

|||||
SERVICE MANUAL

sinclair
MULTI - SPLIT TYPE
SLIM



ASHC-07x2CS+12CS

ASHC-07x4CS

Slim Series

Table 3-2

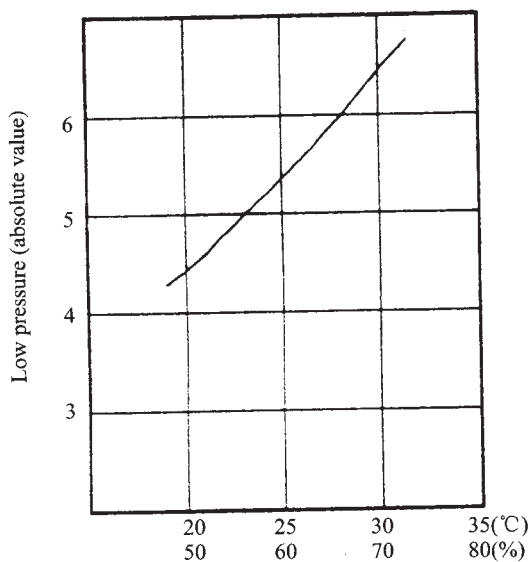
Model			ASHC - 07X4CS	ASHC - 07X2 + 12CS
Function			Cooling	Cooling
Power supply			1Ph 220-230V 50Hz	
Capacity(W)			1800X4	3200+1800X2
Rated input(W)			1450X2	1450X2
Rated current(A)			5.87X2	5.87X2
Air flow(m ³ /h)			450	
Dehumidifying volume(L/h)			1.2X4	1.2X2+1.4
EER(W/W)			2.7	2.5
Indoor unit	Model		ASHC - 07X4CS	ASHC07X2+12CS(07) ASHC07X2+12CS(12)
	Motor fan speed(rpm)		1200/1100/1000	
	Output power(W)		13	
	Fan type/piece		Cross flow fan-1	
	Diameter-length		φ 97mm-583	
	Evaporator		Aluminum fin-copper tube	
	Row-fin distance(mm)		2-1.4	
	Working area(m ²)		0.14	
	Swing motor		MP24GA	
	Input/speed(W)		2	
	Fuse(A)		Controller3.15A transformer0.2A	
	Working capacitor(μF)		1	
	Noise(dB(A))		≤ 39	
	Dimension(width-height-depth)(mm)		770-250-180	
	Net weight(Kg)		8.5	
Outdoor unit	Model		ASHC-07X4CS	ASHC-07X2+12CS
	Input power(W)		2780	2810
	Current(A)		5.72X2	5.72X2
	L.R.A.(A)		31	
	Throttling method		Capillary	
	Compressor model		Rotary	
	Compressor		C-RV237H01AA	
	Starting method		Capacitor starting	
	Working temp.		≤ 115℃	
	Condenser		Aluminum fin-copper tube	
	Pipe-diameter		9.52	
	Row-fin distance(mm)		2X1.8	
	Working area(m ²)		0.59	
	Fan motor power(W)/speed(rpm)		60/780	
	Type-piece		Axial fan-1	
	Diameter(mm)		450	
	Defrosting method		Auto defrost	
	Noise(dB(A))		58	
	Dimension(width-height-depth)(mm)		950 × 840 × 412	
	Net weight(Kg)		71	
	Refrigerant charge(Kg)		R407C/1.27X2	R407C/1.27X2
Connecting pipe	Length(m)		4	
	Outer diameter of connecting pipe	Liquid pipe(mm)	6 (1/4")	
		Gas pipe(mm)	9.52 (3/8")	
	Max distance	Height(m)	5	
		Length(m)	10	

The technical data are subject to change without notice .Please refer to the nameplate of the unit.

3.3 Performance curves

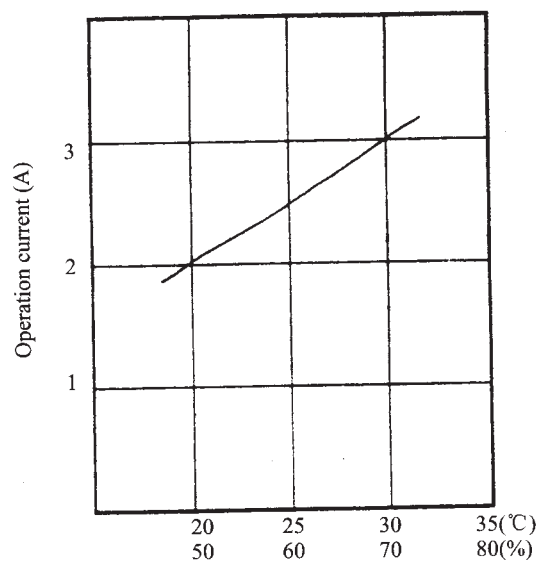
- Technical data
- Performance curve as fig1 fig2
- The change relation between low pressure , operation current and temp.

Cooling operation condition :In testing , indoor and outdoor have same work condition.



Dry bulb temp. / humidity

(a)

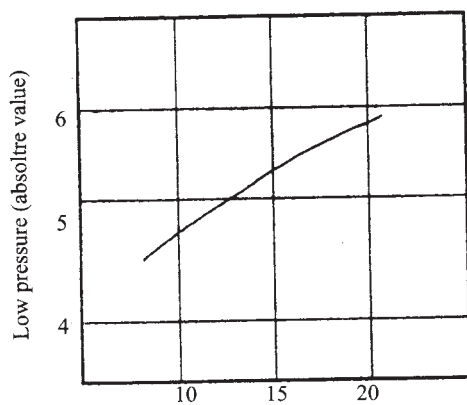


Dry bulb temp. / humidity

(b)

