

6 . CASSETTE TYPE :

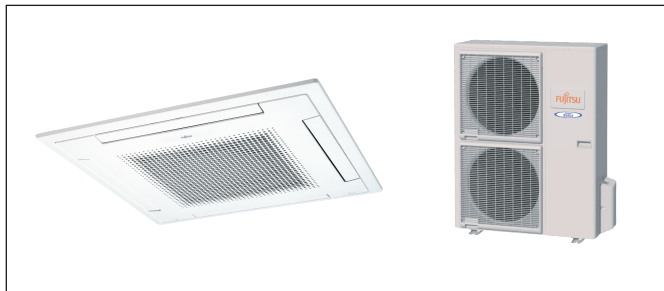


AU * 54LUAS

6-1. FEATURE

■ MODELS :

AU*54LUAS / AO*54LJBYL



■ FEATURES

● Easy maintenance

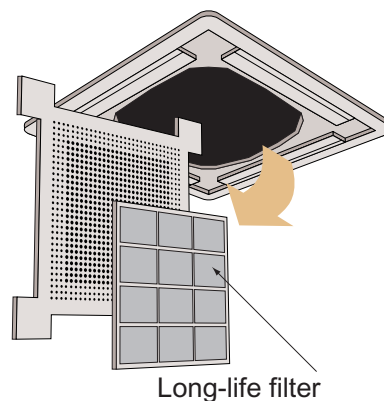
The control box is easily accessible for maintenance work
Wide opening for easy access.

Detachable, washable filter and intake grille.

Wide opening and long-life filter.

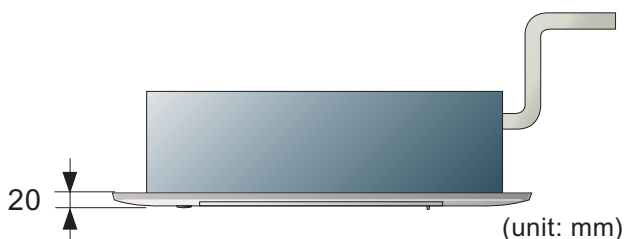
Long-life filter

High efficiency, long-life filter extends the cleaning cycle.



● Slim intake grille

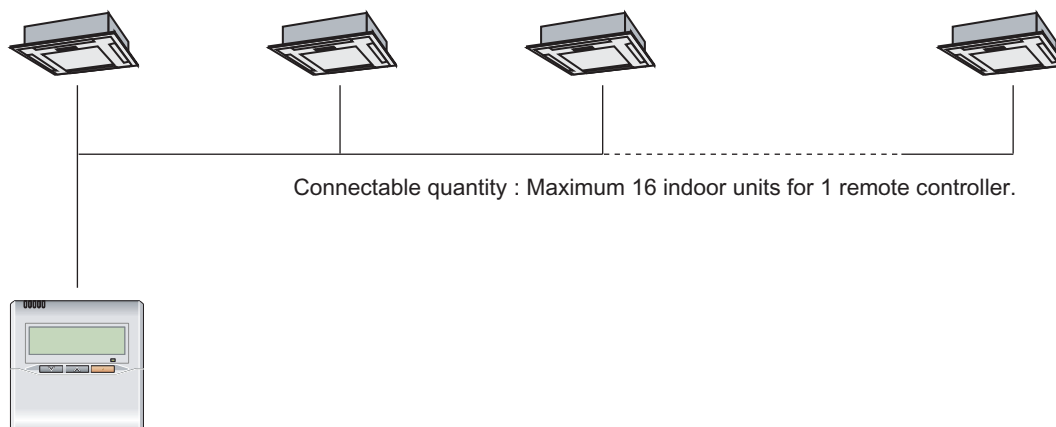
Slim type intake grille can fit the ceiling after installation.



● Group controller

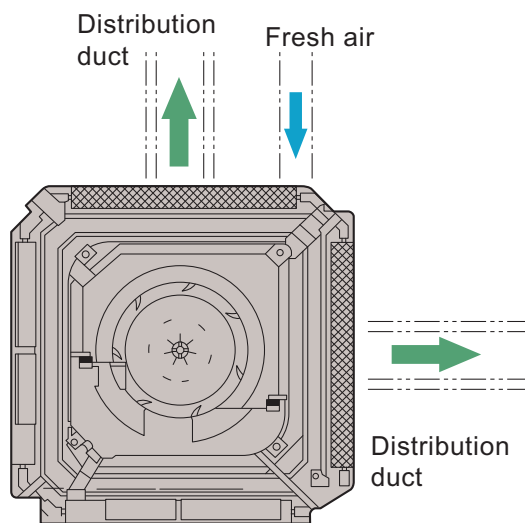
One remote controller can control up to 16 air conditioners.

All of the air conditioners will be operated with the same settings.

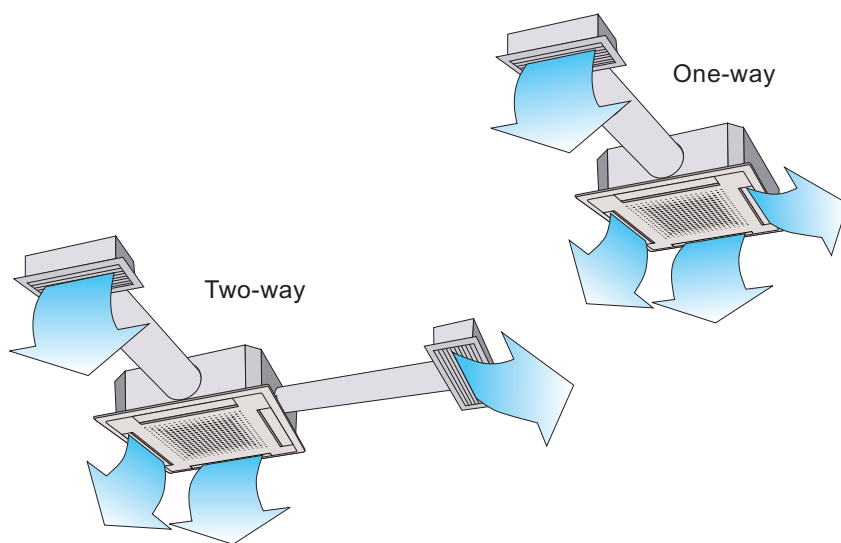


● Duct connection hole opening

Fresh air can be introduced through this opening.



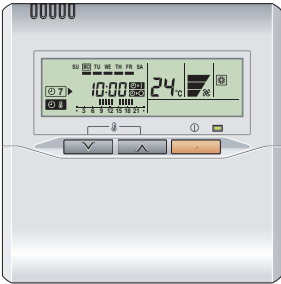
● Conditioned air can be distributed by means of a distribution duct.



6-2. REMOTE CONTROLLER

6-2-1. WIRED REMOTE CONTROLLER

■FEATURES



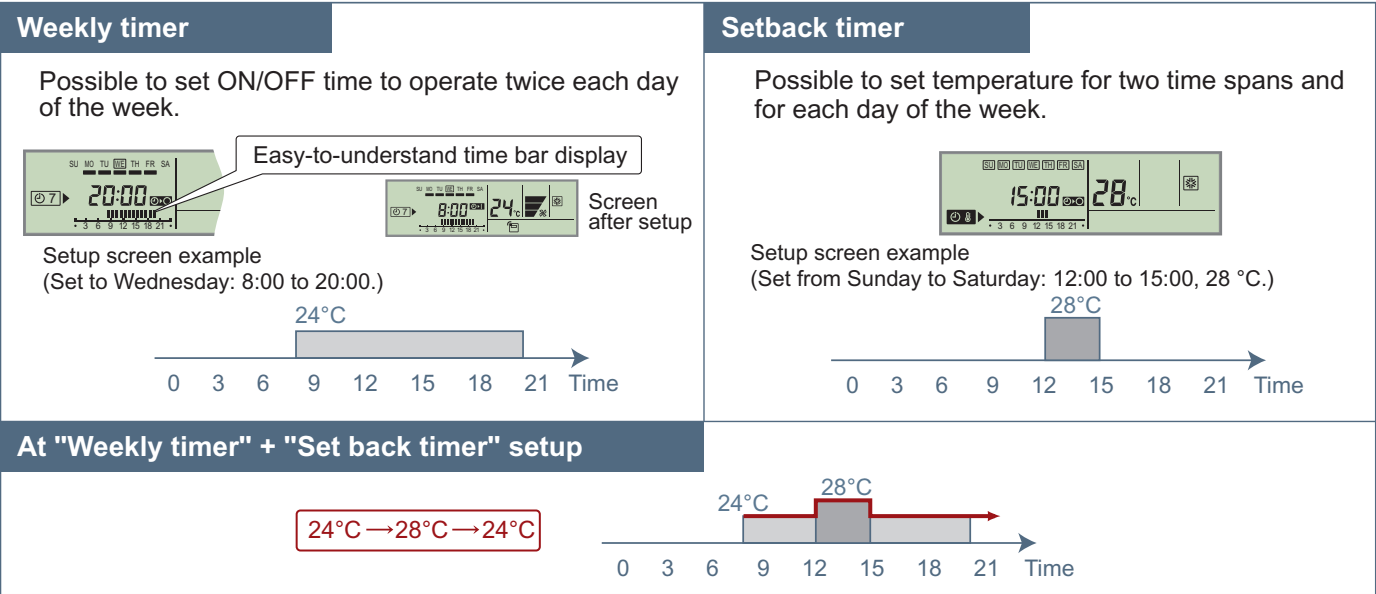
- * Various timer setup (ON / OFF / WEEKLY) are possible.
- * Equipped with weekly timer as standard function. (2 times Start / Stop per day for a week)
- * When setting up a timer, operation mode and a temperature setup can be changed.
- * When a failure occurs, the error code is displayed. (Maximum of 16)
- * Error indication. (A maximum of 16 error histories are memorizable.)
- * Up to 16 indoor units can be simultaneously controlled.
- * Anti freeze and energy saving operation are possible.
- * Easy installation with a slim shape with no boldge in the back.
- * The room temperature can be controlled by being detected the temperature accurately with built-in thermo sensor.

●High performance and compact size

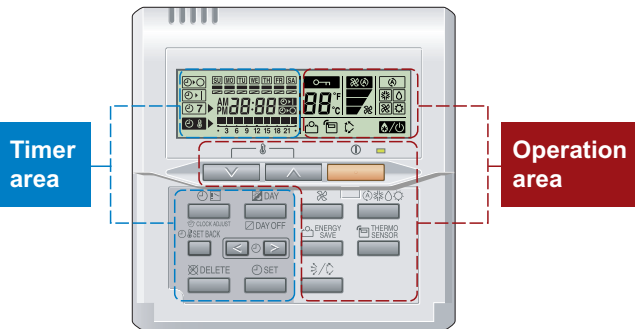
Three functions are combined in one unit.



