

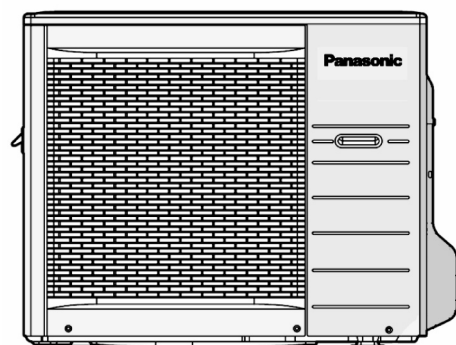
Service Manual

Air Conditioner



Indoor Unit
CS-A18NKS
CS-A24NKS

Outdoor Unit
CU-A18NKS
CU-A24NKS



WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the products dealt with in this service information by anyone else could result in serious injury or death.

2. Specification

Model			Indoor	CS-A18NKS		CS-A24NKS				
			Outdoor	CU-A18NKS		CU-A24NKS				
Performance Test Condition			SASO (T3)		SASO (T1 & H1)		SASO (T3)		SASO (T1 & H1)	
Power Supply			Phase, Hz	Single, 60			Single, 60			
			V	220			220			
Cooling	Capacity		kW	4.20	4.70	5.10	6.00			
			BTU/h	14300	16000	17400	20500			
			kcal/h	3610	4040	4390	5160			
	Running Current		A	9.4	7.9	14.1	12.1			
	Input Power		W	2.04k	1.71k	3.04k	2.63k			
	EER		W/W	2.05	2.75	1.70	2.30			
			BTU/hW	7.00	9.35	5.70	7.80			
	Power Factor		%	99	98	98	99			
	Indoor Noise (H / L)		dB-A	43 / 38	- / -	47 / 41	- / -			
			Power Level dB	56 / -	- / -	60 / -	- / -			
Outdoor Noise (H / L)		dB-A	54 / -	- / -	55 / -	- / -				
		Power Level dB	69 / -	- / -	70 / -	- / -				
Heating	Capacity		kW	-	5.40	-	7.40			
			BTU/h	-	18400	-	25200			
			kcal/h	-	4640	-	6360			
	Running Current		A	-	7.6	-	12.7			
	Input Power		W	-	1.65k	-	2.75k			
	COP		W/W	-	3.30	-	2.70			
			BTU/hW	-	11.15	-	9.15			
	Power Factor		%	-	99	-	98			
	Indoor Noise (H / L)		dB-A	- / -	42 / 38	- / -	46 / 41			
			Power Level dB	- / -	55 / -	- / -	59 / -			
	Outdoor Noise (H / L)		dB-A	- / -	55 / -	- / -	55 / -			
			Power Level dB	- / -	70 / -	- / -	70 / -			
Max Current (A) / Max Input Power (W)			11.5 / 2.46k			17.1 / 3.75k				
Starting Current (A)			38.0			63.0				
Compressor	Type		Hermetic Motor / Rotary			Hermetic Motor / Rotary				
	Motor Type		Induction (2-poles)			Induction (2-poles)				
	Output Power	W	1.2k			1.8k				
Indoor Fan	Type			Cross-flow Fan			Cross-flow Fan			
	Material			ASG30K1			ASG30K1			
	Motor Type			Transistor (8-poles)			Transistor (8-poles)			
	Input Power		W	94.8			94.8			
	Output Power		W	40			40			
	Speed	QLo	rpm	Cooling: 910 Heating: 970			Cooling: 1010 Heating: 1090			
		Lo	rpm	Cooling: 1000 Heating: 1060			Cooling: 1100 Heating: 1180			
		Me	rpm	Cooling: 1100 Heating: 1100			Cooling: 1220 Heating: 1220			
Hi		rpm	Cooling: 1240 Heating: 1310			Cooling: 1390 Heating: 1530				
SHi	rpm	Cooling: 1310			Cooling: 1530					
	Outdoor Fan	Type			Propeller Fan			Propeller Fan		
Material			PP Resin			PP Resin				
Motor Type			Induction (6-poles)			Induction (6-poles)				
Input Power		W	162.8			162.8				
Output Power		W	79			79				
Speed		Lo	rpm	560			560			
		Hi	rpm	855			855			
Moisture Removal			L/h (Pt/h)	0.6 (1.3)			1.0 (2.1)			

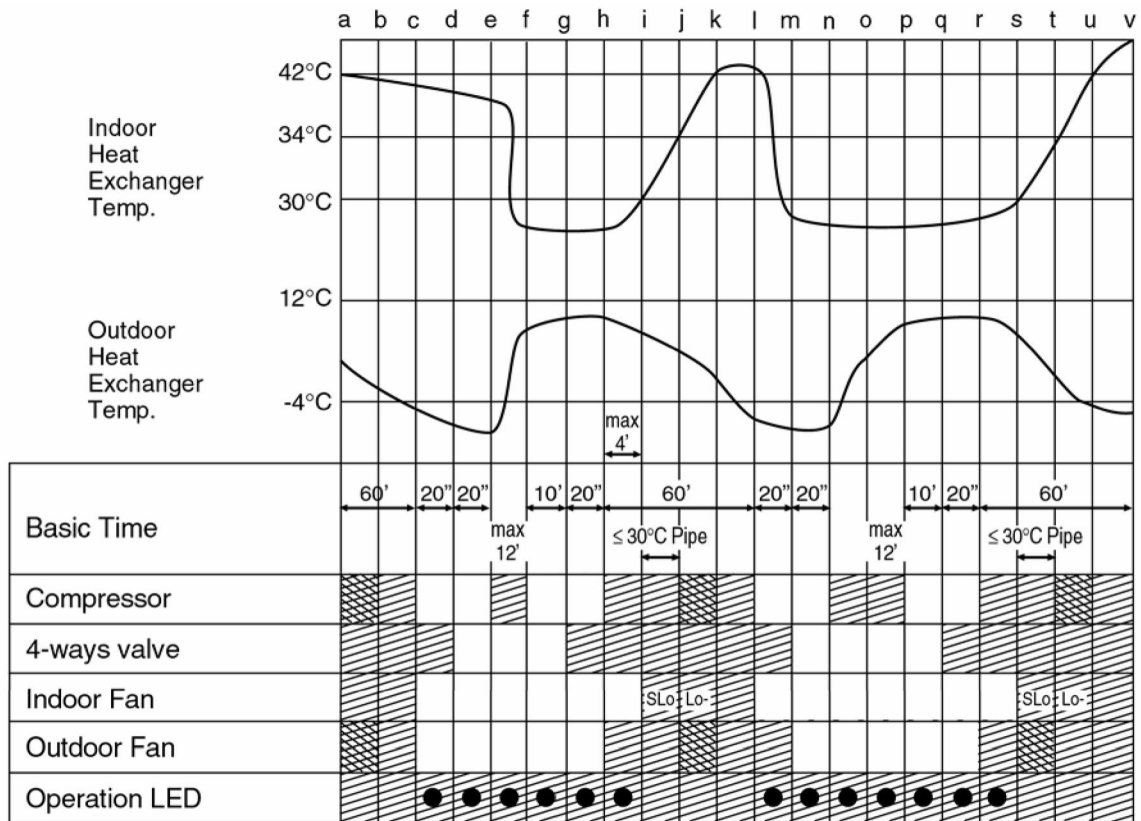
Indoor Airflow	QLo	m ³ /min (ft ³ /min)	Cooling: 11.2 (396) Heating: 11.8 (418)		Cooling: 12.6 (446) Heating: 13.0 (457)	
	Lo	m ³ /min (ft ³ /min)	Cooling: 12.3 (435) Heating: 12.9 (457)		Cooling: 13.8 (486) Heating: 14.0 (495)	
	Me	m ³ /min (ft ³ /min)	Cooling: 13.7 (483) Heating: 13.4 (474)		Cooling: 15.3 (539) Heating: 14.5 (512)	
	Hi	m ³ /min (ft ³ /min)	Cooling: 15.3 (540) Heating: 16.0 (565)		Cooling: 17.4 (614) Heating: 18.2 (642)	
	SHi	m ³ /min (ft ³ /min)	Cooling: 16.2 (570)		Cooling: 19.2 (676)	
Outdoor Airflow	Hi	m ³ /min (ft ³ /min)	52.7 (1860)		52.7 (1860)	
Refrigeration Cycle	Control Device		Capillary Tube		Capillary Tube	
	Refrigerant Oil	cm ³	ATMOSNM56M or SUNISO 4GDID (650)		ATMOS M60 or SUNISO 4GDID (1130)	
	Refrigerant Type	g (oz)	R22, 1.55k (54.7)		R22, 1.94k (68.5)	
Dimension	Height(I/D / O/D)	mm (inch)	290 (11-7/16)	750 (29-17/32)	290 (11-7/16)	750 (29-17/32)
	Width (I/D / O/D)	mm (inch)	1070 (42-5/32)	875 (34-15/32)	1070 (42-5/32)	875 (34-15/32)
	Depth (I/D / O/D)	mm (inch)	240 (9-15/32)	345 (13-19/32)	240 (9-15/32)	345 (13-19/32)
Weight	Net (I/D / O/D)	kg (lb)	12 (26)	53 (117)	12 (26)	63 (139)
Piping	Pipe Diameter (Liquid / Gas)	mm (inch)	6.35 (1/4) / 12.70 (1/2)		6.35 (1/4) / 15.88 (5/8)	
	Standard length	m (ft)	5.0 (16.4)		5.0 (16.4)	
	Length range (min – max)	m (ft)	3 (9.8) ~ 25 (82.0)		3 (9.8) ~ 25 (82.0)	
	I/D & O/D Height different	m (ft)	20 (65.6)		20 (65.6)	
	Additional Gas Amount	g/m (oz/ft)	20 (0.2)		30 (0.3)	
	Length for Additional Gas	m (ft)	7.5 (24.6)		7.5 (24.6)	
Drain Hose	Inner Diameter	mm	15.6		15.6	
	Length	mm	650		650	
Indoor Heat Exchanger	Fin Material		Aluminium (Pre Coat)		Aluminium (Pre Coat)	
	Fin Type		Slit Fin		Slit Fin	
	Row x Stage x FPI		2 x 15 x 21		2 x 15 x 21	
	Size (W x H x L)	mm	810 x 315 x 25.4		810 x 315 x 25.4	
Outdoor Heat Exchanger	Fin Material		Aluminium (Blue Coat)		Aluminium (Blue Coat)	
	Fin Type		Corrugate		Corrugate	
	Row x Stage x FPI		2 x 28 x 17		2 x 28 x 17	
	Size (W x H x L)	mm	44 x 711.2 x 811.845.5		44 x 711.2 x 802.4:836.9	
Air Filter	Material		Polypropelene		Polypropelene	
	Type		One-touch		One-touch	
Power Supply			Indoor		Indoor	
Power Supply Cord		A	16		20	
Thermostat			-		-	
Protection Device			Overload Protector		-	
			Dry Bulb	Wet Bulb	Dry Bulb	Wet Bulb
Indoor Operation Range	Cooling	Maximum	32	23	32	23
		Minimum	16	11	16	11
	Heating	Maximum	30	-	30	-
		Minimum	16	-	16	-
Outdoor Operation Range	Cooling	Maximum	55	31	55	31
		Minimum	16	11	16	11
	Heating	Maximum	24	18	24	18
		Minimum	-5	-6	-5	-6

1. Cooling capacities are based on indoor temperature of 27°C Dry Bulb (80.6°F Dry Bulb), 19.0°C Wet Bulb (66.2°F Wet Bulb) and outdoor air temperature of 35°C Dry Bulb (95°F Dry Bulb), 24°C Wet Bulb (75.2°F Wet Bulb)
2. Heating capacities are based on indoor temperature of 20°C Dry Bulb (68°F Dry Bulb) and outdoor air temperature of 7°C Dry Bulb (44.6°F Dry Bulb), 6°C Wet Bulb (42.8°F Wet Bulb)
3. Specifications are subjected to change without prior notice for further improvement.