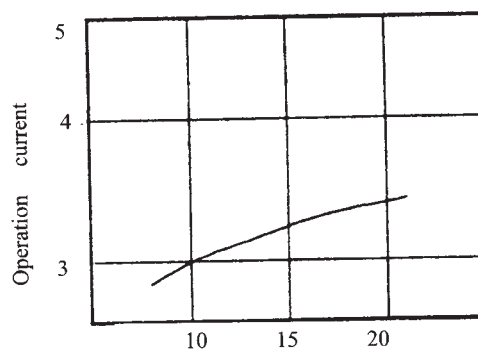
Heating operation

Indoor work condition : dry bulb temp. 21 ,wet bulb temp. 15.5



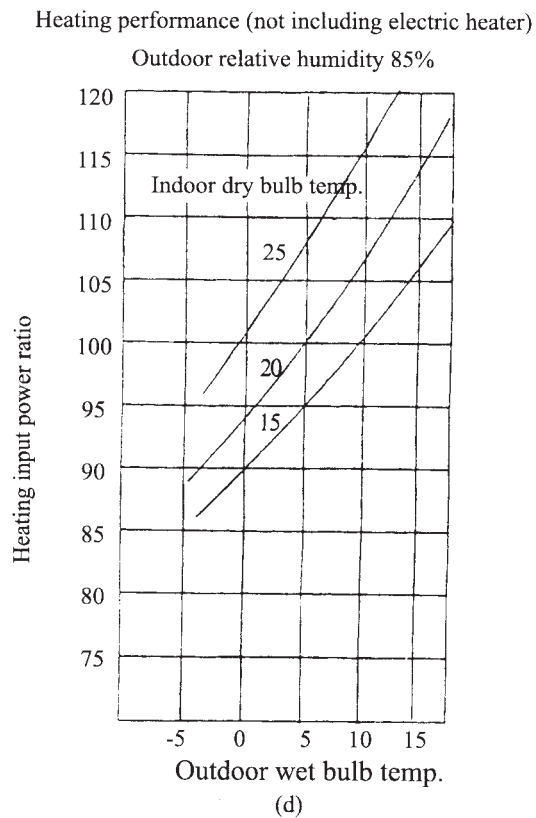
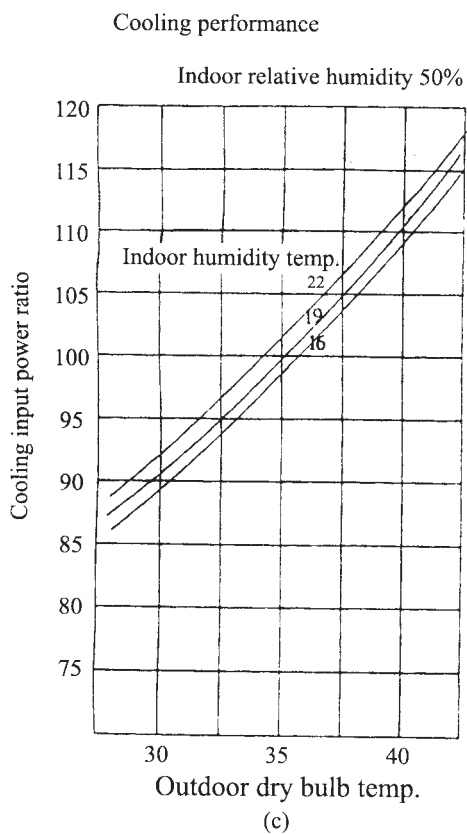
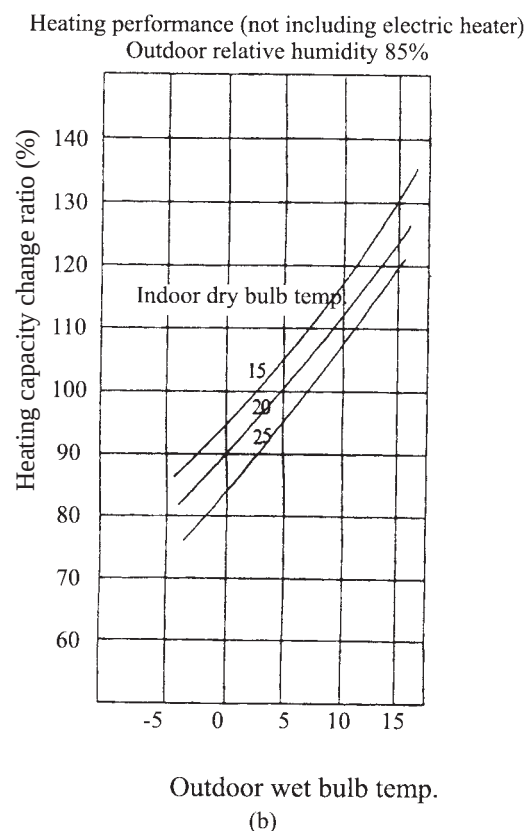
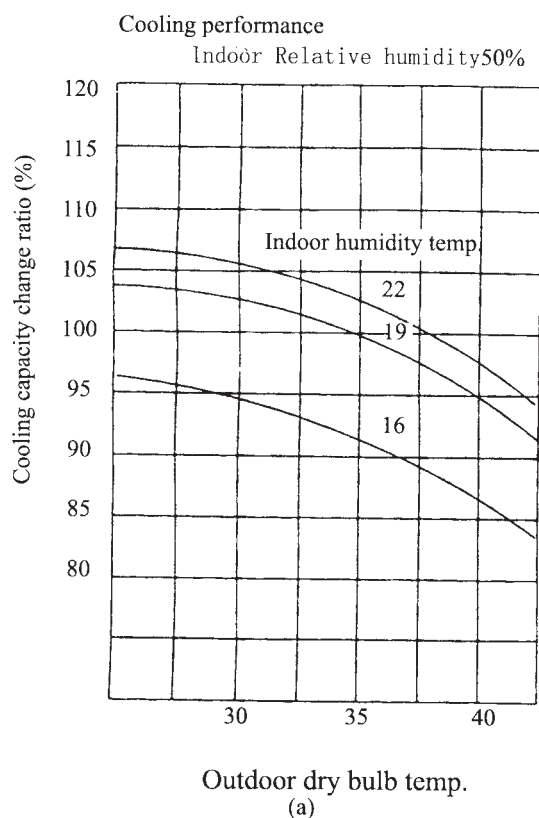
Outdoor dry bulb temp.

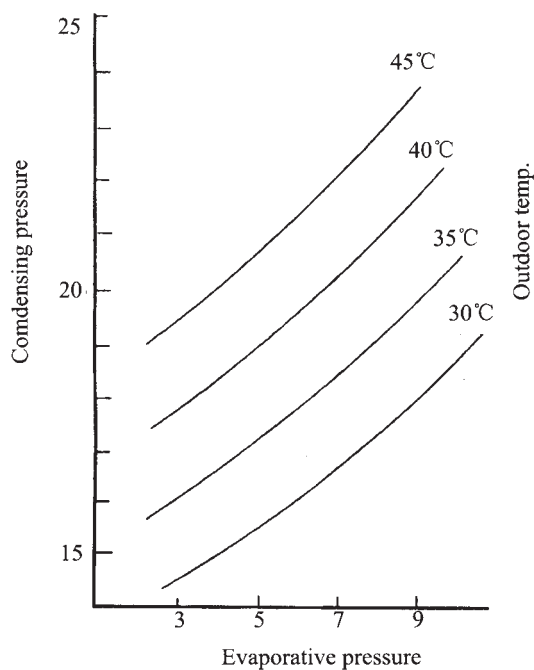
(c)



Outdoor dry bulb temp.

(d)

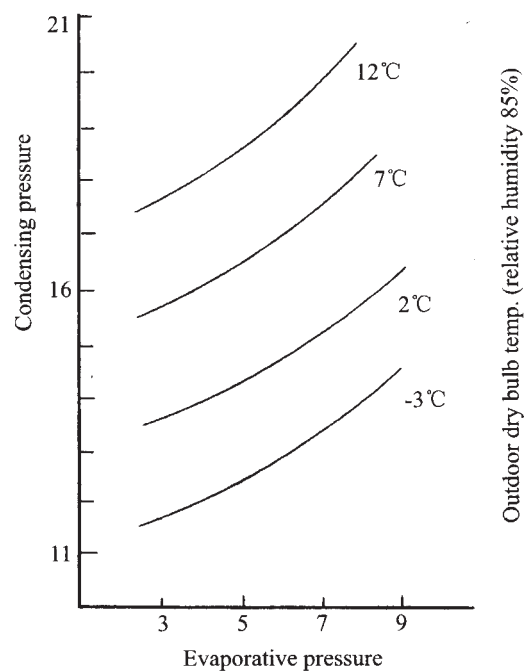




The affection to the charging quantity by pressure under cooling work condition.

(Indoor work condition: dry bulb 27°C, wet bulb 19.5°C)

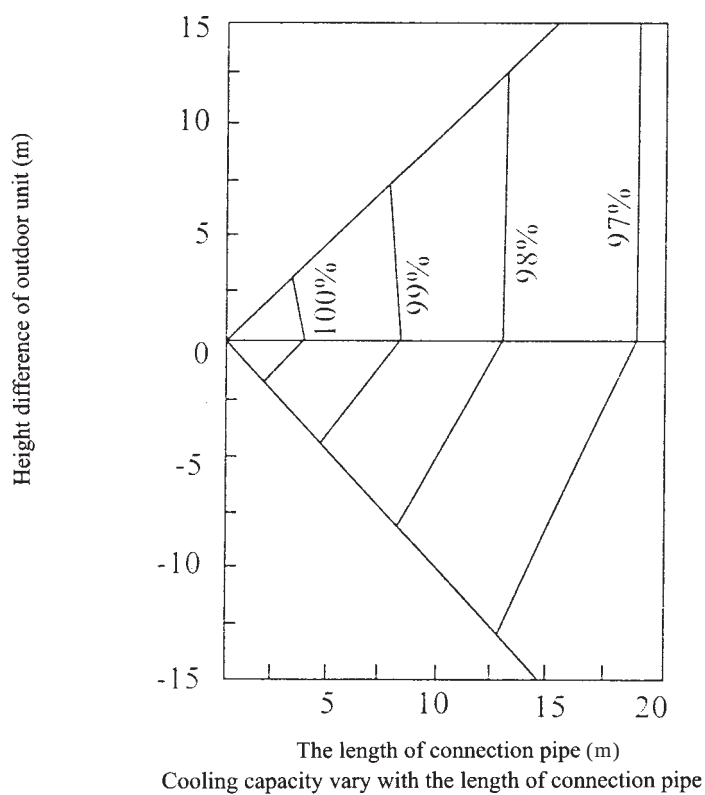
(e)



The affection to the charging quantity by pressure under heating work condition.