●Built-in timers



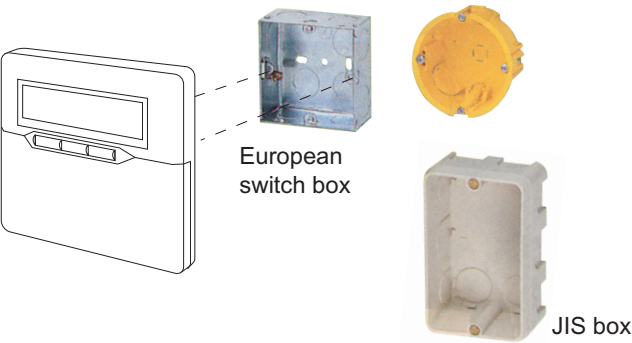
●Easy-to-understand operation



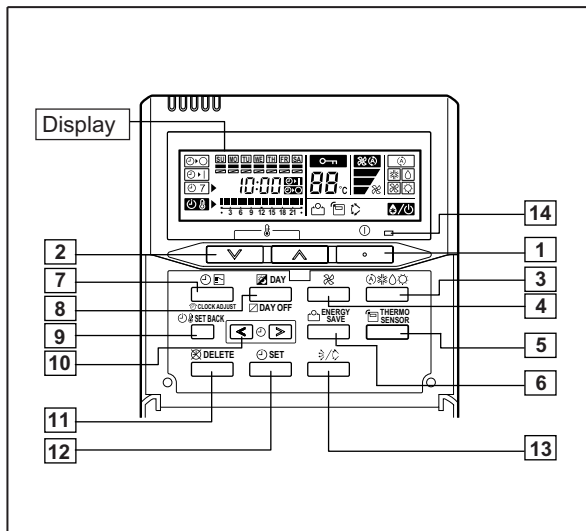
[Variable timer control]
The operation/display sections are zoned according to time and operation, enabling variable programming to match application.

●Simple installation

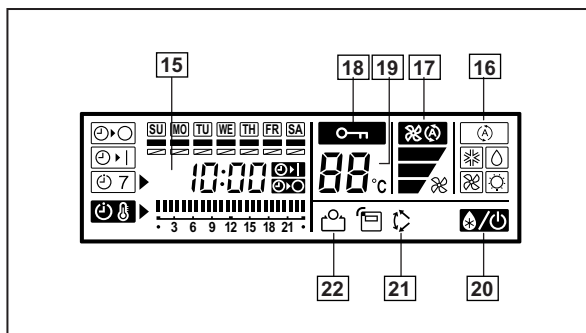
Components are compatible with standard switch boxes. Flat back construction allows equipment to be installed wherever it is needed.



FUNCTIONS

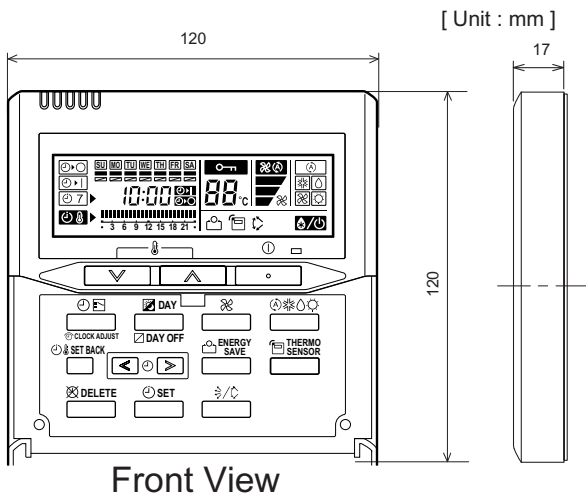


Display panel



- 1** START/STOP button
Pressed to start and stop operation.
- 2** Set Temperature button
Selects the setting temperature.
- 3** Master control button
Selects the operating mode(AUTO, HEAT, FAN, COOL, DRY).
- 4** Fan control button
Selects the fan speed (AUTO, LOW, MED, HIGH).
- 5** Thermo sensor button
- 6** Energy save button
Turns the energy efficient mode on and off.
- 7** Timer mode (CLOCK ADJUST) button
Selects the timer mode (OFF TIMER, ON TIMER, WEEKLY TIMER) Set the current time.
- 8** Day (DAY OFF) button
Temporarily cancels of one day timer.
- 9** Set back button
pressed select the set back timer.
- 10** Set time button
Pessed to select the set back timer.
- 11** Delete button
The schedule of a weekly timer is deleted.
- 12** Set button
Sets the date, hour, minute and on-off time.
- 13** Vertical air flow direction and swing button
Push for two seconds to change the swing mode
- 14** Operation lamp
Lights during operation and when the timer is on.
- 15** Timer and clock display
- 16** Operation mode display
- 17** Fan speed display
- 18** Central control display
- 19** Temperature display
- 20** Stand by display
Indicates during the oil recovery and defrosting operation.
- 21** Vertical swing display
- 22** Energy save display

DIMENSION



SPECIFICATION

SIZE (H x W x D mm)	120 x 120 x 17
WEIGHT (g)	160
CABLE LENGTH (m)	10
POWER (V)	12

6-3. SPECIFICATIONS

TYPE				CASSETTE MODELS	
				INVERTER HEAT PUMP TYPE	
MODEL NAME		INDOOR		AU * 54LUAS	
		OUTDOOR		AO * 54LJBYL	
POWER SOURCE				230V ~ 50Hz	
AVAILABLE VOLTAGE RANGE				198 - 264V ~ 50Hz	
CAPACITY	COOLING	RATED / MAX	kW	13.3 / 14.5	
			BTU/h	45400 / 49500	
	HEATING	RATED / MAX	kW	16.0 / 16.5	
			BTU/h	54600 / 56300	
INPUT POWER	COOLING	RATED / MAX	kW	5.45 / 5.70	
	HEATING	RATED / MAX		4.95 / 5.20	
CURRENT	COOLING	RATED / MAX	A	23.8 / 25.0	
	HEATING	RATED / MAX		21.6 / 22.8	
STARTING CURRENT			A	15	
EER		COOLING	kW/kW	2.44	
COP		HEATING		3.23	
MOISTURE REMOVAL			l/h (pints/h)	5.5(11.6)	
AIR CIRCULATION COOL/HEAT	INDOOR	High	m³/h	1700/1700	
		Med		1420/1420	
		Low		1200/1200	
		Quiet		-	
	OUTDOOR	High	m³/h	6600/6600	
		Low		-	
FAN SPEED COOL/HEAT	INDOOR	High	r.p.m	680/680	
		Med		580/580	
		Low		500/500	
		Quiet		-	
	OUTDOOR	High	r.p.m	Upper fan : 850 , Lower fan : 750	
		Low		-	
FAN TYPE × Q'ty		INDOOR		Turbo × 1	
		OUTDOOR		Propeller × 2	
FAN MOTOR OUTPUT		INDOOR	W	100	
		OUTDOOR		103 × 2	
NOISE LEVEL (SOUND PRESSURE) COOL/HEAT	INDOOR	High	dB(A)	50 / 50	
		Med		48 / 48	
		Low		45 / 45	
		Quiet		-	
OUTDOOR	High	dB(A)	54 / 55.5		
	Low		-		
COMPRESSOR	TYPE		DC SCROLL(INVERTER)		
	OUTPUT		W	2500	
	STARTING METHOD			Inverter	
HEAT EXCHANGER TYPE	INDOOR	Coil		Copper tube	
		Fin		Aluminium	
		Rows x Stages		3 × 12	
		Fin Pitch	mm	1.4	
		Coil Dimensions		252 × 970 × 39.9	
	OUTDOOR	Coil		Copper tube	
		Fin		Aluminium	
Rows × Stages		2 × (38 + 22)			
Fin Pitch		mm	1.3		
Coil Dimensions	1260 × 900 × 36.38				
CASING COLOR		INDOOR		White(5Y9/0.5NN)	
		OUTDOOR		Beige(10YR7.5/1.0NN)	
DIMENSIONS H × W × D	INDOOR	NET	mm	296 × 830 × 830	
	OUTDOOR			1290 × 900 × 330	
	INDOOR	GROSS		455 × 1060 × 1025	
	OUTDOOR			1430 × 1050 × 445	
WEIGHT	INDOOR	NET	kg(lb)	40 (88)	
	OUTDOOR			105 (231)	
	INDOOR	GROSS		55 (121)	
	OUTDOOR			112 (247)	
PIPE	CONNECTION METHOD			FLARE	
	SIZE	LIQUID	mm	Φ9.52(3/8 inc.)	
		GAS		Φ15.88(5/8 inc.)	
	MAX LENGTH		m	70 (chargeless:20)	
	MAX HEIGHT		m	30	
REFRIGERANT		TYPE		R410A	
		CHARGE	g	3400	
REFRIGERANT OIL		TYPE		POE	
OPERATION(OUTDOOR)		COOLING	°C	-15 to 43	
		HEATING		-15 to 24	
REMOTE CONTROLLER TYPE				WIRED	
DRAIN PIPE	MATERIAL			ABS	
	SIZE		mm	Outer diameter 37.0 / Inner diameter 32.0	

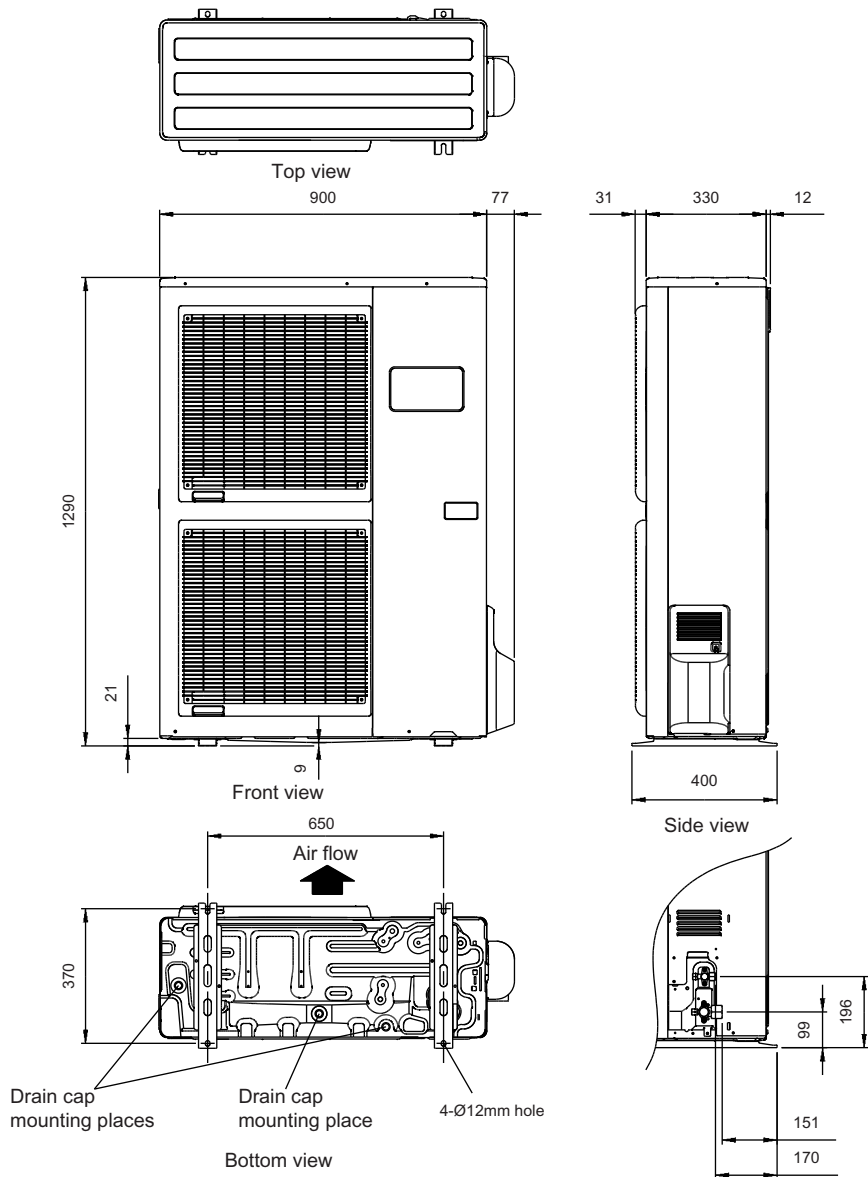
Note: Specifications are based on the following conditions.
Cooling: Indoor temperature of 27°CDB / 19°CWB, and outdoor temperature of 35°CDB/24°CWB.
Heating: Indoor temperature of 20°CDB / 15°CWB, and outdoor temperature of 7°CDB/6°CWB.
Pipe length : 7.5 m, Height difference : 0 m.(Outdoor unit - Indoor unit)