3. Features

- Air Purifying System with nanoe-G
 - Deactivates and removes bacterial, viruses and mould.
- Long Installation Piping
 - Long piping up to 25 meters.
- Easy to use remote control
- Quality Improvement
 - Random auto restart after power failure for safety restart operation
 - Gas leakage protection
 - Prevent compressor reverse cycle
 - Inner protector to protect compressor
 - Noise prevention during soft dry operation
 - Blue coated condenser for high resistance to corrosion
- Operation Improvement
 - Quiet mode to reduce the indoor unit operating sound
 - Powerful mode to reach the desired room temperature quickly
 - 24-hour timer setting

a) Normal Deice Time Diagram

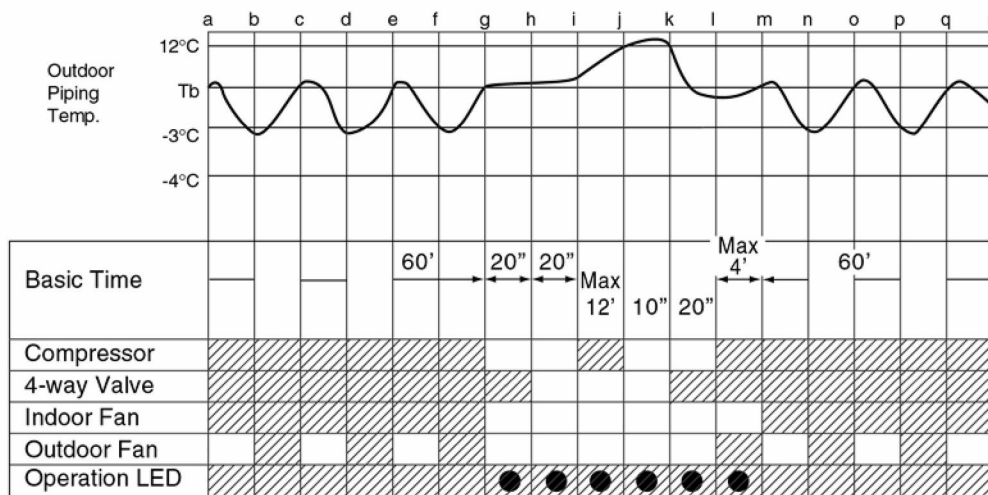


<Description of operation>

- a – c : Deicing operation judging condition established
- c – e, l – n : Preparation time
- e – h : Deicing operation (timer detected)
- h – i, r – s : Hot start (no thermo OFF)
- i – j, s – t : No thermo OFF (after finished hot start)

- : Blinking
- ▨ : Operation
- : Stop
- ▩ : Operation or stop

b) Overload Deice Time Diagram



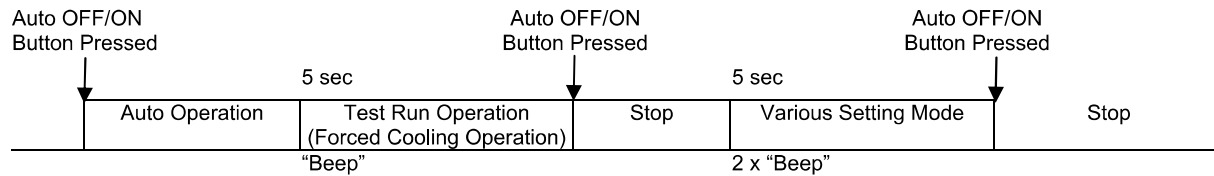
<Description of operation>

- a – i : Overload control
- i – l : Overload deicing
- l – m : Hot start
- m – r : Overload control
- g – i : Preparation for overload deicing (For normal R22 control, operation for g – i is not included, applicable only for new refrigerant model).

- : Blinking
- ▨ : Operation
- : Stop

14. Servicing Mode

14.1 Auto OFF/ON Button



1 AUTO OPERATION MODE

The Auto Operation will be activated immediately once the Auto OFF/ON button is pressed. This operation can be used to operate air conditioner with limited function if remote control is misplaced or malfunction.

2 TEST RUN OPERATION (FOR PUMP DOWN/SERVICING PURPOSE)

The Test Run Operation will be activated if the Auto OFF/ON button is pressed continuously for more than 5 seconds. A "beep" sound will be heard at the fifth seconds, in order to identify the starting of this operation.

3 VARIOUS SETTING MODE

The Various Setting Mode will be activated if (within 20 seconds of Test Run Operation) the Auto OFF/ON button is pressed for more than 5 seconds. 2 "beep" sounds will be heard to identify the starting of this operation.

Under Various Setting Mode, user could perform the following operation:

i. Press Auto OFF/ON button to toggle remote control receiving sound.

- Short "beep": Turn ON remote control receiving sound.

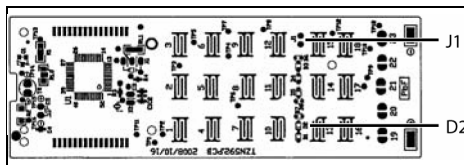
- Long "beep": Turn OFF remote control receiving sound.

After Auto OFF/ON button is pressed, the 20 seconds counter for Remote Control Receiving Sound OFF/ON Mode is restarted.

ii. Remote Control Number Switch.

- There are 4 types of remote control transmission code could be selected and stored in EEPROM of indoor unit. The indoor unit will only operate when received signal with same transmission code from remote control. This could prevent signal interference when there are 2 or more indoor units installed nearby together.

- To change remote control transmission code, short or open jumpers at the remote control printed circuit board.

	Remote Control Printed Circuit Board		
	Jumper A (J1)	Jumper B (D2)	Remote Control No.
	Short	Open	A (Default)
	Open	Open	B
	Short	Short	C
	Open	Short	D

- During Various Setting Mode, press any button at remote control to transmit and store the desired transmission code to the EEPROM.

- After signal is received, the Various Setting Mode is cancelled and return to normal operation.

- If there is no code is transmitted of Auto OFF/ON button is not pressed within 20 seconds, the Various Setting Mode will be cancelled.

14.2 Remote Control Button

14.2.1 SET Button

- To check current remote control transmission code and store the transmission code to EEPROM:
 - Press “Set” button continuously for 10 seconds by using pointer.
 - Press “Timer Set” button until a “beep” sound is heard as confirmation of transmission code change.

14.2.2 RESET (RC)

- To clear and restore the remote control setting to factory default.
 - Press once to clear the memory

14.2.3 TIMER ▲

- To change indoor unit indicators' intensity:
 - Press continuously for 5 seconds.

14.2.4 TIMER ▼

- To change remote control display from Degree Celsius (°C) to Degree Fahrenheit (°F)
 - Press continuously for 10 seconds.

15. Troubleshooting Guide

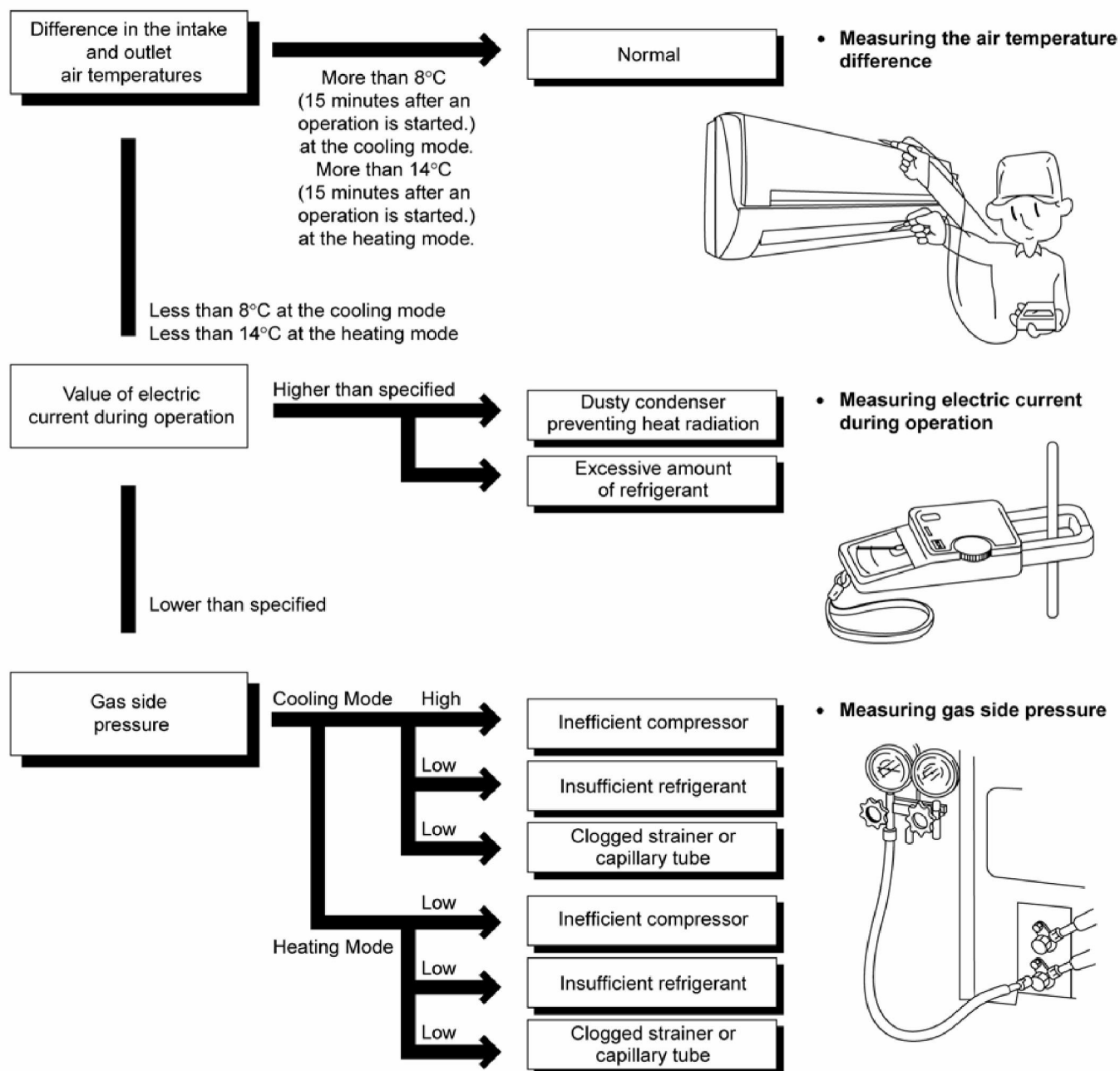
15.1 Refrigeration cycle system

In order to diagnose malfunctions, make sure that there are no electrical problems before inspecting the refrigeration cycle. Such problems include insufficient insulation, problem with the power source, malfunction of a compressor and a fan. The normal outlet air temperature and pressure of the refrigeration cycle depends on various conditions, the standard values for them are shown in the table on the right.

Normal Pressure and Outlet Air Temperature (Standard)

	Gas Pressure Mpa (kg/cm ² G)	Outlet air Temperature (°C)
Cooling Mode	0.4 ~ 0.6 (4 ~ 6)	12 ~ 16
Heating Mode	1.5 ~ 2.1 (15 ~ 21)	36 ~ 45

Condition: Indoor fan speed = High
Outdoor temperature 35°C at the cooling mode and 7°C at the heating mode



15.1.1 Relationship between the condition of the air conditioner and pressure and electric current

Condition of the air conditioner	Cooling Mode			Heating Mode		
	Low Pressure	High Pressure	Electric current during operation	Low Pressure	High Pressure	Electric current during operation
Insufficient refrigerant (gas leakage)	↘	↘	↘	↘	↘	↘
Clogged capillary tube or strainer	↘	↘	↘	↘	↘	↘
Short circuit in the indoor unit	↘	↘	↘	↗	↗	↗
Heat radiation deficiency of the outdoor unit	↗	↗	↗	↘	↘	↘
Inefficient compression	↗	↘	↘	↗	↘	↘

- Carry out the measurement of pressure, electric current, and temperature fifteen minutes after an operation is started.