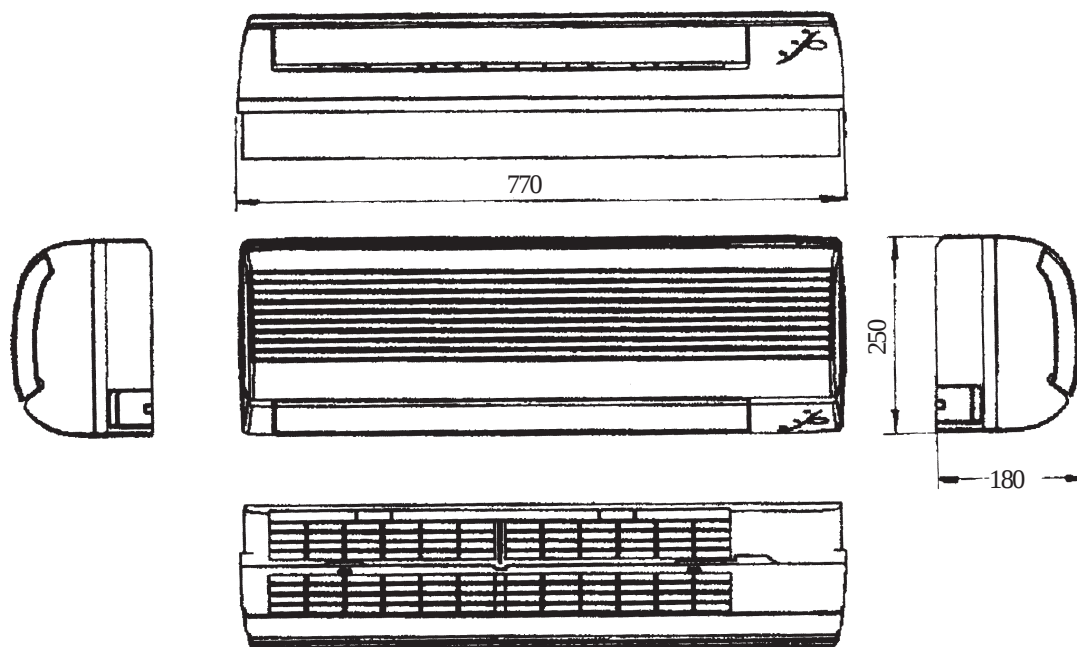
(Indoor work condition: dry bulb 21°C)

(f)