6-4. DIMENSIONS

6-4-1. OUTDOOR UNIT

■MODEL : AO*54L

(Unit : mm)

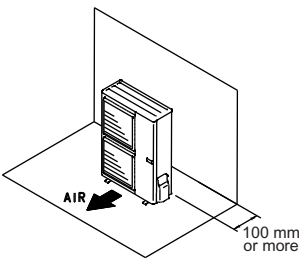


CASSETTE TYPE
AU54

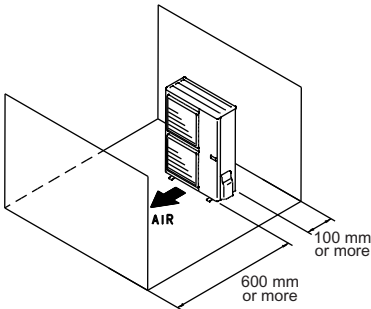
CASSETTE TYPE
AU54

■MOUNTING POSITION

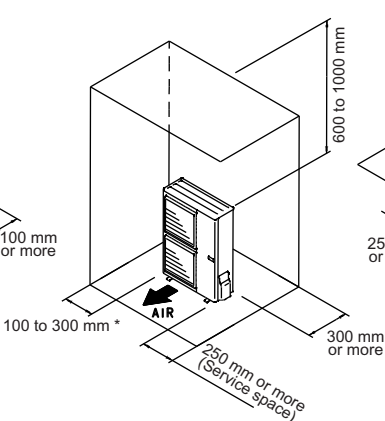
When there are obstacles at the back or front side.



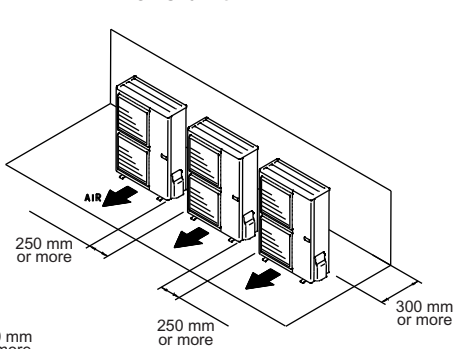
When there are obstacles at the back and front sides.



When there are obstacles at the back, side(s), and top.



When there are obstacles at the back side with the installation of more than one unit.

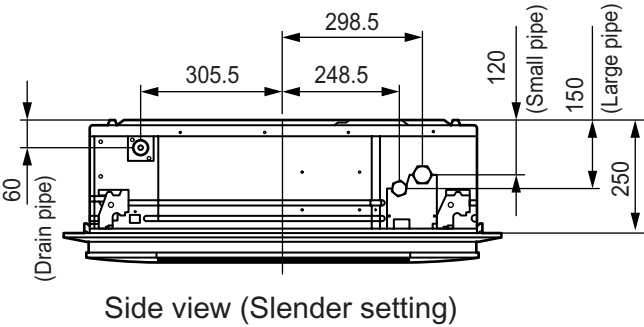
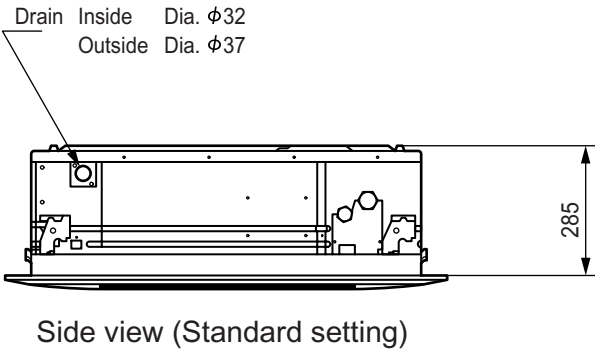
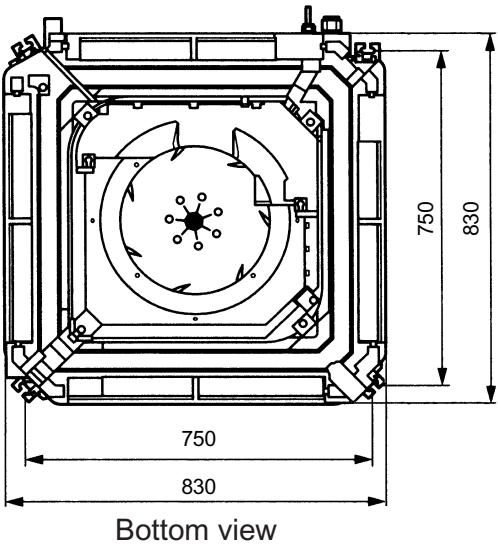
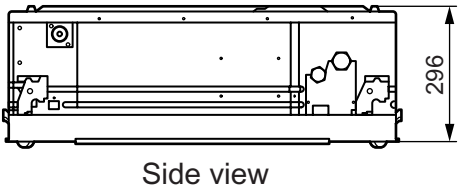
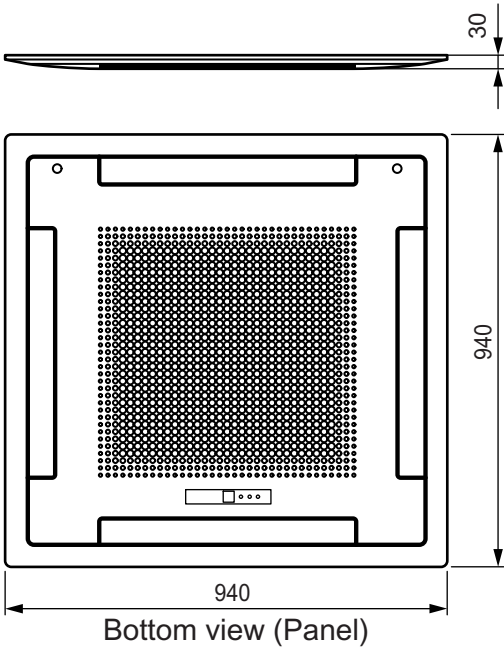


* If the space is larger than that is stated, the condition will be the same as that there are no obstacles.

6-4-2. INDOOR UNIT

■MODEL : AU*54L

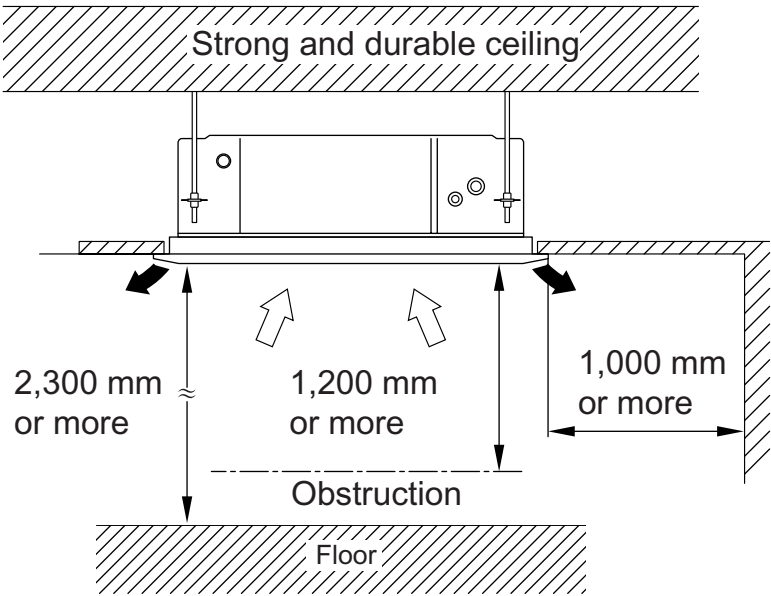
(Unit : mm)



CASSETTE TYPE
AU54

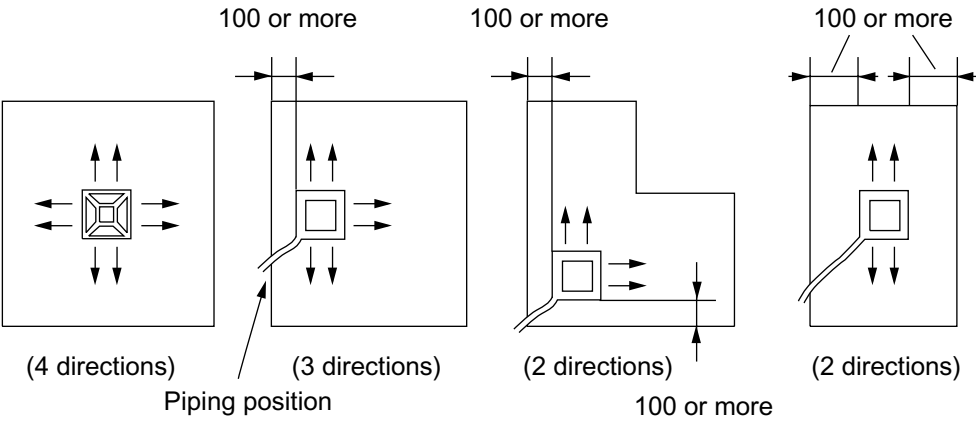
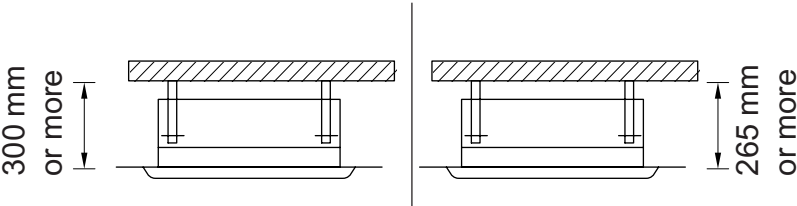
CASSETTE TYPE
AU54