15.1.2 Diagnosis methods of a malfunction of a compressor and 4-way Valve

Nature of fault	Symptom
Insufficient compressing of a compressor	• Electric current during operation becomes approximately 20% lower than the normal value. • The discharge tube of the compressor becomes abnormally hot (normally 70°C to 90°C). • The different between high pressure and low pressure becomes almost zero.
Locked compressor	• Electric current reaches a high level abnormally, and the value exceeds the limit of an ammeter. In some cases, a breaker turns off. • The compressor has a humming sound.
Insufficient switches of the 4-way valve	• Electric current during operation becomes approximately 80% lower than the normal value. • The temperature different between from the discharge tube to the 4-way valve and from suction tube to the 4-way valve becomes almost zero.

16. Disassembly and Assembly Instructions



WARNING

High Voltage is generated in the electrical parts area by the capacitor. Ensure that the capacitor has discharged sufficiently before proceeding with repair work. Failure to heed this caution may result in electric shocks.

16.1 Indoor Electronic Controllers, Cross Flow Fan and Indoor Fan Motor Removal Procedures

16.1.1 To remove front grille

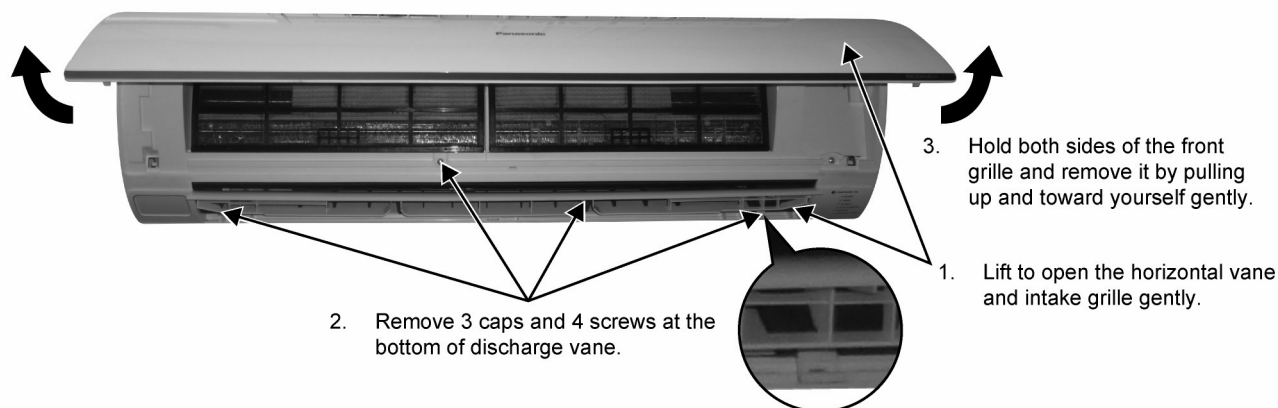


Figure 1

16.1.2 To remove horizontal vane

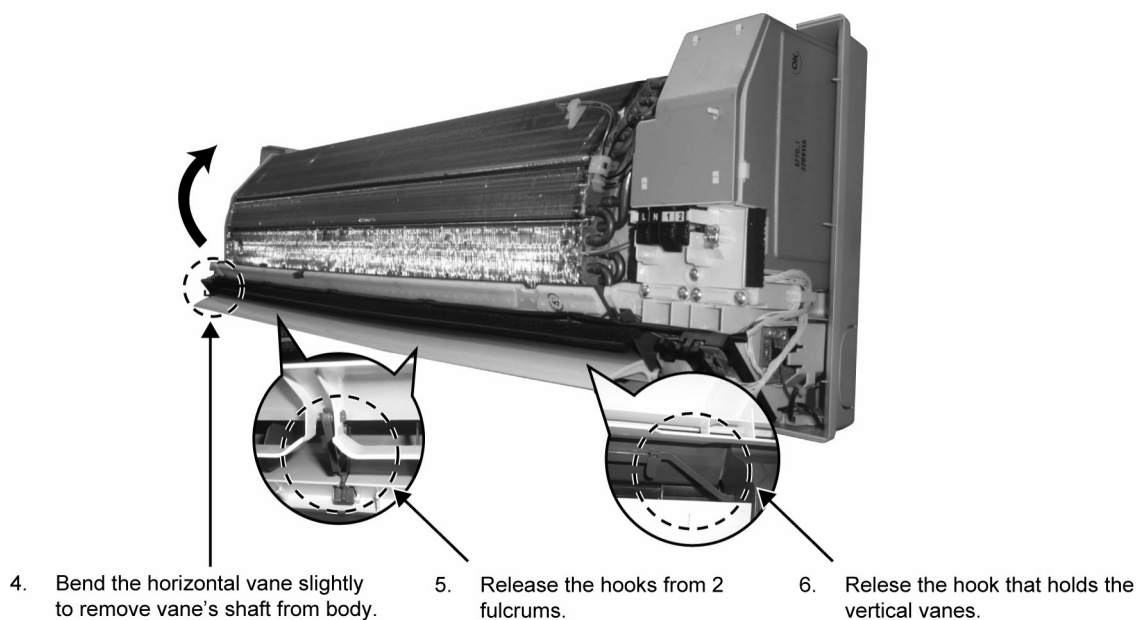


Figure 2

16.1.3 To remove electronic controller

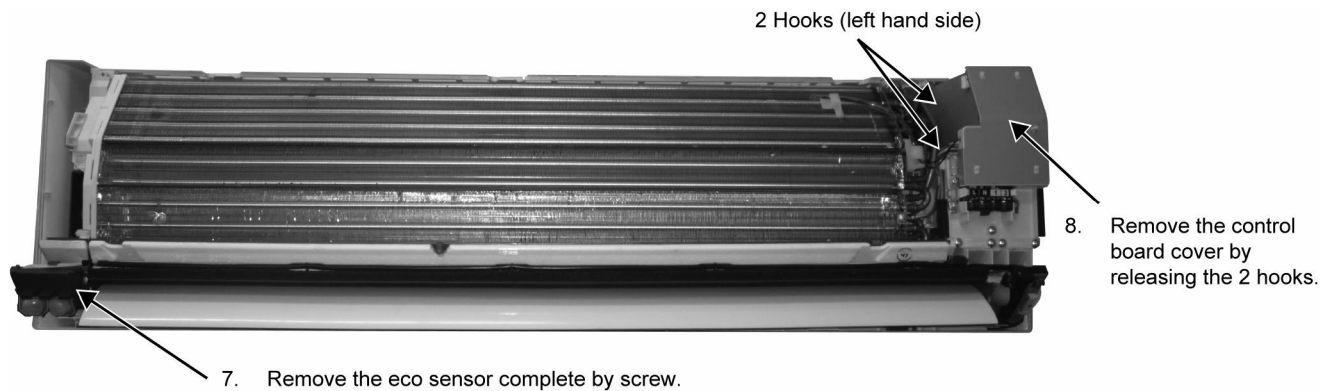


Figure 3

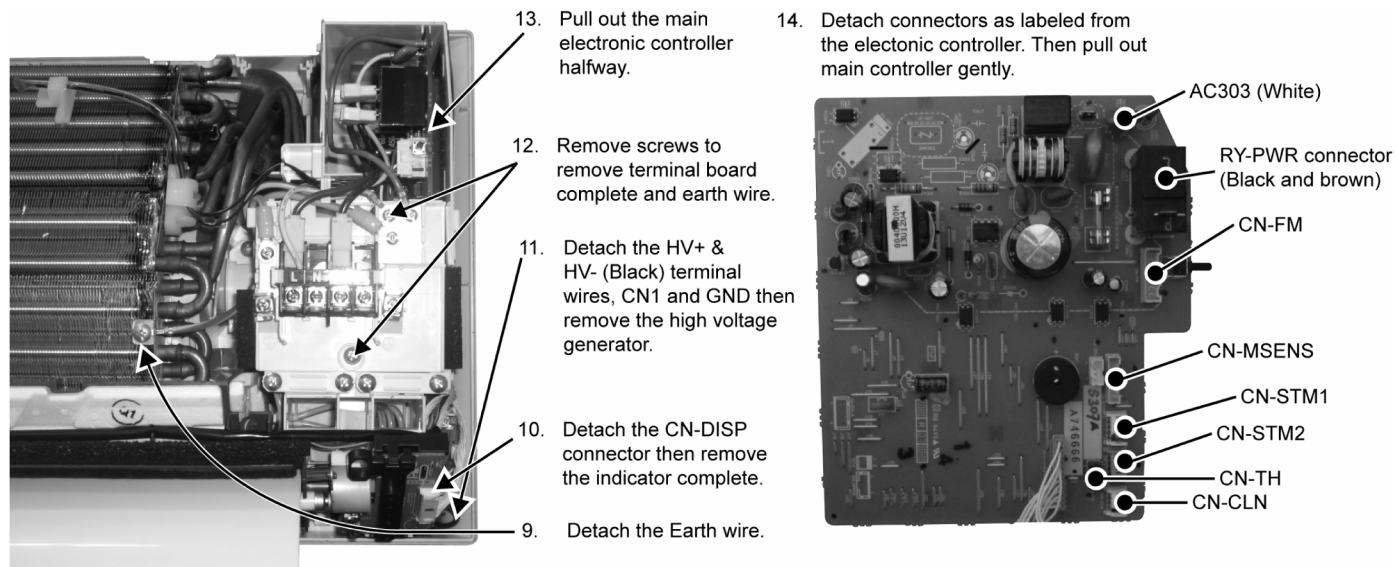


Figure 4

Figure 5

16.1.4 To remove discharge grille

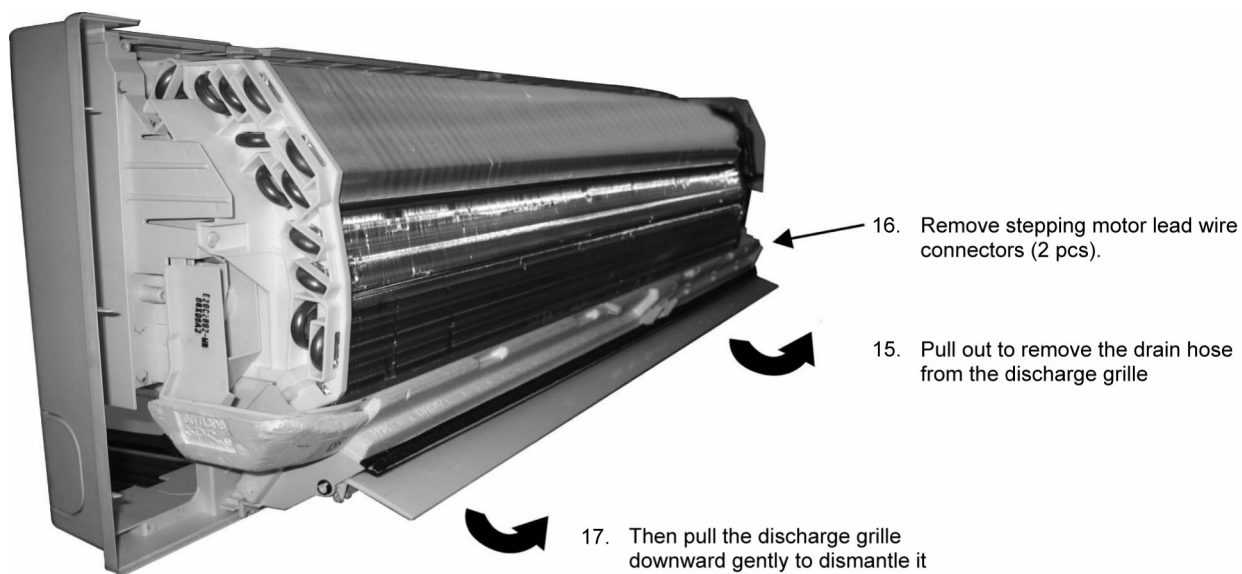


Figure 6

16.1.5 To remove control board

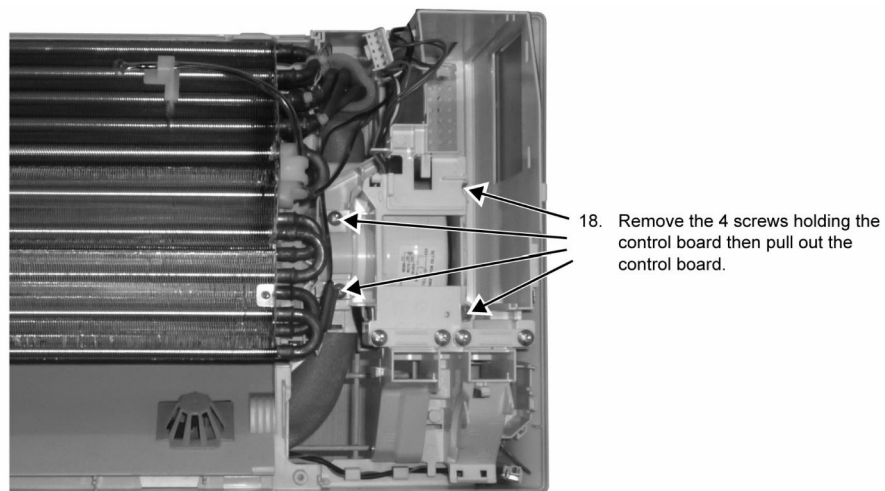


Figure 7

16.1.6 To remove cross flow fan and indoor fan motor

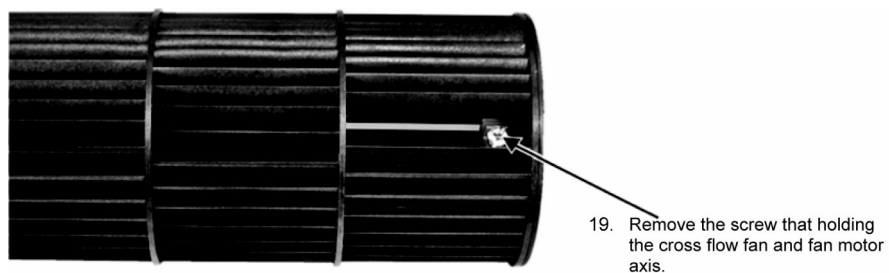


Figure 8

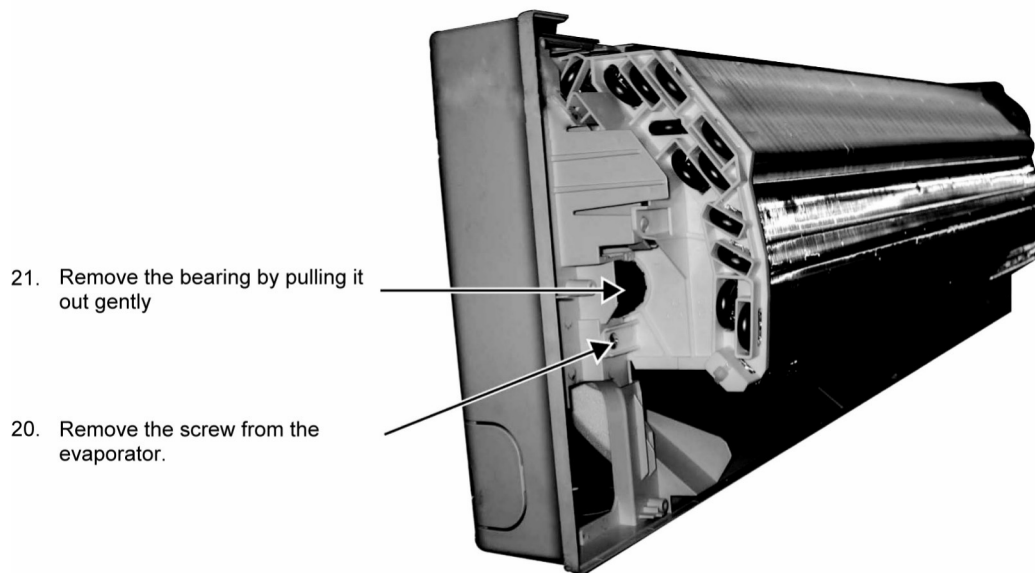
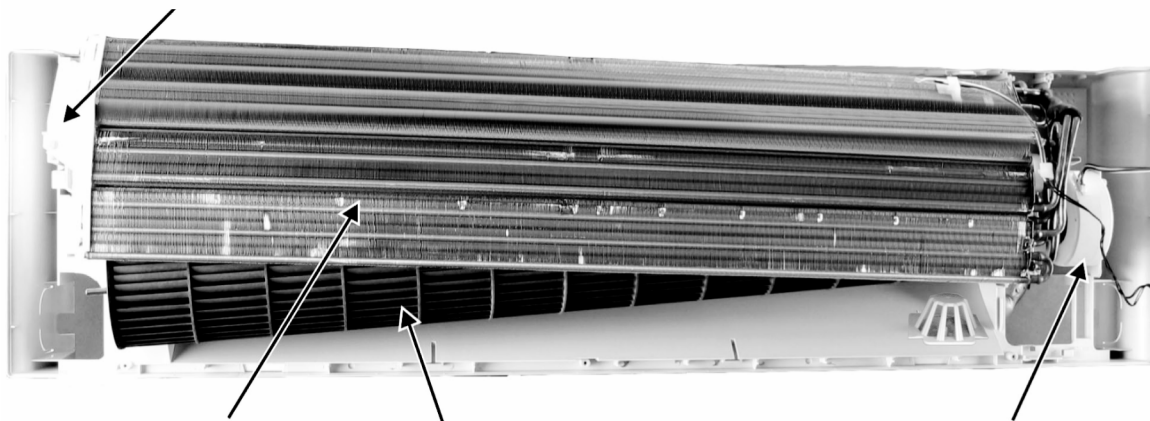


Figure 9

22. Push the holdfast to the left and lift up the evaporator.



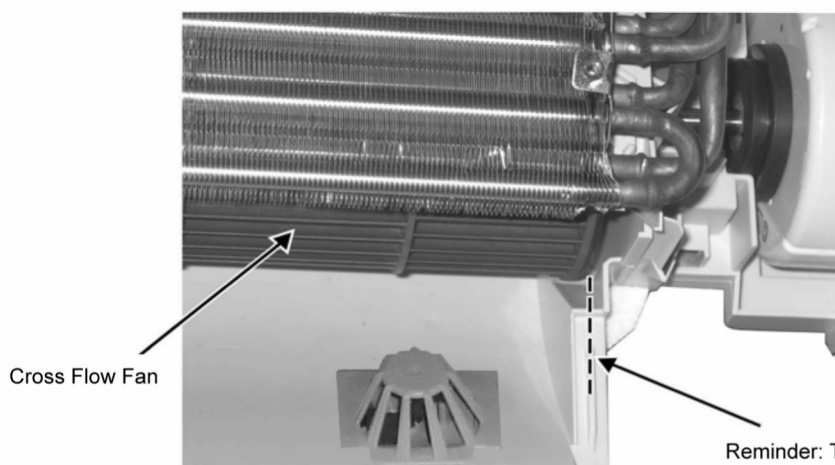
Evaporator

23. Remove the cross flow fan from the unit by pulling it to the left and downward.

24. Fan motor can be removed after the removal of cross flow fan.

Reminder: To reinstall the fan motor, adjust the fan motor connector to 45° towards you before fixing control board.

Figure 10



Cross Flow Fan

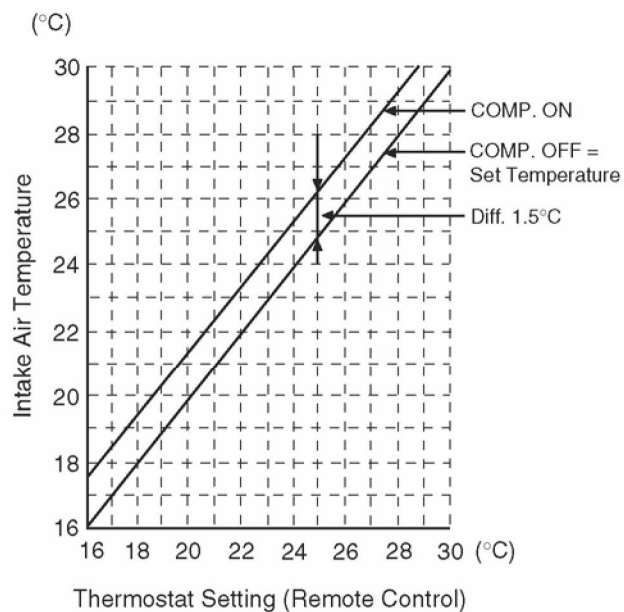
Reminder: To reinstall the cross flow fan, ensure cross flow fan is in line as shown in figure 11.

