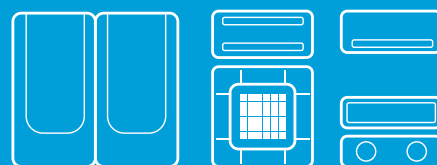


SINGLE

Technical Data Book

SINGLE for Nordic (R410A, 50Hz)



SAMSUNG

History

Version	Modification	Date	Remark
Ver.1.0	Released SINGLE for Nordic TDB	16.11.23	
Ver.1.1	Add tCO2e data (Specifications)	16.12.09	
Ver.1.2	Modify the recommended operation range of Duct S model	17.01.06	
Ver.1.3	Modify Pannel Spec of 4Way Cassette(600x600) (Model name, Net/Shipping Weight&Size)	17.03.16	



Contents

I. Products

1 Nomenclature

2 Accessory

II. Indoor units

1 4 way cassette (600 x 600)

2 4 way cassette

3 Duct S

4 Wall-mounted

I. Products

1 Nomenclature

2 Accessory

1 Nomenclature

Indoor Units

Model Names

AC	071	J	N	4	C	E	H	/	EU
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)		Buyer

(1) Classification

AC	CAC
----	-----

(2) Capacity

x 1/10 kW (3 digits)
x 1,000 Btu/h (3 digits)

(3) Version

F	2013
H	2014
J	2015
K	2016
M	2017

(4) Product Type

N	Indoor Unit
X	Outdoor Unit

(5) Product Notation

1	1Way Cassette
N	4Way Cassette (600 X 600)
4	4Way Cassette
L	LSP Duct
M	MSP Duct
C	Ceiling
J	Console
A	Wall-Mounted

(6) Feature

F	Flagship
S	Standard
D	Deluxe
P	Premium
C	Deluxe + Low Temp.

(7) Rating Voltage

E	1Ø, 220~240V, 50Hz
G	3Ø, 380~415V, 50Hz
K	1Ø, 220~240V, 50/60Hz

(8) Mode

H	Heat Pump(R410A)
C	Cooling Only(R410A)
E	Heat Pump(R22)
D	Cooling Only(R22)

1 Nomenclature

Outdoor Units

Model Names

AC	035	J	X	S	C	E	H	/	EU
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)		Buyer

(1) Classification

AC	CAC
----	-----

(2) Capacity

x 1/10 kW (3 digits)
x 1,000 Btu/h (3 digits)

(3) Version

F	2013
H	2014
J	2015
K	2016
M	2017

(4) Product Type

N	Indoor Unit
X	Outdoor Unit

(5) Feature1

A	Inv+Side+General Temp
B	Non Inv+Side+General Temp
S	Inv+Side+Low Temp.
N	Non Inv+Side+Low Temp.

(6) Feature2

F	Standrad+Tropical+Non Module
S	Standard
D	Deluxe
P	Premium
C	Deluxe + Low Temp.

(7) Rating Voltage

E	1Ø, 220~240V, 50Hz
G	3Ø, 380~415V, 50Hz
K	1Ø, 220~240V, 50/60Hz
N	3Ø, 380~415V, 50/60Hz

(8) Mode

H	Heat Pump(R410A)
C	Cooling Only(R410A)
E	Heat Pump(R22)
D	Cooling Only(R22)

2 Accessory

Controller

Classification	Product	Image	Model	Remark
Intergrated Management System	DMS 2.0		MIM-D00AN	
	DMS 2.5		MIM-D01AN	
	S-NET 3		MST-P3P	
Buiding Management System	BACnet G/W		MIM-B17N	
			MIM-B17BN	
	LONWORKS G/W		MIM-B18N	
			MIM-B18BN	
	SIM (Signal Interface Module)		MIM-B12N	
Centralized Control System	On/Off Controller		MCM-A202DN	
	Touch Controller		MCM-A300N	
	Wi-Fi Kit		MIM-H03N	
Individual Control System	Wireless remote Controller		MR-EH00	Except for 360 Cassette
			MR-KH00E	360 Cassette Only
	Wired remote Controller		MWR-WE10N	
			MWR-WE11N	Include 360 Cassette Airflow Control function
			MWR-SH00N	Simple Type
			MWR-SH10N	Touch Simple Type

2 Accessory

Controller

Classification	Product	Image	Model	Remark
Zone Control System	Zone Controller (Master controller + Damper controller)		MWR-ZS00N	
	Zone Controller (Master controller)		MWR-ZS10N	
	External room sensor		MRW-TS	
Others	External room sensor		MRW-TA	
	Compatible interface module		MIM-N01	
	External contact interface module		MIM-B14	
	S-Converter		MIM-C02N	
	Wireless signal receiver		MRK-A10N	Duct type only

- In case you want more information about the accessories, please refer to the control and accessories TDB on pvi.samsung.com site.

2 Accessory

Indoor Unit's Accessory

Product	Image	Model	Remark
Panel		PC1NUSMAN	Slim 1Way Cassette
		PC1NUPMAN	Slim 1Way Cassette (Z-sliding)
		PC1MWSKAN	Slim 1Way Cassette
		PC4SUSMBN	4 Way Cassette(600 x 600) (Waffle)
		PC4SUSMFN	4 Way Cassette(600 x 600) (Classic)
		PC4NUSKAN	4 Way Cassette (Waffle)
		PC4NUSKEN	4 Way Cassette (Classic)
		PC4NBSKAN	4 Way Cassette (Waffle / Black)
		PC4NUDMAN	360 Cassette Square (White)
		PC4NUNMAN	360 Cassette Circle (White)
		PC4NBDMAN	360 Cassette Square (Black)
		PC4NBNMAN	360 Cassette Circle (Black)

2 Accessory

Indoor Unit's Accessory

Product	Image	Model	Remark
S-Plasma Ion KIT		MSD-CAN1	[Option] 4Way, 4Way(600x600), 360, Ceiling [Included] Console
		MSD-EAN1	[Option] Duct S, Big Duct, ERV, ERV Plus
Motion detect Sensor		MCR-SMA	4 Way Cassette(600 x 600)
Drain Pump		MDP-E075SEE3D	Slim Duct
		MDP-G075SP	Duct S (External)
		MDP-G075SQ	Duct S (Internal)
Joint		MXJ-2D2509K	2 indoor units connection
		MXJ-3D2509K	3 indoor units connection
		MXJ-4D2509K	4 indoor units connection

- In case you want more information about the accessories, please refer to the control and accessories TDB on pvi.samsung.com site.

2

Indoor & Indoor Accessory Compatibility

[illegible]

II. Indoor units

- 1 4 way cassette (600 x 600)
- 2 4 way cassette
- 3 Duct S
- 4 Wall-mounted (AR5000)

1 4 way cassette (600x600)

- 1-1. Specifications
- 1-2. Capacity table
- 1-3. Dimensional drawing - Indoor
- 1-4. Electrical wiring diagram - Indoor
- 1-5. Sound pressure level - Indoor
- 1-6. Sound power level - Indoor
- 1-7. Temperature and air flow distribution
- 1-8. Electrical wiring diagram - Outdoor
- 1-9. Sound pressure level - Outdoor
- 1-10. Sound power level - Outdoor
- 1-11. Cycle diagram
- 1-12. Dimensional drawing - Outdoor
- 1-13. Capacity correction

1 4 way cassette(600x600)

1-1) Specifications

Type				4Way Cassette (600 x 600)		4Way Cassette (600 x 600)		
Model Name		Indoor Unit		AC026JNNCEH/EU		AC035JNNCEH/EU		
		Outdoor Unit		AC026JXSCEH/EU		AC035JXSCEH/EU		
System	Mode		-	Heat Pump		Heat Pump		
	Capacity	Cooling(Min/Std/Max)		kW	0.85 / 2.60 / 3.50		0.90 / 3.50 / 4.20	
				Btu/h	2,900 / 8,900 / 11,900		3,100 / 11,900 / 14,300	
		Heating(Min/Std/Max)		kW	0.80 / 3.40 / 5.10		0.80 / 4.30 / 5.80	
				Btu/h	2,700 / 11,600 / 17,400		2,700 / 14,700 / 19,800	
	Power	Power Input (Nominal)	Cooling(Min/Std/Max)	kW	0.24 / 0.64 / 0.89		0.19 / 0.94 / 1.26	
			Heating(Min/Std/Max)		0.16 / 0.83 / 1.50		0.16 / 1.18 / 1.65	
		Current Input (Nominal)	Cooling(Min/Std/Max)	A	1.30 / 3.10 / 4.20		1.30 / 4.40 / 5.80	
			Heating(Min/Std/Max)		1.10 / 3.90 / 6.00		1.10 / 5.40 / 7.00	
		MCA		A	11.00 (MCA)		11.00 (MCA)	
		MFA		A	12.50		12.50	
	Energy Efficiency	EER (Nominal Cooling)		-	4.06		3.72	
		COP (Nominal Heating)		-	4.10		3.64	
		Energy Grade		-	SEER 7.9 (A++)		SEER 7.6 (A++)	
				-	SCOP 4.6 (A++)		SCOP 4.5 (A+)	
	Piping Connections	Liquid Pipe		Ø, mm	6.35		6.35	
				Ø, inch	1/4"		1/4"	
		Gas Pipe		Ø, mm	9.52		9.52	
				Ø, inch	3/8"		3/8"	
		Installation Limitation	Max. Length	m	20		20	
			Max. Height	m	15		15	
	Field Wiring	Power Source Wire		Ø, mm	-		-	
		Transmission Cable		Ø, mm	0.75 ~ 1.25		0.75 ~ 1.25	
	Refrigerant	Type		-	R410A		R410A	
		Control Method		-	-		-	
		Factory Charging		kg / tCO2e	1.27 / 2.65		1.27 / 2.65	
Indoor Unit	Power Supply		Ø, #, V, Hz	1,2,220-240,50		1,2,220-240,50		
	Fan	Type		-	Turbo		Turbo	
		Motor	Output	W	65 x 1		65 x 1	
				CMM	8.00 / 7.10 / 6.30		9.30 / 8.00 / 6.70	
		Air Flow Rate	High/Mid/Low	l/s	133.33 / 118.33 / 105.00		155.00 / 133.33 / 111.67	
				mmAq	-		-	
	External Static Pressure	Min/Std/Max	Pa	-		-		
			Ø,mm	VP25 (OD 32,ID 25)		VP25 (OD 32,ID 25)		
	Sound	Pressure	High/Mid/Low	dB(A)	32.0 / 29.0 / 25.0		34.0 / 30.0 / 26.0	
		Power	Cooling		48.0		51.0	
	External Dimension	Net Weight		kg	12.00		12.00	
		Shipping Weight		kg	14.00		14.00	
		Net Dimensions (WxHxD)		mm	575 x 250 x 575		575 x 250 x 575	
		Shipping Dimensions (WxHxD)		mm	623 x 298 x 653		623 x 298 x 653	
	Panel Size	Panel model		-	PC4SUSMBN		PC4SUSMBN	
		Panel Net Weight		kg	2.3		2.3	
		Shipping Weight		kg	3.5		3.5	
		Net Dimensions (WxHxD)		mm	620 x 45 x 620		620 x 45 x 620	
		Shipping Dimensions (WxHxD)		mm	661 x 106 x 671		661x 106 x 671	
	Additional Accessories	Drain pump	Drain pump	-	-		-	
Max. Lifting		mm/liter/h	-	-		-		
Air Filter		-	-		-			
Outdoor Unit	Power Supply		Ø, #, V, Hz	1,2,220-240,50		1,2,220-240,50		
	Compressor	Type		-	BLDC Rotary		BLDC Rotary	
		Model		-	DA128A1FA-20F		DA128A1FA-20F	
		Output		kW	0.96		0.96	
		Oil	Type	-	Ester oil VG74		Ester oil VG74	
	Fan	Air Flow Rate	Cooling	CMM	33.00		33.00	
				l/s	550.00		550.00	
	Sound	Pressure	Cooling/Heating	dB(A)	46 / 47		47 / 48	
		Power	Cooling		59		62	
	External Dimension	Net Weight		kg	35.00		35.00	
		Shipping Weight		kg	39.00		39.00	
		Net Dimensions (WxHxD)		mm	790 x 548 x 285		790 x 548 x 285	
		Shipping Dimensions (WxHxD)		mm	926 x 640 x 384		926 x 640 x 384	
	Operating Temp. Range	Cooling		°C	-20.0 ~ 50.0		-20.0 ~ 50.0	
		Heating		°C	-25.0 ~ 24.0		-25.0 ~ 24.0	

- All figures comply with EN14511

- Nominal cooling capacities are based on;

Indoor temperature : 27°C DB, 19°C WB / Outdoor temperature : 35°C DB, Refrigerant piping : 5m , Level differences : 0m

- Nominal heating capacities are based on;

Indoor temperature : 20°C DB, 15°C WB / Outdoor temperature : 7°C DB, 6°C WB, Refrigerant piping : 5m, Level differences : 0m

- Sound pressure level is acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.

- Specifications may be subject to change without prior notice.

- These products contain R410A(GWP=2,088) which is fluorinated greenhouse gas.

※ Heat Exchanger type : Indoor Unit - Fin & Tube (Fin : Al, Tube : Cu)
Outdoor Unit - Fin & Tube (Fin : Al, Tube : Cu)

1 4 way cassette(600x600)

1-2) Capacity table

AC026JNNCEH/EU + AC026JXSCEH/EU

Cooling

TC(Total Capacity), SHC(Sensible Heat Capacity), PI(Power Input)

Outdoor Temperature re (°C, DB)	Indoor Temperature (°C, DB / WB)																				
	20 / 14			22 / 16			25 / 18			27 / 19			28 / 20			30 / 22			32 / 24		
	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
-20	2.5	2.1	0.46	2.6	2.2	0.47	2.7	2.2	0.48	2.8	2.3	0.49	2.9	2.3	0.49	3.0	2.3	0.50	3.1	2.2	0.51
21	2.8	2.2	0.48	3.0	2.3	0.49	3.1	2.4	0.50	3.2	2.5	0.51	3.3	2.4	0.52	3.4	2.4	0.52	3.6	2.4	0.53
35	2.3	2.0	0.60	2.4	2.0	0.61	2.5	2.1	0.63	2.6	2.2	0.64	2.7	2.1	0.65	2.8	2.1	0.65	2.9	2.1	0.67
46	2.2	1.9	1.10	2.3	1.9	1.12	2.4	2.0	1.15	2.5	2.0	1.17	2.6	2.0	1.18	2.7	2.0	1.19	2.8	2.0	1.22
50	1.9	1.6	1.00	2.0	1.7	1.02	2.1	1.7	1.04	2.2	1.8	1.06	2.2	1.8	1.07	2.4	1.7	1.08	2.5	1.7	1.10

Heating

TC : Total Capacity, PI: Power Input

Outdoor Air Temp. (DB)	Indoor temperature (°C)											
	16.0 (DB)		18.0 (DB)		20.0 (DB)		21.0 (DB)		22.0 (DB)		24.0 (DB)	
	TC(kW)	PI(kW)	TC(kW)	PI(kW)	TC(kW)	PI(kW)	TC(kW)	PI(kW)	TC(kW)	PI(kW)	TC(kW)	PI(kW)
-25.0	2.40	1.25	2.30	1.23	2.30	1.22	2.30	1.21	2.30	1.20	2.20	1.18
-20.0	3.00	1.37	2.90	1.36	2.90	1.34	2.90	1.33	2.90	1.32	2.80	1.30
-10.0	3.70	1.60	3.70	1.58	3.60	1.56	3.60	1.55	3.60	1.53	3.50	1.52
0.0	4.30	1.64	4.30	1.63	4.20	1.60	4.20	1.59	4.10	1.58	4.10	1.56
7.0	3.50	0.85	3.40	0.84	3.40	0.83	3.40	0.82	3.30	0.81	3.30	0.81
24.0	4.40	1.16	4.40	1.15	4.30	1.14	4.30	1.13	4.20	1.12	4.20	1.11

AC035JNNCEH/EU + AC035JXSCEH/EU

Cooling

TC(Total Capacity), SHC(Sensible Heat Capacity), PI(Power Input)

Outdoor Temperature re (°C, DB) -20	Indoor Temperature (°C, DB / WB)																				
	20 / 14			22 / 16			25 / 18			27 / 19			28 / 20			30 / 22			32 / 24		
	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
	2.8	2.2	0.77	3.0	2.3	0.79	3.1	2.3	0.80	3.2	2.4	0.82	3.3	2.4	0.83	3.4	2.4	0.84	3.6	2.3	0.85
21	3.6	2.7	0.71	3.8	2.8	0.72	4.0	2.9	0.74	4.1	3.0	0.75	4.2	2.9	0.76	4.4	2.9	0.77	4.6	2.8	0.78
35	3.1	2.5	0.88	3.3	2.5	0.90	3.4	2.6	0.92	3.5	2.7	0.94	3.6	2.7	0.95	3.7	2.6	0.96	3.9	2.6	0.98
46	2.8	2.4	1.27	3.0	2.4	1.30	3.1	2.5	1.32	3.2	2.6	1.35	3.3	2.6	1.36	3.4	2.5	1.38	3.6	2.5	1.40
50	2.4	2.0	1.17	2.5	2.1	1.19	2.6	2.2	1.21	2.7	2.2	1.24	2.8	2.2	1.25	2.9	2.2	1.26	3.0	2.1	1.29

Heating

TC : Total Capacity PI: Power Input

Outdoor Air Temp. (DB)	Indoor temperature (°C)											
	16.0 (DB)		18.0 (DB)		20.0 (DB)		21.0 (DB)		22.0 (DB)		24.0 (DB)	
	TC(kW)	PI(kW)	TC(kW)	PI(kW)	TC(kW)	PI(kW)	TC(kW)	PI(kW)	TC(kW)	PI(kW)	TC(kW)	PI(kW)
-25.0	2.40	1.22	2.40	1.21	2.40	1.19	2.40	1.18	2.30	1.17	2.30	1.16
-20.0	3.40	1.64	3.40	1.63	3.40	1.61	3.30	1.59	3.30	1.58	3.30	1.56
-10.0	4.30	1.91	4.30	1.89	4.20	1.88	4.20	1.86	4.10	1.84	4.10	1.82
0.0	5.00	1.97	5.00	1.95	4.90	1.93	4.90	1.91	4.80	1.89	4.80	1.87
7.0	4.40	1.20	4.30	1.19	4.30	1.18	4.30	1.17	4.20	1.16	4.20	1.14
24.0	4.80	1.27	4.80	1.25	4.70	1.24	4.70	1.23	4.60	1.22	4.60	1.20

* Capacity table may be subject to change without prior notice.