■ MOUNTING POSITION



You can select 2-way setting

- (A) Standard setting
- (B) Slender setting

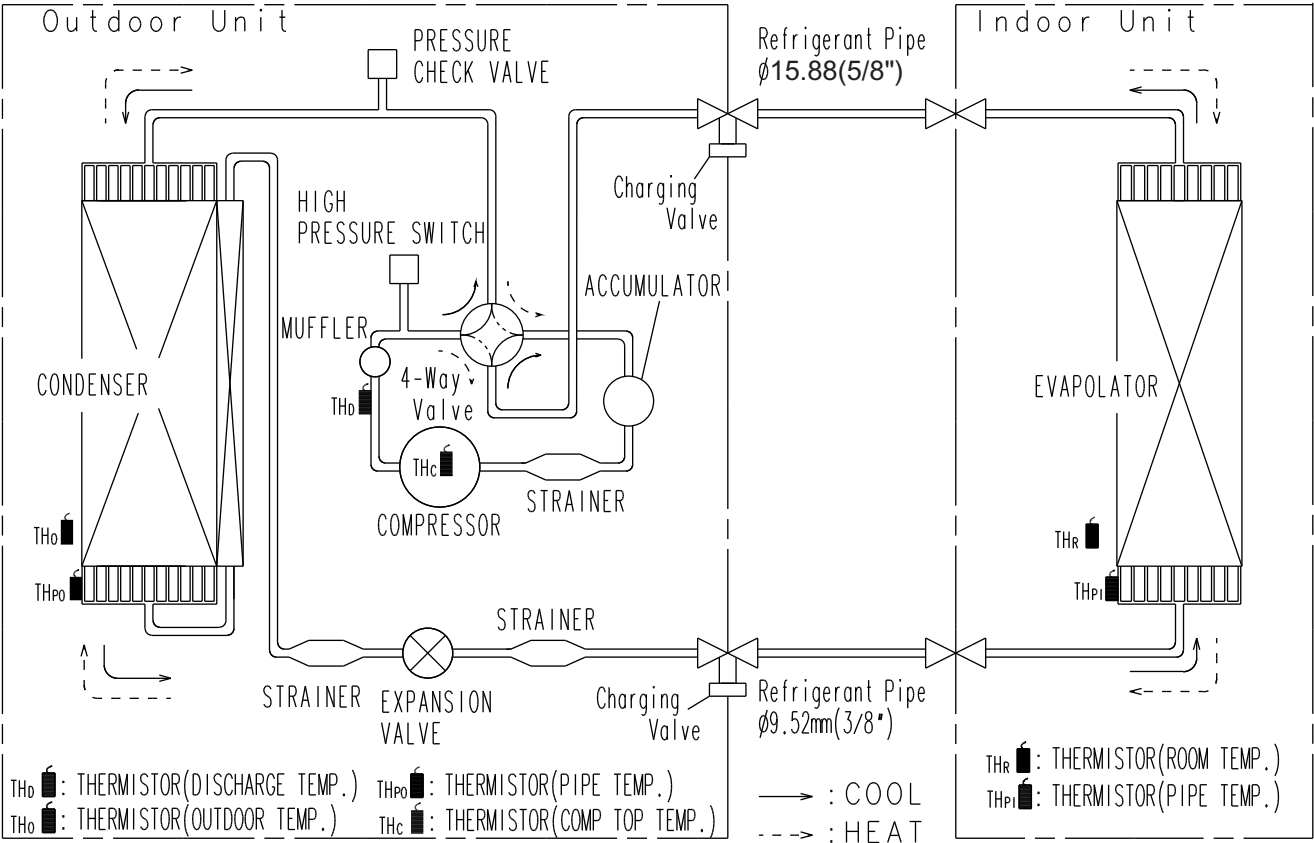


CASSETTE TYPE
AU54

CASSETTE TYPE
AU54

6-5. REFRIGERANT CIRCUIT

■ MODELS : AU*54L / AO*54L



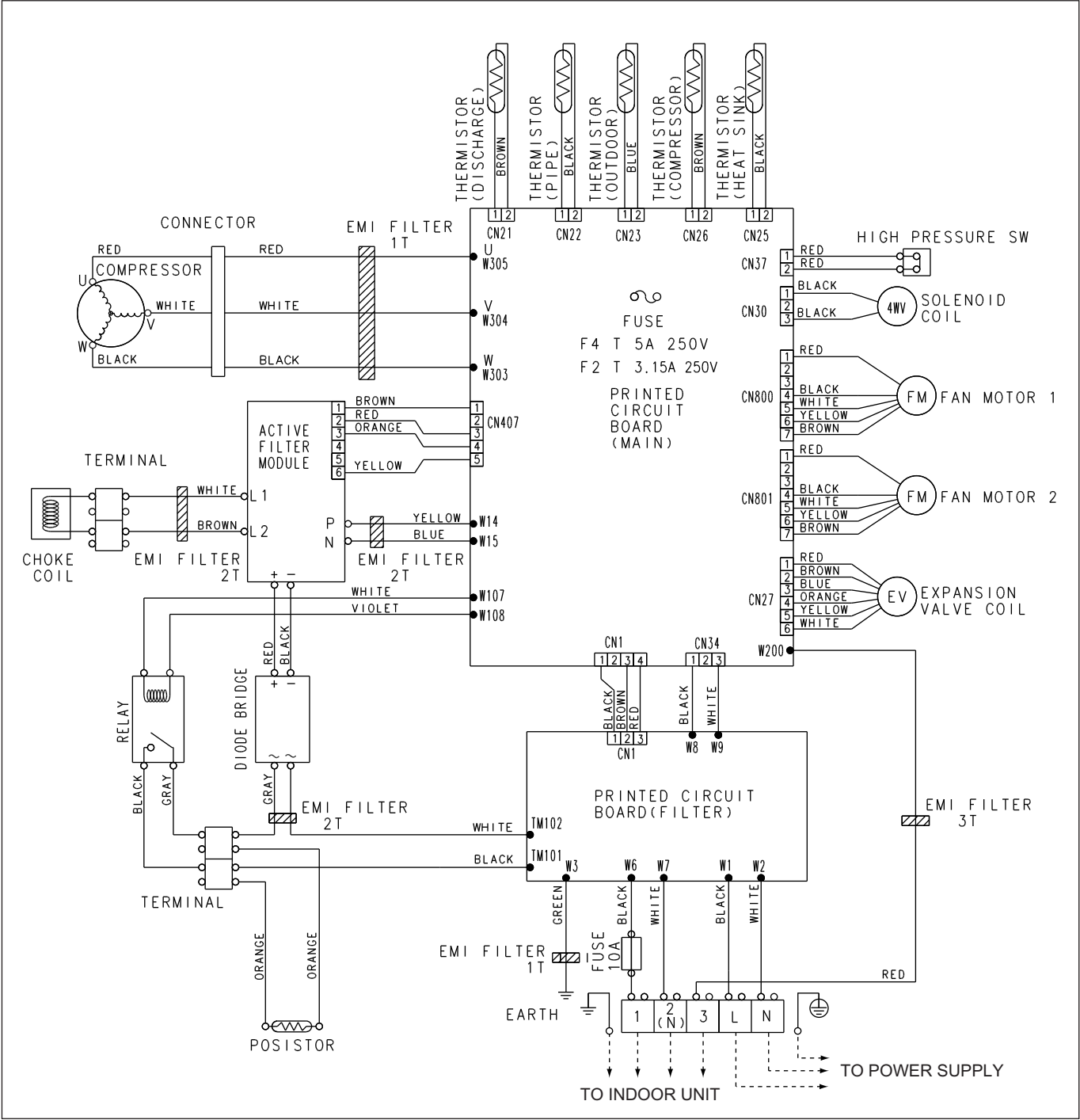
CASSETTE TYPE
AU54

CASSETTE TYPE
AU54

6-6. WIRING DIAGRAMS

6-6-1. OUTDOOR UNIT

■MODEL : AO*54L

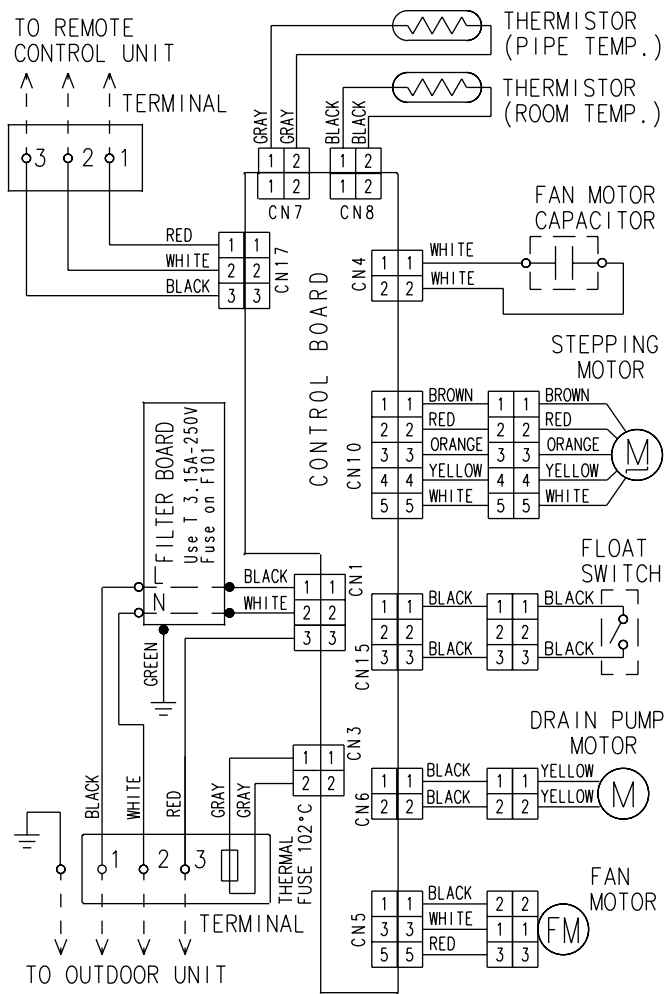


CASSSETTE TYPE
AU54

CASSSETTE TYPE
AU54

6-6-2. INDOOR UNIT

■MODEL : AU*54L



CASSETTE TYPE
AU54

CASSETTE TYPE
AU54

6-7. CAPACITY TABLE

■ MODELS : AU*54L / AO*54L

● COOLING

AFR 28.3

		Indoor temperature																							
		18°CDB			21°CDB			23°CDB			26°CDB			27°CDB			29°CDB			30°CDB			32°CDB		
		12°CWB			15°CWB			16°CWB			18°CWB			19°CWB			21°CWB			22°CWB			23°CWB		
Outdoor temperature	(°CDB)	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	-15	10.42	8.29	2.26	10.97	9.01	2.28	11.53	9.76	2.30	12.51	11.04	2.34	13.00	11.06	2.36	13.98	11.10	2.40	14.49	11.12	2.42	15.00	12.00	2.43
	-10	12.43	9.05	2.68	13.09	9.84	2.71	13.43	10.72	2.72	14.12	11.49	2.76	14.45	11.41	2.78	15.09	11.19	2.80	15.39	11.06	2.81	15.66	11.81	2.82
	0	11.40	8.25	3.34	12.00	8.97	3.38	12.29	9.82	3.40	12.86	10.58	3.44	13.14	10.48	3.47	13.71	10.30	3.49	13.96	10.20	3.50	14.22	10.98	3.51
	10	10.84	8.03	3.68	11.41	8.72	3.72	11.70	9.59	3.74	12.27	10.36	3.79	12.56	10.28	3.80	13.11	10.10	3.83	13.40	10.02	3.85	13.66	10.81	3.86
	20	13.06	8.93	3.90	13.75	9.70	3.91	14.18	10.60	3.91	15.06	11.46	3.90	15.52	11.43	3.89	16.47	11.37	3.87	16.91	11.33	3.85	17.38	12.16	3.84
	30	11.53	8.30	4.68	12.13	9.02	4.69	12.55	9.93	4.70	13.41	10.78	4.72	13.84	10.75	4.73	14.74	10.66	4.73	15.18	10.60	4.73	15.59	11.43	4.73
	35	11.50	8.29	5.70	12.10	9.01	5.70	12.53	9.92	5.70	13.32	10.76	5.70	14.50	10.72	5.70	14.52	10.86	5.70	14.95	10.52	5.70	15.35	11.35	5.70
	40	9.95	7.54	5.15	10.48	8.20	5.15	10.74	9.03	5.15	11.36	9.82	5.15	11.75	9.83	5.15	13.00	9.75	5.15	12.73	9.74	5.15	13.08	10.56	5.15
	43	9.13	7.22	5.15	9.61	7.84	5.15	9.97	8.72	5.15	10.63	9.54	5.15	11.01	9.51	5.15	11.58	9.39	5.15	11.93	9.34	5.15	12.26	10.14	5.15