Figure 11

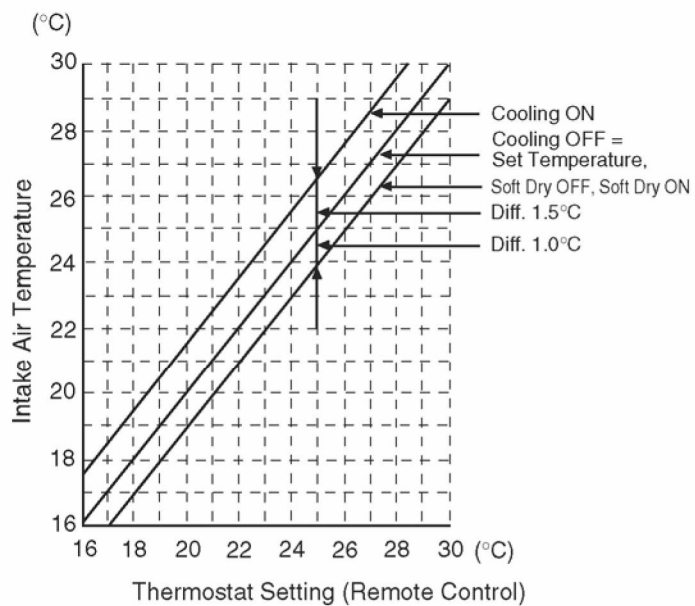
17. Technical Data

17.1 Thermostat Characteristics

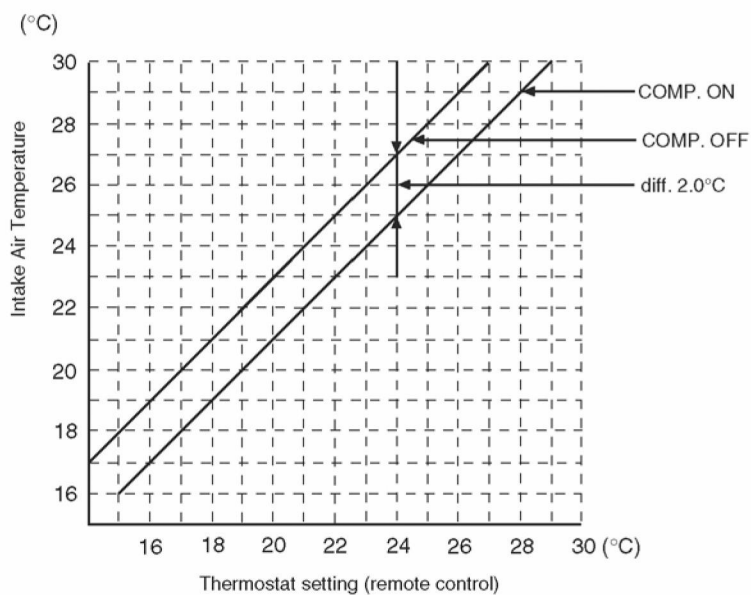
• Cooling



• Soft Dry



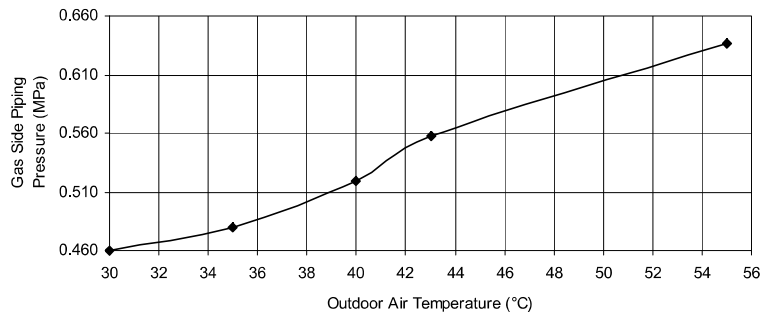
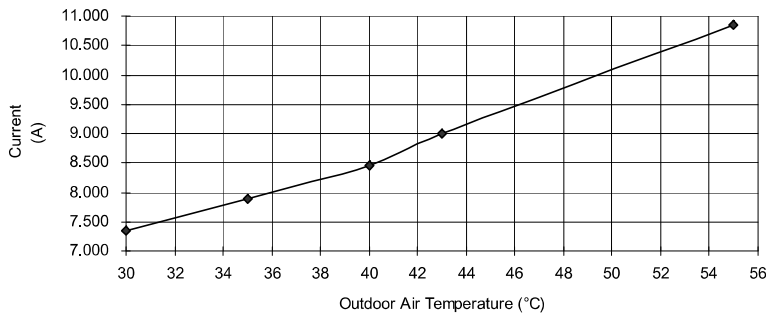
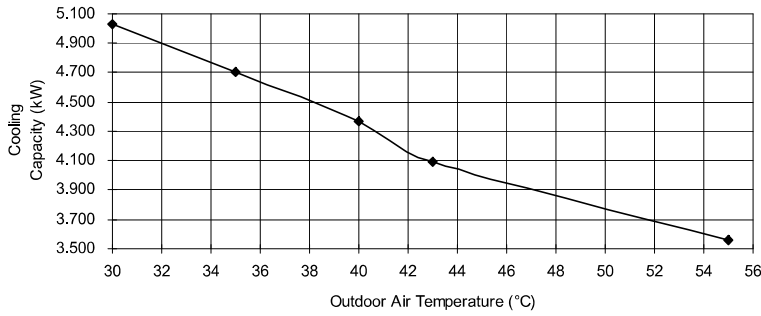
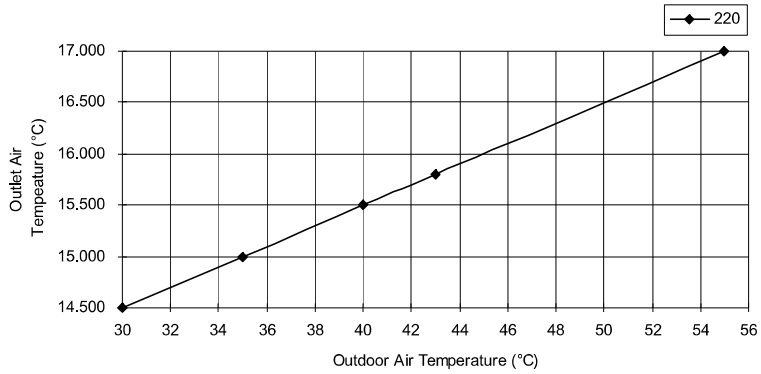
• Heating



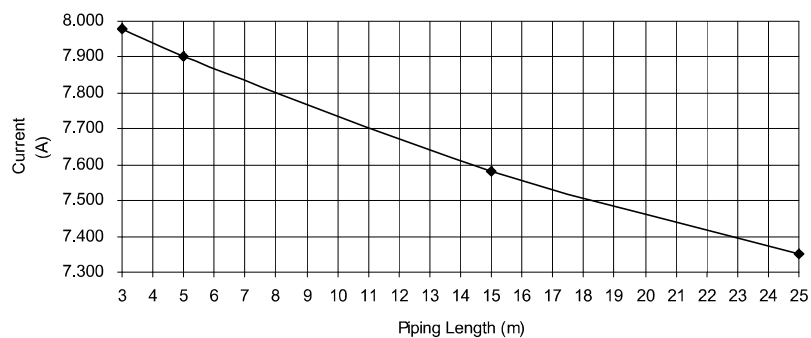
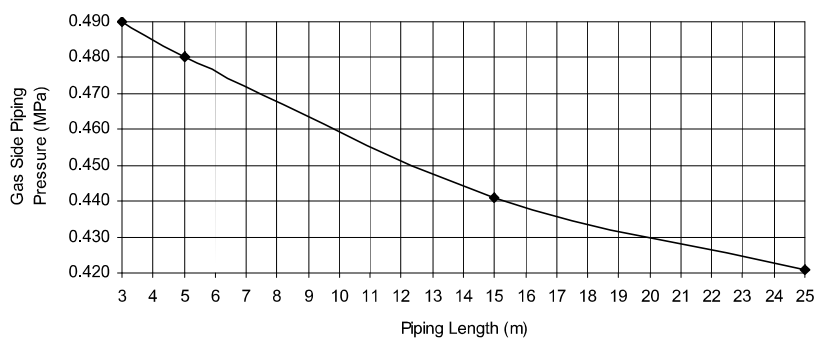
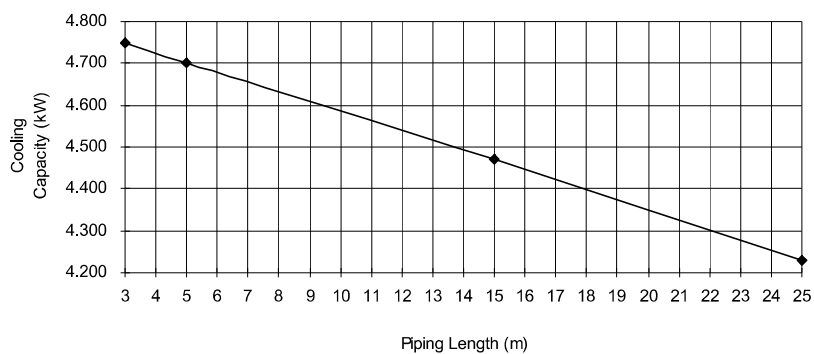
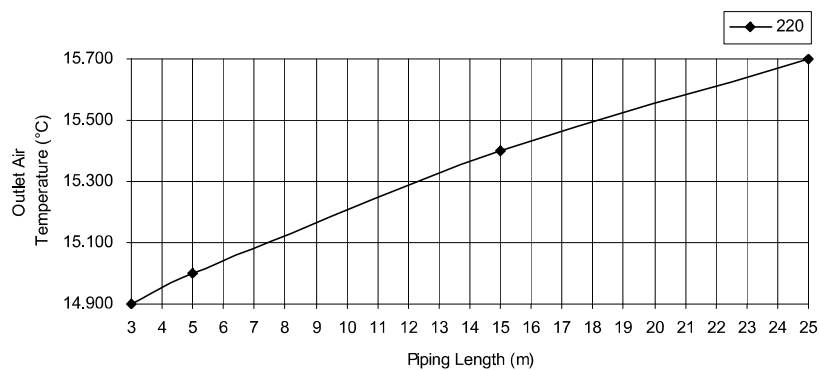
17.2 Operation Characteristics

17.2.1 CS-A18NKS CU-A18NKS

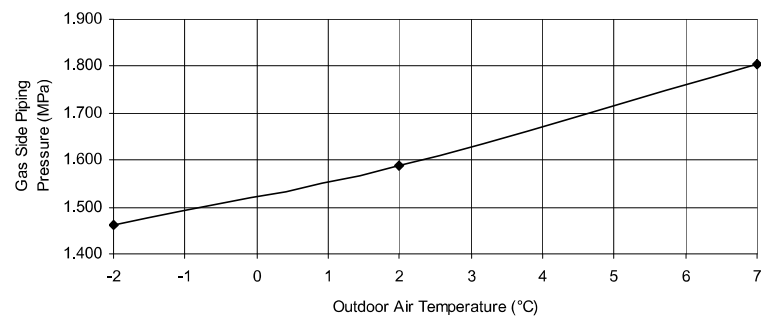
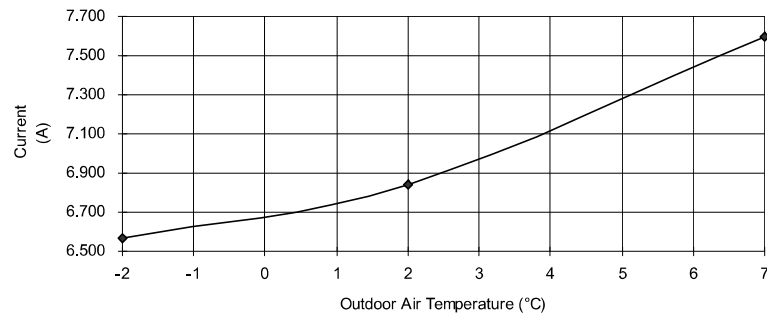
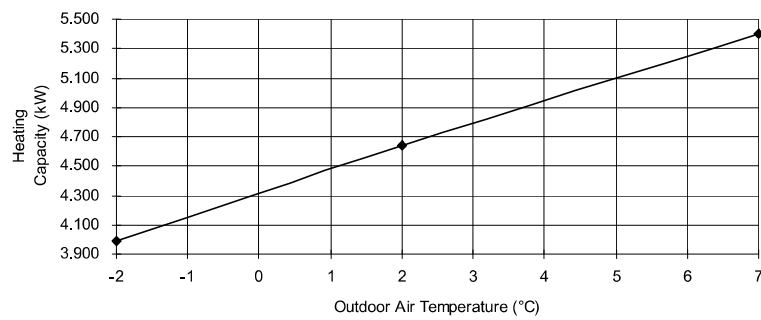
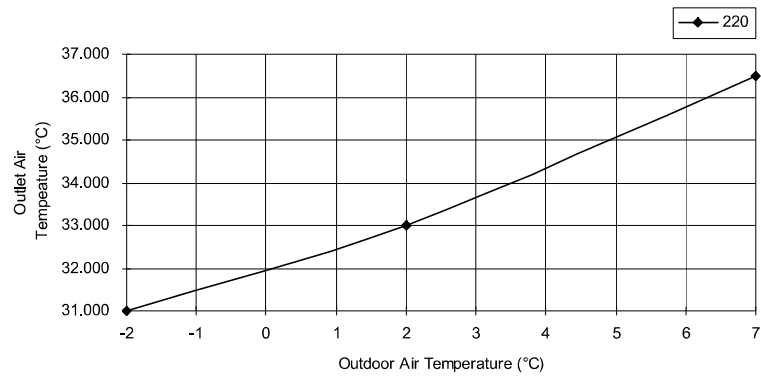
- Cooling Characteristic
 - Room temperature: 27°C (DBT), 19°C (WBT)
 - Operation condition: High fan speed
 - Piping length: 5m