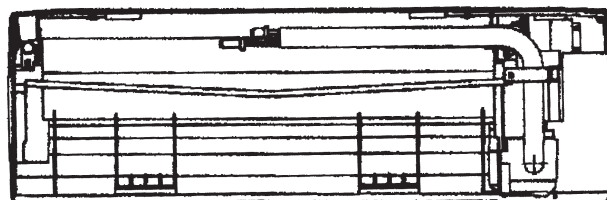


Cooling capacity vary with the length of connection pipe

3.4 Outlines and dimensions of indoor unit

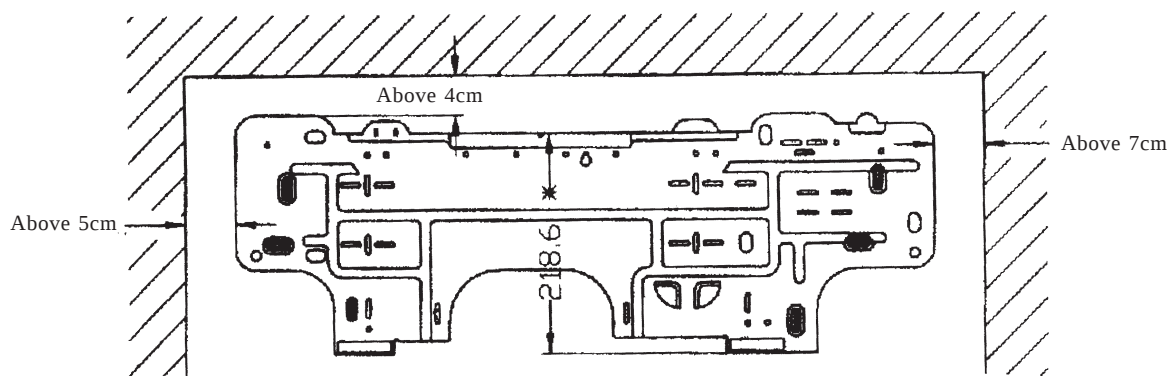


Back view



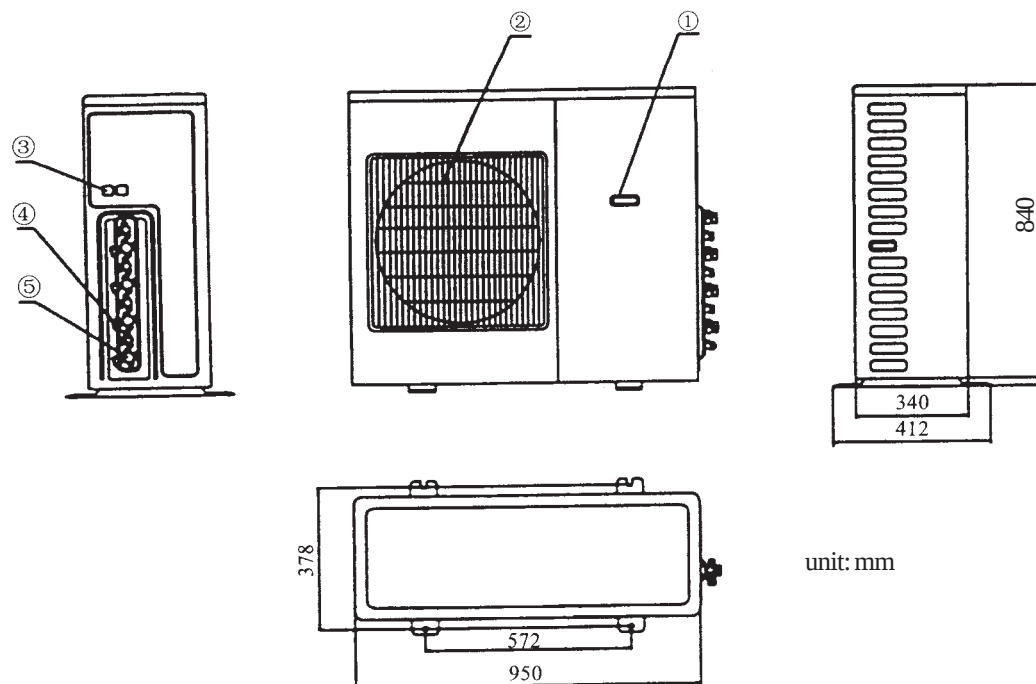
Unit:mm

Ceiling

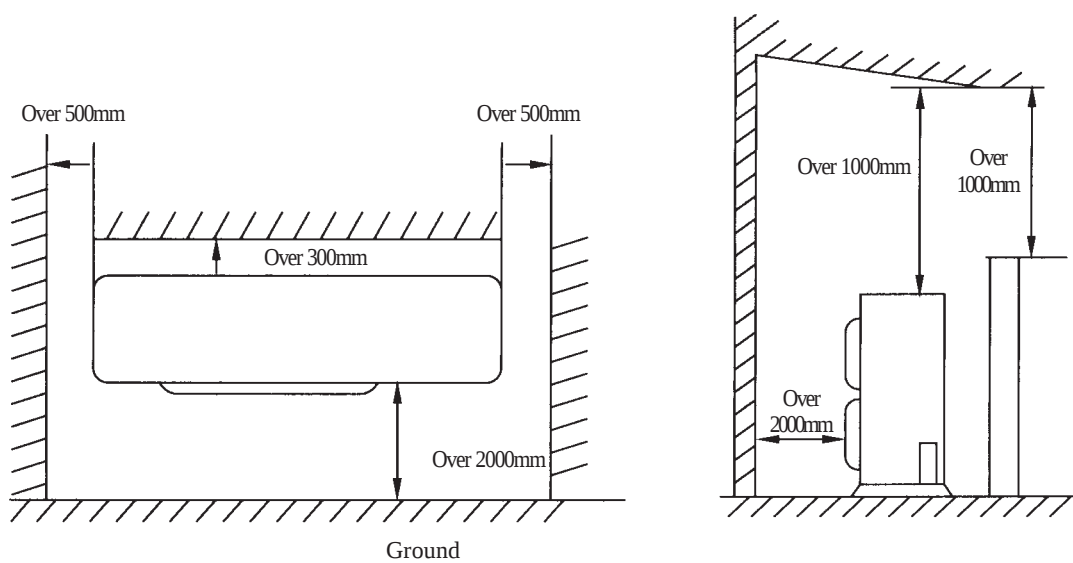


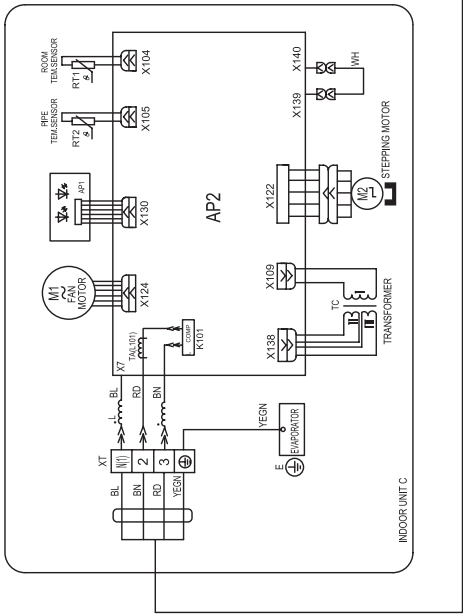
Wall-mounted frame

3.5 Outlines and dimensions of outdoor unit

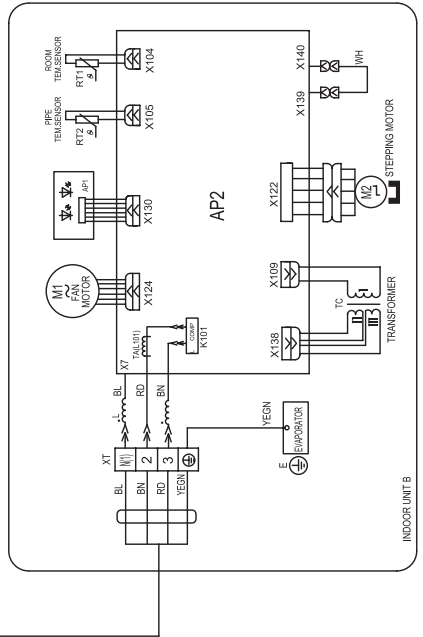


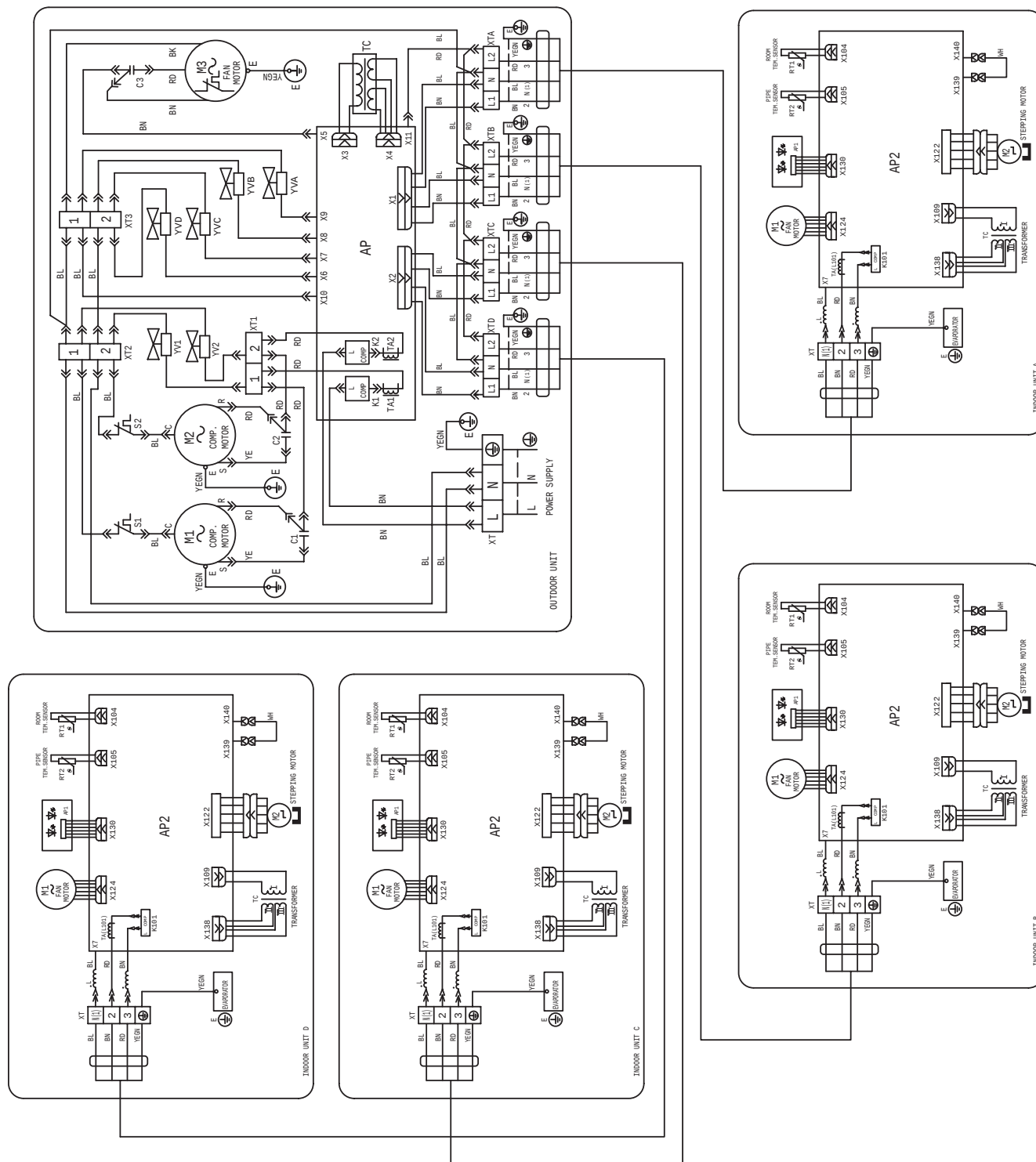
- ① Handle ② Front panel ③ Wire hole ④ Liquid valve assy ⑤ Gas valve assy





ASHC-07X2+12CS





ASHC-07X4CS

3.9 PCB function manual

5 in 1 PCB function manual

A. running mode

1. cooling 2. dehumidifying 3. heating 4. fan 5. auto

B. input parameters

1. indoor ambient temp. T_{in}
2. evaporator tube temp. T_{eva}
3. setting temp. T_{set}
4. condenser tube temp. T_{con}

C. targets

1. indoor motor (PG motor)
2. swing motor
3. outdoor motor
4. compressor
5. four-way reversing valve
6. electric heater
7. fresh motor

D. fundamental functions

1. cooling mode

(1) the running conditions and control measures

- a. If $T_{in} \geq T_{set} + 1^{\circ}\text{C}$, the machine runs at the cooling mode. Compressor runs, outdoor motor runs, indoor fan runs at the set fan speed.
- b. If $T_{in} \leq T_{set} - 1^{\circ}\text{C}$, the machine stops. Compressor stops first, outdoor motor stops after 15 seconds.
- c. If $T_{set} - 1^{\circ}\text{C} < T_{in} < T_{set} + 1^{\circ}\text{C}$, keep the previous state.

(2) In this mode, the reversing valve is inactive, the temp. setting range is from 16~30°C.

(3) protect function

a. anti-freezing function

If the compressor has run 6 minutes, and detect $T_{eva} < 0^{\circ}\text{C}$ for continuous 3 minutes, then the compressor, outdoor fan stop, indoor fan runs at the set fan speed. After 3 minutes later, it will run at the original state if $T_{eva} \geq 10^{\circ}\text{C}$.

b. compressor protection

Compressor's starting interval should be more than 3 minutes no matter in whatever modes and conditions.

c. overload protection

If it detects the system current surpass the designed 13 A for continuous 3 minutes, the machine goes into fan mode only, when 3 minutes passes and it detects the current no more than 13 A, it will be back to original state. If it detects overloading states for 3 consecutive times within 30 minutes, the machine stops, and it must be restarted by remote controller.

2. dehumidifying mode

(1) the working conditions and control measures

- If $T_{in} > T_{set} + 2^{\circ}\text{C}$, it is in cooling running, the indoor motor speed can be selected, and outdoor motor runs at low speed.
- If $T_{set} - 2^{\circ}\text{C} \leq T_{in} \leq T_{set} + 2^{\circ}\text{C}$, it goes into dehumidifying running, the indoor motor run at low speed, 6 minutes later the compressor and the outdoor fan stop, another 30 seconds later the indoor fan stops, 3 and a half minutes later, compressor and outdoor fan run again, indoor motor runs at low speed, then the machine cycles the above procedures repeatedly.
- If $T_{in} < T_{set} - 2^{\circ}\text{C}$, compressor, outdoor motor and indoor motor stop.

(2) In this mode, the reversing valve is inactive, the temp. setting range is 16~30°C.

(3) anti-freezing protection

If $T_{in} > T_{set} + 2^{\circ}\text{C}$, it goes into cooling running, anti-freezing function is the same with cooling mode, but the compressor must stop for 4 minutes. when it goes into dehumidifying mode, compressor runs 6 minutes, if it detects $T_{eva} < 0^{\circ}\text{C}$, compressor and outdoor motor stop, indoor motor runs at low speed, after 3 minutes delayed, and $T_{eva} \geq 10^{\circ}\text{C}$, it will be back to its original state.