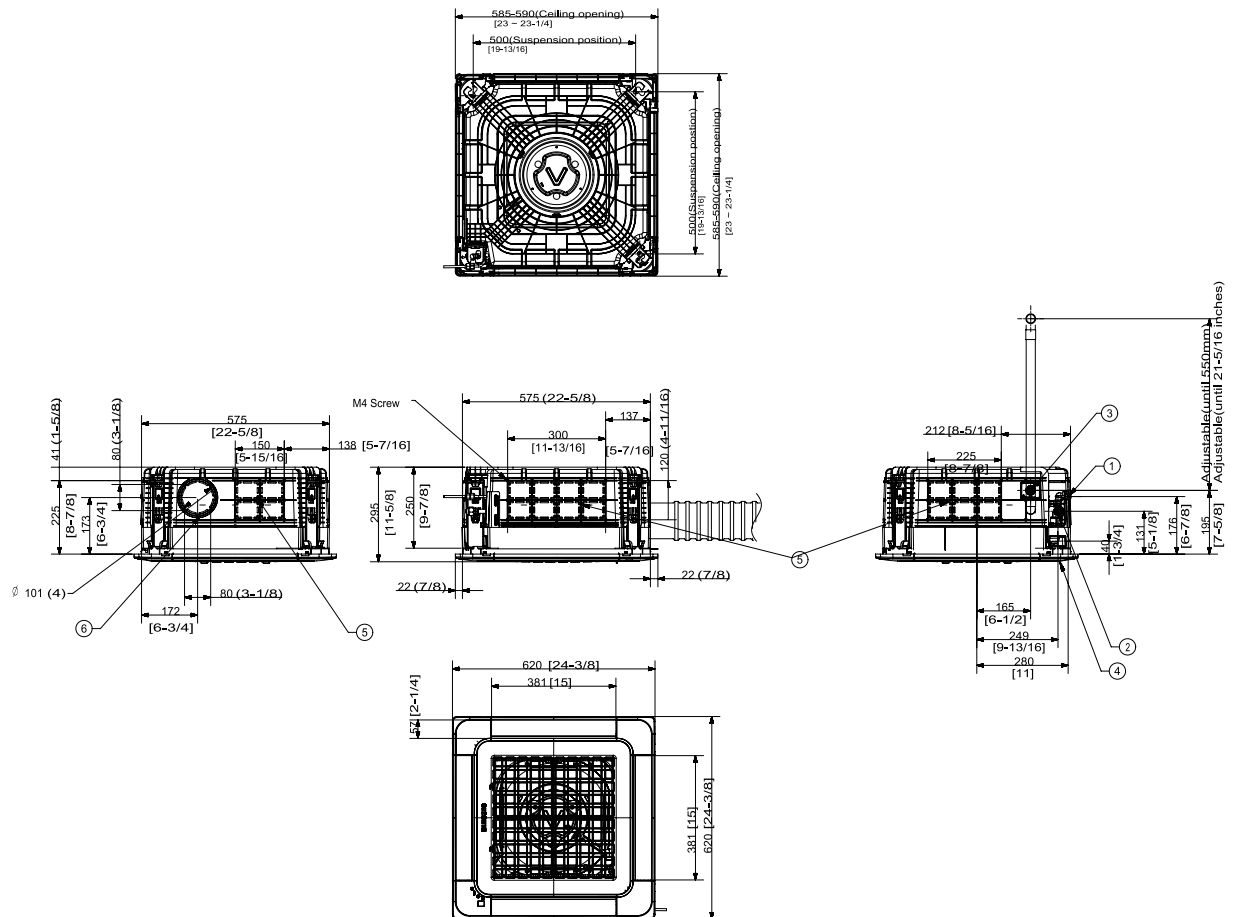
1) Capacities are based on following conditions;

- . Heating mode outdoor air : 85%RH. However, the condition rated capacity is 7°C DB / 6°C WB.
- . Refrigerant piping length : 5m
- . Level difference : 0m.

1 4 way cassette(600x600)

1-3) Dimensional drawing - Indoor

Units : mm [inches]



No.	Name	Description	
		2.6kW	3.5kW
①	Liquid pipe connection	Ø6.35mm (1/4") Flare	
②	Gas pipe connection	Ø9.52mm (3/8") Flare	
③	Drain pipe connection	VP25 (OD32, ID25)	
④	Conduit for power supply & communication wiring	-	
⑤	Sub duct connection	Use M4 Screw	
⑥	Fresh air intake knockout hole	Φ101 [4] , Use M4 Screw	

1

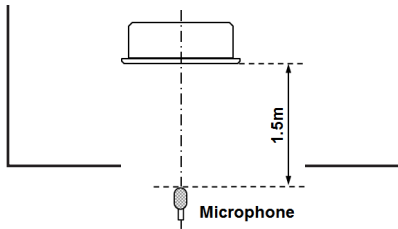
1-4) Electrical wiring diagram - Indoor



LED LAMP DISPLAY				LED DISPLAY FOR ERROR DETECTION
OPERATION	DEFROST	TIMER	FILTER	
				☐ ON ☒ FLICKERING ☐ OFF
X		X	X	ERROR OF TEMPERATURE SENSOR IN THE INDOOR UNIT (OPEN/SHORT)
		X	X	ERROR OF EVA IN, OUT SENSOR IN THE INDOOR UNIT (OPEN/SHORT)
X	X		X	ERROR OF FAN MOTOR IN THE INDOOR UNIT
	X		X	ERROR OF OUTDOOR SENSOR (OUTDOOR TEMP./COND/DI SCHARGE)
X	X		X	NO COMMUNICATION FOR 2 MINUTES BETWEEN INDOOR AND OUTDOOR UNIT
X	X			ERROR OF OUTDOOR UNIT SELF-DIAGNOSIS (Check error code at outdoor unit's or solution display)
X	X			DETECTION OF THE FLOAT SWITCH
				EEPROM ERROR/EEPROM OPTION ERROR
				NO MATCH BETWEEN OUTDOOR AND INDOOR (Only DVM Model)
	X			HIGH PRESSURE PROTECTION ERROR (Only CAC Model)

1 4 way cassette(600x600)

1-5) Sound pressure level - Indoor



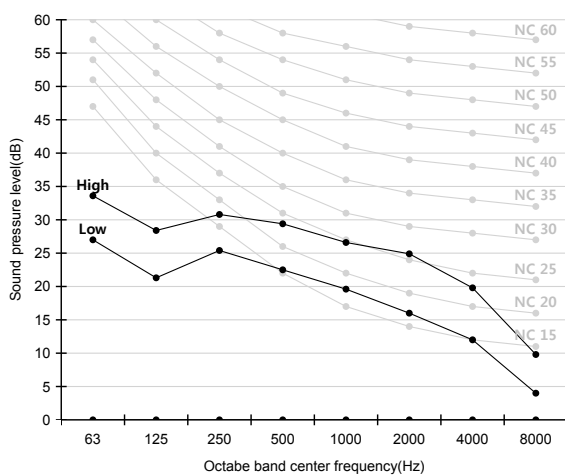
Model	Unit: dB(A)	
	High	Low
AC026JNNCEH/EU (ODU : AC026JXSCEH/EU)	32	25
AC035JNNCEH/EU (ODU : AC035JXSCEH/EU)	34	26

Note

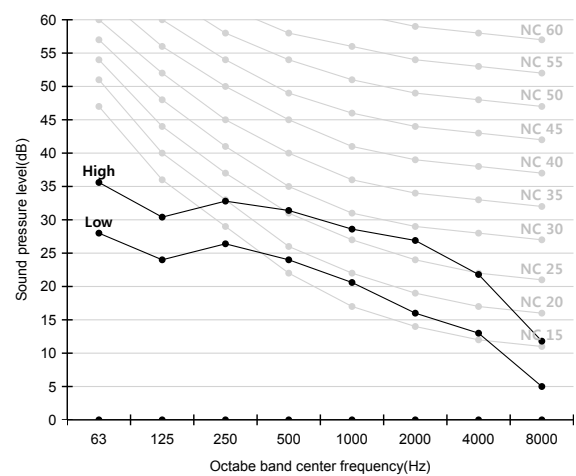
- * Specifications may be subject to change without prior notice
- These operation values are obtained in an anechoic room.
- Sound pressure level is a relative value, depending on the distance and acoustic environment.
- Sound pressure level may differ depending on operation condition

NC curve

1) AC026JNNCEH/EU (ODU : AC026JXSCEH/EU)



2) AC035JNNCEH/EU (ODU : AC035JXSCEH/EU)



1 4 way cassette(600x600)

1-6) Sound power level - Indoor

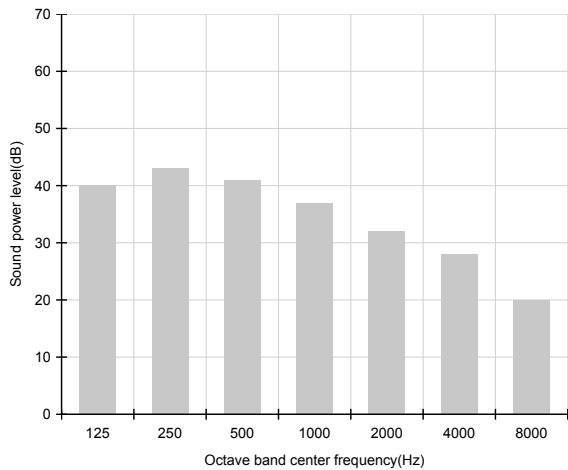
Note

dBA = A-weighted sound power level.
Reference power : 1pW.
Measured according to ISO 3741.

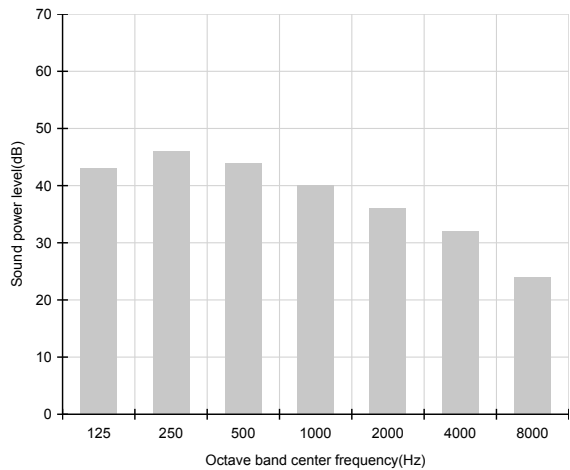
Unit: dB(A)

Model	Power
AC026JNNCEH/EU (ODU : AC026JXSCEH/EU)	48
AC035JNNCEH/EU (ODU : AC035JXSCEH/EU)	51

1) AC026JNNCEH/EU (ODU : AC026JXSCEH/EU)



2) AC035JNNCEH/EU (ODU : AC035JXSCEH/EU)



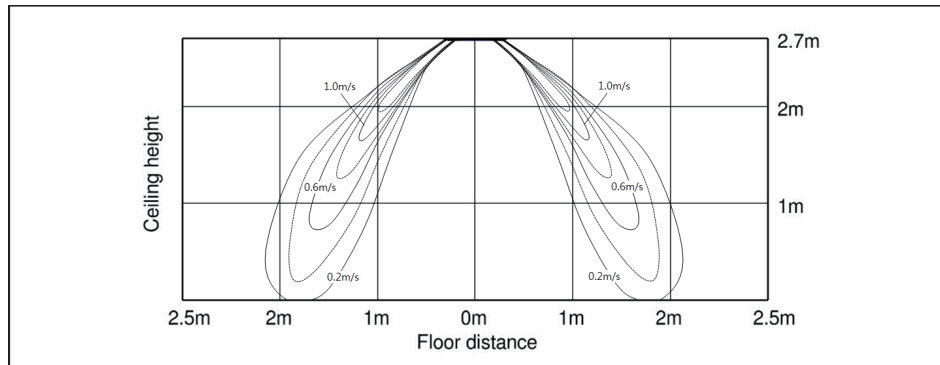
4 way cassette(600x600)

1-7) Temperature and air flow distribution

AC026JNNCEH/EU

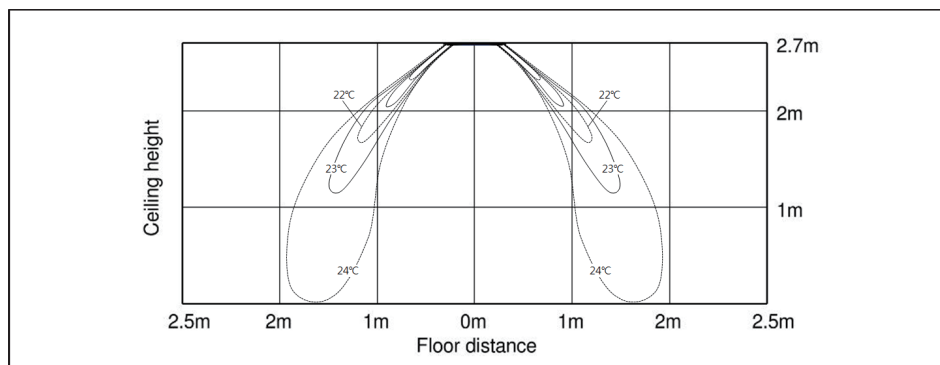
(1) Cooling air velocity distribution

Discharge angle : 38°



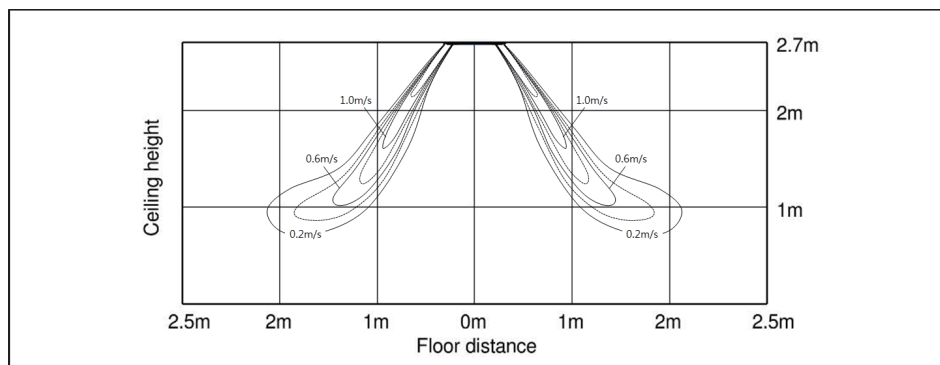
(2) Cooling temperature distribution

Discharge angle : 38°



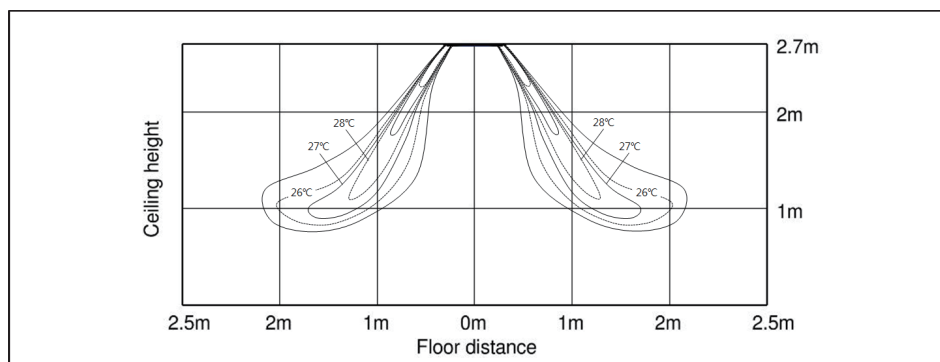
(3) Heating air velocity distribution

Discharge angle : 52°



(4) Heating temperature distribution

Discharge angle : 52°

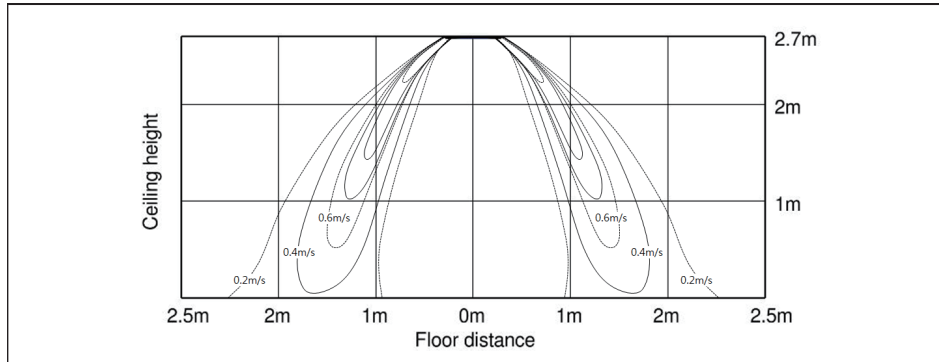


1-7) Temperature and air flow distribution

AC035JNNCEH/EU

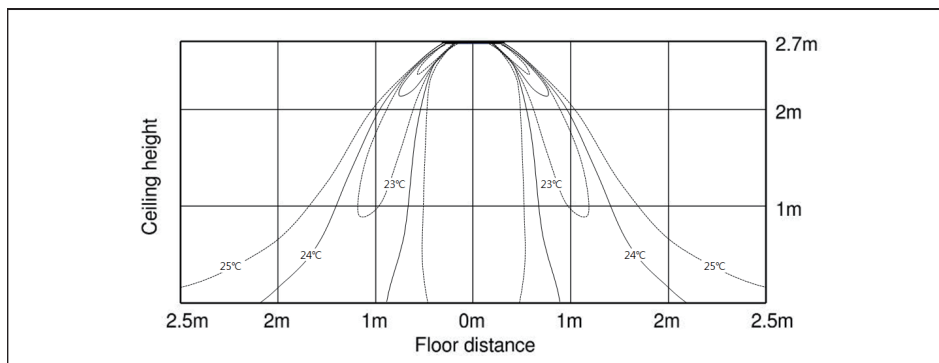
(1) Cooling air velocity distribution

Discharge angle : 38°



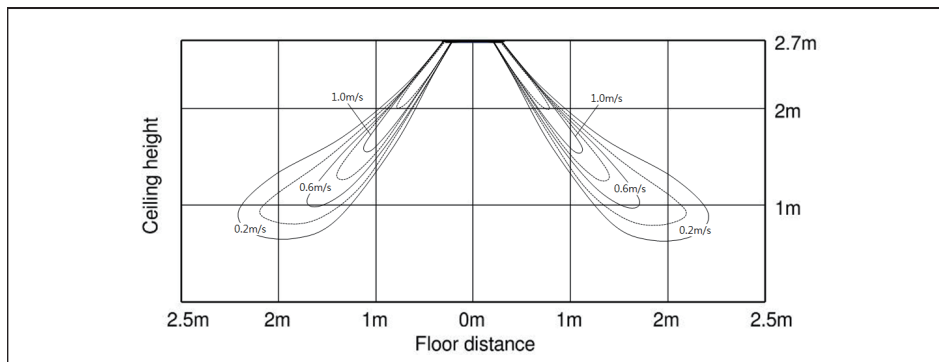
(2) Cooling temperature distribution

Discharge angle : 38°



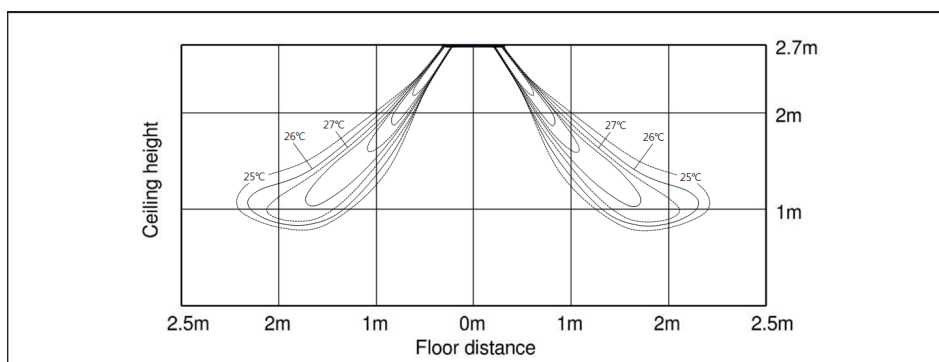
(3) Heating air velocity distribution

Discharge angle : 52°



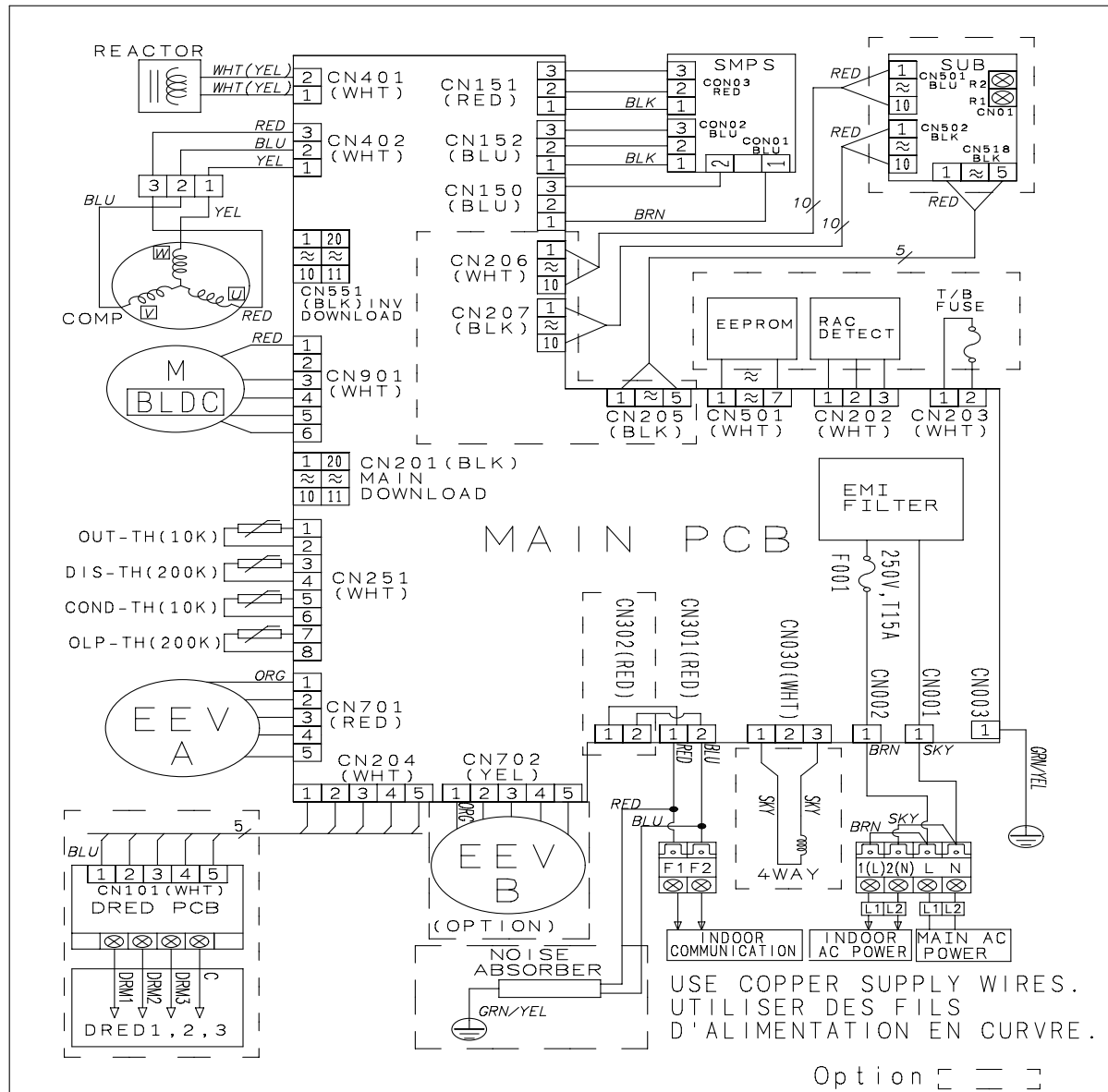
(4) Heating temperature distribution

Discharge angle : 52°



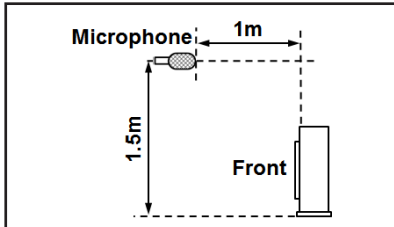
1 4 way cassette(600x600)