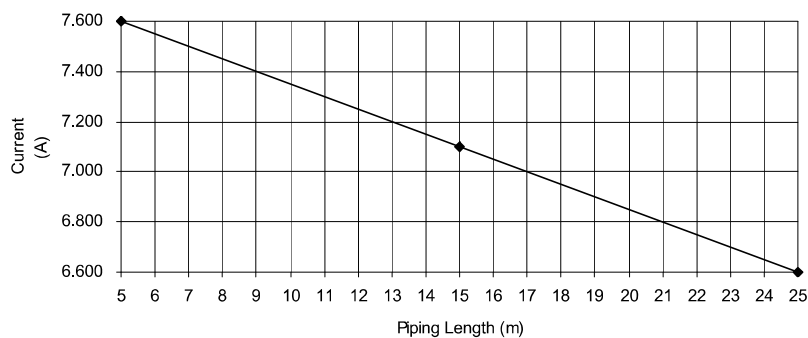
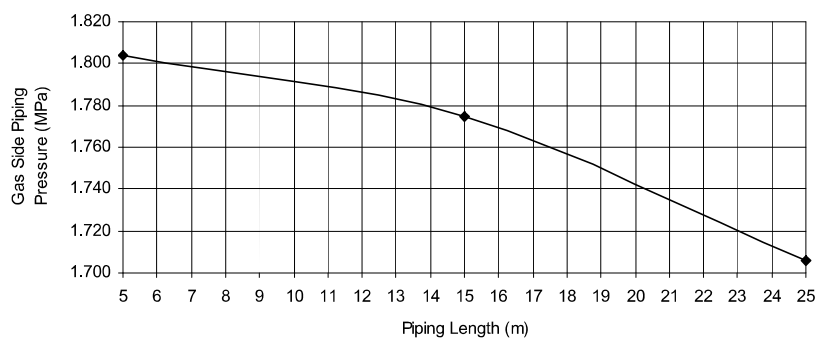
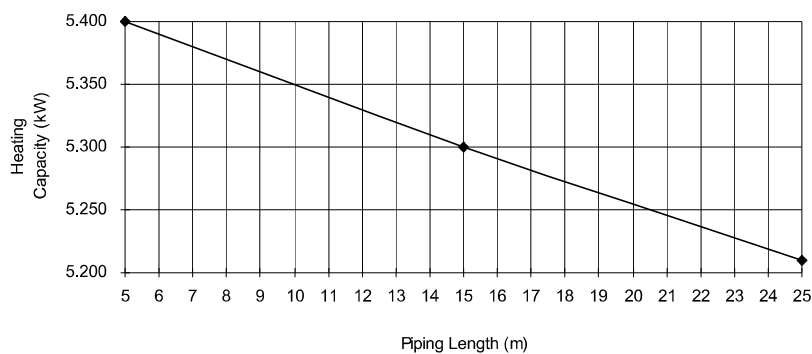
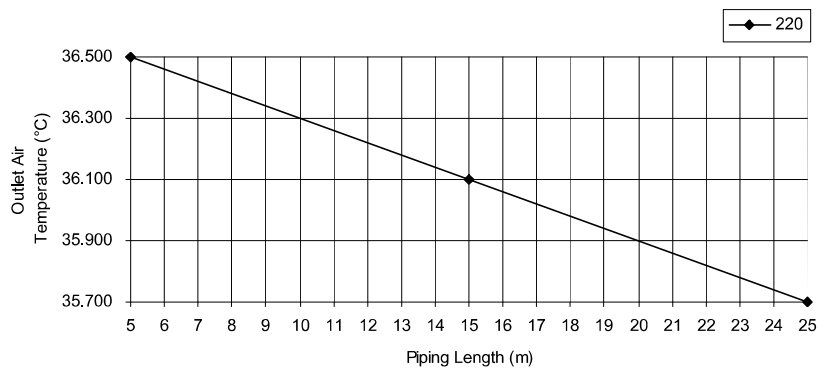
- Piping Length Characteristic
 - Room temperature: 27°C (DBT), 19°C (WBT)
 - Operation condition: High fan speed
 - Outdoor temperature: 35°C (DBT), 24°C (WBT)
 - Piping length: 5m



- Heating Characteristic
 - Room temperature: 20°C (DBT)
 - Operation condition: High fan speed
 - Piping length: 5m

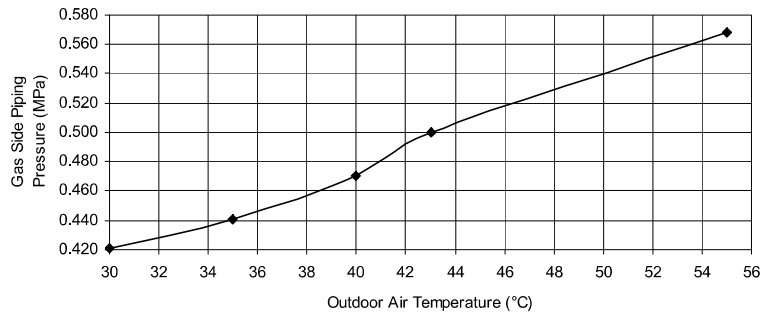
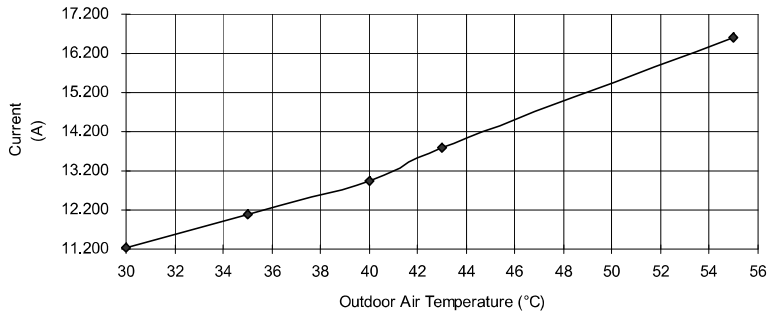
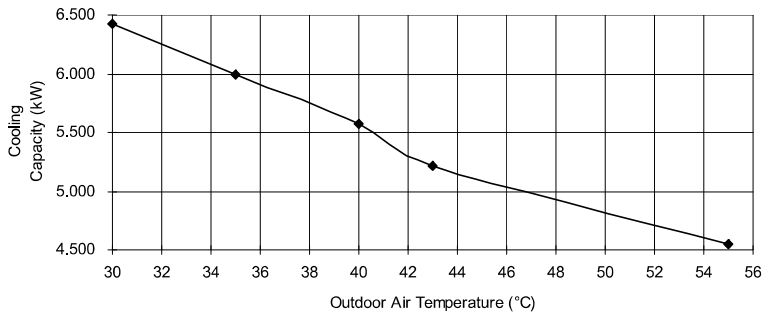
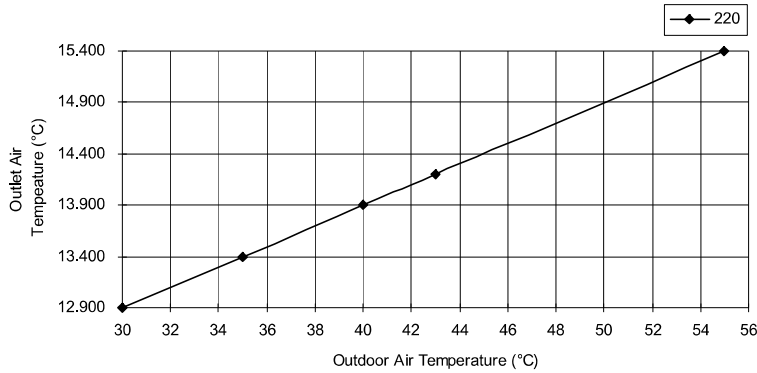


- Piping Length Characteristic
 - Room temperature: 20°C (DBT)
 - Operation condition: High fan speed
 - Outdoor temperature: 7°C (DBT), 6°C (WBT)
 - Piping length: 5m

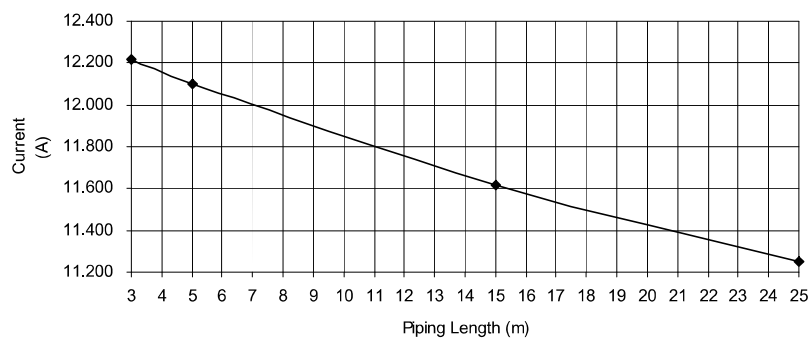
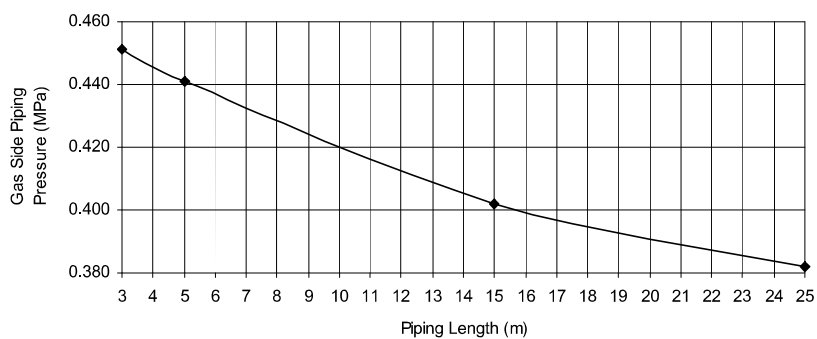
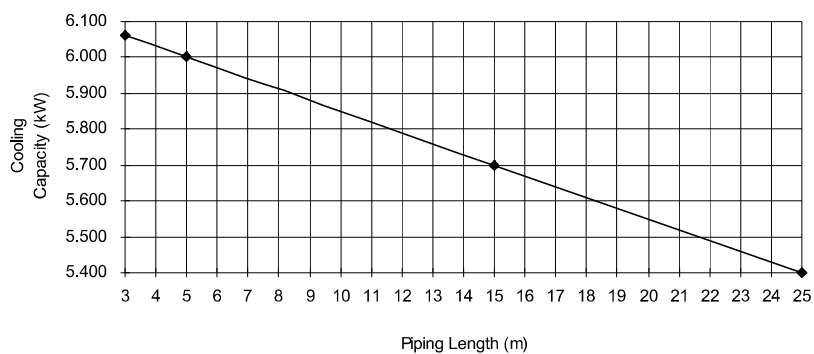
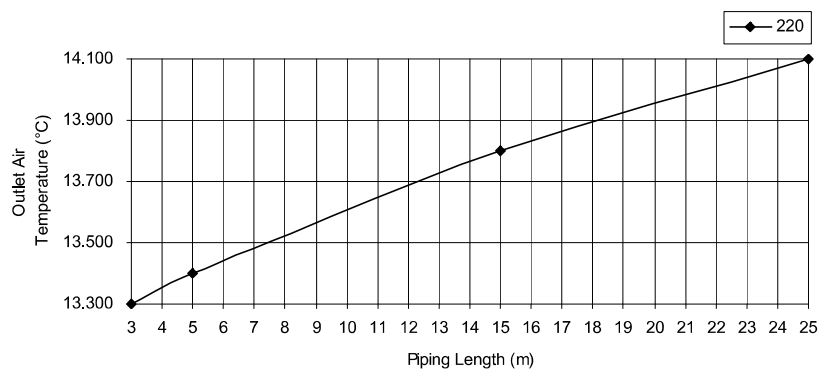