3. heating mode

(1) the working conditions and control measures

- If $T_{in} \leq T_{set} + 2^{\circ}\text{C} + T_{add}$, it goes into heating mode, reversing valve, compressor and outdoor motor all work in the same time, indoor fan will run at the same procedures with anti cool air function.
- If $T_{in} \geq T_{set} + 4^{\circ}\text{C} + T_{add}$, compressor stops first, 15 seconds later, outdoor motor stops, but reversing valve keeps working, indoor motor runs at the procedures of blowing surplus heat.
- If $T_{set} + 2^{\circ}\text{C} + T_{add} < T_{in} < T_{set} + 4^{\circ}\text{C} + T_{add}$, keep the previous running state. ($T_{add} = 1^{\circ}\text{C}$ or 0°C , it can be selected)

(2) In this mode, the temperature setting range is 16~30°C.

(3) the working conditions of auxiliary electric heater

In heating mode, when compressor is working, indoor motor runs at high speed and middle speed. If it detects $T_{eva} < 50^{\circ}\text{C}$ for continuous 8 seconds and $T_{in} \leq 25^{\circ}\text{C}$, electric heater will work, if compressor stops or indoor motor runs at low speed or $T_{eva} \geq 54^{\circ}\text{C}$ or $T_{in} \geq 28^{\circ}\text{C}$ or 10 seconds before defrosting, the electric heater will stop.

(4) protections

a. anti cool air

When the compressor starts, if $T_{eva} \geq 41^{\circ}\text{C}$ or the indoor fan runs after 20 seconds delayed, swing motor will run at the set speed.

b. anti high temp.

In heating mode, if it detects $T_{eva} \geq 56^{\circ}\text{C}$ (58°C can be selected), outdoor motor will stop. If $T_{eva} \leq 53^{\circ}\text{C}$, outdoor motor will be back running.

c. blowing surplus heat

In heating mode, when set temp is reached, the compressor stops first, 15 seconds later outdoor fan stops, the indoor motor blows 30 seconds (60 seconds can be selected) at low speed.

d. Compressor's protection is the same with the one in cooling mode.

e. overload protection

If it detects that the system current surpassed the designed 13 A for continuous 3 seconds, compressor, electric heater and outdoor motor stop, indoor motor runs the same procedures as the blowing surplus heat condition. After 3 minutes and current no more than 13 A, the machine will be back to its original state, indoor motor runs as the anti cool air condition. If it detects overloading state for 3 consecutive times within 30 minutes, the machine stops, and it must be restarted by remote controller.

f. defrosting conditions and procedures

In heating mode, if compressor has run 44 minutes (in its first 6 minutes it will not detect defrosting temp.), and it has detected $T_{con} \leq -4^{\circ}\text{C}$ for continuous 1 minute, it begins to defrost, electric heater will stop for 10 seconds (even if electric heater is not working), then indoor motor stops, reversing valve becomes inactive in another 2 seconds. Another 2 seconds later, outdoor motor stops, when $T_{con} \geq 10^{\circ}\text{C}$ or defrosting lasts for 10 minutes, outdoor motor and reversing valve become active, indoor motor will run as the anti cool air condition, then it cycles again, recalculates the compressor's running time again. (In this period, if any protection works, and after the machine is back to work, it will re-start defrosting state. it will not detect outdoor tube temp when compressor's in its first 6 minutes running)

g. noise lowering protection

When you use RUN/STOP button to switch off the machine, reversing valve will become inactive in 2 minutes.

4. fan mode

The light is on when it runs.

5. AUTO mode

(1) In AUTO mode, standard cooling $T_{set}=25^{\circ}\text{C}$, standard heating $T_{set}=20^{\circ}\text{C}$

(2) working procedures

- If $T_{in} \geq T_{set} + 1^{\circ}\text{C}$, select cooling mode, from this time, the set temp. is 25°C . If $T_{in} \leq T_{set} - 1^{\circ}\text{C}$, compressor and outdoor motor stop, indoor motor runs at the set speed. If $T_{set} - 1^{\circ}\text{C} < T_{in} < T_{set} + 1^{\circ}\text{C}$, keep the original state.
- If $T_{in} \leq T_{set} + 2^{\circ}\text{C}$, select heating mode, from this time, the set temp. is 20°C . If $T_{in} \geq T_{set} + 4^{\circ}\text{C}$, compressor stops first, outdoor motor stops 15 seconds later, reversing valve is always active, indoor motor runs as the blowing surplus heat condition. If $T_{set} + 2^{\circ}\text{C} \leq T_{in} < T_{set} + 4^{\circ}\text{C}$, keeps the original state.

Cooling & heating AUTO mode: in AUTO mode, when the machine is switched from heating mode to the other modes, reversing valve becomes inactive in 90 seconds.

Cooling only AUTO mode: there is no heating function in this mode.

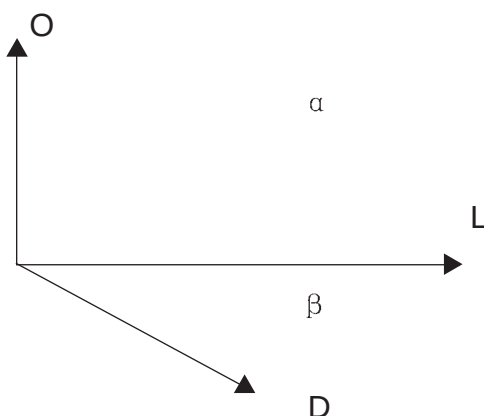
(3) protections

It is same as the one in cooling or heating mode.

E. other controls

1. SWING mode

Refer to the figure below:



2. beeper

- When PCB becomes active or receives the signal from the remote controller , the beeper will beep.
- If the rmostat is open-circuited or short-circuited, when you press the TEST button, the beeper will alarm at the frequency 2Hz.

3. indication lamps

It flashes when defrosting begin.

4. multi-step switch

- If the switch is in AUTO position, the machine will run at the AUTO mode, if there is a signal from remote controller, it will run according to the signal .
- If the switch is in TEST position, the machine will run at the COOL mode, indoor motor will run at high speed , swing motor will run according to SWING mode. If there is a signal from remote controller, it will run according to the signal .if the thermostat is open-circuited or short-circuited , the beeper will alarm at the frequency 2Hz .
- If the switch is in RUN position , the machine will run according to the remote signal.
- If the switch is in STOP position, the machine will stop.

5. SLEEP mode

- In cooling or dehumidifying mode, 1 hour after you set the sleep timer , T_{set} will add 1°C automatically, another 1 hour, another 1°C will be added.
- In heating mode, 1 hour after you set the sleep timer, T_{set} will lower 1°C automatically, another

1 hour, another 1°C will be lowered .

6. Automatic fan speed

a. In cooling mode, if $T_{in} > T_{set} + 3^{\circ}\text{C}$

high speed

$T_{set} + 1^{\circ}\text{C} \leq T_{in} \leq T_{set} + 3^{\circ}\text{C}$

middle speed

$T_{in} < T_{set} + 1^{\circ}\text{C}$

low speed

b. In heating mode, if $T_{in} \leq T_{set} - 2^{\circ}\text{C}$

high speed

$T_{set} - 2^{\circ}\text{C} < T_{in} < T_{set}$

middle speed

$T_{in} \geq T_{set} + 2^{\circ}\text{C}$

low speed

F. Fresh air function

1. two fresh air modes

a. fresh air 2

Fresh air motor will work 1 hour, then rest 1 hour, then cycle again.

b. fresh air 1

Press the button AIR on the remote controller to select fresh air 1 function, the swing motor keeps running till you give a signal to change it.

G. Time function

1. Set time to turn on

When you set time the machine is inactive. If it reaches the time you have set, it will run as the previous settings. The time setting range is 0.5~24h.

2. Set time to turn off

When the machine is inactive you can set the time to be turned off. It will stop working when the time comes. The time setting range is 0.5~24h.

H. Memory function

After the power is cut suddenly, when it's restarted, it will run at the original state.