1-8) Electrical wiring diagram - Outdoor



1 4 way cassette(600x600)

1-9) Sound pressure level - Outdoor



Unit: dB(A)

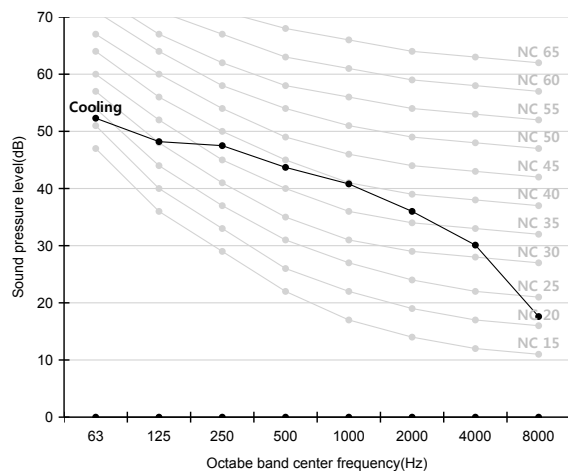
Model	Cooling	Heating
AC026JXSCEH/EU (IDU : AC026JNNCEH/EU)	46	47
AC035JXSCEH/EU (IDU : AC035JNNCEH/EU)	47	48

Note

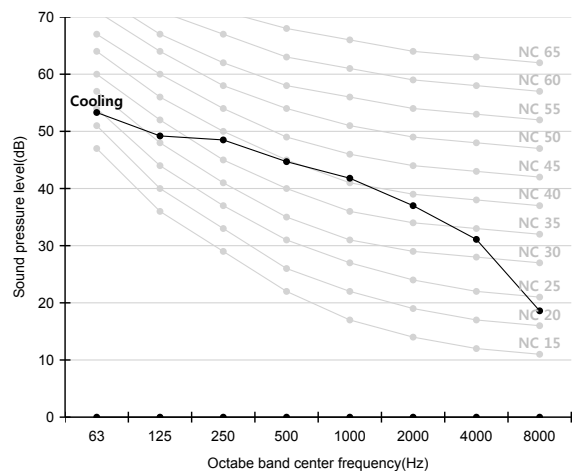
- * Specifications may be subject to change without prior notice
- These operation values are obtained in an anechoic room.
- Sound pressure level is a relative value, depending on the distance and acoustic environment.
- Sound pressure level may differ depending on operation condition

NC curve

1) AC026JXSCEH/EU (IDU : AC026JNNCEH/EU)



2) AC035JXSCEH/EU (IDU : AC035JNNCEH/EU)



1 4 way cassette(600x600)

1-10) Sound power level - Outdoor

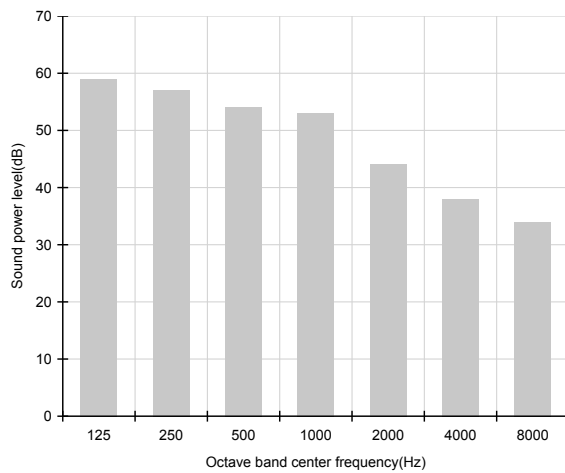
Note

dBA = A-weighted sound power level.
Reference power : 1pW.
Measured according to ISO 3741.

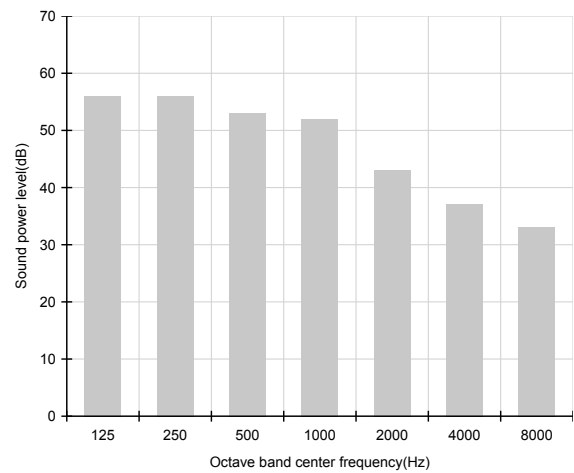
Unit: dB(A)

Model	Power
AC026JXSCEH/EU (IDU : AC026JNNCEH/EU)	59.0
AC035JXSCEH/EU (IDU : AC035JNNCEH/EU)	62.0

1) AC026JXSCEH/EU (IDU : AC026JNNCEH/EU)

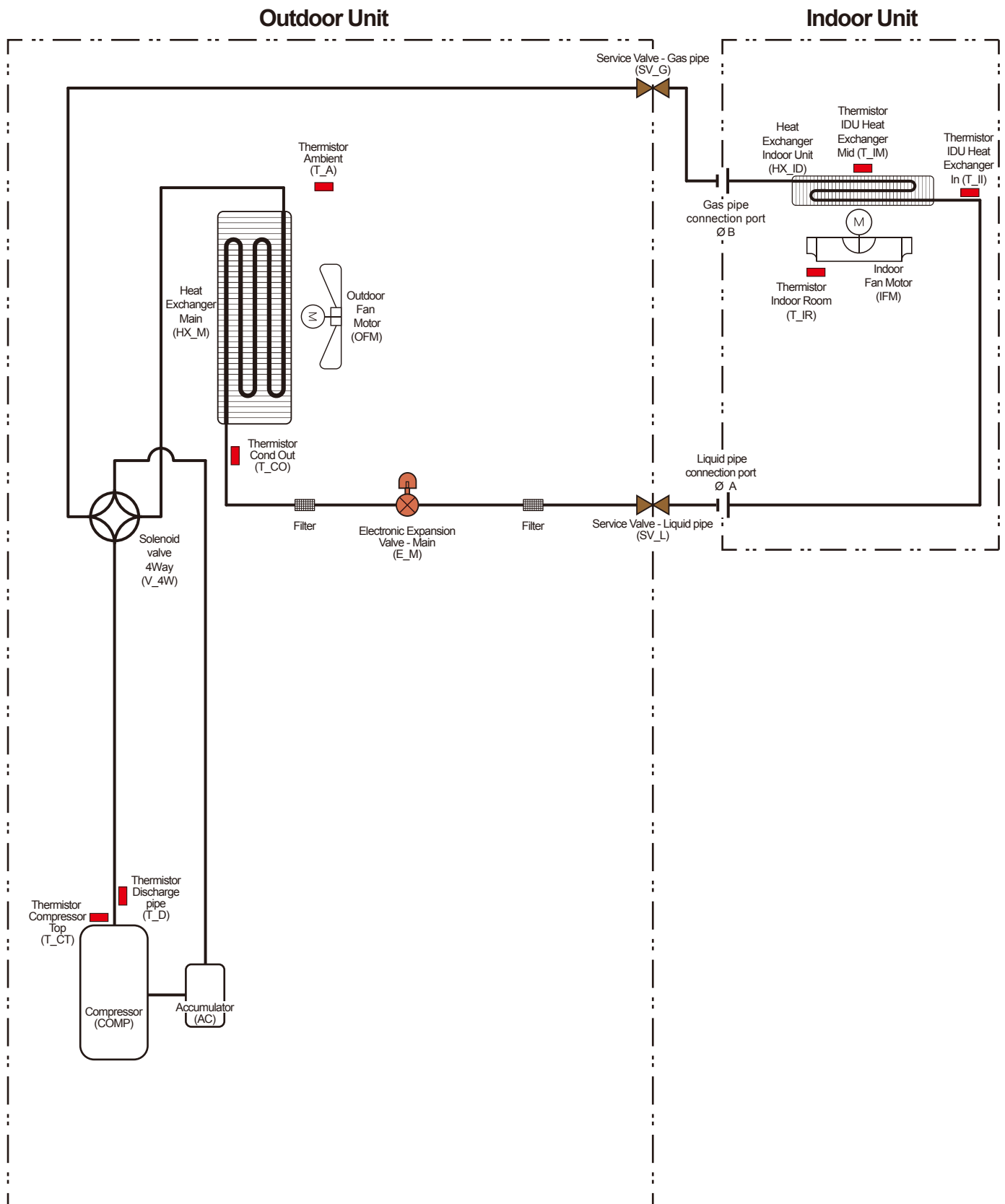


2) AC035JXSCEH/EU (IDU : AC035JNNCEH/EU)



1 4 way cassette(600x600)

1-11) Cycle diagram



1 4 way cassette(600x600)

1-12) Dimensional drawing - Outdoor

Units : mm / inches

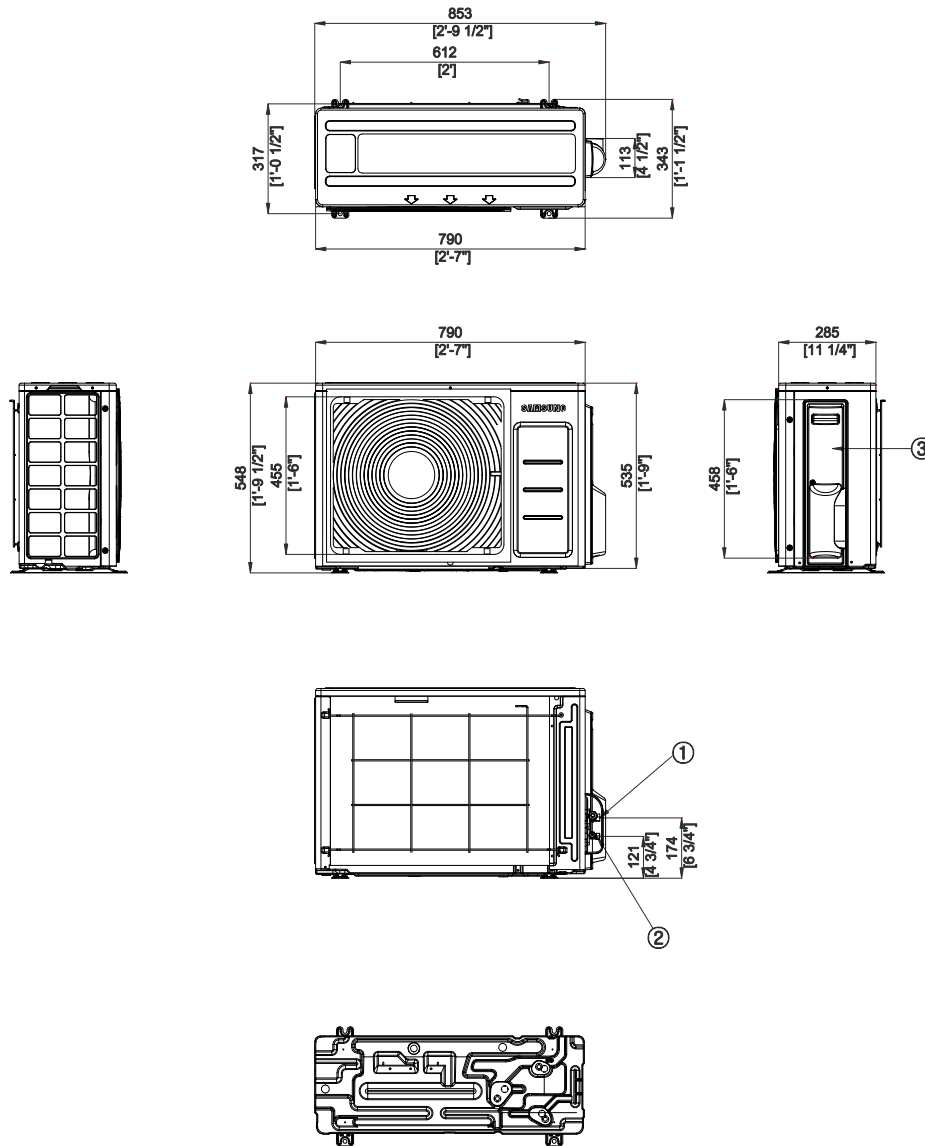


Table of descriptions

1	Refrigerant gas pipe
2	Refrigerant liquid pipe
3	Power & Comm. wiring conduits

1 4 way cassette(600x600)

1-13) Capacity correction

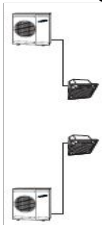
AC026JXSCEH/EU, AC035JXSCEH/EU

Cooling



		Pipe Length (m)			
		5	10	15	20
Level Difference (m)	15	-	-	0.91	0.87
	10	-	0.96	0.91	0.87
	5	1.00	0.96	0.91	0.87
	0	1.00	0.96	0.91	0.87
	-5	1.00	0.94	0.90	0.86
	-10	-	0.91	0.88	0.85
	-15	-	-	0.87	0.84

Heating



		Pipe Length (m)			
		5	10	15	20
Level Difference (m)	15	-	-	0.91	0.87
	10	-	0.96	0.91	0.87
	5	1.00	0.96	0.91	0.87
	0	1.00	0.96	0.91	0.87
	-5	1.00	0.96	0.91	0.87
	-10	-	0.96	0.91	0.87
	-15	-	-	0.91	0.87

2 4 way cassette

- 2-1. Specifications
- 2-2. Capacity table
- 2-3. Dimensional drawing - Indoor
- 2-4. Electrical wiring diagram - Indoor
- 2-5. Sound pressure level - Indoor
- 2-6. Sound power level - Indoor
- 2-7. Temperature and air flow distribution
- 2-8. Electrical wiring diagram - Outdoor
- 2-9. Sound pressure level - Outdoor
- 2-10. Sound power level - Outdoor
- 2-11. Cycle diagram
- 2-12. Dimensional drawing - Outdoor
- 2-13. Capacity correction

2 4 way cassette

2-1) Specifications

Type				4Way Cassette		4Way Cassette			
Model Name		Indoor Unit		AC071JN4CEH/EU		AC100JN4CEH/EU			
		Outdoor Unit		AC071JXSCEH/EU		AC100JXSCEH/EU			
System	Mode			-	Heat Pump		Heat Pump		
	Capacity	Cooling(Min/Std/Max)		kW	1.70 / 7.10 / 8.50		2.20 / 10.00 / 12.00		
				Btu/h	5,800 / 24,200 / 29,000		7,500 / 34,100 / 40,900		
		Heating(Min/Std/Max)		kW	3.00 / 8.00 / 11.00		3.30 / 11.20 / 17.00		
			Btu/h	10,200 / 27,300 / 37,500		11,300 / 38,200 / 58,000			
	Power	Power Input (Nominal)	Cooling(Min/Std/Max)	kW	0.71 / 1.80 / 2.20		0.74 / 2.74 / 3.54		
			Heating(Min/Std/Max)		0.68 / 1.99 / 5.08		0.68 / 2.79 / 6.90		
		Current Input (Nominal)	Cooling(Min/Std/Max)	A	3.60 / 8.10 / 10.00		3.60 / 12.00 / 15.60		
			Heating(Min/Std/Max)		3.40 / 9.00 / 22.00		3.30 / 12.40 / 30.00		
		MCA		A	25.00 (MCA)		33.00 (MCA)		
		MFA		A	30.00		40.00		
	Energy Efficiency	EER (Nominal Cooling)		-	3.94		3.65		
		COP (Nominal Heating)		-	4.02		4.01		
		Energy Grade		-	SEER 6.7 (A++)		SEER 7.0 (A++)		
				-	SCOP 4.0 (A+)		SCOP 4.1 (A+)		
	Piping Connections	Liquid Pipe		Ø, mm	9.52		9.52		
				Ø, inch	3/8"		3/8"		
		Gas Pipe		Ø, mm	15.88		15.88		
				Ø, inch	5/8"		5/8"		
		Installation Limitation	Max. Length	m	75		75		
			Max. Height	m	30		30		
	Field Wiring	Power Source Wire		Ø, mm	-		-		
		Transmission Cable		Ø, mm	0.75 ~ 1.25		0.75 ~ 1.25		
	Refrigerant	Type		-	R410A		R410A		
		Control Method		-	-		-		
		Factory Charging		kg / tCO2e	2.90 / 6.06		2.90 / 6.06		
Indoor Unit	Power Supply			Ø, #, V, Hz	1,2,220-240,50		1,2,220-240,50		
	Fan	Type		-	Turbo		Turbo		
		Motor	Output	W	97 x 1		97 x 1		
				CMM	19.50 / 17.50 / 15.50		30.00 / 24.00 / 18.90		
		Air Flow Rate		High/Mid/Low	l/s	325.00 / 291.67 / 258.33		500.00 / 400.00 / 315.00	
		External Static Pressure		Min/Std/Max	mmAq	-		-	
				Pa	-		-		
	Drain	Drain Pipe		Ø,mm	VP25 (OD 32,ID 25)		VP25 (OD 32,ID 25)		
	Sound	Pressure	High/Mid/Low	dB(A)	36.0 / 33.0 / 30.0		43.0 / 38.0 / 33.0		
		Power	Cooling		53.0		59.0		
	External Dimension	Net Weight		kg	18.00		20.00		
		Shipping Weight		kg	22.00		24.00		
		Net Dimensions (WxHxD)		mm	840 x 288 x 840		840 x 288 x 840		
		Shipping Dimensions (WxHxD)		mm	898 x 357 x 898		898 x 357 x 898		
	Panel Size	Panel model		-	PC4NUSKAN		PC4NUSKAN		
		Panel Net Weight		kg	5.90		5.90		
		Shipping Weight		kg	8.00		8.00		
		Net Dimensions (WxHxD)		mm	950 x 45 x 950		950 x 45 x 950		
		Shipping Dimensions (WxHxD)		mm	1,005 x 100 x 1,005		1,005 x 100 x 1,005		
	Additional Accessories	Drain pump	Drain pump	-	-		-		
		Max. Lifting		mm/liter/h	-		-		
		Air Filter		-	-		-		
Outdoor Unit	Power Supply			Ø, #, V, Hz	1,2,220-240,50		1,2,220-240,50		
	Compressor	Type		-	Twin BLDC Rotary		Twin BLDC Rotary		
		Model		-	UG5T450FUEJX		UG5T450FXAJX		
		Output		kW	4.12		4.01		
		Oil	Type	-	PVE		PVE		
	Fan	Air Flow Rate	Cooling	CMM	112.00		112.00		
				l/s	1,866.67		1,866.67		
	Sound	Pressure	Cooling/Heating	dB(A)	49 / 49		50 / 50		
		Power	Cooling		65		66		
	External Dimension	Net Weight		kg	96.00		96.00		
		Shipping Weight		kg	106.00		106.00		
		Net Dimensions (WxHxD)		mm	940 x 1,420 x 330		940 x 1,420 x 330		
		Shipping Dimensions (WxHxD)		mm	995 x 1,598 x 426		995 x 1,598 x 426		
	Operating Temp. Range	Cooling		°C	-20.0 ~ 50.0		-20.0 ~ 50.0		
		Heating		°C	-25.0 ~ 24.0		-25.0 ~ 24.0		

- All figures comply with EN14511

- Nominal cooling capacities are based on;

Indoor temperature : 27°C DB, 19°C WB / Outdoor temperature : 35°C DB, Refrigerant piping : 5m , Level differences : 0m

- Nominal heating capacities are based on;

Indoor temperature : 20°C DB, 15°C WB / Outdoor temperature : 7°C DB, 6°C WB, Refrigerant piping : 5m, Level differences : 0m

- Sound pressure level is acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.