17.2.2 CS-A24NKS CU-A24NKS

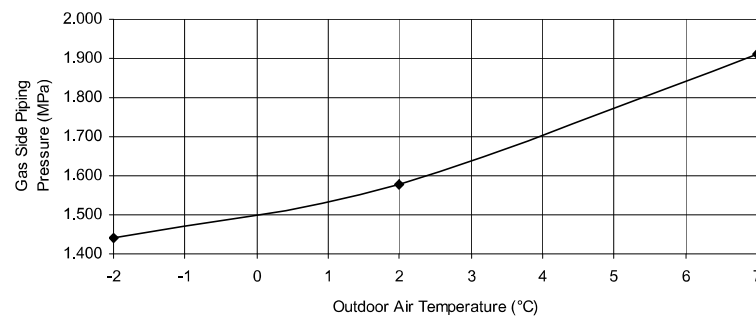
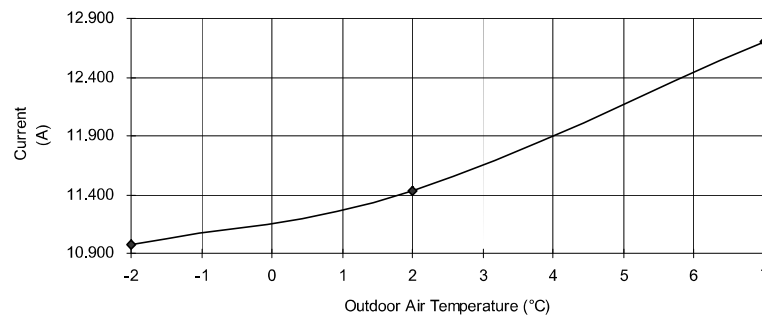
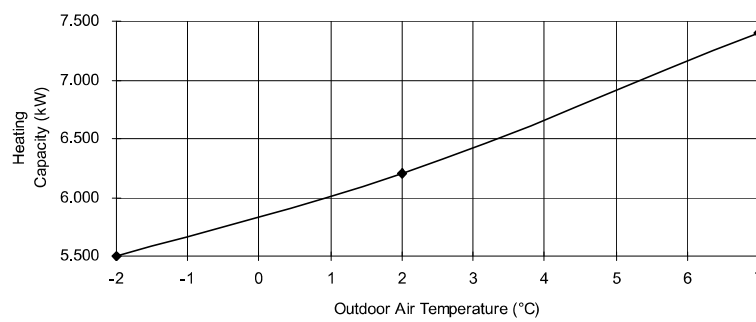
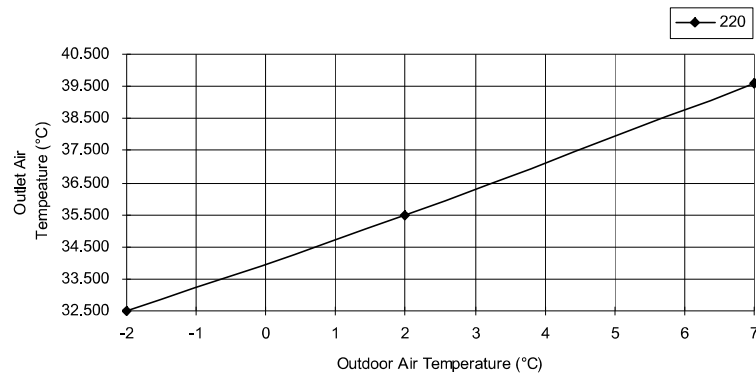
- Cooling Characteristic
 - Room temperature: 27°C (DBT), 19°C (WBT)
 - Operation condition: High fan speed
 - Piping length: 5m



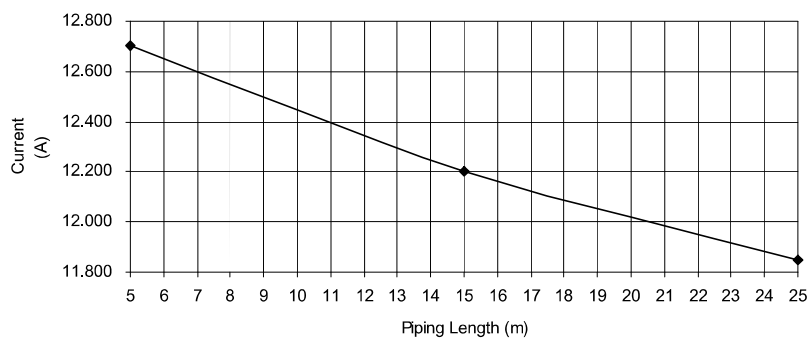
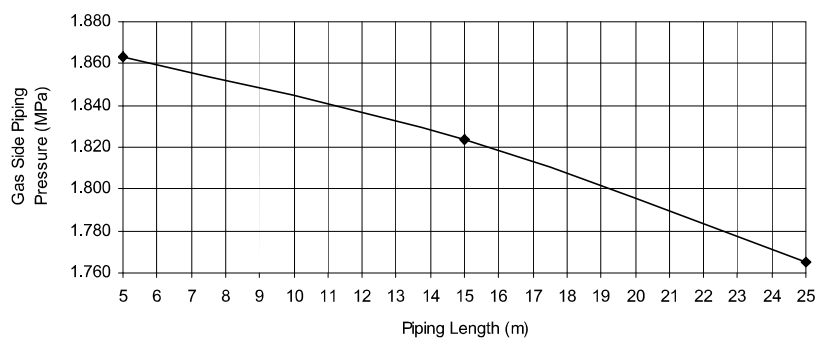
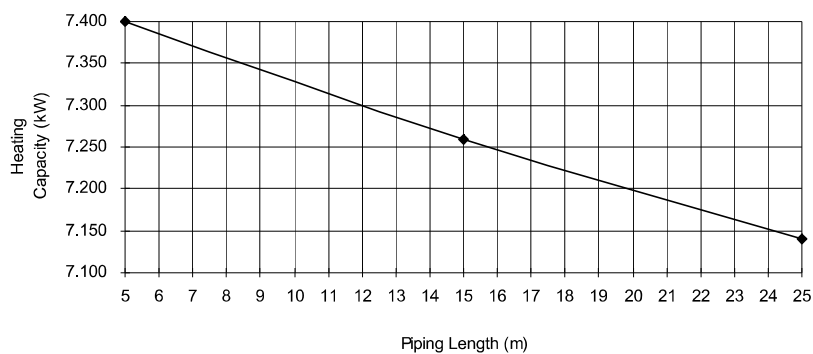
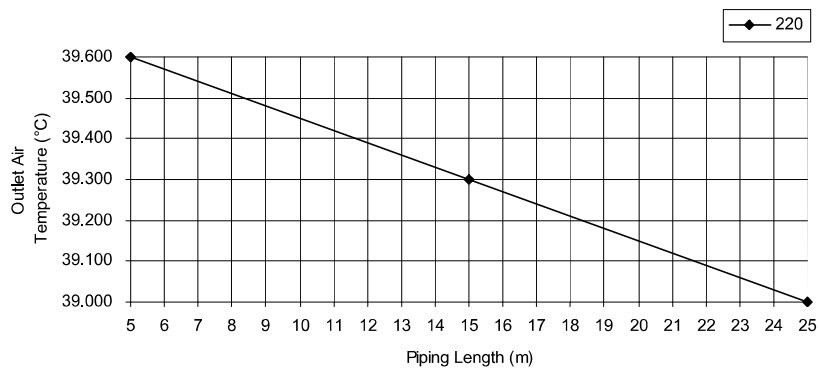
- Piping Length Characteristic
 - Room temperature: 27°C (DBT), 19°C (WBT)
 - Operation condition: High fan speed
 - Outdoor temperature: 35°C (DBT), 24°C (WBT)
 - Piping length: 5m



- Heating Characteristic
 - Room temperature: 20°C (DBT)
 - Operation condition: High fan speed
 - Piping length: 5m

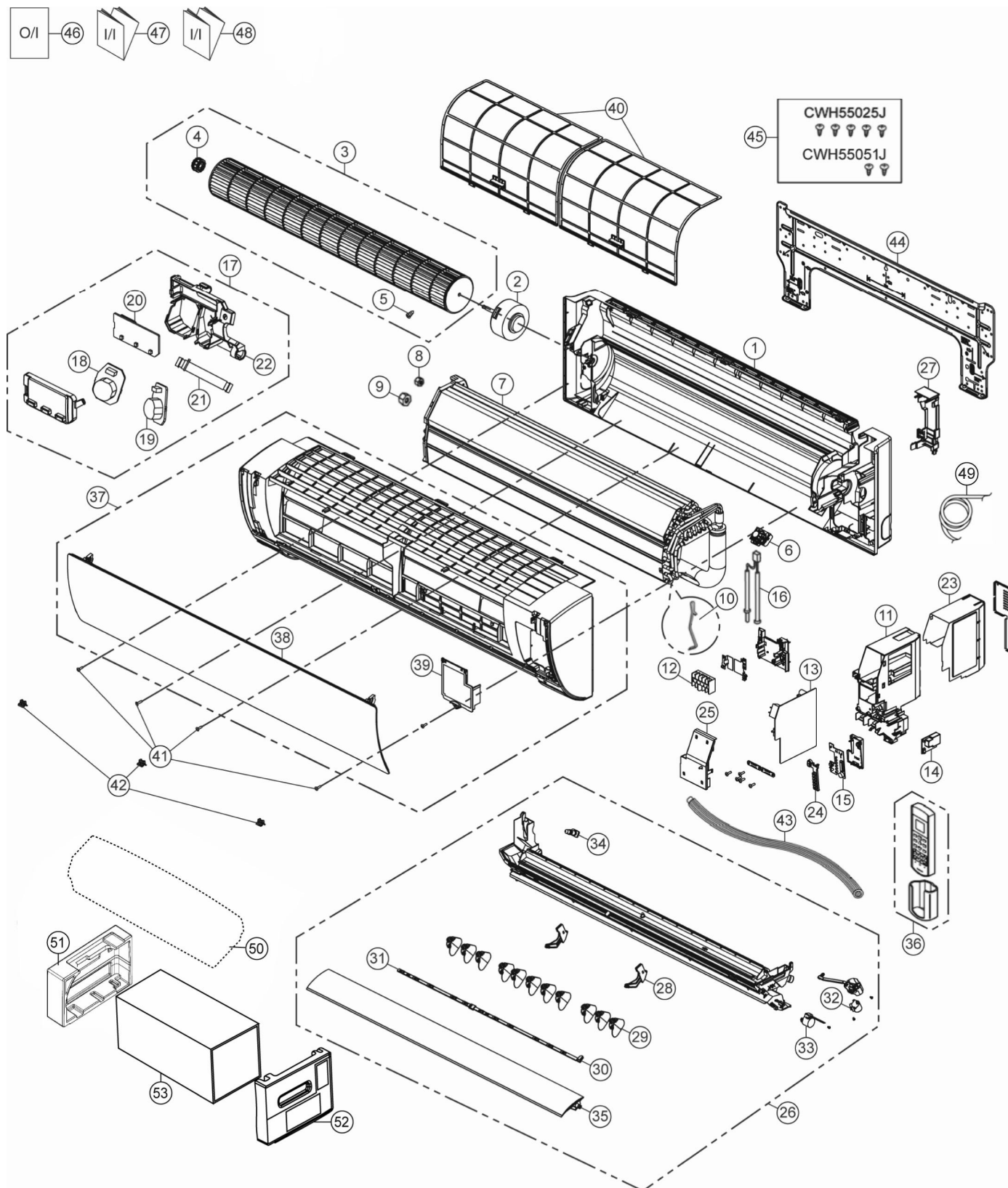


- Piping Length Characteristic
 - Room temperature: 20°C (DBT)
 - Operation condition: High fan speed
 - Outdoor temperature: 7°C (DBT), 6°C (WBT)
 - Piping length: 5m



18. Exploded View and Replacement Parts List

18.1 Indoor Unit



Note

The above exploded view is for the purpose of parts disassembly and replacement.
The non-numbered parts are not kept as standard service parts.