PARTS GUIDE

sinclair

MULTI - SPLIT TYPE SLIM

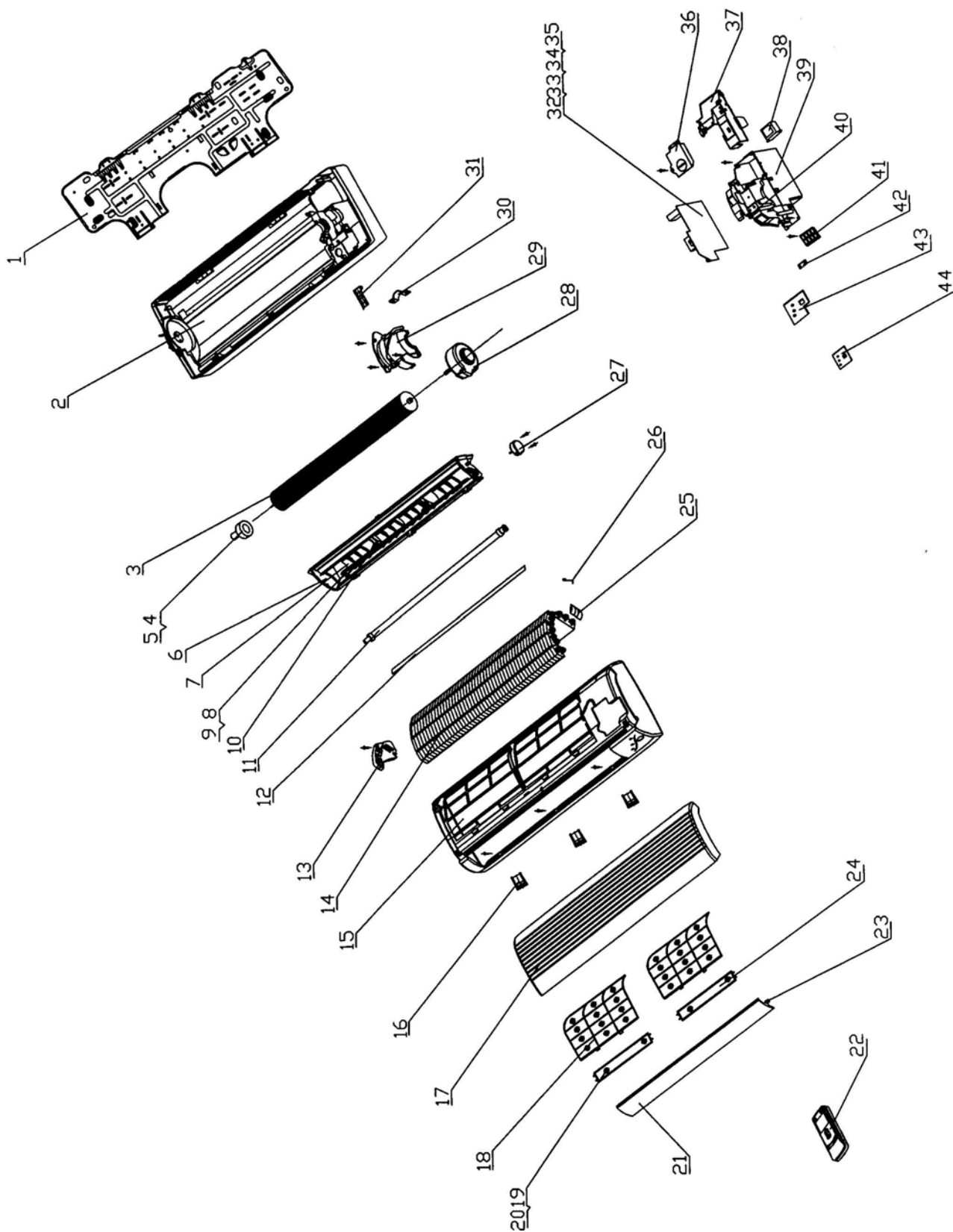


ASHC-07x2CS+12CS

ASHC-07x4CS

Explosive view and spare parts list of indoor unit

ASHC-07x2+12CS



No.	Description	Part Code	Updated		Qty	Price Rank
			Part code	Date		
ASHC-07x2+12CS - Indoor Unit 07						
1	Wall Mounting Frame	01252220			1	AK
2	Rear Case	22202001			1	AW
3	Cross Flow Fan	10352001			1	AM
4	Fan Bearing	76512210			1	AC
5	O-Gasket of Cross Fan Bearing	76512203			1	AC
6	Water Tray Assy	20182012			1	AM
7	Air Louver	10512002			12	AB
8	Swing Lever	10582002			1	AD
9	Swing Lever	10582003			1	AD
10	Manual Lever	10582001			2	AA
11	Drain Pipe	05232411			1	AD
12	Evaporator Gate	26112022			1	AG
13	Evaporator Support	24212016			1	AK
14	Evaporator Assy	10020151			1	BD
15	Front Case Assy	20002018			1	AU
16	Screw Cap	24252001			3	AB
17	Front Panel	20002001			1	AM
18	Filter	11122002			2	AD
19	Air Cleaner Holder	24222001			2	AC
20	Air Cleaner A	11012002			1	AE
21	Air Deflector	10512001			1	AF
22	Remote Control	30512506			1	AT
23	Axile Bush of Guide Louver	10542011			3	AB
24	Air Cleaner B	11012003			1	AE
25	Evaporator Pipe Cover	06122001			1	AA
26	Sensor Insert	42020063			1	AD
27	Stepping Motor	15212102			1	AF
28	Fan Motor	15012054			1	AU
29	Motor Press Plate	26112017			1	AG
30	Fixed Clamp	71010103			1	AB
31	Pipe Clamp	24242001			1	AD
32	Main Board	300557211			1	BD
33	Tube Sensor	390000594			1	AD
34	Ambient Temperature Sensor	390000453			1	AD
35	Protective Tube	46010014			1	AA
36	Electric Box Cover	01412007			1	AE
37	Electric Box Cover 1	20102084			1	AF
38	Transformer	43110233			1	AH
39	Electric Box	20102001			1	AK
40	Cable Clamp	70482001			1	AB
41	4-bit Terminal Board	42011233			1	AF
42	Wire Clip	42012401			1	AA
43	Indicator Light Support	24212005			1	AG
44	Receiver Board J	30046034			1	AL
45	Connecting Power Cable	40020413			1	AM
47	Connecting Cable	40020318			1	AN

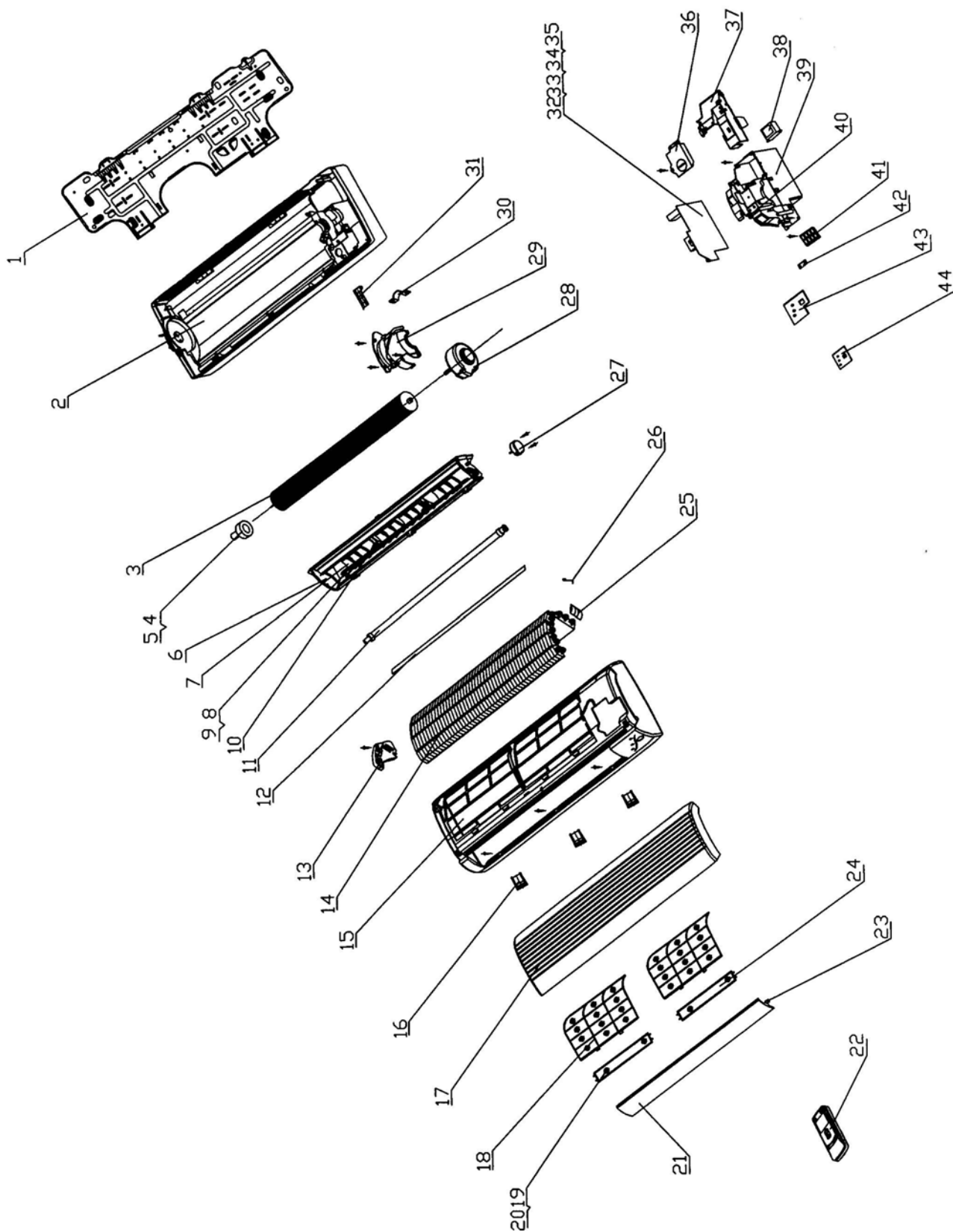
The data are subject to change without notice.