- Specifications may be subject to change without prior notice.

- These products contain R410A(GWP=2,088) which is fluorinated greenhouse gas.

※ Heat Exchanger type : Indoor Unit - Fin & Tube (Fin : Al, Tube : Cu)

Outdoor Unit - FMC (Fin, Tube : Al)

2 4 way cassette

2-1) Specifications

Type				4Way Cassette		4Way Cassette			
Model Name		Indoor Unit		AC100JN4CEH/EU		AC125JN4CEH/EU			
		Outdoor Unit		AC100JXSCGH/EU		AC125JXSCGH/EU			
System	Mode		-	Heat Pump		Heat Pump			
	Capacity	Cooling(Min/Std/Max)		kW	2.20 / 10.00 / 12.00		2.20 / 12.50 / 14.00		
				Btu/h	7,500 / 34,100 / 40,900		7,500 / 42,700 / 47,800		
		Heating(Min/Std/Max)		kW	3.30 / 11.20 / 17.00		3.30 / 14.00 / 19.00		
				Btu/h	11,300 / 38,200 / 58,000		11,300 / 47,800 / 64,800		
	Power	Power Input (Nominal)	Cooling(Min/Std/Max)	kW	0.74 / 2.74 / 3.54		0.74 / 3.89 / 4.25		
			Heating(Min/Std/Max)		0.68 / 2.79 / 6.90		0.68 / 3.77 / 7.20		
		Current Input (Nominal)	Cooling(Min/Std/Max)	A	1.40 / 4.40 / 5.50		1.40 / 6.00 / 6.60		
			Heating(Min/Std/Max)		1.30 / 4.50 / 11.00		1.30 / 6.00 / 11.00		
		MCA		A	13.00 (MCA)		13.00 (MCA)		
		MFA		A	15.00		15.00		
	Energy Efficiency	EER (Nominal Cooling)		-	3.65		3.21		
		COP (Nominal Heating)		-	4.01		3.71		
		Energy Grade		-	SEER 7.0 (A++)		-		
				-	SCOP 4.1 (A+)		-		
	Piping Connections	Liquid Pipe		Ø, mm	9.52		9.52		
				Ø, inch	3/8"		3/8"		
		Gas Pipe		Ø, mm	15.88		15.88		
				Ø, inch	5/8"		5/8"		
		Installation Limitation	Max. Length	m	75		75		
			Max. Height	m	30		30		
	Field Wiring	Power Source Wire		Ø, mm	-		-		
		Transmission Cable		Ø, mm	0.75 ~ 1.25		0.75 ~ 1.25		
	Refrigerant	Type		-	R410A		R410A		
		Control Method		-	-		-		
		Factory Charging		kg / tCO2e	2.90 / 6.06		2.90 / 6.06		
Indoor Unit	Power Supply			Ø, #, V, Hz	1,2,220-240,50		1,2,220-240,50		
	Fan	Type		-	Turbo		Turbo		
		Motor	Output	W	97 x 1		97 x 1		
				CMM	30.00 / 24.00 / 18.90		30.00 / 24.00 / 18.90		
		Air Flow Rate		High/Mid/Low	l/s	500.00 / 400.00 / 315.00		500.00 / 400.00 / 315.00	
		External Static Pressure		Min/Std/Max	mmAq	-		-	
	Pa				-		-		
	Drain	Drain Pipe		Ø,mm	VP25 (OD 32,ID 25)		VP25 (OD 32,ID 25)		
	Sound	Pressure	High/Mid/Low	dB(A)	43.0 / 38.0 / 33.0		44.0 / 39.0 / 34.0		
		Power	Cooling		59.0		60.0		
	External Dimension	Net Weight		kg	20.00		20.00		
		Shipping Weight		kg	24.00		24.00		
		Net Dimensions (WxHxD)		mm	840 x 288 x 840		840 x 288 x 840		
		Shipping Dimensions (WxHxD)		mm	898 x 357 x 898		898 x 357 x 898		
	Panel Size	Panel model		-	PC4NUSKAN		PC4NUSKAN		
		Panel Net Weight		kg	5.90		5.90		
		Shipping Weight		kg	8.00		8.00		
		Net Dimensions (WxHxD)		mm	950 x 45 x 950		950 x 45 x 950		
		Shipping Dimensions (WxHxD)		mm	1,005 x 100 x 1,005		1,005 x 100 x 1,005		
	Additional Accessories	Drain pump	Drain pump	-	-		-		
			Max. Lifting	mm/liter/h	-		-		
	Air Filter		-		-		-		
	Outdoor Unit	Power Supply			Ø, #, V, Hz	3,4,380-415,50		3,4,380-415,50	
Compressor		Type		-	Twin BLDC Rotary		Twin BLDC Rotary		
		Model		-	UG5T450FXAJX		UG5T450FXAJX		
		Output		kW	4.01		4.01		
		Oil	Type	-	PVE		PVE		
Fan		Air Flow Rate	Cooling	CMM	112.00		112.00		
				l/s	1,866.67		1,866.67		
Sound		Pressure	Cooling/Heating	dB(A)	50 / 50		52 / 52		
		Power	Cooling		66		69		
External Dimension		Net Weight		kg	96.00		96.00		
		Shipping Weight		kg	106.00		106.00		
		Net Dimensions (WxHxD)		mm	940 x 1,420 x 330		940 x 1,420 x 330		
		Shipping Dimensions (WxHxD)		mm	995 x 1,598 x 426		995 x 1,598 x 426		
Operating Temp. Range		Cooling		°C	-20.0 ~ 50.0		-20.0 ~ 50.0		
		Heating		°C	-25.0 ~ 24.0		-25.0 ~ 24.0		

- All figures comply with EN14511

- Nominal cooling capacities are based on;

Indoor temperature : 27°C DB, 19°C WB / Outdoor temperature : 35°C DB, Refrigerant piping : 5m , Level differences : 0m

- Nominal heating capacities are based on;

Indoor temperature : 20°C DB, 15°C WB / Outdoor temperature : 7°C DB, 6°C WB, Refrigerant piping : 5m, Level differences : 0m

- Sound pressure level is acquired in an anechoic room. Thus actual noise level may be different depending on the installation

conditions. - Specifications may be subject to change without prior notice.

- These products contain R410A(GWP=2,088) which is fluorinated greenhouse gas.

※ Heat Exchanger type : Indoor Unit - Fin & Tube (Fin : Al, Tube : Cu)
Outdoor Unit - FMC (Fin, Tube : Al)

2 4 way cassette

2-2) Capacity table

AC071JN4CEH/EU + AC071JXSCEH/EU

Cooling

TC(Total Capacity), SHC(Sensible Heat Capacity), PI(Power Input)

Outdoor Temperature (°C, DB)	Indoor Temperature (°C, DB / WB)																				
	20 / 14			22 / 16			25 / 18			27 / 19			28 / 20			30 / 22			32 / 24		
	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
-20	7.9	5.7	2.45	8.3	5.8	2.50	8.7	6.0	2.55	8.9	6.2	2.60	9.1	6.1	2.63	9.6	6.1	2.65	10.0	6.0	2.71
21	8.7	6.0	1.83	9.2	6.2	1.86	9.6	6.4	1.90	9.9	6.6	1.94	10.1	6.6	1.96	10.6	6.5	1.98	11.1	6.4	2.02
35	6.3	5.0	1.69	6.6	5.1	1.73	6.9	5.3	1.76	7.1	5.5	1.80	7.2	5.4	1.82	7.6	5.4	1.84	8.0	5.3	1.87
46	5.8	4.7	3.11	6.1	4.8	3.17	6.3	4.9	3.23	6.5	5.1	3.30	6.7	5.0	3.33	7.0	5.0	3.37	7.4	4.9	3.43
50	4.4	4.1	3.03	4.6	4.3	3.09	4.8	4.4	3.16	5.0	4.5	3.22	5.1	4.5	3.25	5.3	4.4	3.28	5.6	4.4	3.35

Heating

TC : Total Capacity, PI: Power Input

Outdoor Air Temp. (DB)	Indoor temperature (°C)											
	16.0 (DB)		18.0 (DB)		20.0 (DB)		21.0 (DB)		22.0 (DB)		24.0 (DB)	
	TC(kW)	PI(kW)	TC(kW)	PI(kW)	TC(kW)	PI(kW)	TC(kW)	PI(kW)	TC(kW)	PI(kW)	TC(kW)	PI(kW)
-25.0	8.10	4.93	8.00	4.88	7.90	4.83	7.80	4.78	7.80	4.73	7.70	4.69
-20.0	8.40	4.92	8.30	4.87	8.20	4.82	8.10	4.77	8.10	4.72	8.00	4.68
-10.0	9.40	4.93	9.30	4.88	9.20	4.83	9.10	4.79	9.00	4.74	8.90	4.69
0.0	10.80	4.94	10.70	4.89	10.60	4.85	10.50	4.80	10.40	4.75	10.30	4.70
7.0	8.20	2.03	8.10	2.01	8.00	1.99	7.90	1.97	7.80	1.95	7.80	1.93
24.0	12.30	3.37	12.20	3.34	12.00	3.31	11.90	3.27	11.80	3.24	11.70	3.21

AC100JN4CEH/EU + AC100JXSCEH/EU

Cooling

TC(Total Capacity), SHC(Sensible Heat Capacity), PI(Power Input)

Outdoor Temperature (°C, DB)	Indoor Temperature (°C, DB / WB)																				
	20 / 14			22 / 16			25 / 18			27 / 19			28 / 20			30 / 22			32 / 24		
	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
-20	9.7	7.8	1.96	10.2	8.1	2.00	10.7	8.3	2.04	11.0	8.6	2.08	11.2	8.5	2.10	11.8	8.4	2.12	12.4	8.2	2.17
21	11.0	8.6	2.06	11.5	8.9	2.11	12.0	9.1	2.15	12.4	9.4	2.19	12.6	9.3	2.21	13.3	9.2	2.24	13.9	9.1	2.28
35	8.8	7.3	2.58	9.3	7.5	2.63	9.7	7.8	2.69	10.0	8.0	2.74	10.2	7.9	2.77	10.7	7.8	2.79	11.2	7.7	2.85
46	7.0	6.6	3.39	7.4	6.8	3.46	7.7	7.0	3.53	7.9	7.2	3.60	8.1	7.1	3.64	8.5	7.0	3.67	8.9	6.9	3.75
50	6.2	6.1	3.11	6.5	6.3	3.17	6.8	6.5	3.23	7.0	6.7	3.30	7.1	6.6	3.33	7.5	6.5	3.37	7.9	6.4	3.43

Heating

TC : Total Capacity PI: Power Input

Outdoor Air Temp. (DB)	Indoor temperature (°C)											
	16.0 (DB)		18.0 (DB)		20.0 (DB)		21.0 (DB)		22.0 (DB)		24.0 (DB)	
	TC(kW)	PI(kW)	TC(kW)	PI(kW)	TC(kW)	PI(kW)	TC(kW)	PI(kW)	TC(kW)	PI(kW)	TC(kW)	PI(kW)
-25.0	10.00	4.99	9.90	4.94	9.80	4.90	9.70	4.85	9.60	4.80	9.50	4.75
-20.0	11.90	5.63	11.80	5.58	11.70	5.52	11.60	5.47	11.40	5.41	11.30	5.36
-10.0	14.90	6.56	14.70	6.50	14.60	6.43	14.50	6.37	14.30	6.30	14.20	6.24
0.0	17.30	6.76	17.10	6.69	16.90	6.62	16.80	6.56	16.60	6.49	16.40	6.43
7.0	11.40	2.85	11.30	2.82	11.20	2.79	11.10	2.76	11.00	2.73	10.90	2.71
24.0	16.50	3.53	16.40	3.49	16.20	3.46	16.00	3.43	15.90	3.39	15.70	3.36

* Capacity table may be subject to change without prior notice.

1) Capacities are based on following conditions;

. Heating mode outdoor air : 85%RH. However, the condition rated capacity is 7°C DB / 6°C WB.

. Refrigerant piping length : 5m

. Level difference : 0m.

2 4 way cassette

2-2) Capacity table

AC100JN4CEH/EU + AC100JXSCGH/EU

Cooling

TC(Total Capacity), SHC(Sensible Heat Capacity), PI(Power Input)

Outdoor Temperature (°C, DB)	Indoor Temperature (°C, DB / WB)																				
	20 / 14			22 / 16			25 / 18			27 / 19			28 / 20			30 / 22			32 / 24		
	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
-20	9.7	7.8	1.96	10.2	8.1	2.00	10.7	8.3	2.04	11.0	8.6	2.08	11.2	8.5	2.10	11.8	8.4	2.12	12.4	8.2	2.17
21	11.0	8.6	2.06	11.5	8.9	2.11	12.0	9.1	2.15	12.4	9.4	2.19	12.6	9.3	2.21	13.3	9.2	2.24	13.9	9.1	2.28
35	8.8	7.3	2.58	9.3	7.5	2.63	9.7	7.8	2.69	10.0	8.0	2.74	10.2	7.9	2.77	10.7	7.8	2.79	11.2	7.7	2.85
46	7.0	6.6	3.39	7.4	6.8	3.46	7.7	7.0	3.53	7.9	7.2	3.60	8.1	7.1	3.64	8.5	7.0	3.67	8.9	6.9	3.75
50	6.2	6.1	3.11	6.5	6.3	3.17	6.8	6.5	3.23	7.0	6.7	3.30	7.1	6.6	3.33	7.5	6.5	3.37	7.9	6.4	3.43

Heating

TC : Total Capacity, PI: Power Input

Outdoor Air Temp. (DB)	Indoor temperature (°C)											
	16.0 (DB)		18.0 (DB)		20.0 (DB)		21.0 (DB)		22.0 (DB)		24.0 (DB)	
	TC(kW)	PI(kW)	TC(kW)	PI(kW)	TC(kW)	PI(kW)	TC(kW)	PI(kW)	TC(kW)	PI(kW)	TC(kW)	PI(kW)
-25.0	10.00	5.00	9.90	4.95	9.80	4.90	9.70	4.85	9.60	4.80	9.50	4.75
-20.0	11.90	5.63	11.80	5.58	11.70	5.52	11.60	5.46	11.50	5.41	11.40	5.36
-10.0	14.90	6.56	14.70	6.49	14.60	6.43	14.50	6.37	14.30	6.30	14.20	6.24
0.0	17.20	6.75	17.10	6.69	16.90	6.62	16.70	6.55	16.60	6.49	16.40	6.42
7.0	11.40	2.85	11.30	2.82	11.20	2.79	11.10	2.76	11.00	2.73	10.90	2.71
24.0	16.50	3.53	16.40	3.50	16.20	3.46	16.00	3.43	15.90	3.39	15.70	3.36

AC125JN4CEH/EU + AC125JXSCGH/EU

Cooling

TC(Total Capacity), SHC(Sensible Heat Capacity), PI(Power Input)

Outdoor Temperature (°C, DB)	Indoor Temperature (°C, DB / WB)																				
	20 / 14			22 / 16			25 / 18			27 / 19			28 / 20			30 / 22			32 / 24		
	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
-20	12.6	10.1	2.78	13.2	10.4	2.84	13.8	10.7	2.90	14.2	11.1	2.96	14.5	11.0	2.99	15.2	10.9	3.02	16.0	10.6	3.08
21	13.7	10.8	2.93	14.4	11.1	2.99	15.0	11.4	3.05	15.5	11.8	3.11	15.8	11.7	3.14	16.6	11.5	3.17	17.4	11.3	3.24
35	11.1	8.3	3.66	11.6	8.6	3.74	12.1	8.9	3.81	12.5	9.1	3.89	12.8	9.0	3.93	13.4	8.9	3.97	14.1	8.8	4.05
46	8.8	7.7	4.21	9.2	8.0	4.29	9.6	8.2	4.38	9.9	8.5	4.47	10.1	8.4	4.51	10.6	8.3	4.56	11.1	8.1	4.65
50	7.2	6.7	3.84	7.5	6.9	3.92	7.9	7.1	4.00	8.1	7.3	4.08	8.3	7.2	4.12	8.7	7.1	4.16	9.1	7.0	4.24

Heating

TC : Total Capacity PI: Power Input

Outdoor Air Temp. (DB)	Indoor temperature (°C)											
	16.0 (DB)		18.0 (DB)		20.0 (DB)		21.0 (DB)		22.0 (DB)		24.0 (DB)	
	TC(kW)	PI(kW)	TC(kW)	PI(kW)	TC(kW)	PI(kW)	TC(kW)	PI(kW)	TC(kW)	PI(kW)	TC(kW)	PI(kW)
-25.0	10.10	4.84	10.00	4.79	9.90	4.75	9.80	4.70	9.70	4.65	9.60	4.61
-20.0	13.20	6.29	13.00	6.23	12.90	6.17	12.80	6.10	12.60	6.04	12.50	5.98
-10.0	16.40	7.30	16.20	7.23	16.00	7.16	15.90	7.09	15.70	7.02	15.60	6.95
0.0	19.00	7.52	18.80	7.44	18.60	7.37	18.40	7.30	18.20	7.22	18.10	7.15
7.0	14.30	3.85	14.10	3.81	14.00	3.77	13.90	3.73	13.70	3.69	13.60	3.66
24.0	18.20	4.84	18.00	4.79	17.80	4.75	17.60	4.70	17.50	4.65	17.30	4.61

* Capacity table may be subject to change without prior notice.

1) Capacities are based on following conditions;

. Heating mode outdoor air : 85%RH. However, the condition rated capacity is 7°C DB / 6°C WB.