● HEATING

AFR 28.3

			Indoor temperature													
			16°CDB		18°CDB		20°CDB		23°CDB		25°CDB		27°CDB		30°CDB	
Outdoor temperature	(°CDB)	(°CWB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	-15	-16	8.79	4.27	8.61	4.34	8.49	4.68	8.10	4.68	8.00	5.20	7.68	5.20	7.29	5.20
	-10	-11	10.83	4.74	10.60	4.83	10.34	4.91	9.98	5.04	9.85	5.20	9.46	5.20	8.98	5.20
	-4	-6	12.84	4.96	12.56	5.05	12.28	5.14	11.78	5.20	11.40	5.20	11.04	5.20	10.44	5.20
	1	-1	14.80	5.20	14.41	5.20	14.02	5.20	13.35	5.20	12.84	5.20	12.41	5.20	11.71	5.20
	7	6	17.27	5.20	16.74	5.20	16.50	5.20	15.59	5.20	14.96	5.20	14.28	5.20	13.39	5.20
	12	10	18.21	5.20	17.67	5.20	17.11	5.20	16.39	5.20	15.70	5.20	15.14	5.20	14.16	5.20
	18	13	19.05	5.20	18.65	5.20	18.07	5.20	17.22	5.20	16.65	5.20	16.01	5.20	14.94	5.20
	20	15	18.77	5.20	18.26	5.20	17.87	5.20	17.04	5.20	16.32	5.20	15.75	5.20	14.76	5.20
24	17	17.50	5.20	17.01	5.20	16.62	5.20	15.82	5.20	15.11	5.20	14.61	5.20	13.62	5.20	

AFR: Air flow rate (m³/min)

TC : Total capacity (kW)

SHC: Sensible Heat capacity (kW)

PI : Power Input (kW)

6-8. CAPACITY COMPENSATION FOR PIPE LENGTH AND HEIGHT DIFFERENCE

■ MODELS : AU*54L / AO*54L

● COEFFICIENT OF COMPENSATION FOR HEIGHT DIFFERENCE

COOLING			PIPE LENGTH (m)								
			5	7.5	10	20	30	40	50	60	70
HEIGHT DIFFERENCE (m)	Outdoor unit is bottom-side	30	-	-	-	-	0.907	0.880	0.858	0.837	0.817
		20	-	-	-	0.940	0.907	0.880	0.858	0.837	0.817
		10	-	-	0.985	0.940	0.907	0.880	0.858	0.837	0.817
		7.5	-	1.000	0.985	0.940	0.907	0.880	0.858	0.837	0.817
		5	1.000	1.000	0.985	0.940	0.907	0.880	0.858	0.837	0.817
		0	1.000	1.000	0.985	0.940	0.907	0.880	0.858	0.837	0.817
	Outdoor unit is up-side	-5	0.992	0.992	0.977	0.932	0.900	0.873	0.851	0.830	0.811
		-7.5	-	0.988	0.973	0.929	0.896	0.869	0.847	0.827	0.808
		-10	-	-	0.969	0.925	0.892	0.866	0.844	0.823	0.804
		-20	-	-	-	0.910	0.878	0.852	0.830	0.810	0.791
		-30	-	-	-	-	0.863	0.838	0.817	0.797	0.778

HEATING			PIPE LENGTH (m)								
			5	7.5	10	20	30	40	50	60	70
HEIGHT DIFFERENCE (m)	Outdoor unit is bottom-side	30	-	-	-	-	0.923	0.912	0.899	0.886	0.874
		20	-	-	-	0.949	0.933	0.921	0.908	0.896	0.883
		10	-	-	0.980	0.958	0.942	0.931	0.917	0.905	0.892
		7.5	-	0.993	0.983	0.961	0.945	0.933	0.920	0.907	0.894
		5	0.995	0.995	0.985	0.963	0.947	0.936	0.922	0.909	0.896
		0	1.000	1.000	0.990	0.968	0.952	0.940	0.927	0.914	0.901
	Outdoor unit is up-side	-5	1.000	1.000	0.990	0.968	0.952	0.940	0.927	0.914	0.901
		-7.5	-	1.000	0.990	0.968	0.952	0.940	0.927	0.914	0.901
		-10	-	-	0.990	0.968	0.952	0.940	0.927	0.914	0.901
		-20	-	-	-	0.968	0.952	0.940	0.927	0.914	0.901
		-30	-	-	-	-	0.952	0.940	0.927	0.914	0.901

6-9. ADDITIONAL CHARGE CALCULATION

■ MODELS : AU*54L / AO*54L

REFRIGERANT TYPE		R410A
REFRIGERANT AMOUNT	g	3400

● REFRIGERANT CHARGE

PIPE LENGTH	m	~20	30	40	50	60	70 (MAX)	40g/m
ADDITIONAL CHARGE	g	0 (Charge less)	+400	+800	+1200	+1600	+2000	

6-10. OPERATION RANGE

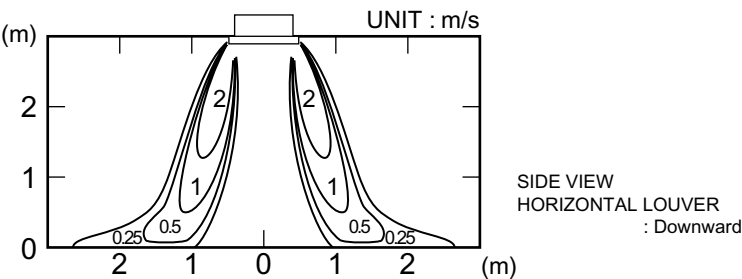
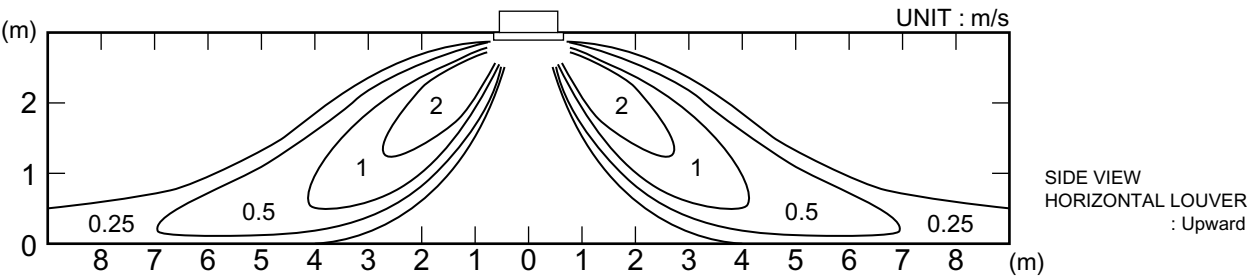
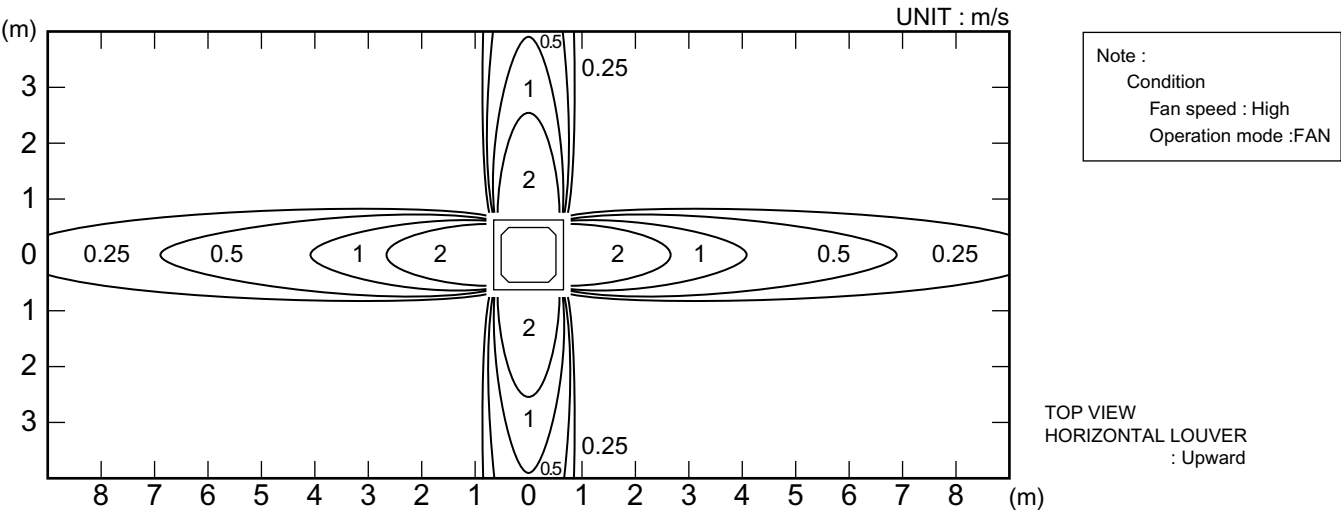
Model			Operation Range		
Indoor unit	Outdoor unit	Mode	Indoor unit	Indoor humidity	Outdoor unit
AU*54L	AO*54L	Cooling Dry	18 to 32 °C	About 80% or less	-15 to 43 °C
		Heating	16 to 30 °C	-	-15 to 24 °C

6-11. FAN PERFORMANCE AND AIR FLOW

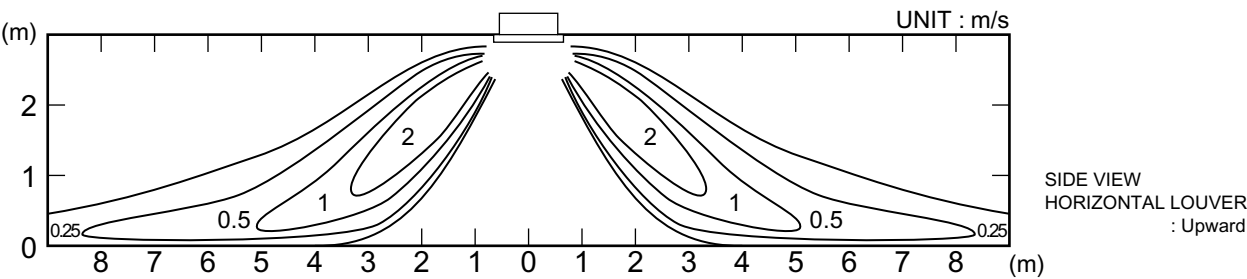
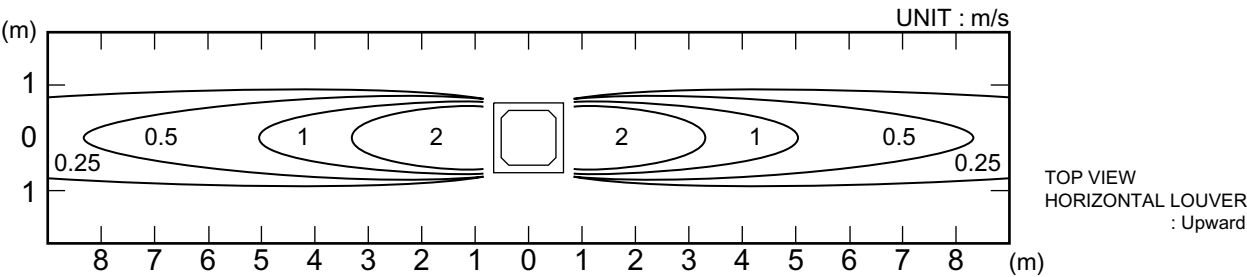
6-11-1. AIR VELOCITY DISTRIBUTION

