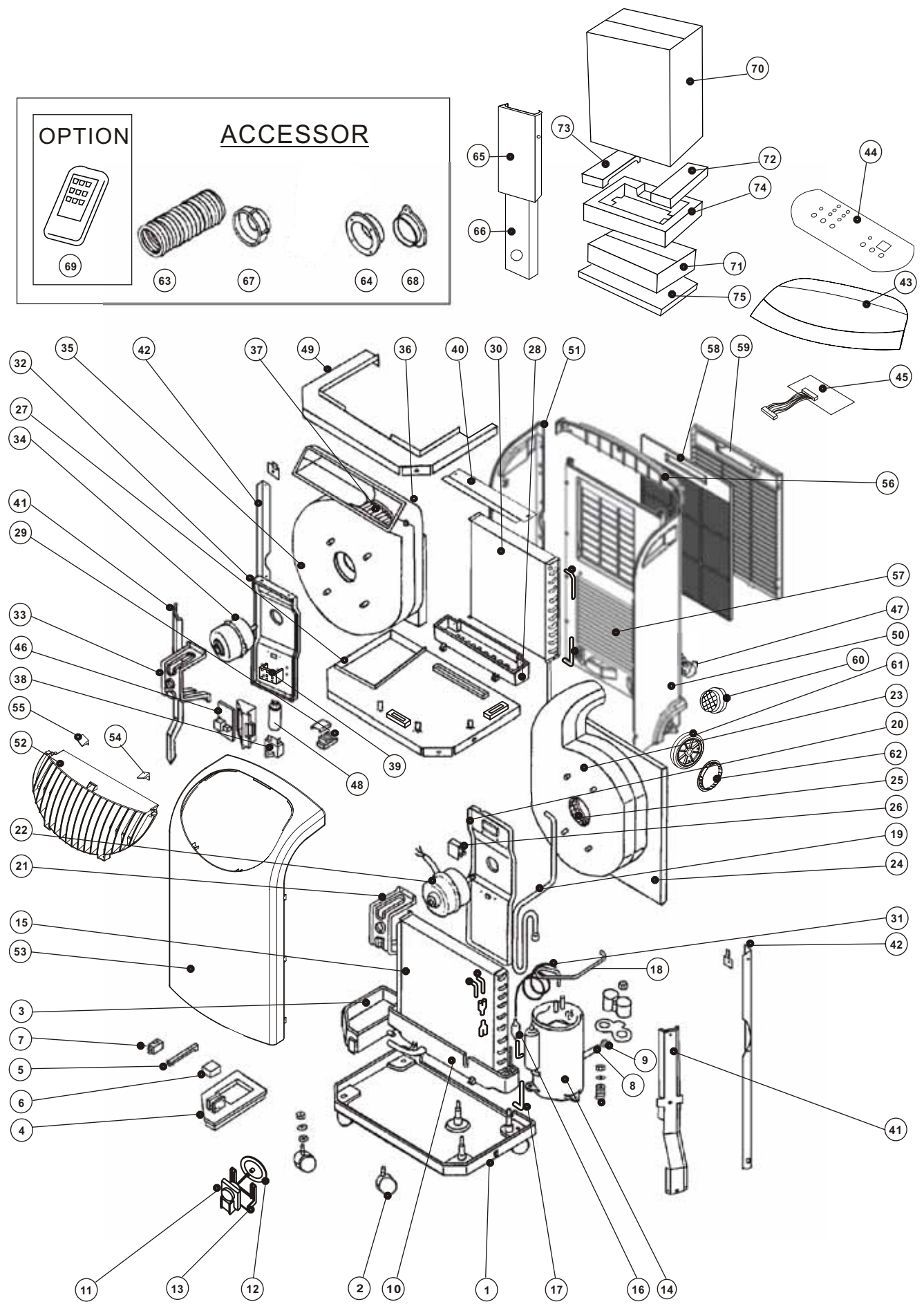
SCHEMATIC WIRING DIAGRAM

PAC-1000DB



OPTION **ACCESSOR**

69 63 67 64 68



PARTS LIST

NO	MATERIAL CODE	PARTS NAME	QUANTITY	PRICE
1	A4802-010	BASE PAN ASS'Y	1	
2	A7402-010	TURING WHEEL	2	
3	A5401-010-A-11	DRAIN BUCKET	1	
4	A5408-010-H-11	DRAIN BUCKET COVER	1	
5	A5410-010-A-11	RENK	1	
6	A5404-010	FLOAT	1	
7	A2506-020	MICRO SWITCH	1	
8	V02P11-100	DRAINAGE PIPE	1	
9	A7307-010	SOFT CAP	1	
10	A5001-070-A-11	DRAINAGE PAN	1	
11	A3000-430	FAN MOTOR	1	
12	A5311-030-A-22	BLADE	1	
13	A5802-410	STRIKE	1	
14	A3202-080	COMPRESSOR ASS'Y	1	
15	A3404-140	CONDENSER	1	
16	A3408-010	STRAINER COMPLETE	1	
17	A6202-010	SERVICE TUBE	1	
18	A6208-390	DISCHARGE PIPE	1	
19	A6227-510	SUCTION PIPE	1	
20	A5802-070	STRIKE	1	
21	A5802-080	STRIKE	1	
22	A3000-360	FAN MOTOR	1	
23	A5301-070-A-22	FAN CASING	1	
24	A5301-090-A-22	FAN CASING	1	
25	A5304-050-A-22	BLOWER WHEEL	1	
26	A2509-320	CAPACITOR	1	
27	A5700-010	PLATE	1	
28	A5001-110-P-22	DRAINAGE PAN	1	
29	A2525-010	TERMINAL BLOCK	1	
30	A3400-130	EVAPORATOR	1	
31	A6204-220	CAPILLARY TUBE	1	
32	A5802-030	STRIKE	1	
33	A5802-040	STRIKE	1	
34	A3000-330	FAN MOTOR	1	