. Refrigerant piping length : 5m

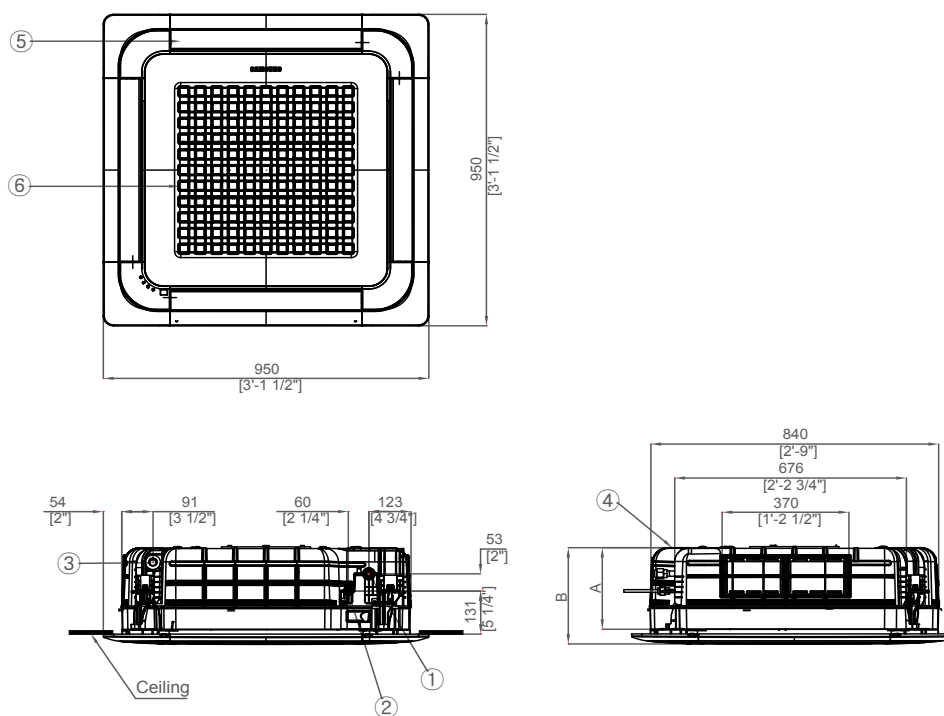
. Level difference : 0m.

2) 4 way cassette

2-3) Dimensional drawing - Indoor

AC071JN4CEH/EU, AC100JN4CEH/EU, AC125JN4CEH/EU

Units : mm / inches



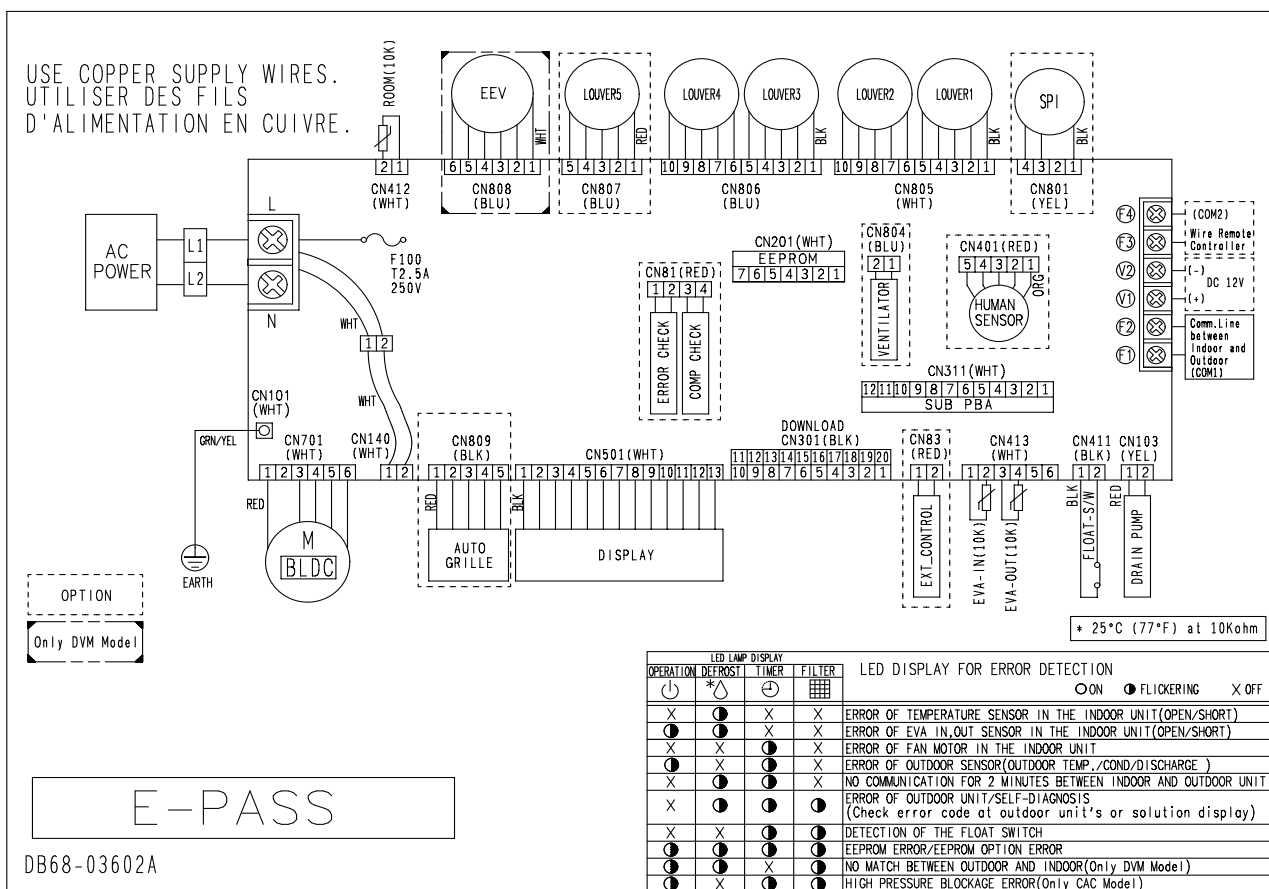
	Description
	7.1kW, 10kW, 12.5kW
A (mm)	288
B (mm)	337

Table of descriptions	
1	Refrigerant gas pipe
2	Refrigerant liquid pipe
3	Condensate drain
4	Power & Comm. wiring conduits
5	Air outlet louver
6	Air inlet grille

2 4 way cassette

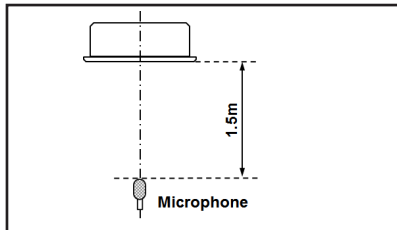
2-4) Electrical wiring diagram - Indoor

AC071JN4CEH/EU, AC100JN4CEH/EU, AC125JN4CEH/EU



2 4 way cassette

2-5) Sound pressure level



Unit: dB(A)

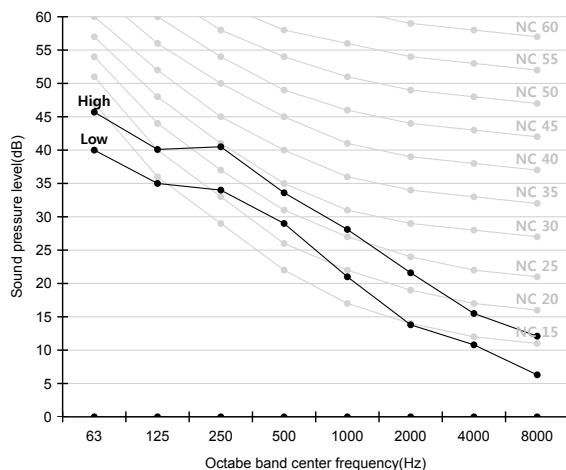
Model	High	Low
AC071JN4CEH/EU (ODU : AC071JXSCEH/EU)	36	30
AC100JN4CEH/EU (ODU : AC100JXSCEH/EU)	43	33
AC100JN4CEH/EU (ODU : AC100JXSCGH/EU)	43	33
AC125JN4CEH/EU (ODU : AC125JXSCGH/EU)	44	34

Note

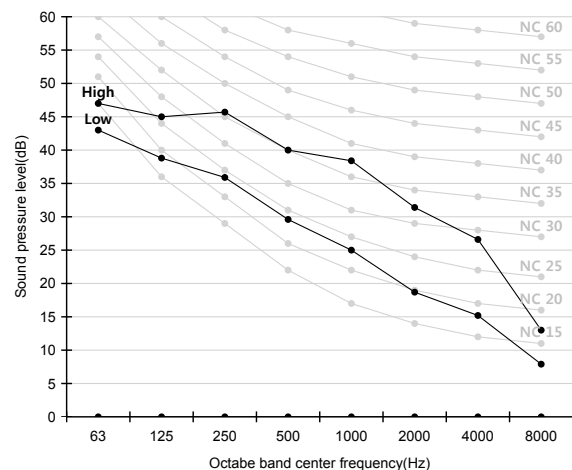
- * Specifications may be subject to change without prior notice
- These operation values are obtained in an anechoic room.
- Sound pressure level is a relative value, depending on the distance and acoustic environment.
- Sound pressure level may differ depending on operation condition

NC curve

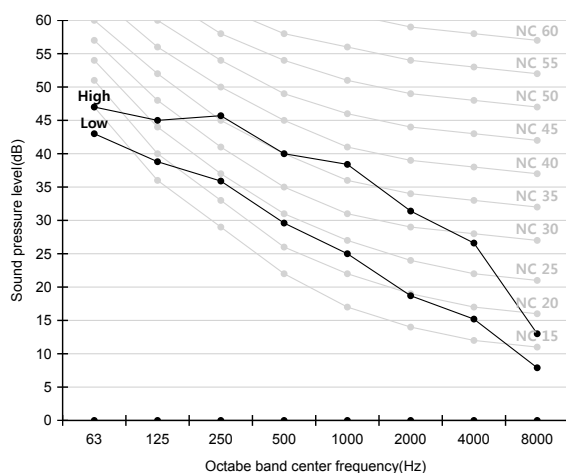
1) AC071JN4CEH/EU (ODU : AC071JXSCEH/EU)



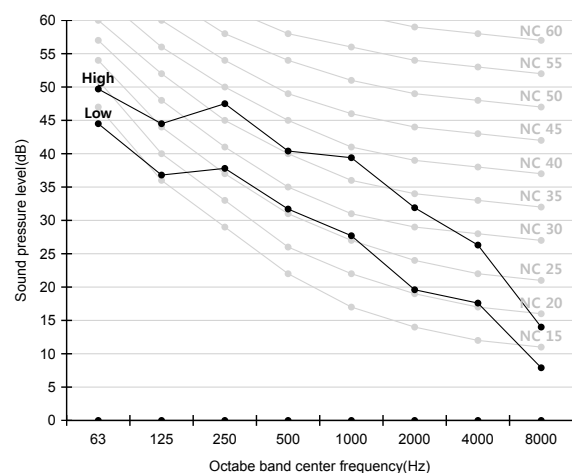
2) AC100JN4CEH/EU (ODU : AC100JXSCEH/EU)



3) AC100JN4CEH/EU (ODU : AC100JXSCGH/EU)



4) AC125JN4CEH/EU (ODU : AC125JXSCGH/EU)



2 4 way cassette

2-6) Sound power level

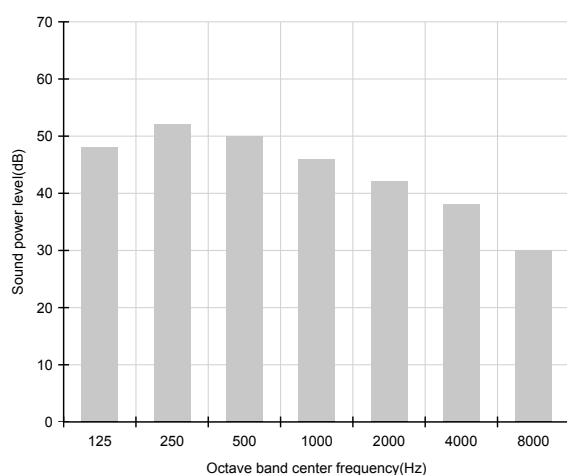
Note

dBA = A-weighted sound power level.
Reference power : 1pW.
Measured according to ISO 3741.

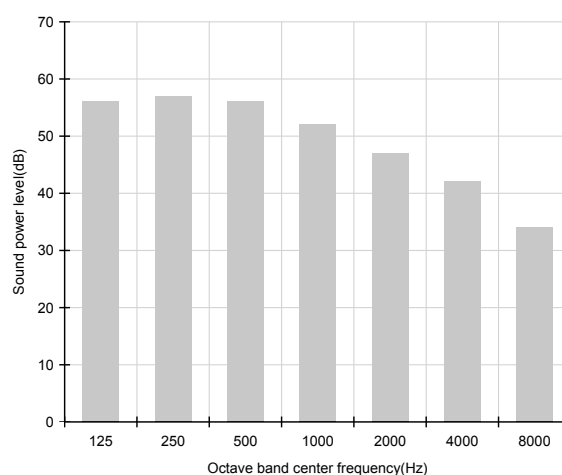
Unit: dB(A)

Model	Power
AC071JN4CEH/EU (ODU : AC071JXSCEH/EU)	53
AC100JN4CEH/EU (ODU : AC100JXSCEH/EU)	59
AC100JN4CEH/EU (ODU : AC100JXSCGH/EU)	59
AC125JN4CEH/EU (ODU : AC125JXSCGH/EU)	60

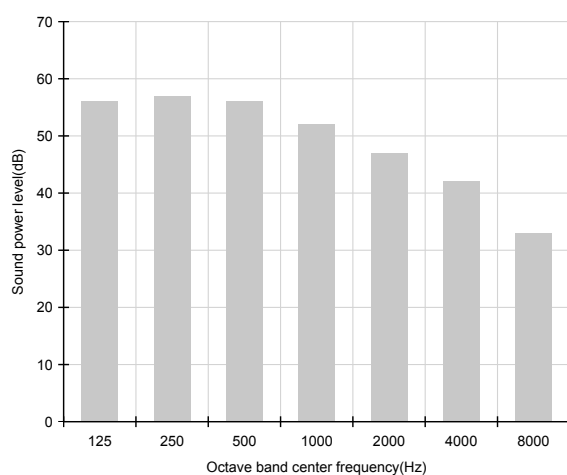
1) AC071JN4CEH/EU (ODU : AC071JXSCEH/EU)



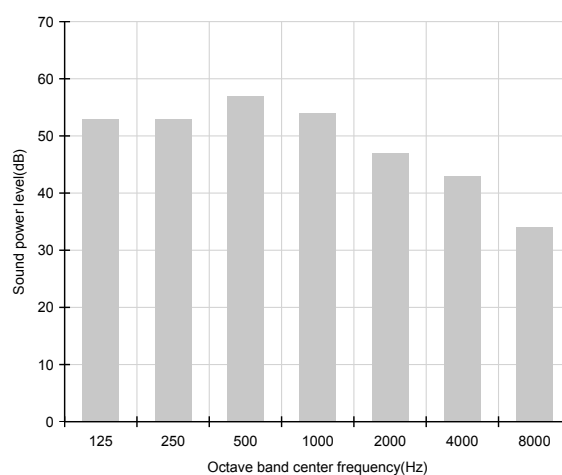
2) AC100JN4CEH/EU (ODU : AC100JXSCEH/EU)



3) AC100JN4CEH/EU (ODU : AC100JXSCGH/EU)



4) AC125JN4CEH/EU (ODU : AC125JXSCGH/EU)