■MODEL : AU*54L

4-WAY AIR OUTLET



2-WAY AIR OUTLET



CASSETTE TYPE
AU54

CASSETTE TYPE
AU54

6-11-2. AIR FLOW

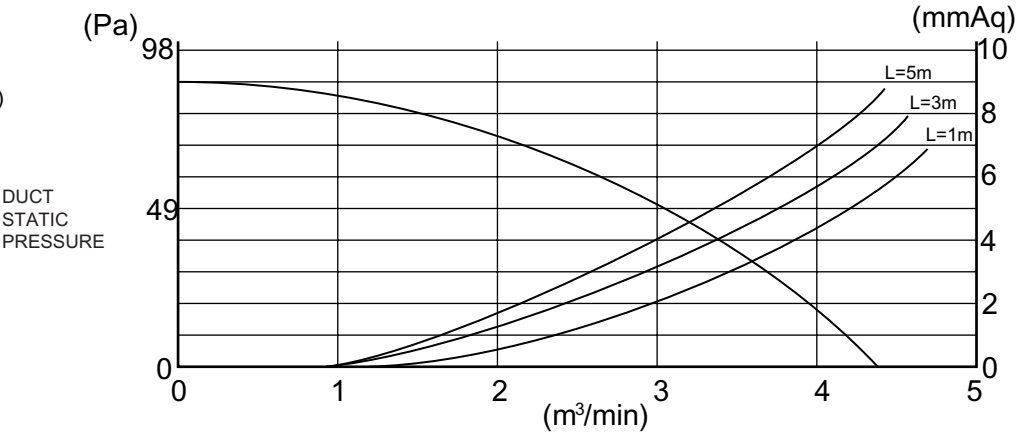
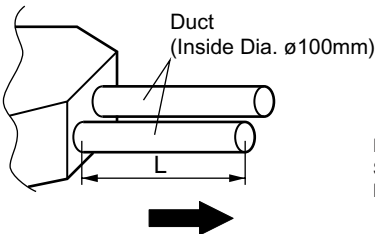
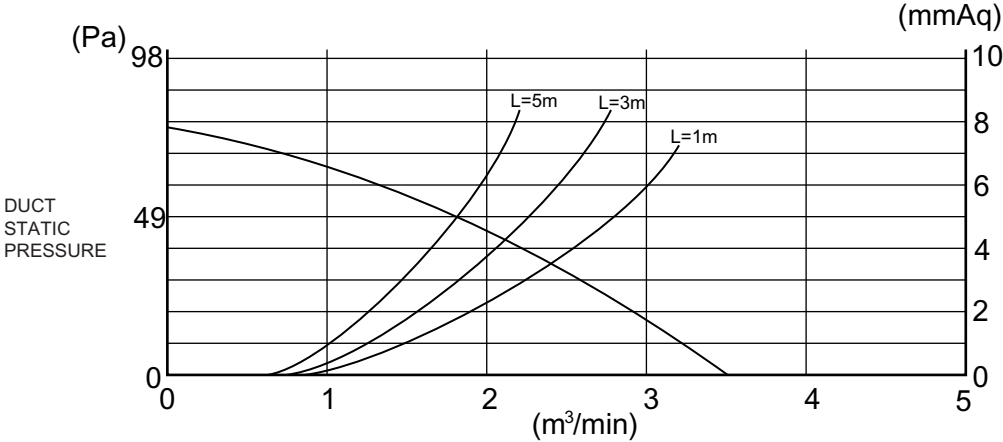
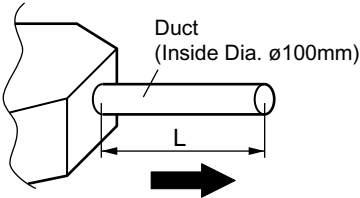
■ MODELS : AU*54L / AO*54L

	FAN SPEED		NUMBER OF ROTATIONS (r.p.m)	AIR FLOW	
Indoor unit	HIGH		680	m ³ /h	1700
				l/s	472
				CFM	1000
	MED		580	m ³ /h	1420
				l/s	394
				CFM	836
	LOW		500	m ³ /h	1200
				l/s	333
				CFM	706
Outdoor unit	HIGH	Upper fan	850	m ³ /h	6600
		Lower fan	750	l/s	1833
				CFM	3884