No.	Description	Part Code	Updated		Qty	Price Rank
			Part code	Date		
ASHC-07x2+12CS - Indoor Unit 12						
1	Wall Mounting Frame	01252220			1	AK
2	Rear Case	22202001			1	AW
3	Cross Flow Fan	10352001			1	AM
4	Fan Bearing	76512210			1	AC
5	O-Gasket of Cross Fan Bearing	76512203			1	AC
6	Water Tray Assy	20182012			1	AM
7	Air Louver	10512002			12	AB
8	Swing Lever	10582002			1	AD
9	Swing Lever	10582003			1	AD
10	Manual Lever	10582001			2	AA
11	Drain Pipe	05232411			1	AD
12	Evaporator Gate	26112022			1	AG
13	Evaporator Supporter	24212001			1	AK
14	Evaporator Assy	01002015			1	BD
15	Front Case Assy	20002018			1	AU
16	Screw Cap	24252001			3	AB
17	Front Panel	20002001			1	AM
18	Filter	11122002			2	AD
19	Air Cleaner Holder	24222001			2	AC
20	Air Cleaner A	11012002			1	AE
21	Air Deflector	10512001			1	AF
22	Remote Control	30512506			1	AT
23	Axile Bush of Guide Louver	10542011			3	AB
24	Air Cleaner B	11012003			1	AE
25	Evaporator Pipe Cover	06122001			1	AA
26	Sensor Insert	42020063			1	AD
27	Stepping Motor	15212102			1	AF
28	Fan Motor	15014003			1	AU
29	Motor Press Plate	26112017			1	AG
30	Fixed Clamp	71010103			1	AB
31	Pipe Clamp	24242001			1	AD
32	Main Board	30055208			1	BD
32	Receiver Board	30046019			1	AL
33	Tube Sensor	39000116			1	AD
34	Ambient Temperature Sensor	39000043			1	AD
35	Protective Tube	46010014			1	AA
36	Electric Box Cover	01412007			1	AE
37	Electric Box Cover 1	20102084			1	AF
38	Transformer	43110233			1	AH
39	Electric Box	20102001			1	AK
40	Cable Clamp	70482001			1	AB
41	4-bit Terminal Board	42011233			1	AF
42	Wire Clip	42012401			1	AA
43	Indicator Light Support	24212005			1	AG
44	Receiver Board	30046019			1	AL
45	Connecting Power Cable	40020413			1	AM
47	Connecting Cable	40020318			1	AN

The data are subject to change without notice.

Explosive view and spare parts list of indoor unit

ASHC-07x4CS

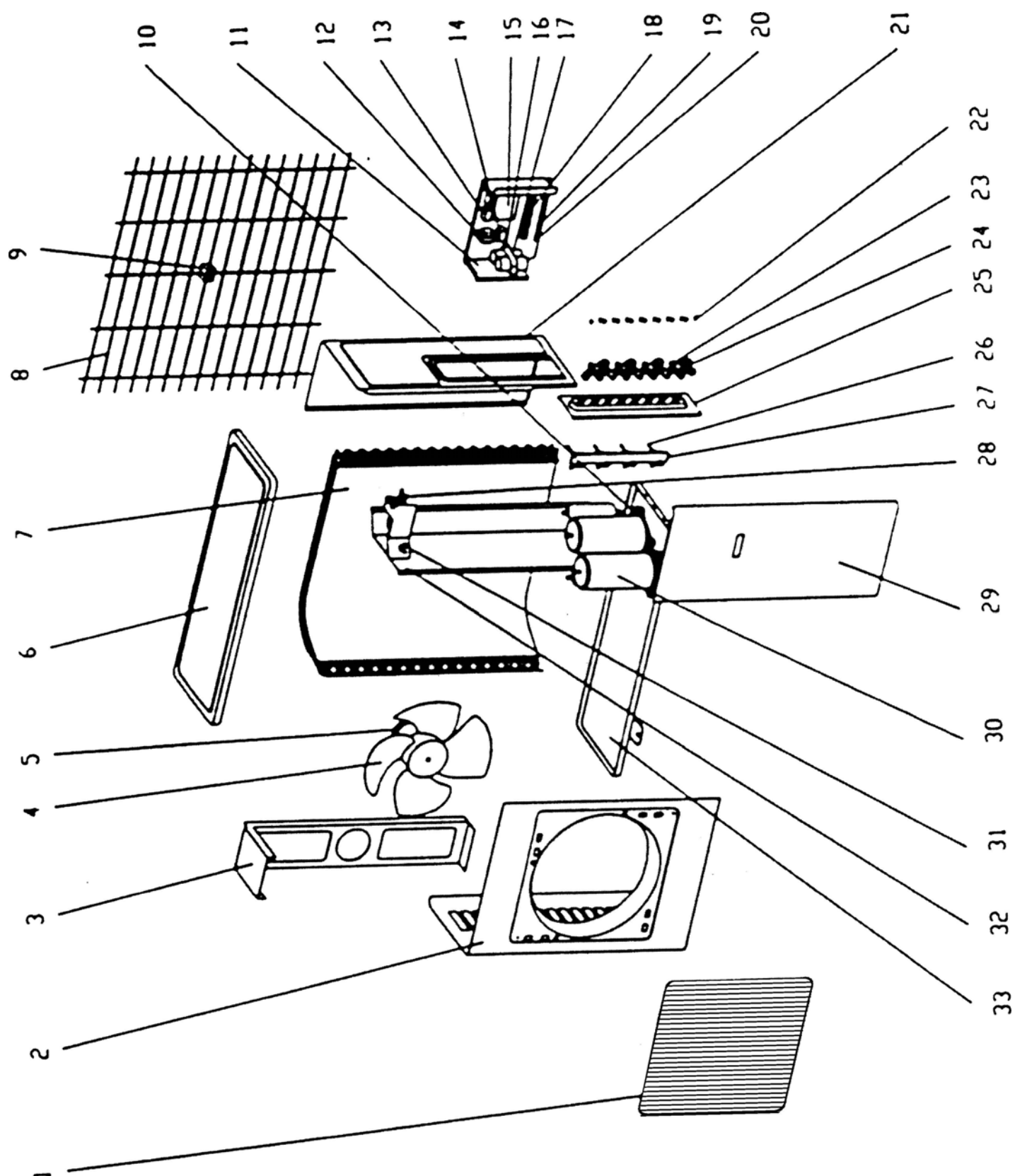


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			Part code	Date		
ASHC-07x4CS - Indoor Unit						
1	Wall Mounting Frame	01252220			1	AK
2	Rear Case	22202001			1	AW
3	Cross Flow Fan	10352001			1	AM
4	Fan Bearing	76512210			1	AC
5	O-Gasket of Cross Fan Bearing	76512203			1	AC
6	Water Tray Assy	20182012			1	AM
7	Air Louver	10512002			12	AB
8	Swing Lever	10582002			1	AD
9	Swing Lever	10582003			1	AD
10	Manual Lever	10582001			2	AA
11	Drain Pipe	05232411			1	AD
12	Evaporator Gate	26112022			1	AG
13	Evaporator Support	24212016	24212035	29.7.2005	1	AK
14	Evaporator Assy	10020151			1	BD
15	Front Case Assy	20002018			1	AU
16	Screw Cap	24252001			3	AB
17	Front Panel	20002001			1	AM
18	Filter	11122002			2	AD
19	Air Cleaner Holder	24222001			2	AC
20	Air Cleaner A	11012002			1	AE
21	Air Deflector	10512001			1	AF
22	Remote Control	30512506			1	AT
23	Axile Bush of Guide Louver	10542011			3	AB
24	Air Cleaner B	11012003			1	AE
25	Evaporator Pipe Cover	06122001			1	AA
26	Sensor Insert	42020063			1	AD
27	Stepping Motor	15212102			1	AF
28	Fan Motor	15012054			1	AU
29	Motor Press Plate	26112017			1	AG
30	Fixed Clamp	71010103			1	AB
31	Pipe Clamp	24242001			1	AD
32	Main Board	300557211			1	BD
33	Temperature Sensor	39000159			1	AD
34	Ambient Temperature Sensor	39000155			1	AD
35	Protective Tube	46010014			1	AA
36	Electric Box Cover	01412007			1	AE
37	Electric Box Cover 1	01412012			1	AF
38	Transformer	43110233			1	AH
39	Electric Box	20102001			1	AK
40	Cable Clamp	70482001			1	AB
41	4-bit Terminal Board	42011233			1	AF
42	Wire Clip	42012401			1	AA
43	Indicator Light Support	24212005			1	AG
44	Receiver Board J	30046034			1	AL
45	Connecting Power Cable	40020413			1	AM
47	Connecting Cable	40020318			1	AN