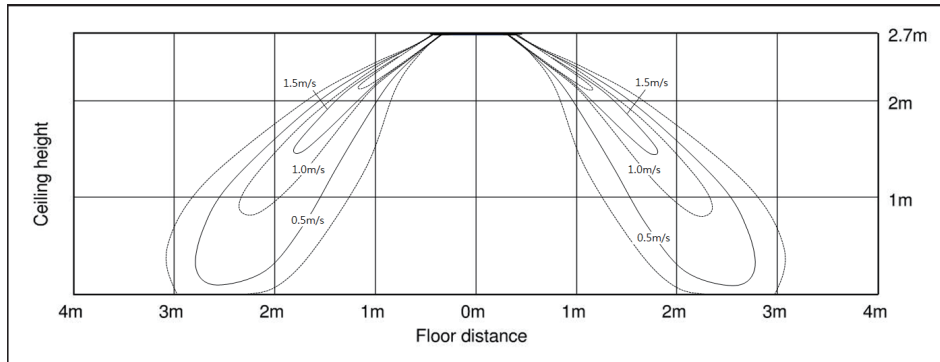
2 4 way cassette

2-7) Temperature and air flow distribution

AC071JN4CEH/EU

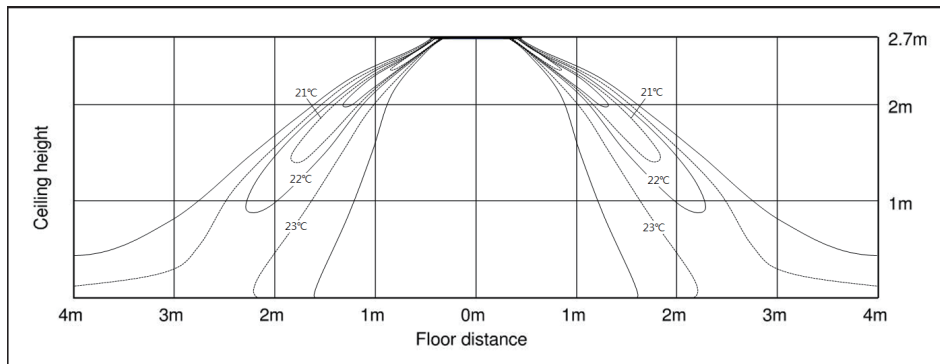
(1) Cooling air velocity distribution

Discharge angle : 37°



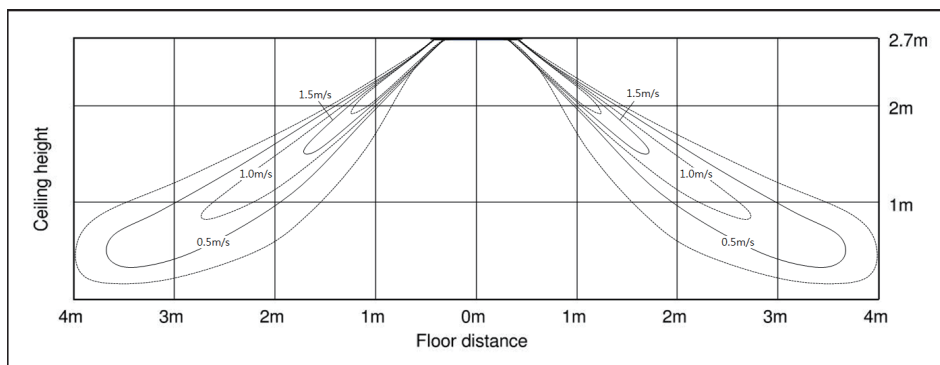
(2) Cooling temperature distribution

Discharge angle : 37°



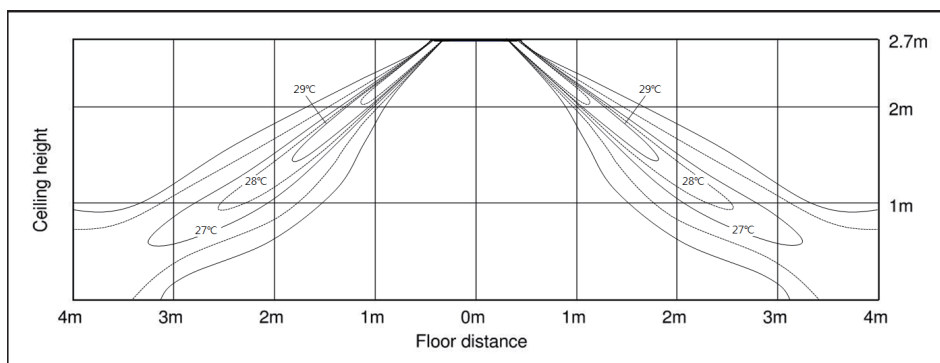
(3) Heating air velocity distribution

Discharge angle : 43°



(4) Heating temperature distribution

Discharge angle : 43°



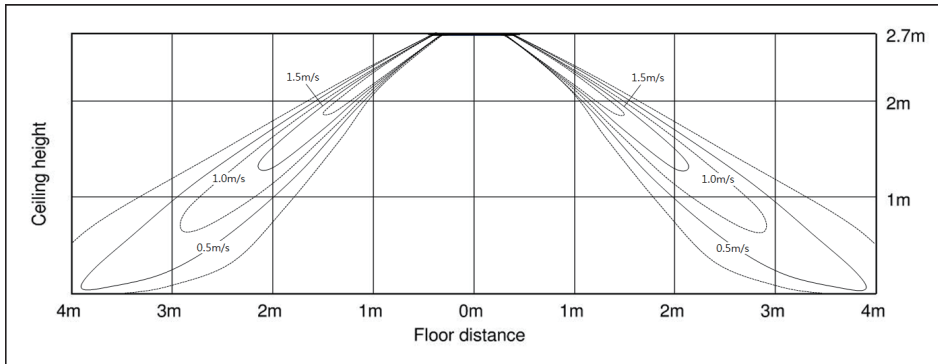
2 4 way cassette

2-7) Temperature and air flow distribution

AC100JN4CEH/EU

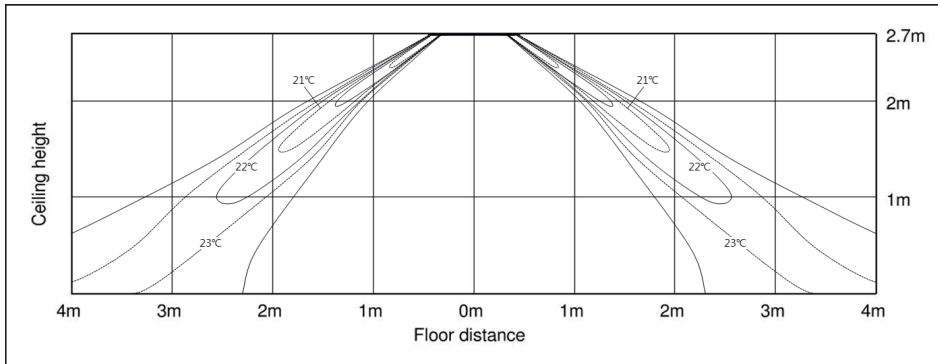
(1) Cooling air velocity distribution

Discharge angle : 37°



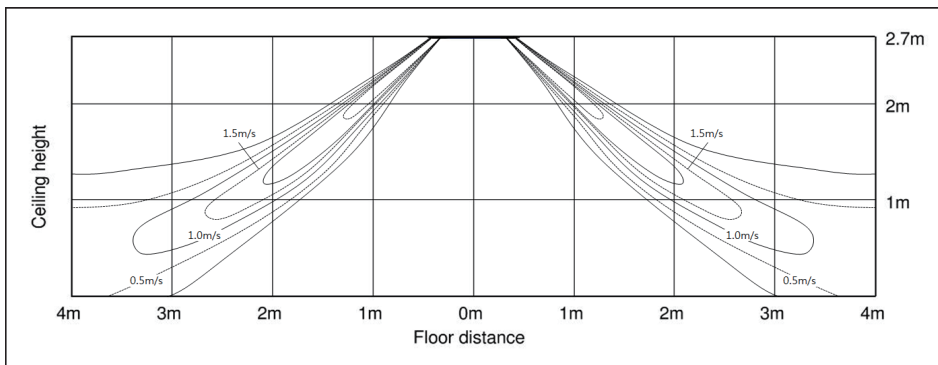
(2) Cooling temperature distribution

Discharge angle : 37°



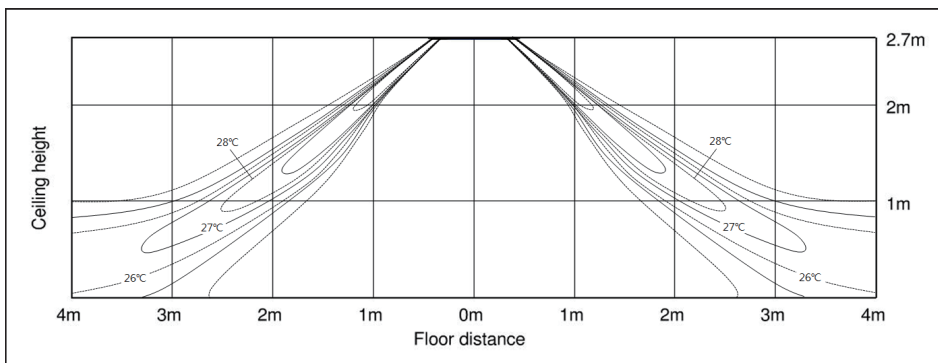
(3) Heating air velocity distribution

Discharge angle : 43°



(4) Heating temperature distribution

Discharge angle : 43°



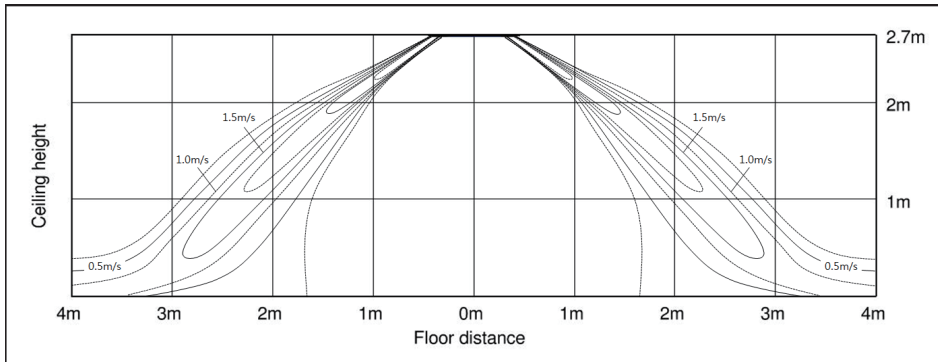
2 4 way cassette

2-7) Temperature and air flow distribution

AC125JN4CEH/EU

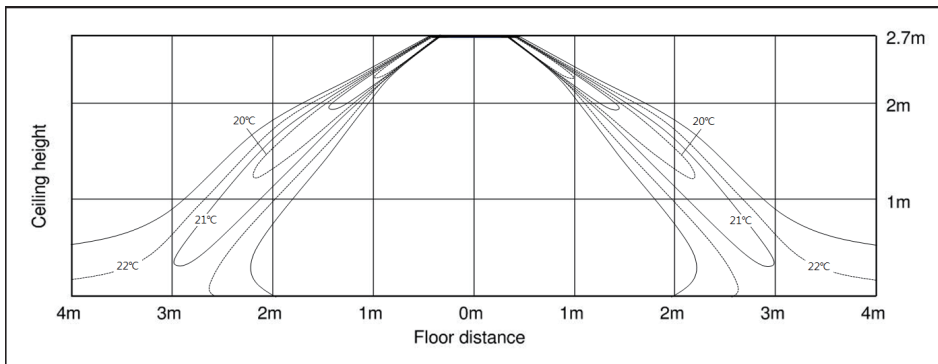
(1) Cooling air velocity distribution

Discharge angle : 37°



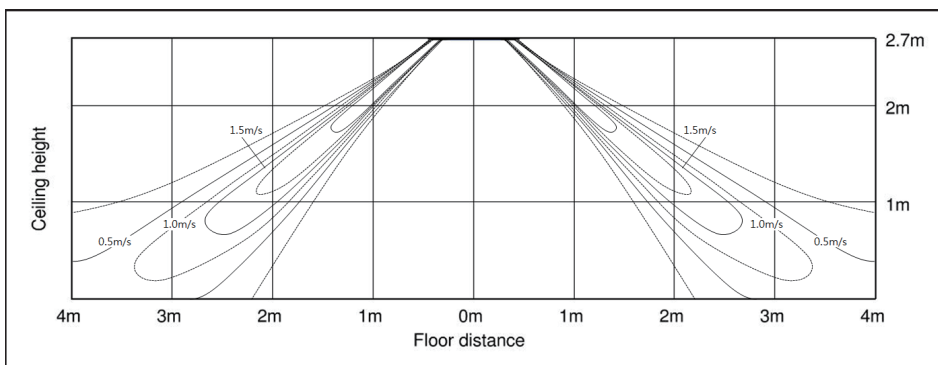
(2) Cooling temperature distribution

Discharge angle : 37°



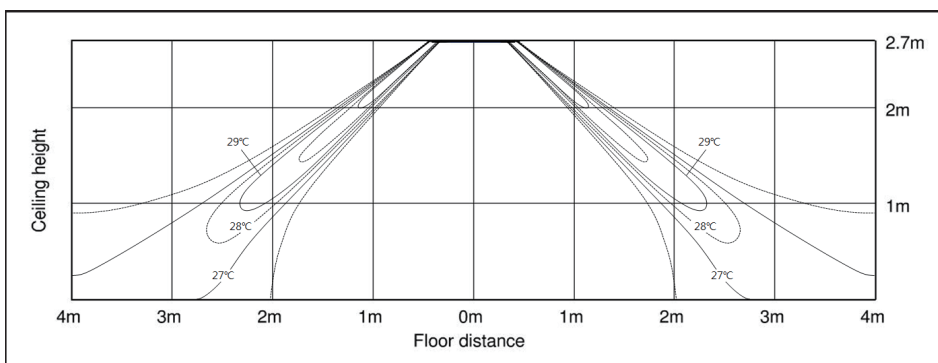
(3) Heating air velocity distribution

Discharge angle : 43°



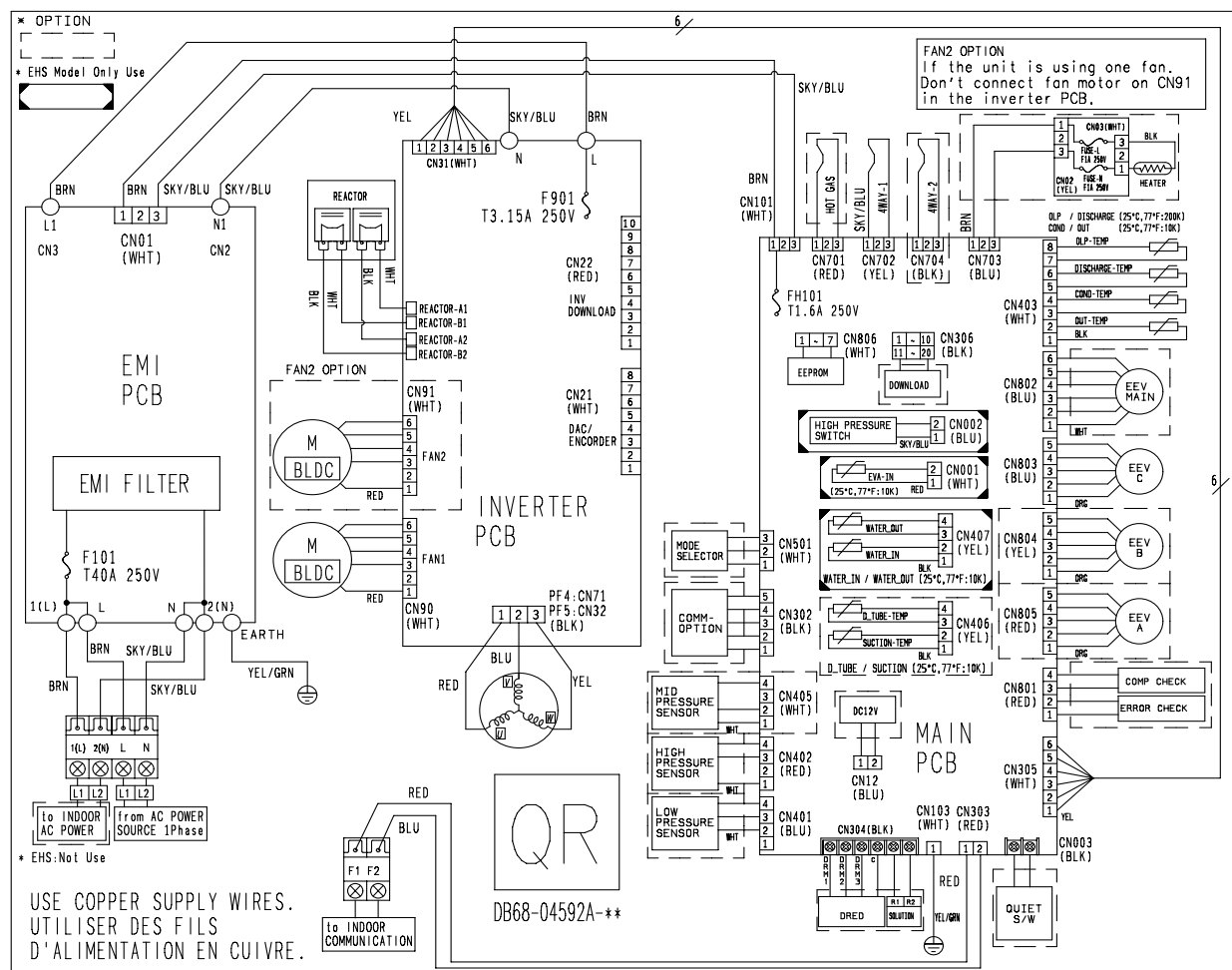
(4) Heating temperature distribution

Discharge angle : 43°



2-8) Electrical wiring diagram - Outdoor

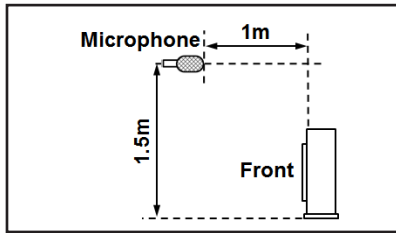
AC071JXSCEH/EU, AC100JXSCEH/EU





2 4 way cassette

2-9) Sound pressure level - Outdoor



Unit: dB(A)

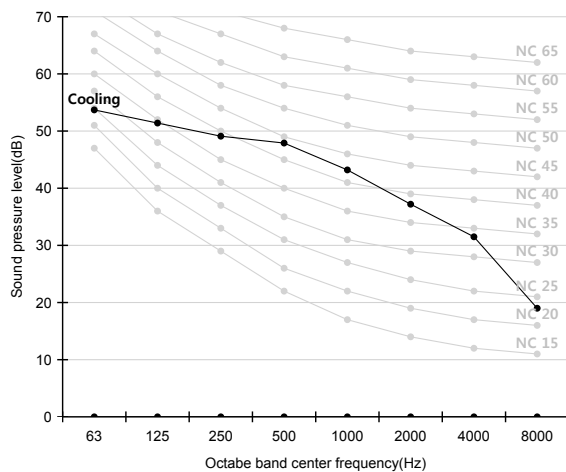
Model	Cooling	Heating
AC071JXSCEH/EU (IDU : AC071JN4CEH/EU)	49	49
AC100JXSCEH/EU (IDU : AC100JN4CEH/EU)	50	50
AC100JXSCGH/EU (IDU : AC100JN4CEH/EU)	50	50
AC125JXSCGH/EU (IDU : AC125JN4CEH/EU)	52	52

Note

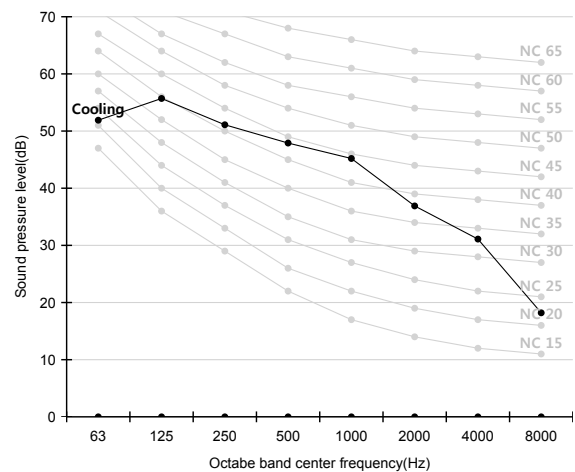
- * Specifications may be subject to change without prior notice
- These operation values are obtained in an anechoic room.
- Sound pressure level is a relative value, depending on the distance and acoustic environment.
- Sound pressure level may differ depending on operation condition

NC curve

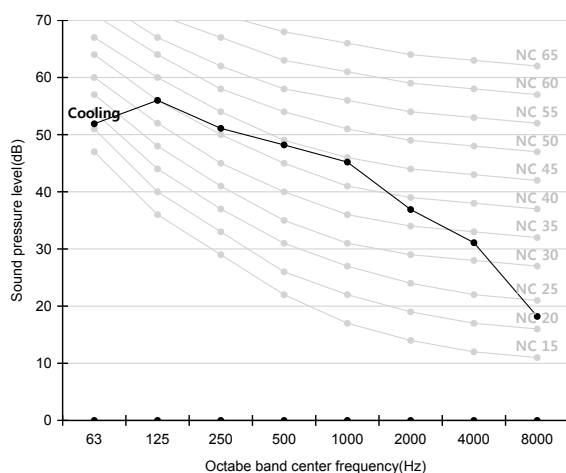
1) AC071JXSCEH/EU (IDU : AC071JN4CEH/EU)



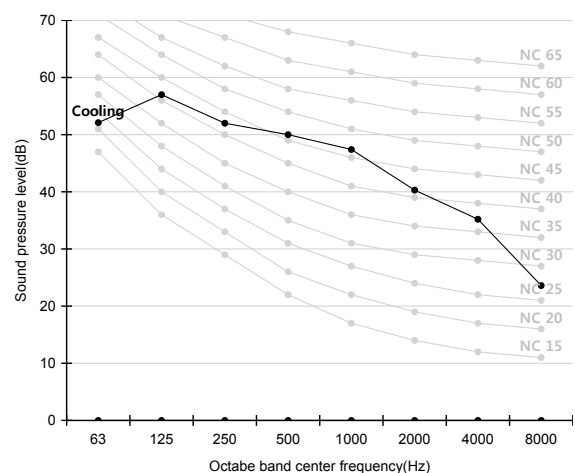
2) AC100JXSCEH/EU (IDU : AC100JN4CEH/EU)



3) AC100JXSCGH/EU (IDU : AC100JN4CEH/EU)



4) AC125JXSCGH/EU (IDU : AC125JN4CEH/EU)



2 4 way cassette

2-10) Sound power level - Outdoor

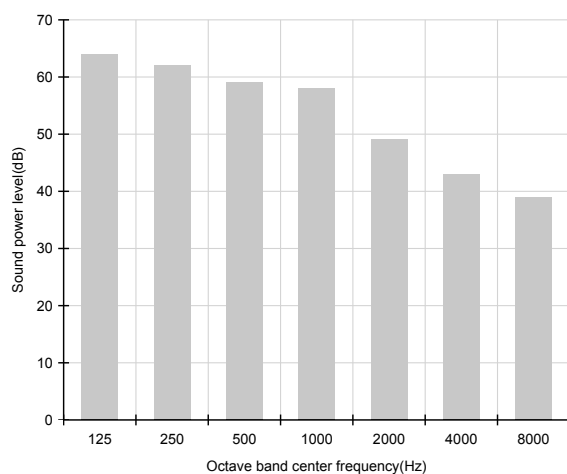
Note

dBA = A-weighted sound power level.
Reference power : 1pW.
Measured according to ISO 3741.