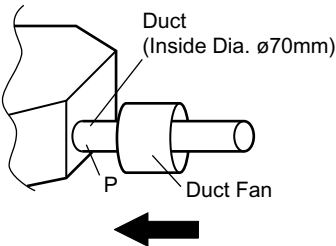
6-11-3. DUCT CONNECTION

■ MODEL : AU*54L

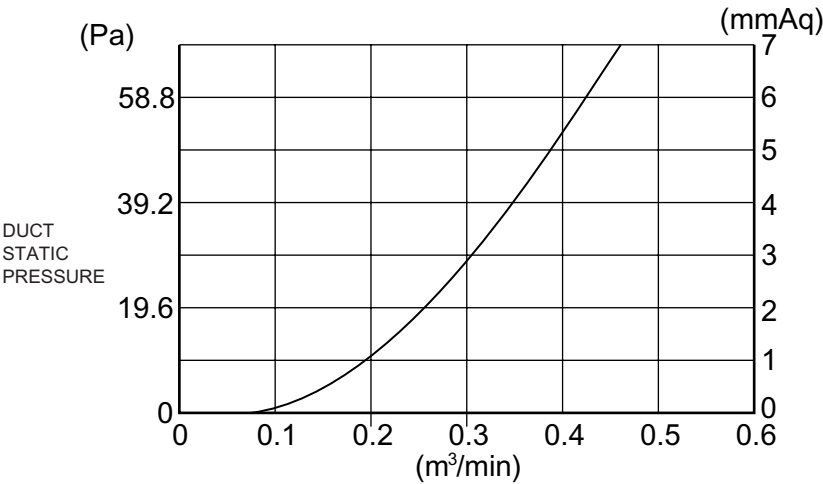
● OUTLET AIR



● FRESH AIR



Static pressure required to take in fresh air



CASSETTE TYPE
AU54

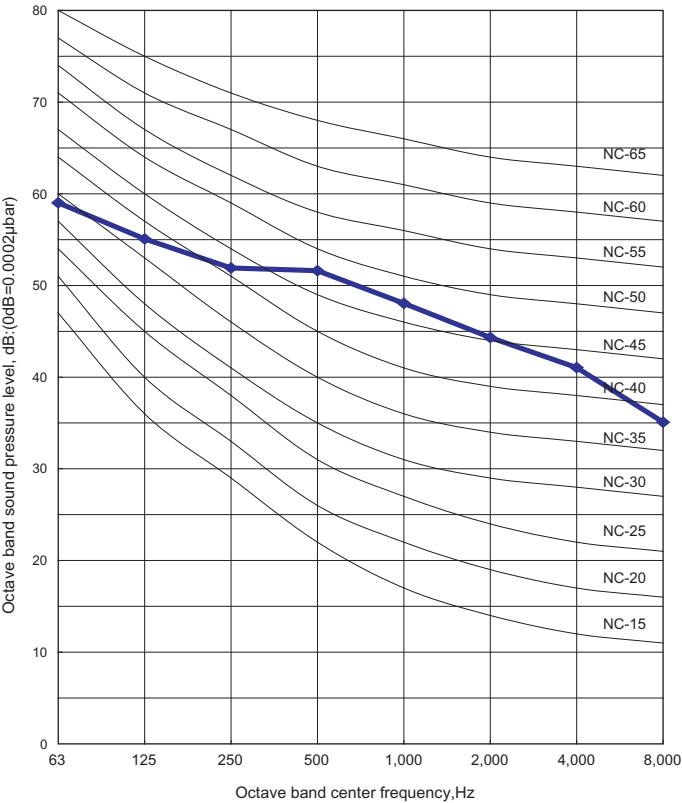
CASSETTE TYPE
AU54

6-12. NOISE LEVEL CURVE

6-12-1. OUTDOOR UNIT

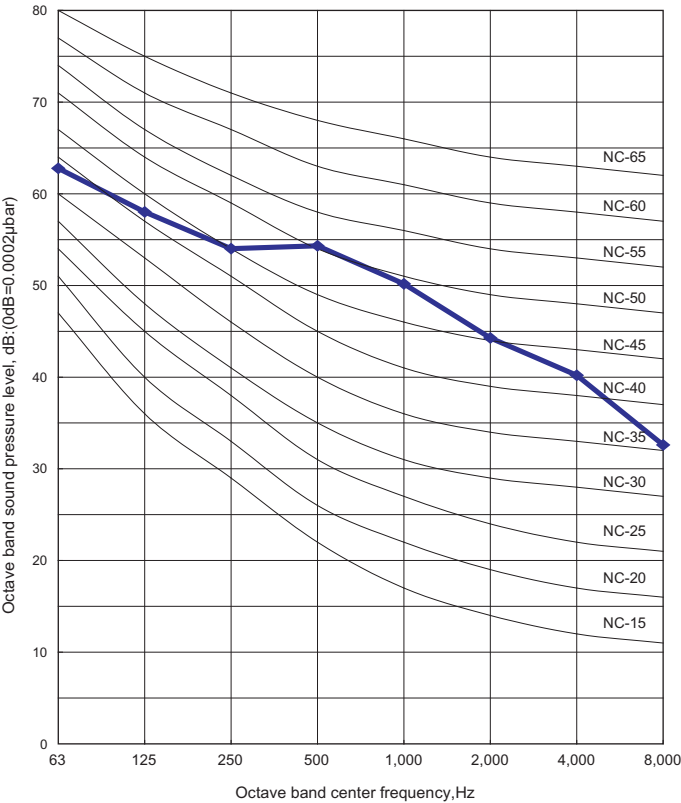
■ COOLING

● MODEL : AO*54L



■ HEATING

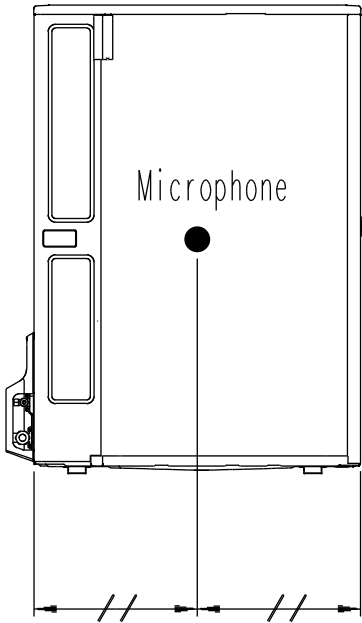
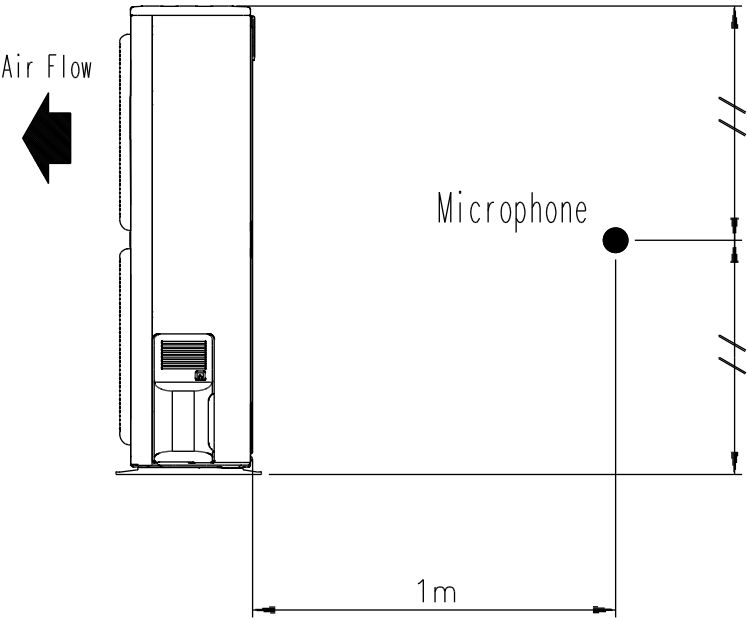
● MODEL : AO*54L



CASSETTE TYPE
AU54

CASSETTE TYPE
AU54

■ SOUND LEVEL CHECK POINT



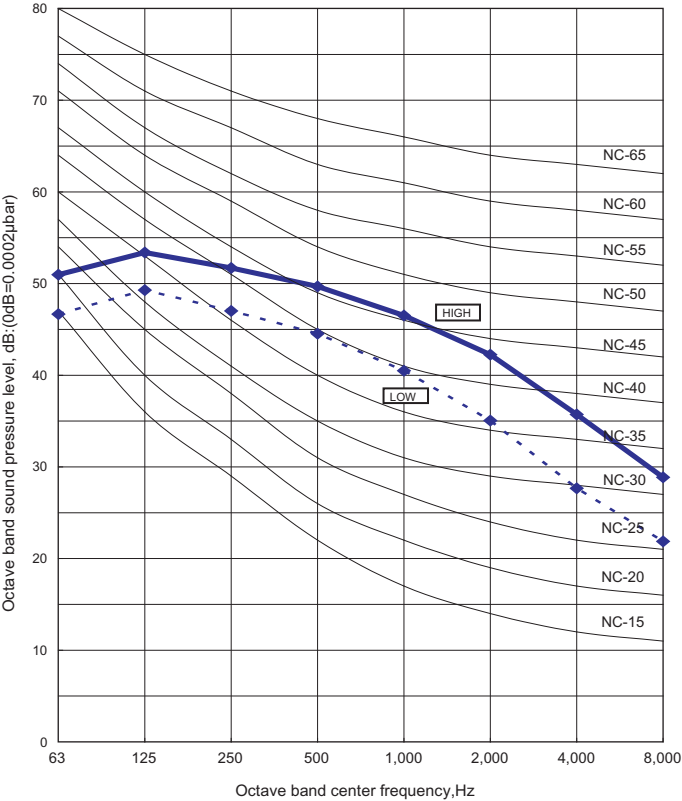
CASSETTE TYPE
AU54

CASSETTE TYPE
AU54

6-12-2. INDOOR UNIT

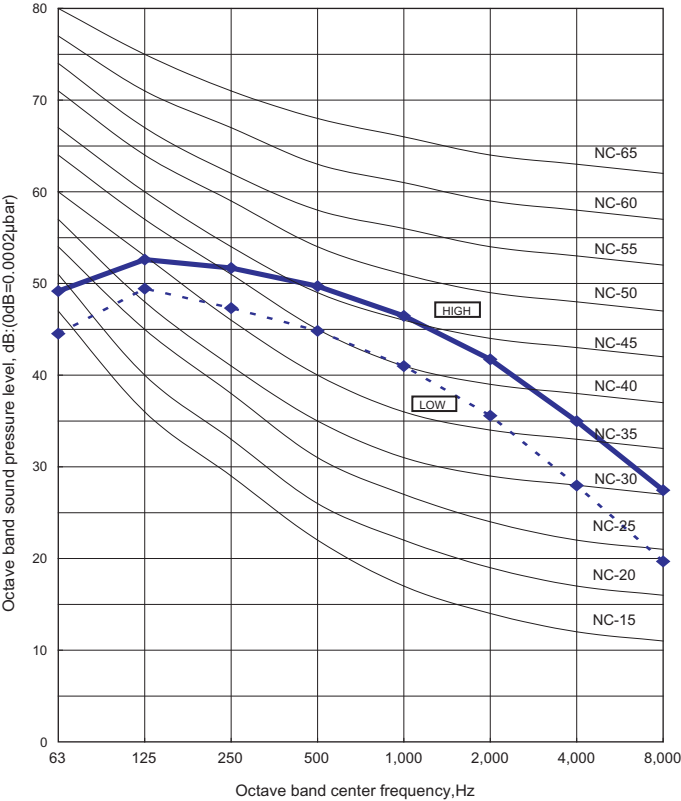
COOLING

MODEL : AU*54L



HEATING

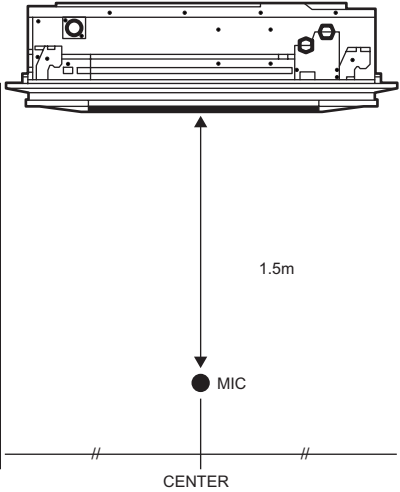
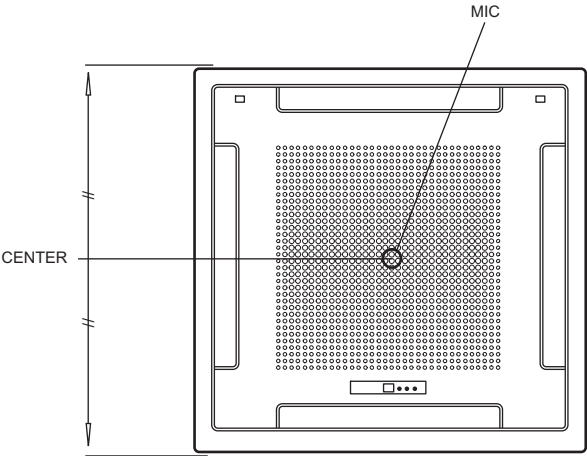
MODEL : AU*54L



CASSETTE TYPE
AU54

CASSETTE TYPE
AU54

■ SOUND LEVEL CHECK POINT



CASSETTE TYPE
AU54

CASSETTE TYPE
AU54

6-13. ELECTRIC CHARACTERISTICS

■ MODELS : AU*54L / AO*54L

Model Name	Indoor unit		AU * 54L	
	Outdoor unit		AO * 54L	
Power Supply	Voltage	V	230~	
	Frequency	Hz	50	
Rated Value	Mode		Cooling	Heating
	Current	A	23.8	21.6
	Input	kW	5.45	4.95
Max Operating Current		A	25.0	24.5
Starting Current		A	15	
*1) Wiring Spec	Main Fuse (Circuit breaker) Current	A	30	
	Power Cable	mm ²	6.0	
	*2)Limited wiring length	m	23	
Indoor Fan Motor	Input	kW	0.23	
	Full Load Amp.	A	1.35	
Outdoor Fan Motor	Input	kW	0.067 x 2	
	Full Load Amp.	A	0.34 x 2	

- *1) Wiring Spec : Selected Sample
(Selected based on Japan Electrotechnical Standard and Codes Committee E0005)
- *2) Limited Wiring length : This is the wiring length in case voltage descent is less than 2%.
When the wiring length becomes long, please select the wiring of a more larger diameter.

6-14. SAFETY DEVICE

■ OUTDOOR UNIT

	PROTECTION FORM	AO * 54L
FUSE (SIDE OF INDOOR UNIT TERMINAL)	CURRENT FUSE	10A 250V
FUSE ON MAIN PCB	CURRENT FUSE	3.15A 250V
	CURRENT FUSE	5A 250V
FAN MOTOR PROTECTION	THERMAL PROTECTION CIRCUIT	130±20°C OFF 100±20°C ON
HIGH PRESSURE PROTECTION	PRESSURE SWITCH	4.2±0.1MPa OFF 3.2±0.15MPa ON
COMPRESSOR THERMISTOR	THERMAL PROTECTOR	130±5°C OFF 80±5°C ON

■ INDOOR UNIT

	PROTECTION FORM	AU * 54L
PCB FUSE	CURRENT FUSE	3.15A 250V
FAN MOTOR PROTECTION	THERMAL PROTECTOR	130±5°C OFF
TERMINAL FUSE	THERMAL FUSE	102±2°C OFF