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Explosive view and spare parts list of outdoor unit

ASHC-07x2+12CS

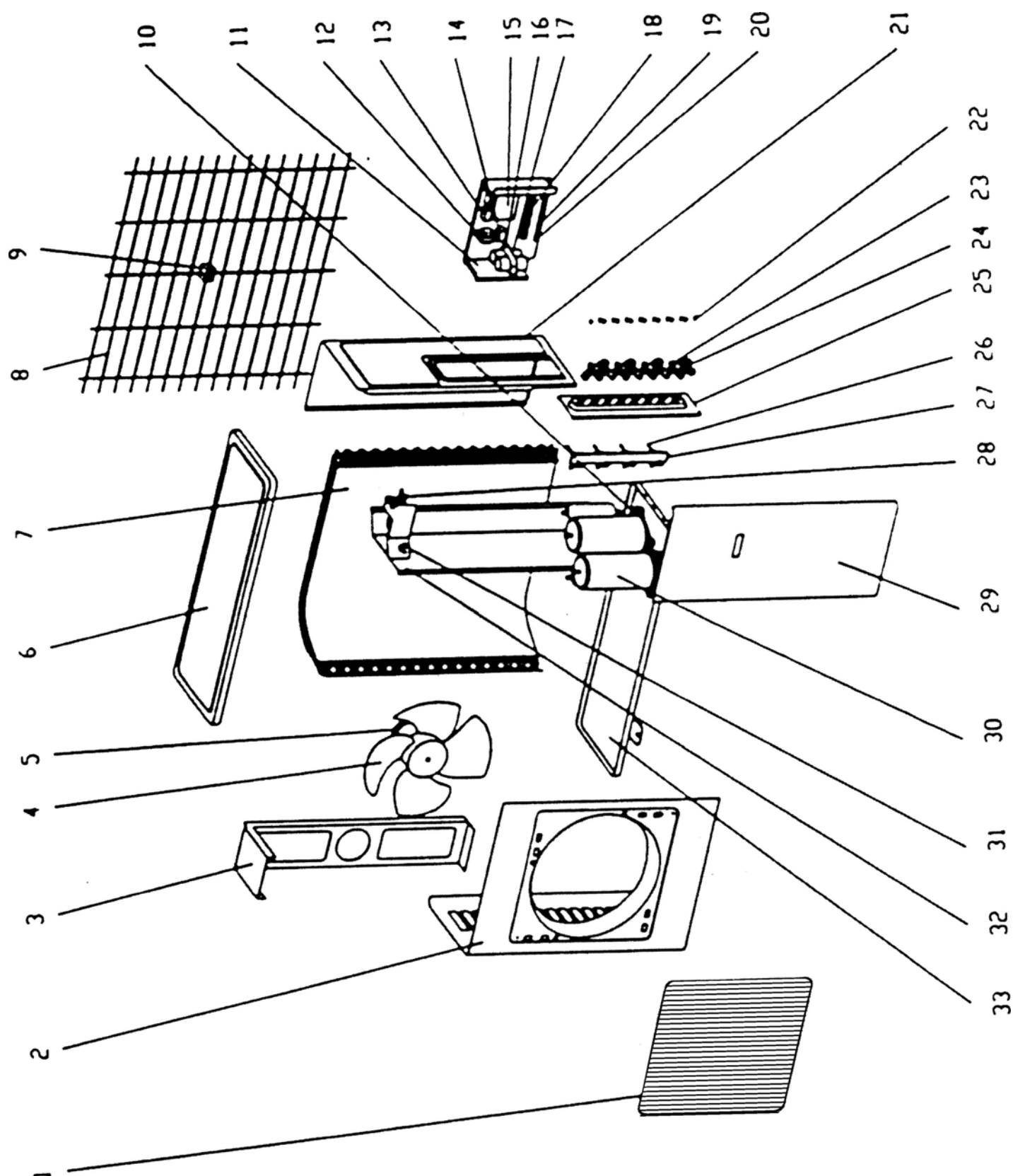


No.	Description	Part Code	Updated		Qty	Price Rank
			Part code	Date		
ASHC-07x2+12CS - Outdoor Unit						
1	Front Grill	22265251			1	AG
2	Front Plate	01435254			1	AN
3	Motor Support	01705253			1	AE
4	Axial Flow Fan	10335253			1	AP
5	Motor FW60L	15013063			1	AZ
6	Top Cover	01255262			1	AH
7	Condenser	01133012			1	BK
8	Rear Grill	01475251			1	AG
9	Underlay of Rear Grill	76315251			1	AC
10	Compressor Bolt	70210054			6	AC
11	Electric Plate Assy	01403229			1	AF
12	Transformer SC21C	43110170			1	AH
13	Terminal Board 2-8	42011103			3	AD
14	Capacitor CBB61 3uF/450V	33010027			1	AE
15	Main Board KQ001	30055001			1	AX
16	Capacitor Clamp	02143013			1	AB
17	Capacitor CBB65 25uF/450V	33000017			2	AG
18	Terminal Board RS9413	42011104			3	AD
19	Terminal Board RS9413G	42010178			1	AF
20	Insulation Gasket	70413432			1	AC
21	Rear Side Plate	01303007			1	AH
22	Self-tapping Screw	70140561			16	AB
23	Valve 1/4"	07100131			3	AG
24	Valve 3/8"	07100132			3	AK
25	Valve Support	01713040			1	AG
26	Electromagnetic Valve	43000062			1	BA
27	Electromagnetic Valve Support 2	01713034			1	AD
28	Electromagnetic Valve	43000057			2	BA
29	Front Side Plate	01305247			1	AG
30	Compressor C-RV237H01AA	00100353			2	BQ
31	Electromagnetic Valve Support 2	07143031			1	AE
32	Isolation Sheet Assy	01235253			1	AH
33	Metal Base	01203304			1	AH

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Explosive view and spare parts list of outdoor unit

ASHC-07x4CS



No.	Description	Part Code	Updated		Qty	Price Rank
			Part code	Date		
ASHC-07x4CS - Outdoor Unit						
1	Front Grill	22265251			1	AG
2	Housing	01435254			1	AN
3	Motor Support	01705253			1	AE
4	Axial-flow Fan	10335253			1	AP
5	Fan Motor	15013063			1	AZ
6	Top Cover	01255262			1	AH
7	Condenser Assy	01133010			1	BK
8	Rear Grill Assy	01475251			1	AG
9	Grill Gasket	76315251			1	AC
10	Compressor Bolt	70210054			6	AC
11	Electric Plate Assy	14034025			1	AF
12	Transformer	43110233			1	AH
13	Terminal Board	42011103			3	AD
14	Capacitor	33010027			1	AE
15	Main Board	30055001			1	AX
16	Capacitor Clamp	02143013			1	AB
17	Capacitor	33000017			2	AG
18	Terminal Board	42011104			3	AD
19	Terminal Board	42010178			1	AF
20	Isolation Washer	70413432			1	AC
21	Rear Side Plate	01303003			1	AH
22	Self-threading Screw ST4.2X9.5	70140561			16	AB
23	Cut-off Valve	07100131			3	AG
24	Cut-off Valve	07100132			3	AK
25	Valve Support	01713035			1	AG
26	Electromagnetic Valve	43000062			1	BA
27	Electromagnetic Valve Support	07143030			1	AD
28	Electromagnetic Valve	43000057			2	BA
29	Front Side Plate	01305247			1	AG
30	Compressor and Fittings	00100353			2	BQ
31	Electromagnetic Valve Support	07143031			1	AE
32	Clapboard Sub-Assy	01235253			1	AH
33	Underpan Assy	01203304			1	AH

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