35	A5301-110-A-22	FAN CASING	1	

PARTS LIST

NO	MATERIAL CODE	PARTS NAME	QUANTITY	PRICE
36	A5301-130-A-22	FAN CASING	1	
37	A5304-070-A-22	BLOWER WHEEL	1	
38	A2509-060	CAPACITOR	1	
39	A2525-020	TERMINAL BLOCK	1	
40	A5900-010	TOP BOARD	1	
41	A5802-020	STRIKE	2	
42	A5802-010	STRIKE	2	
43	A4254-150-A-BS	CONTROL PLATE	1	
44	A6931-190-Z	CONTROL PANEL	1	
45	A2520-120	PC BOARD	1	
46	A2516-160	CONTROL BOARD	1	
47	A3700-200	POWER SUPPLY CORD COMPLETE	1	
48	A2509-080	CAPACITOR	1	
49	A5700-020	PLATE	1	
50	A4211-130-A-BS	SIDE PLATE	1	
51	A4211-150-A-BS	SIDE PLATE	1	
52	A4238-090-A-BS	DISCHARGE GRILLE	1	
53	A4201-130-A-BS	FRONT PANEL	1	
54	A6102-050-A-BS	SCREW TOP COVER	1	
55	A6102-070-A-BS	SCREW TOP COVER	1	
56	A5805-030-A-BS	FIX TURE	1	
57	A4219-130-A-BS	REAR COVER	1	
58	A7301-070-A-BS	AIR FILTER	1	
59	A7315-010-A-BS	FILTER FRAME	1	
60	A6101-090-A-BS	CAP	1	
61	A7402-030	TURING WHEEL	2	
62	A4206-110-A-BS	TOP COVER PLATE	2	
63	A6200-010	HEATEXHAUST HOSE CONNECTOR	1	
64	A5812-010-H-BS	FIX TURE	1	
65	A5700-100	PLATE	1	
66	A5700-110	PLATE	1	
67	A5815-050-A-BS	FIX TURE	1	
68	A6101-010-H-BS	CAP	1	
69	A2529-080	REMOTE CONTROL	1	
70	A7010-090	CARTON	1	