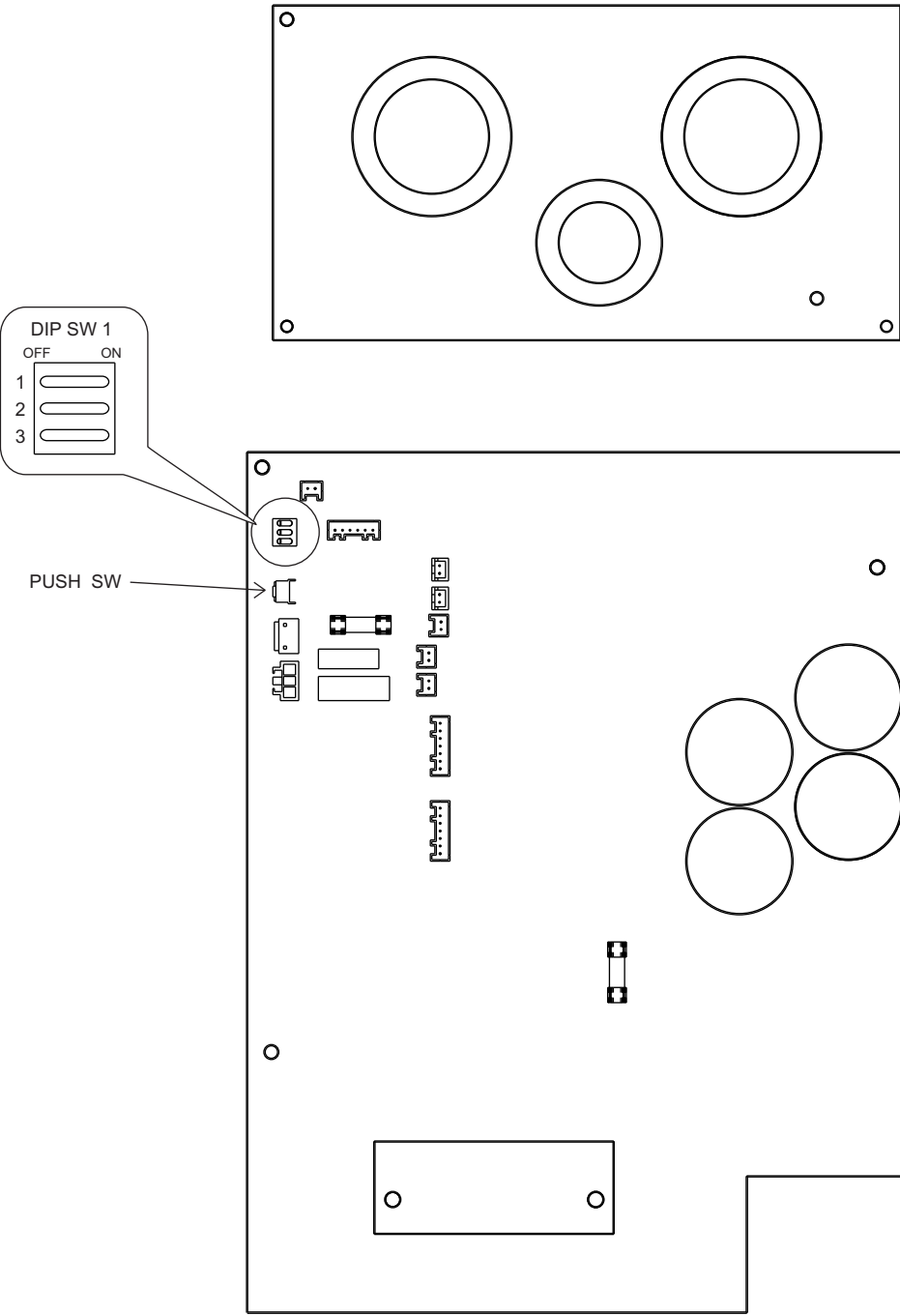
6-15. FUNCTION SETTING

6-15-1. OUTDOOR UNIT

OUTDOOR UNIT		
DIP SW1	1	Change current capacity
	2	
	3	No use (OFF)
PUSH SW		Pump down switch

■ SWITCH POSITION

● Outdoor unit control circuit board



CASSETTE TYPE
AU54

CASSETTE TYPE
AU54

6-15-2. SWITCH FUNCTION (OUTDOOR UNIT)

■ DIP SWITCH SETTING

● Current capacity setting

DIP-SW1			CURRENT (MAX.)
1	2	3	
OFF	OFF	OFF	23.5A *1
ON	OFF	OFF	20.0A *2
OFF	ON	OFF	18.0A
ON	ON	OFF	15.5A

*1=54000BTU model's factory setting

*2=45000BTU model's factory setting

■ PUSH SWITCH SETTING

● SW2 setting

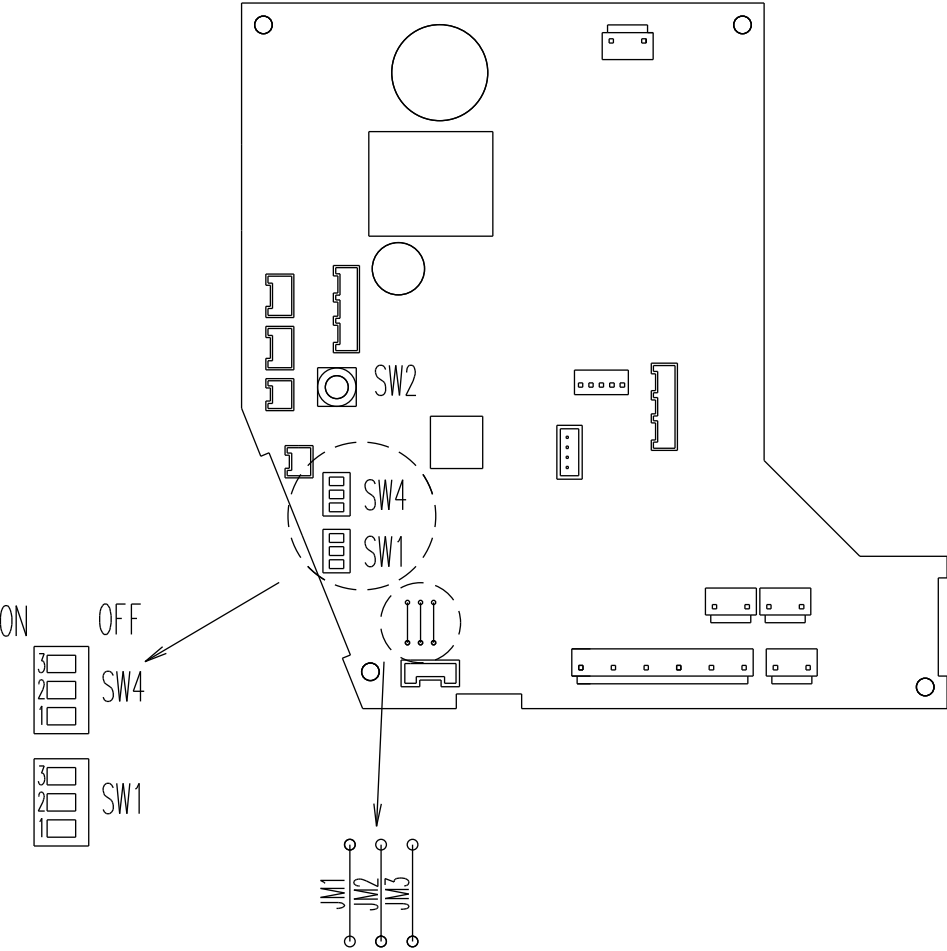
Press the push-button switch, and "PUMP DOWN OPERATION" is starting.

6-15-3. INDOOR UNIT

INDOOR UNIT			
DIP SW	SW 1	1	Auto restart validity/invalidity
		2	Room temperature correct coefficient
		3	Room temperature correct coefficient
	SW 4	1	Forbidden
		2	Ceiling height setting
		3	
Rotary SW	SW 2		Indoor unit number setting
Jumper Wire		JM1	Forbidden
		JM2	Forbidden
		JM3	Forbidden

SWITCH POSITION

Indoor unit control circuit board



CASSETTE TYPE
AU54

CASSETTE TYPE
AU54

6-15-4. SWITCH FUNCTION (INDOOR UNIT)

■ DIP SWITCH SETTING

● SW1-1. Auto restart setting

Auto restart function can be selected by turning this switch ON/OFF.

AUTO RESTART SETTING

(◆ . . . Factory setting)

SW 1-1	SW state
OFF	Invalidity
ON	Validity

● SW1-2, 1-3. Room temperature correct coefficient of heating.

Decide the heating temperature correct coefficient vale of heating.

TEMPERATURE CORRECTION

(◆ . . . Factory setting)

SW 1-2	SW 1-3	SW state		
		heating	dry	cooling
OFF	OFF	+2 deg	-2 deg	-2 deg
ON	OFF	-2 deg	-2 deg	-2 deg
OFF	ON	0 deg	0 deg	0 deg
ON	ON	+4 deg	0 deg	0 deg

● SW4-1. Dip SW 4-1 setting forbidden

(◆ . . . Factory setting)

SW 4-1	OFF
--------	-----

● SW4-2, 4-3. Ceiling height setting

(◆ . . . Factory setting)

Ceiling height(m)		DIP - SW4		
		1	2	3
2.5-3.0	Normal	-	OFF	OFF
3.0-3.5	High ceiling 1	-	ON	OFF
More than 3.5	High ceiling 2	-	OFF	ON
Less than 2.5	Low ceiling	-	ON	ON

If the setting for a low ceiling is selected, the capacity of the air conditioner decreases slightly.

■ ROTARY SWITCH SETTING (SW2)

This switch can be used when group control system.
Set the indoor unit address in the 0,1,-,15 order.

(◆ . . . Factory setting)

◆	SW 2	SW state
	0	Single
	1 - 15	Indoor unit address

■ JUMPER WIRE SETTING

JM 1, 2, 3 setting forbidden

(◆ . . . Factory setting)

◆	JM 1, 2, 3	SW state
	Connect	Forbidden
	Disconnect	

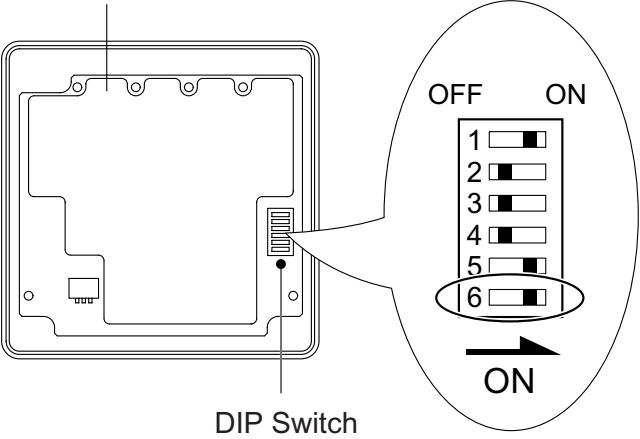
6-15-5. WIRED REMOTE CONTROLLER CIRCUIT BOARD

Wired remote controller		
DIP SW	1	Dual remote controller setting
	2	
	3	Group control setting
	4	Model setting
	5	Auto changeover setting
	6	Memory backup setting

SWITCH POSITION

Wired remote controller

Front case (back side)



6-15-6. WIRED REMOTE CONTROLLER

■ DIP SWITCH SETTING

● 1. SW setting

1-1 Dual remote controller setting

Set the remote controller DIP switch No.1 and 2 according to the following table.

(◆ . . . Factory setting)

Number of remote controller	Master unit		Slave unit	
	DIP-SW No.1	DIP-SW No.2	DIP-SW No.1	DIP-SW No.2
◆ 1 (Normal)	ON	OFF	—	—
2 (Dual)	OFF	OFF	ON	ON

1-2 Group control setting

Number of indoor unit connection (One/Multiple)

This is switched according to the number of connected indoor units.

(◆ . . . Factory setting)

DIP-SW No.3	Number of indoor unit
◆ OFF	One unit connection
ON	Multiple unit connection

1-3 Model setting

The system type of the outdoor unit can be selected by setting up DIP switch No.4 as follows.

(◆ . . . Factory setting)

DIP-SW No.4	Model
◆ OFF	Heat Pump model
ON	Cooling only model

1-4 Auto changeover setting

Selecting auto changeover validity / invalidity.

(◆ . . . Factory setting)

DIP-SW No.5	Auto changeover
OFF	Invalidity
◆ ON	Validity

1-5 Memory backup setting

Set to ON to use batteries for the memory backup.if batteries are not used, all of the settings stored in memory will be deleted if there is a power failure.

※ This function is wired remotecontrol only.

(◆ . . . Factory setting)

DIP-SW No.6	Memory backup
OFF	Invalidity
◆ ON	Validity

6-16. OPTIONAL PARTS

■ ADDITIONAL GRILLE UTG-AGEA-W

The additional grille hides the gap between the ceiling hole and the outlet grille.

Additional grille (optional parts)