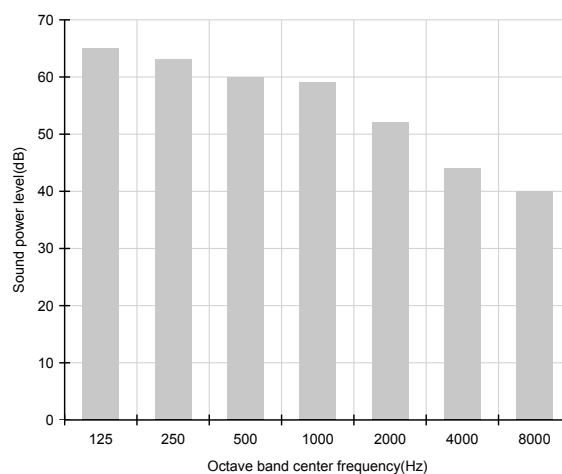
Unit: dB(A)

Model	Power
AC071JXSCEH/EU (IDU : AC071JN4CEH/EU)	65
AC100JXSCEH/EU (IDU : AC100JN4CEH/EU)	66
AC100JXSCGH/EU (IDU : AC100JN4CEH/EU)	66
AC125JXSCGH/EU (IDU : AC125JN4CEH/EU)	69

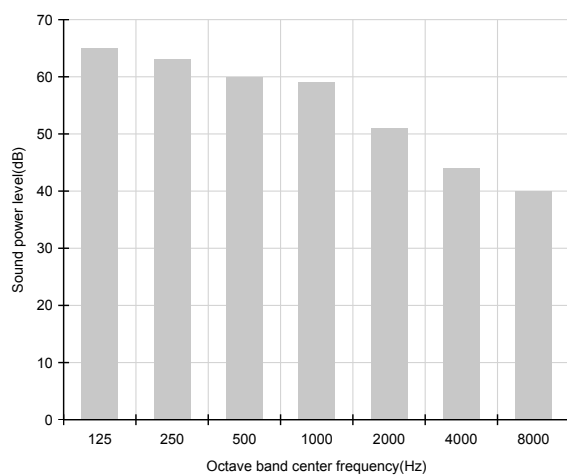
1) AC071JXSCEH/EU (IDU : AC071JN4CEH/EU)



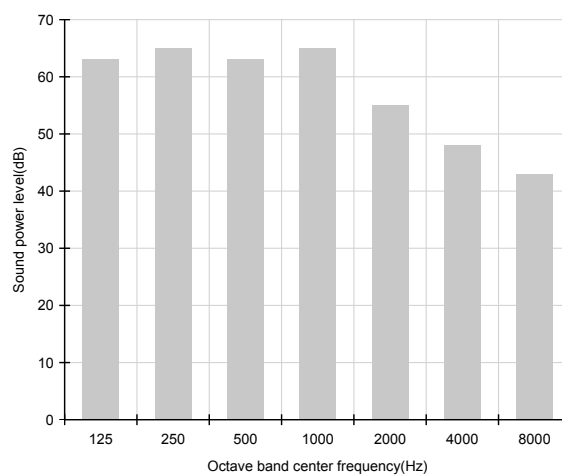
2) AC100JXSCEH/EU (IDU : AC100JN4CEH/EU)



3) AC100JXSCGH/EU (IDU : AC100JN4CEH/EU)

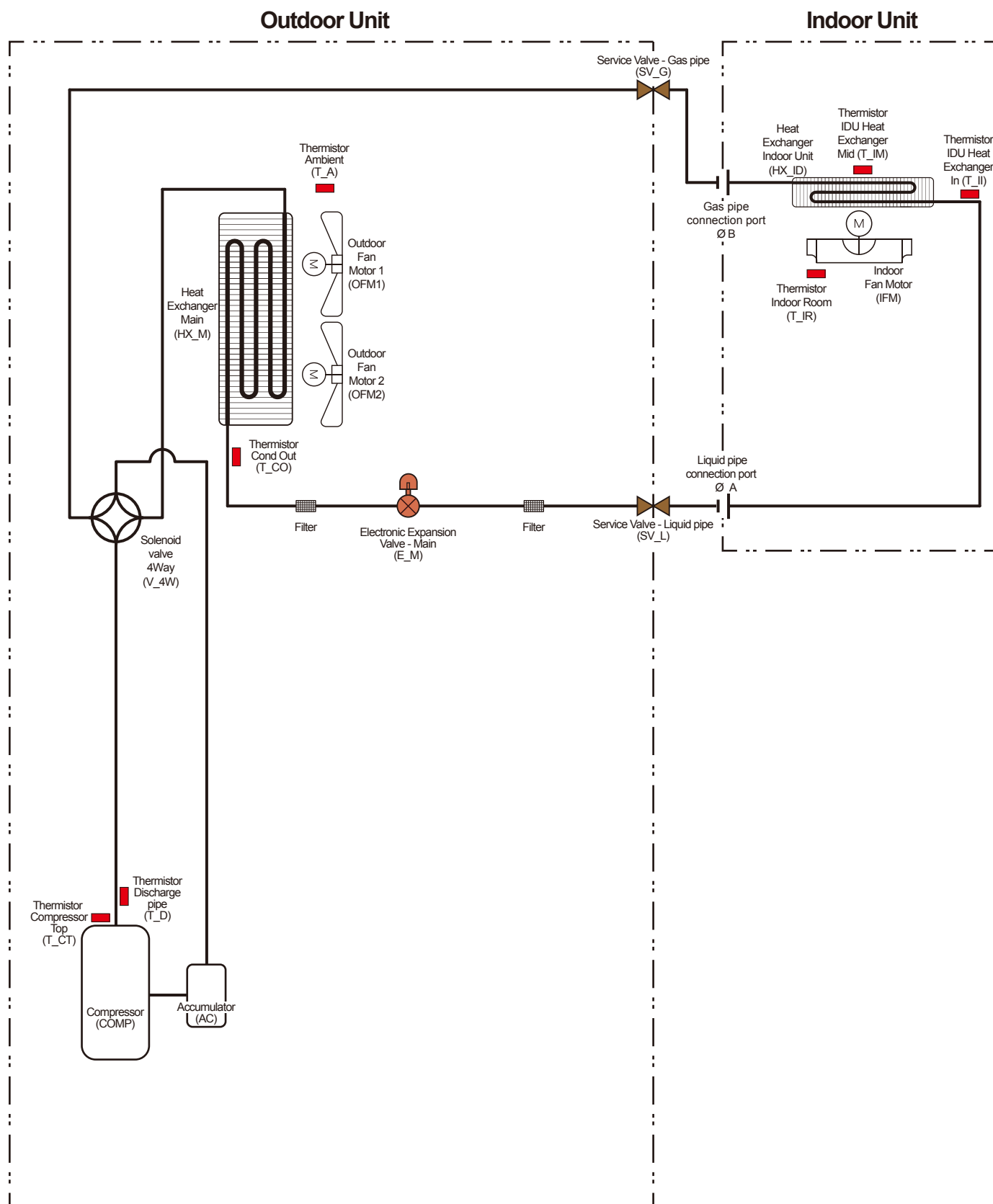


4) AC125JXSCGH/EU (IDU : AC125JN4CEH/EU)



2 4 way cassette

2-11) Cycle diagram



2 4 way cassette

2-12) Dimensional drawing - Outdoor

AC071JXSCEH/EU, AC100JXSCGH/EU, AC100JXSCEH/EU, AC125JXSCGH/EU

Units : mm / inches

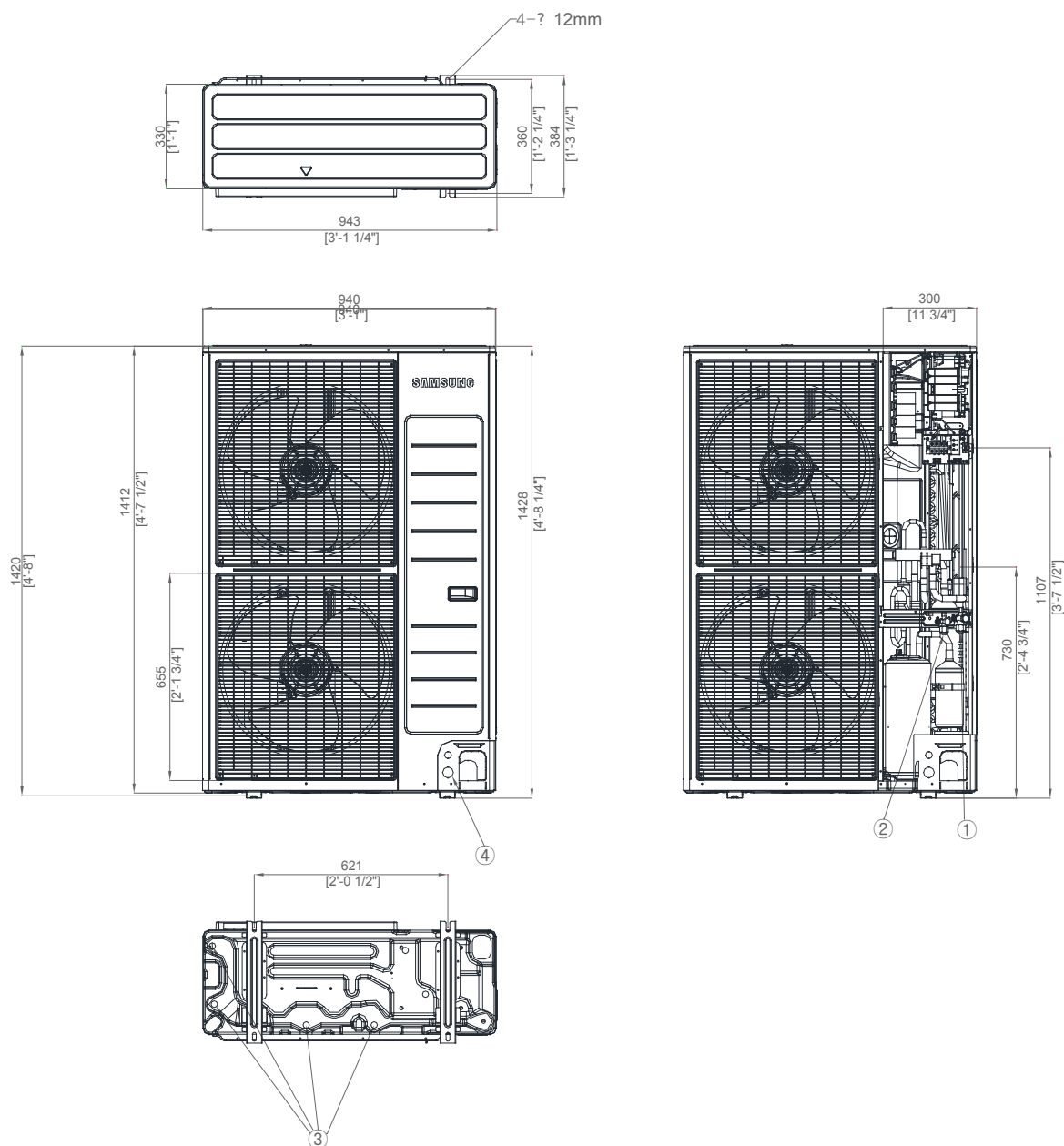


Table of descriptions

1	Refrigerant gas pipe
2	Refrigerant liquid pipe
3	Drain Hole
4	Power & Comm. wiring conduits

2 4 way cassette

2-13) Capacity correction

AC071JXSCEH/EU, AC100JXSCEH/EU, AC100JXSCGH/EU, AC125JXSCEH/EU

Cooling



		Pipe Length (m)														
		5	10	15	20	25	30	35	40	45	50	55	60	65	70	75
Level Difference (m)	30	-	-	-	-	-	0.96	0.95	0.94	0.93	0.92	0.91	0.91	0.90	0.89	0.88
	25	-	-	-	-	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.91	0.90	0.89	0.88
	20	-	-	-	0.97	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.91	0.90	0.89	0.88
	15	-	-	0.98	0.97	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.91	0.90	0.89	0.88
	10	-	0.99	0.98	0.97	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.91	0.90	0.89	0.88
	5	1.00	0.99	0.98	0.97	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.91	0.90	0.89	0.88
	0	1.00	0.99	0.98	0.97	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.91	0.90	0.89	0.88
	-5	1.00	0.99	0.98	0.97	0.96	0.95	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.87
	-10	-	0.98	0.98	0.97	0.96	0.95	0.94	0.93	0.93	0.92	0.91	0.90	0.89	0.87	0.85
	-15	-	-	0.97	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.86	0.84
	-20	-	-	-	0.96	0.95	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.86	0.83
	-25	-	-	-	-	0.95	0.94	0.93	0.93	0.92	0.91	0.90	0.88	0.87	0.85	0.81
	-30	-	-	-	-	-	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.86	0.84	0.80

Heating



		Pipe Length (m)														
		5	10	15	20	25	30	35	40	45	50	55	60	65	70	75
Level Difference (m)	30	-	-	-	-	-	0.96	0.95	0.94	0.93	0.92	0.91	0.91	0.90	0.89	0.88
	25	-	-	-	-	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.91	0.90	0.89	0.88
	20	-	-	-	0.97	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.91	0.90	0.89	0.88
	15	-	-	0.98	0.97	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.91	0.90	0.89	0.88
	10	-	0.99	0.98	0.97	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.91	0.90	0.89	0.88
	5	1.00	0.99	0.98	0.97	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.91	0.90	0.89	0.88
	0	1.00	0.99	0.98	0.97	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.91	0.90	0.89	0.88
	-5	1.00	0.99	0.98	0.97	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.91	0.90	0.89	0.88
	-10	-	0.99	0.98	0.97	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.91	0.90	0.89	0.88
	-15	-	-	0.98	0.97	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.91	0.90	0.89	0.88
	-20	-	-	-	0.97	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.91	0.90	0.89	0.88
	-25	-	-	-	-	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.91	0.90	0.89	0.88
	-30	-	-	-	-	-	0.96	0.95	0.94	0.93	0.92	0.91	0.91	0.90	0.89	0.88

3 Duct S

- 3-1. Specifications
- 3-2. Capacity table
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- 3-4. Electrical wiring diagram - Indoor
- 3-5. Sound pressure level - Indoor
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- 3-11. Cycle diagram
- 3-12. Dimensional drawing - Outdoor
- 3-13. Capacity correction

3 Duct S

3-1) Specifications

Type				Duct S		Duct S		Duct S				
Model Name		Indoor Unit			AC035JNMCEH/EU		AC071JNMCEH/EU		AC100JNMCEH/EU			
		Outdoor Unit			AC035JXSCEH/EU		AC071JXSCEH/EU		AC100JXSCGH/EU			
System	Mode				Heat Pump		Heat Pump		Heat Pump			
	Capacity	Cooling(Min/Std/Max)			kW	0.90 / 3.50 / 4.20		3.00 / 7.10 / 8.50		3.50 / 10.00 / 12.00		
					Btu/h	3,100 / 11,900 / 14,300		10,200 / 24,200 / 29,000		11,900 / 34,100 / 40,900		
		Heating(Min/Std/Max)			kW	0.80 / 4.30 / 5.80		3.00 / 8.00 / 11.00		3.70 / 11.20 / 17.00		
					Btu/h	2,700 / 14,700 / 19,800		10,200 / 27,300 / 37,500		12,600 / 38,200 / 58,000		
	Power	Power Input (Nominal)	Cooling(Min/Std/Max)		kW	0.19 / 0.94 / 1.26		0.86 / 1.92 / 2.20		0.95 / 2.74 / 3.54		
			Heating(Min/Std/Max)			0.16 / 1.18 / 1.65		0.71 / 2.05 / 4.10		0.81 / 2.63 / 6.90		
		Current Input (Nominal)	Cooling(Min/Std/Max)		A	1.30 / 4.70 / 6.10 1.10 /		4.30 / 8.70 / 10.00 3.60 /		1.90 / 4.40 / 5.50		
			Heating(Min/Std/Max)			5.40 / 7.00		9.30 / 18.00		1.70 / 4.30 / 10.50		
		MCA				A	12.70		26.70		14.70	
		MFA				A	13.97		30.00		15.00	
	Energy Efficiency	EER (Nominal Cooling)			-	3.72		3.70		3.65		
		COP (Nominal Heating)			-	3.64		3.90		4.26		
		Energy Grade			-	SEER 6.5 (A++)		SEER 6.1 (A++)		SEER 6.7 (A++)		
					-	SCOP 4.4 (A+)		SCOP 4.0 (A+)		SCOP 4.1 (A+)		
	Piping Connections	Liquid Pipe			Ø, mm	6.35		9.52		9.52		
					Ø, inch	1/4"		3/8"		3/8"		
			Gas Pipe			Ø, mm	9.52		15.88		15.88	
						Ø, inch	3/8"		5/8"		5/8"	
		Installation Limitation	Max. Length	m	20		75		75			
			Max. Height	m	15		30		30			
	Field Wiring	Power Source Wire			Ø, mm	-		-		-		
		Transmission Cable			Ø, mm	0.75 ~ 1.25		0.75 ~ 1.25		0.75 ~ 1.25		
	Refrigerant	Type			-	R410A		R410A		R410A		
		Control Method			-	EEV		EEV		EEV		
		Factory Charging			kg / tCO2e	1.27 / 2.65		2.90 / 6.06		2.90 / 6.06		
	Indoor Unit	Power Supply			Ø, #, V, Hz	1,2,220-240,50		1,2,220-240,50		1,2,220-240,50		
		Fan	Type			-	Sirocco		Sirocco		Sirocco	
			Motor	Output	W	153 x 1		153 x 1		244 x 1		
					CMM	12.90 / 11.00 / 9.50		21.00 / 18.50 / 16.50		36.10 / 29.30 / 24.00		
Air Flow Rate			High/Mid/Low	l/s	215.00 / 183.33 / 158.33		350.00 / 308.33 / 275.00		601.67 / 488.33 / 400.00			
External Static Pressure			Min/Std/Max	mmAq	0.00 / 2.50 / 15.00		0.00 / 3.00 / 15.00		0.00 / 4.00 / 15.00			
		Pa		0.00 / 24.50 / 147.00		0.00 / 29.40 / 147.00		0.00 / 39.20 / 147.00				
Drain		Drain Pipe			Ø,mm	VP25 (OD 32,ID 25)		VP25 (OD 32,ID 25)		VP25 (OD 32,ID 25)		
Sound		Pressure	High/Mid/Low		dB(A)	31 / 28 / 25		33 / 29 / 25		37 / 33 / 28		
		Power	Cooling			56		56		61		
External Dimension		Net Weight			kg	25.00		32.00		36.00		
		Shipping Weight			kg	29.00		37.00		42.00		
		Net Dimensions (WxHxD)			mm	850 x 250 x 700		1,200 x 250 x 700		1,300 x 300 x 700		
		Shipping Dimensions (WxHxD)			mm	1,064 x 320 x 784		1,429 x 320 x 779		1,529 x 370 x 779		
Panel Size		Panel model			-	-		-		-		
		Panel Net Weight			kg	-		-		-		
		Shipping Weight			kg	-		-		-		
		Net Dimensions (WxHxD)			mm	-		-		-		
		Shipping Dimensions (WxHxD)			mm	-		-		-		
Additional Accessories		Drain pump	Drain pump		-	MDP-G075SP		MDP-G075SP		MDP-G075SP		
			Max. Lifting		mm/liter/h	-		-		-		
		Air Filter			-	-		-		-		
Outdoor Unit		Power Supply			Ø, #, V, Hz	1,2,220-240,50		1,2,220-240,50		3,4,380-415,50		
		Compressor	Type			-	BLDC Rotary		Twin BLDC Rotary		Twin BLDC Rotary	
			Model				-	DA128A1FA-20F		UG5T450FUEJX		UG5T450FXAJX
	Output				kW	0.96		4.12		4.01		
	Oil		Type			-	Ester oil VG74		PVE		PVE	
	Fan	Air Flow Rate	Cooling	CMM	33.00		112.00		112.00			
				l/s	550.00		1,866.67		1,866.67			
	Sound	Pressure	Cooling/Heating		dB(A)	47 / 48		49 / 49		50 / 50		
			Cooling			62		65		66		
	External Dimension	Net Weight			kg	35.00		96.00		96.00		
		Shipping Weight			kg	39.00		106.00		106.00		
		Net Dimensions (WxHxD)			mm	790 x 548 x 285		940 x 1,420 x 330		940 x 1,420 x 330		
		Shipping Dimensions (WxHxD)			mm	926 x 640 x 384		995 x 1,598 x 426		995 x 1,598 x 426		
	Operating Temp. Range	Cooling			°C	-20.0 ~ 50.0		-20.0 ~ 50.0		-20.0 ~ 50.0		
		Heating			°C	-25.0 ~ 24.0		-25.0 ~ 24.0		-25.0 ~ 24.0		

- All figures comply with EN14511

- Nominal cooling capacities are based on;

Indoor temperature : 27°C DB, 19°C WB / Outdoor temperature : 35°C DB, Refrigerant piping : 5m , Level differences : 0m

- Nominal heating capacities are based on;

Indoor temperature : 20°C DB, 15°C WB / Outdoor temperature : 7°C DB, 6°C WB, Refrigerant piping : 5m, Level differences : 0m

- Sound pressure level is acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.

- Specifications may be subject to change without prior notice.

- These products contain R410A(GWP=2,088) which is fluorinated greenhouse gas.