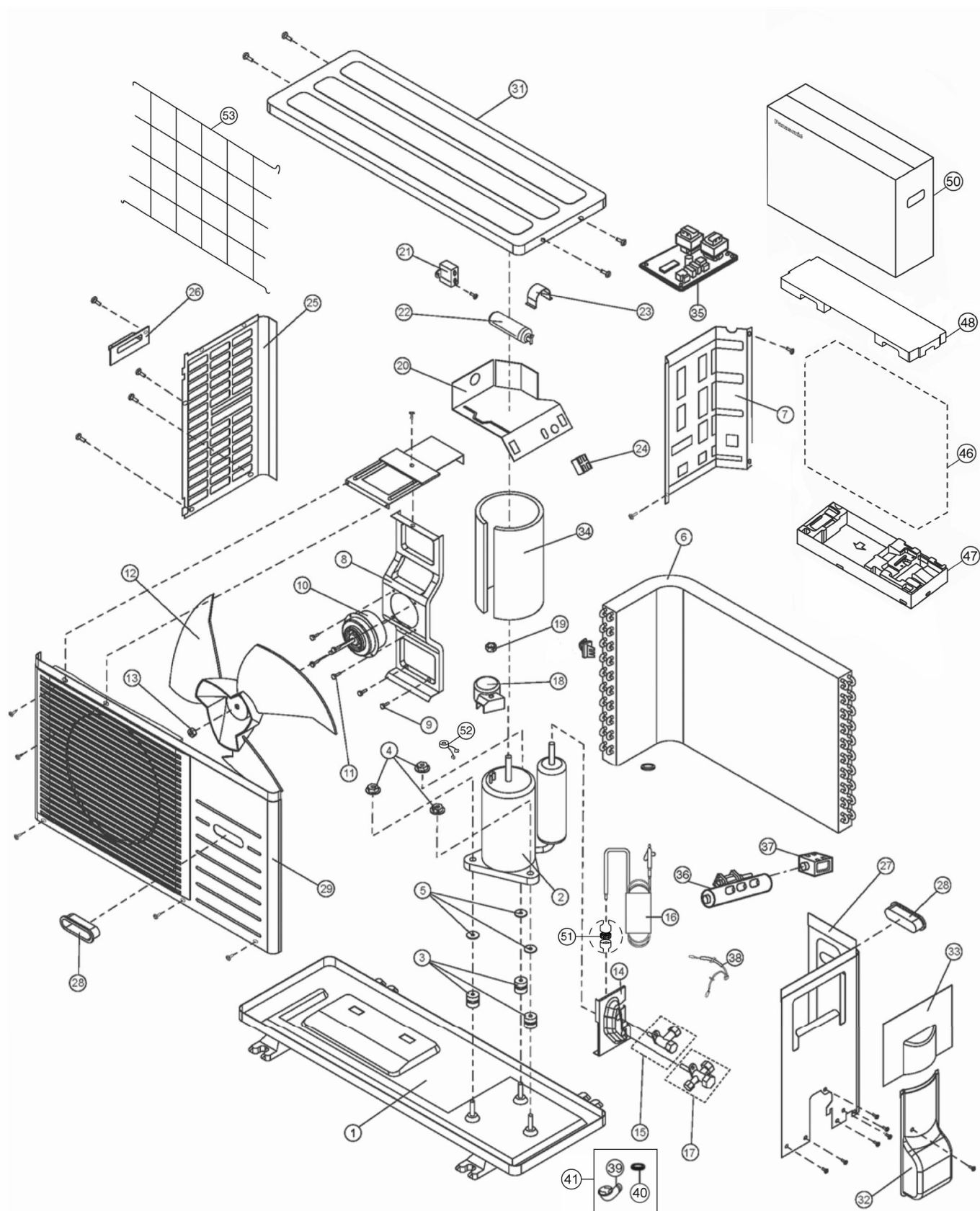
REF. NO.	PART NAME & DESCRIPTION	QTY	CS-A18NKS	CS-A24NKS	REMARK
1	CHASSIS COMPLETE	1	CWD50C1654	←	
2	FAN MOTOR	1	ARW7627AC	←	O
3	CROSS FLOW FAN COMPLETE	1	CWH02C1077	←	
4	BEARING ASS'Y	1	CWH64K007	←	
5	SCREW - CROSS FLOW FAN	1	CWH551146	←	
6	GENERATOR COMPLETE	1	CWH94C0043	←	
7	EVAPORATOR	1	CWB30C3854	CWB30C3795	
8	FLARE NUT (LIQUID)	1	CWT251026	←	
9	FLARE NUT (GAS)	1	CWT251062	CWT251036	
10	HOLDER SENSOR	1	CWH32143	←	
11	CONTROL BOARD CASING	1	CWH102449	←	
12	TERMINAL BOARD COMPLETE	1	CWA28C2359	CWA28C2360	
13	ELECTRONIC CONTROLLER - MAIN	1	CWA73C6191	CWA73C6195	O
14	ELECTRONIC CONTROLLER - HVU	1	N0GE1F000002	←	O
15	ELECTRONIC CONTROLLER - INDICATOR & RCV	1	CWA746635	←	O
16	SENSOR COMPLETE	1	CWA50C2122	CWA50C2782	
17	SENSOR COMPLETE (ECO)	1	CWA50C2826	←	
18	ELECTRONIC CONTROLLER (ECO SENSOR - L)	1	CWA745791	←	O
19	ELECTRONIC CONTROLLER (ECO SENSOR - R)	1	CWA746206	←	O
20	ELECTRONIC CONTROLLER (COMPARATOR)	1	CWA746653	←	O
21	LEAD WIRE - PCB ECO	1	CWA67C9934	←	
22	CONTROL BOARD CASING FOR PCB ECO	1	CWD933407A	←	
23	CONTROL BOARD TOP COVER	1	CWH131467	←	
24	INDICATOR HOLDER	1	CWD933406	←	
25	CONTROL BOARD FRONT COVER CO.	1	CWH13C1247	←	
26	DISCHARGE GRILLE COMPLETE	1	CWE20C3242	←	
27	BACK COVER CHASSIS	1	CWD933031	←	
28	FULCRUM	2	CWH621138	←	
29	VERTICAL VANE	11	CWE241374	←	
30	CONNECTING BAR (R)	1	CWE261257	←	
31	CONNECTING BAR (L)	1	CWE261258	←	
32	AIR SWING MOTOR	1	CWA98K1018	←	O
33	AIR SWING MOTOR	1	CWA981241	←	O
34	CAP - DRAIN TRAY	1	CWH521096	←	
35	HORIZONTAL VANE COMPLETE	1	CWE24C1392	←	
36	REMOTE CONTROL COMPLETE	1	CWA75C3873	←	O
37	FRONT GRILLE COMPLETE	1	CWE11C5158	CWE11C5159	O
38	INTAKE GRILLE COMPLETE	1	CWE22C1741	←	O
39	GRILLE DOOR COMPLETE	1	CWE14C1090	←	
40	AIR FILTER	2	CWD001283	←	
41	SCREW - FRONT GRILLE	4	XTT4+16CFJ	←	
42	CAP - FRONT GRILLE	3	CWH521227	←	
43	DRAIN HOSE	1	CWH851173	←	
44	INSTALLATION PLATE	1	CWH361098	←	
45	BAG COMPLETE - INSTALLATION SCREW	1	CWH82C1705	←	
46	OPERATING INSTRUCTION	1	CWF568390	←	
47	INSTALLATION INSTRUCTION	1	CWF615057	←	
48	INSTALLATION INSTRUCTION	1	CWF615068	←	
49	POWER SUPPLY CORD-CO.	1	CWA20C2853	←	

REF. NO.	PART NAME & DESCRIPTION	QTY	CS-A18NKS	CS-A24NKS	REMARK
50	BAG	1	CWG861498	←	
51	SHOCK ABSORBER (L)	1	CWG713402	←	
52	SHOCK ABSORBER (R)	1	CWG713403	←	
53	C.C.CASE	1	CWG567442	CWG567443	

(Note)

- All parts are supplied from PAPAMY, Malaysia (Vendor Code: 00029488).
- “O” marked parts are recommended to be kept in stock.

18.2 Outdoor Unit



Note

The above exploded view is for the purpose of parts disassembly and replacement.
The non-numbered parts are not kept as standard service parts.

REF. NO.	PART NAME & DESCRIPTION	QTY	CU-A18NKS	CU-A24NKS	REMARK
1	CHASSIS ASSY	1	CWD50K2121	CWD50K2087	
2	COMPRESSOR	1	2KS252F5AA04	2JS386F3AA04	O
3	ANTI-VIBRATION BUSHING	3	CWH50055	←	
4	NUT-COMPRESSOR MOUNT	3	CWH561049	←	
5	PACKING	3	CWB81043	-	
6	CONDENSER	1	CWB32C1646	CWB32C2681	
7	SOUND PROOF BOARD	1	CWH151056	←	
8	FAN MOTOR BRACKET	1	CWD541055	←	
9	SCREW - FAN MOTOR BRACKET	2	CWH551217	←	
10	FAN MOTOR	1	CWA951840	←	O
11	SCREW - FAN MOTOR MOUNT	3	CWH55252J	←	
12	PROPELLER FAN ASSY	1	CWH03K1017	←	
13	NUT - PROPELLER FAN	1	CWH561092	CWH561038J	
14	HOLDER - COUPLING	1	CWH351036	←	
15	2 WAYS VALVE (LIQUID)	1	CWB021117	←	O
16	TUBE ASSY (CHK.VALVE,CAP.TUBE)	1	CWT01C3316	CWT01C6056	
17	3 WAYS VALVE (GAS)	1	CWB011212	CWB011484	O
18	TERMINAL COVER	1	CWH171011	CWH171012	
19	NUT-TERMINAL COVER	1	CWH7080300J	←	
20	CONTROL BOARD CASING	1	CWH102206	←	
21	CAPACITOR-FM	1	DS441355NPQA	←	O
22	CAPACITOR-COMP	1	CWA312078	DS441606CPNA	O
23	HOLDER-CAPACITOR	1	CWH30060	CWH30071	
24	TERMINAL BOARD ASSY	1	CWA28K1070J	CWA28K1063J	
25	CABINET SIDE PLATE(L)	1	CWE041082A	←	
26	HANDLE	1	CWE161010	←	
27	CABINET SIDE PLATE(R)	1	CWE041100A	←	
28	HANDLE	2	CWE16000E	←	
29	CABINET FRONT PLATE CO.	1	CWE06K1045	←	
31	CABINET TOP PLATE	1	CWE03K1011A	←	
32	CONTROL BOARD COVER (BOTTOM)	1	CWH131168	←	
33	CONTROL BOARD COVER (TOP)	1	CWH131169A	←	
34	SOUND PROOF MATERIAL	2	CWG302408	←	
35	ELECTRONIC CONTROLLER - MAIN	1	CWA743383	←	
36	4 WAYS VALVE	1	CWB001026J	CWB001056	
37	V-COIL COMPLETE (4-WAYS VALVE)	1	CWA43C2121J	←	
38	SENSOR COMPLETE	1	CWA50C618	←	
39	FLEXIBLE PIPE	1	CWH5850080	←	
40	PACKING – L.TUBE	1	CWB81012	←	
41	ACCESSORY CO. (DRAIN ELBOW)	1	CWG87C900	←	
46	BAG	1	CWG861154	←	
47	BASE BOARD-COMPLETE	1	CWG62C1031	←	
48	TOP BOARD COMPLETE	1	CWG60C1016	←	
50	C.C.CASE	1	CWG567765	CWG567766	
51	STRAINER	1	-	CWB11025	

REF. NO.	PART NAME & DESCRIPTION	QTY	CU-A18NKS	CU-A24NKS	REMARK
52	OVERLOAD PROTECTOR WITH WIRE	1	CWA67C8652	-	
53	WIRE NET	1	CWD041041A	←	

(Note)

- All parts are supplied from PAPAMY, Malaysia (Vendor Code: 00029488).

“O” marked parts are recommended to be kept in stock.