※ Heat Exchanger type : Indoor Unit - FME (Fin, Tube : Al)

Outdoor Unit - AC035JXSCEH : Fin & Tube (Fin : Al, Tube : Cu)

AC071/100JXSCEH : FMC (Fin, Tube : Al)

3 Duct S

3-1) Specifications

Type				Duct S		Duct S			
Model Name		Indoor Unit		AC100JNMCEH/EU		AC125JNMCEH/EU			
		Outdoor Unit		AC100JXSCEH/EU		AC125JXSCEH/EU			
System	Mode			Heat Pump		Heat Pump			
	Capacity	Cooling(Min/Std/Max)		kW	3.50 / 10.00 / 12.00		3.50 / 12.50 / 14.00		
				Btu/h	11,900 / 34,100 / 40,900		11,900 / 42,700 / 47,800		
		Heating(Min/Std/Max)		kW	3.70 / 11.20 / 17.00		3.70 / 14.00 / 19.00		
				Btu/h	12,600 / 38,200 / 58,000		12,600 / 47,800 / 64,800		
	Power	Power Input (Nominal)	Cooling(Min/Std/Max)	kW	0.95 / 2.74 / 3.54		0.95 / 3.79 / 4.60		
			Heating(Min/Std/Max)		0.81 / 2.47 / 6.90		0.81 / 3.58 / 7.20		
		Current Input (Nominal)	Cooling(Min/Std/Max)	A	4.20 / 12.00 / 15.60		1.40 / 6.00 / 7.00		
			Heating(Min/Std/Max)		4.30 / 11.80 / 30.00		1.70 / 5.60 / 11.00		
		MCA		A	34.70 (MCA)		14.70 (MCA)		
		MFA		A	40.00		15.00		
	Energy Efficiency	EER (Nominal Cooling)		-	3.65		3.30		
		COP (Nominal Heating)		-	4.53		3.91		
		Energy Grade		-	SEER 6.7 (A++)		-		
				-	SCOP 4.1 (A+)		-		
	Piping Connections	Liquid Pipe		Ø, mm	9.52		9.52		
				Ø, inch	3/8"		3/8"		
		Gas Pipe		Ø, mm	15.88		15.88		
				Ø, inch	5/8"		5/8"		
		Installation Limitation	Max. Length	m	75 (75)		75 (75)		
			Max. Height	m	30 (30)		30 (30)		
	Field Wiring	Power Source Wire		Ø, mm	-		-		
		Transmission Cable		Ø, mm	0.75 ~ 1.25		0.75 ~ 1.25		
	Refrigerant	Type		-	R410A		R410A		
		Control Method		-	EEV		EEV		
		Factory Charging		kg / tCO2e	2.90 / 6.06		2.90 / 6.06		
	Indoor Unit	Power Supply		Ø, #, V, Hz	1,2,220-240,50		1,2,220-240,50		
		Fan	Type		-	Sirocco		Sirocco	
			Motor	Output	W	244 x 1		244 x 1	
					CMM	36.10 / 29.30 / 24.00		38.60 / 33.00 / 26.20	
Air Flow Rate			High/Mid/Low	l/s	601.67 / 488.33 / 400.00		643.33 / 550.00 / 436.67		
External Static Pressure			Min/Std/Max	mmAq	0.00 / 4.00 / 15.00		0.00 / 5.20 / 15.00		
		Pa		0.00 / 39.20 / 147.00		0.00 / 50.96 / 147.00			
Drain		Drain Pipe		Ø,mm	VP25 (OD 32,ID 25)		VP25 (OD 32,ID 25)		
Sound		Pressure	High/Mid/Low	dB(A)	37 / 33 / 28		39 / 35 / 31		
		Power	Cooling		61		63		
External Dimension		Net Weight		kg	36.00		36.00		
		Shipping Weight		kg	42.00		42.00		
		Net Dimensions (WxHxD)		mm	1,300 x 300 x 700		1,300 x 300 x 700		
		Shipping Dimensions (WxHxD)		mm	1,529 x 370 x 779		1,529 x 370 x 779		
Panel Size		Panel model		-	-		-		
		Panel Net Weight		kg	-		-		
		Shipping Weight		kg	-		-		
		Net Dimensions (WxHxD)		mm	-		-		
		Shipping Dimensions (WxHxD)		mm	-		-		
Additional Accessories		Drain pump	Drain pump	-	MDP-G075SP		MDP-G075SP		
			Max. Lifting	mm/liter/h	-		-		
		Air Filter		-	-		-		
Outdoor Unit		Power Supply		Ø, #, V, Hz	1,2,220-240,50		3,4,380-415,50		
	Compressor	Type		-	Twin BLDC Rotary		Twin BLDC Rotary		
		Model		-	UG5T450FXAJX		UG5T450FXAJX		
		Output		kW	4.01		4.01		
		Oil	Type	-	PVE		PVE		
	Fan	Air Flow Rate	Cooling	CMM	112.00		112.00		
				l/s	1,866.67		1,866.67		
	Sound	Pressure	Cooling/Heating	dB(A)	50 / 50		52 / 52		
		Power	Cooling		66		69		
	External Dimension	Net Weight		kg	96.00		96.00		
		Shipping Weight		kg	106.00		106.00		
		Net Dimensions (WxHxD)		mm	940 x 1,420 x 330		940 x 1,420 x 330		
		Shipping Dimensions (WxHxD)		mm	995 x 1,598 x 426		995 x 1,598 x 426		
	Operating Temp. Range	Cooling		°C	-20.0 ~ 50.0		-20.0 ~ 50.0		
		Heating		°C	-25.0 ~ 24.0		-25.0 ~ 24.0		

- All figures comply with EN14511

- Nominal cooling capacities are based on;

Indoor temperature : 27°C DB, 19°C WB / Outdoor temperature : 35°C DB, Refrigerant piping : 5m , Level differences : 0m

- Nominal heating capacities are based on;

Indoor temperature : 20°C DB, 15°C WB / Outdoor temperature : 7°C DB, 6°C WB, Refrigerant piping : 5m, Level differences : 0m

- Sound pressure level is acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.

- Specifications may be subject to change without prior notice.

- These products contain R410A(GWP=2,088) which is fluorinated greenhouse gas.

※ Heat Exchanger type : Indoor Unit - FME (Fin, Tube : Al)

Outdoor Unit - AC100/125JXSCEH : FMC (Fin, Tube : Al)

3 Duct S

3-2) Capacity table

AC035JNMCEH/EU + AC035JXSCEH/EU

Cooling

TC(Total Capacity), SHC(Sensible Heat Capacity), PI(Power Input)

Outdoor Temperature (°C, DB)	Indoor Temperature (°C, DB / WB)																				
	20 / 14			22 / 16			25 / 18			27 / 19			28 / 20			30 / 22			32 / 24		
	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
-20	2.8	2.2	0.77	3.0	2.3	0.79	3.1	2.3	0.80	3.2	2.4	0.82	3.3	2.4	0.83	3.4	2.4	0.84	3.6	2.3	0.85
21	3.6	2.7	0.71	3.8	2.8	0.72	4.0	2.9	0.74	4.1	3.0	0.75	4.2	2.9	0.76	4.4	2.9	0.77	4.6	2.8	0.78
35	3.1	2.5	0.88	3.3	2.5	0.90	3.4	2.6	0.92	3.5	2.7	0.94	3.6	2.7	0.95	3.7	2.6	0.96	3.9	2.6	0.98
46	2.8	2.5	1.27	3.0	2.5	1.30	3.1	2.6	1.32	3.2	2.7	1.35	3.3	2.7	1.36	3.4	2.6	1.38	3.6	2.6	1.40
50	2.4	2.1	1.17	2.5	2.2	1.19	2.6	2.2	1.21	2.7	2.3	1.24	2.8	2.3	1.25	2.9	2.2	1.26	3.0	2.2	1.29

Heating

TC : Total Capacity, PI: Power Input

Outdoor Air Temp. (DB)	Indoor temperature (°C)											
	16.0 (DB)		18.0 (DB)		20.0 (DB)		21.0 (DB)		22.0 (DB)		24.0 (DB)	
	TC(kW)	PI(kW)	TC(kW)	PI(kW)	TC(kW)	PI(kW)	TC(kW)	PI(kW)	TC(kW)	PI(kW)	TC(kW)	PI(kW)
-25.0	2.40	1.22	2.40	1.21	2.40	1.19	2.40	1.18	2.30	1.17	2.30	1.16
-20.0	3.40	1.64	3.40	1.63	3.40	1.61	3.30	1.59	3.30	1.58	3.30	1.56
-10.0	4.30	1.91	4.30	1.89	4.20	1.88	4.20	1.86	4.10	1.84	4.10	1.82
0.0	5.00	1.97	5.00	1.95	4.90	1.93	4.90	1.91	4.80	1.89	4.80	1.87
7.0	4.40	1.20	4.30	1.19	4.30	1.18	4.30	1.17	4.20	1.16	4.20	1.14
24.0	4.80	1.27	4.80	1.25	4.70	1.24	4.70	1.23	4.60	1.22	4.60	1.20

AC071JNMCEH/EU + AC071JXSCEH/EU

Cooling

TC(Total Capacity), SHC(Sensible Heat Capacity), PI(Power Input)

Outdoor Temperature (°C, DB)	Indoor Temperature (°C, DB / WB)																				
	20 / 14			22 / 16			25 / 18			27 / 19			28 / 20			30 / 22			32 / 24		
	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
-20	7.9	5.7	2.45	8.3	5.8	2.50	8.7	6.0	2.55	8.9	6.2	2.60	9.1	6.1	2.63	9.6	6.1	2.65	10.0	6.0	2.71
21	8.7	6.0	1.83	9.2	6.2	1.86	9.6	6.4	1.90	9.9	6.6	1.94	10.1	6.6	1.96	10.6	6.5	1.98	11.1	6.4	2.02
35	6.3	5.0	1.69	6.6	5.1	1.73	6.9	5.3	1.76	7.1	5.5	1.80	7.2	5.4	1.82	7.6	5.4	1.84	8.0	5.3	1.87
46	5.8	4.7	3.11	6.1	4.8	3.17	6.3	4.9	3.23	6.5	5.1	3.30	6.7	5.0	3.33	7.0	5.0	3.37	7.4	4.9	3.43
50	4.4	4.2	3.03	4.6	4.3	3.09	4.8	4.4	3.16	5.0	4.6	3.22	5.1	4.5	3.25	5.3	4.5	3.28	5.6	4.4	3.35

Heating

TC : Total Capacity PI: Power Input

Outdoor Air Temp. (DB)	Indoor temperature (°C)											
	16.0 (DB)		18.0 (DB)		20.0 (DB)		21.0 (DB)		22.0 (DB)		24.0 (DB)	
	TC(kW)	PI(kW)	TC(kW)	PI(kW)	TC(kW)	PI(kW)	TC(kW)	PI(kW)	TC(kW)	PI(kW)	TC(kW)	PI(kW)
-25.0	8.10	4.93	8.00	4.88	7.90	4.83	7.80	4.78	7.80	4.73	7.70	4.69
-20.0	8.40	4.92	8.30	4.87	8.20	4.82	8.10	4.77	8.10	4.72	8.00	4.68
-10.0	9.40	4.93	9.30	4.88	9.20	4.83	9.10	4.79	9.00	4.74	8.90	4.69
0.0	10.80	4.94	10.70	4.89	10.60	4.85	10.50	4.80	10.40	4.75	10.30	4.70
7.0	8.20	2.09	8.10	2.07	8.00	2.05	7.90	2.03	7.80	2.01	7.80	1.99
24.0	12.30	3.37	12.20	3.34	12.00	3.31	11.90	3.27	11.80	3.24	11.70	3.21

* Capacity table may be subject to change without prior notice.

1) Capacities are based on following conditions;

. Heating mode outdoor air : 85%RH. However, the condition rated capacity is 7°C DB / 6°C WB.

. Refrigerant piping length : 5m

. Level difference : 0m.

3 Duct S

3-2) Capacity table

AC100JNMCEH/EU + AC100JXSCGH/EU

Cooling

TC(Total Capacity), SHC(Sensible Heat Capacity), PI(Power Input)

Outdoor Temperature (°C, DB)	Indoor Temperature (°C, DB / WB)																				
	20 / 14			22 / 16			25 / 18			27 / 19			28 / 20			30 / 22			32 / 24		
	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
-20	9.7	7.8	1.96	10.2	8.1	2.00	10.7	8.3	2.04	11.0	8.6	2.08	11.2	8.5	2.10	11.8	8.4	2.12	12.4	8.2	2.17
21	11.0	8.6	2.06	11.5	8.9	2.11	12.0	9.1	2.15	12.4	9.4	2.19	12.6	9.3	2.21	13.3	9.2	2.24	13.9	9.1	2.28
35	8.8	7.3	2.58	9.3	7.5	2.63	9.7	7.8	2.69	10.0	8.0	2.74	10.2	7.9	2.77	10.7	7.8	2.79	11.2	7.7	2.85
46	7.0	6.7	3.39	7.4	6.9	3.46	7.7	7.1	3.53	7.9	7.3	3.60	8.1	7.3	3.64	8.5	7.2	3.67	8.9	7.0	3.75
50	6.2	6.1	3.11	6.5	6.3	3.17	6.8	6.5	3.23	7.0	6.7	3.30	7.1	6.7	3.33	7.5	6.6	3.37	7.9	6.5	3.43

Heating

TC : Total Capacity, PI: Power Input

Outdoor Air Temp. (DB)	Indoor temperature (°C)											
	16.0 (DB)		18.0 (DB)		20.0 (DB)		21.0 (DB)		22.0 (DB)		24.0 (DB)	
	TC(kW)	PI(kW)	TC(kW)	PI(kW)	TC(kW)	PI(kW)	TC(kW)	PI(kW)	TC(kW)	PI(kW)	TC(kW)	PI(kW)
-25.0	10.00	5.00	9.90	4.95	9.80	4.90	9.70	4.85	9.60	4.80	9.50	4.75
-20.0	11.90	5.63	11.80	5.58	11.70	5.52	11.60	5.46	11.50	5.41	11.40	5.36
-10.0	14.90	6.56	14.70	6.49	14.60	6.43	14.50	6.37	14.30	6.30	14.20	6.24
0.0	17.20	6.75	17.10	6.69	16.90	6.62	16.70	6.55	16.60	6.49	16.40	6.42
7.0	11.40	2.68	11.30	2.66	11.20	2.63	11.10	2.60	11.00	2.58	10.90	2.55
24.0	16.50	3.53	16.40	3.50	16.20	3.46	16.00	3.43	15.90	3.39	15.70	3.36

AC100JNMCEH/EU + AC100JXSCEH/EU

Cooling

TC(Total Capacity), SHC(Sensible Heat Capacity), PI(Power Input)

Outdoor Temperature (°C, DB)	Indoor Temperature (°C, DB / WB)																				
	20 / 14			22 / 16			25 / 18			27 / 19			28 / 20			30 / 22			32 / 24		
	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
-20	9.7	7.8	1.96	10.2	8.1	2.00	10.7	8.3	2.04	11.0	8.6	2.08	11.2	8.5	2.10	11.8	8.4	2.12	12.4	8.2	2.17
21	11.0	8.6	2.06	11.5	8.9	2.11	12.0	9.1	2.15	12.4	9.4	2.19	12.6	9.3	2.21	13.3	9.2	2.24	13.9	9.1	2.28
35	8.8	7.3	2.58	9.3	7.5	2.63	9.7	7.8	2.69	10.0	8.0	2.74	10.2	7.9	2.77	10.7	7.8	2.79	11.2	7.7	2.85
46	7.0	6.7	3.39	7.4	6.9	3.46	7.7	7.1	3.53	7.9	7.3	3.60	8.1	7.3	3.64	8.5	7.2	3.67	8.9	7.0	3.75
50	6.2	6.1	3.11	6.5	6.3	3.17	6.8	6.5	3.23	7.0	6.7	3.30	7.1	6.7	3.33	7.5	6.6	3.37	7.9	6.5	3.43

Heating

TC : Total Capacity PI: Power Input

Outdoor Air Temp. (DB)	Indoor temperature (°C)											
	16.0 (DB)		18.0 (DB)		20.0 (DB)		21.0 (DB)		22.0 (DB)		24.0 (DB)	
	TC(kW)	PI(kW)	TC(kW)	PI(kW)	TC(kW)	PI(kW)	TC(kW)	PI(kW)	TC(kW)	PI(kW)	TC(kW)	PI(kW)
-25.0	10.00	4.99	9.90	4.94	9.80	4.90	9.70	4.85	9.60	4.80	9.50	4.75
-20.0	11.90	5.63	11.80	5.58	11.70	5.52	11.60	5.47	11.40	5.41	11.30	5.36
-10.0	14.90	6.56	14.70	6.50	14.60	6.43	14.50	6.37	14.30	6.30	14.20	6.24
0.0	17.30	6.76	17.10	6.69	16.90	6.62	16.80	6.56	16.60	6.49	16.40	6.43
7.0	11.40	2.52	11.30	2.49	11.20	2.47	11.10	2.45	11.00	2.42	10.90	2.40
24.0	16.50	3.53	16.40	3.49	16.20	3.46	16.00	3.43	15.90	3.39	15.70	3.36

* Capacity table may be subject to change without prior notice.

1) Capacities are based on following conditions;

- . Heating mode outdoor air : 85%RH. However, the condition rated capacity is 7°C DB / 6°C WB.
- . Refrigerant piping length : 5m
- . Level difference : 0m.

3 Duct S

3-2) Capacity table

AC125JNMCEH/EU + AC125JXSCGH/EU

Cooling

TC(Total Capacity), SHC(Sensible Heat Capacity), PI(Power Input)

Outdoor Temperature (°C, DB)	Indoor Temperature (°C, DB / WB)																				
	20 / 14			22 / 16			25 / 18			27 / 19			28 / 20			30 / 22			32 / 24		
	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
-20	12.6	10.1	2.78	13.2	10.4	2.84	13.8	10.7	2.90	14.2	11.1	2.96	14.5	11.0	2.99	15.2	10.9	3.02	16.0	10.6	3.08
21	13.7	10.8	2.93	14.4	11.1	2.99	15.0	11.4	3.05	15.5	11.8	3.11	15.8	11.7	3.14	16.6	11.5	3.17	17.4	11.3	3.24
35	11.1	8.3	3.66	11.6	8.6	3.74	12.1	8.9	3.81	12.5	9.1	3.89	12.8	9.0	3.93	13.4	8.9	3.97	14.1	8.8	4.05
46	8.8	8.1	4.21	9.2	8.4	4.29	9.6	8.6	4.38	9.9	8.9	4.47	10.1	8.8	4.51	10.6	8.7	4.56	11.1	8.5	4.65
50	7.2	6.9	3.84	7.5	7.2	3.92	7.9	7.4	4.00	8.1	7.6	4.08	8.3	7.5	4.12	8.7	7.5	4.16	9.1	7.3	4.24

Heating

TC : Total Capacity, PI: Power Input

Outdoor Air Temp. (DB)	Indoor temperature (°C)											
	16.0 (DB)		18.0 (DB)		20.0 (DB)		21.0 (DB)		22.0 (DB)		24.0 (DB)	
	TC(kW)	PI(kW)	TC(kW)	PI(kW)	TC(kW)	PI(kW)	TC(kW)	PI(kW)	TC(kW)	PI(kW)	TC(kW)	PI(kW)
-25.0	10.10	4.84	10.00	4.79	9.90	4.75	9.80	4.70	9.70	4.65	9.60	4.61
-20.0	13.20	6.29	13.00	6.23	12.90	6.17	12.80	6.10	12.60	6.04	12.50	5.98
-10.0	16.40	7.30	16.20	7.23	16.00	7.16	15.90	7.09	15.70	7.02	15.60	6.95
0.0	19.00	7.52	18.80	7.44	18.60	7.37	18.40	7.30	18.20	7.22	18.10	7.15
7.0	14.30	3.65	14.10	3.62	14.00	3.58	13.90	3.54	13.70	3.51	13.60	3.47
24.0	18.20	4.84	18.00	4.79	17.80	4.75	17.60	4.70	17.50	4.65	17.30	4.61

* Capacity table may be subject to change without prior notice.

1) Capacities are based on following conditions;

. Heating mode outdoor air : 85%RH. However, the condition rated capacity is 7°C DB / 6°C WB.

. Refrigerant piping length : 5m

. Level difference : 0m.

3 Duct S

3-3) Dimensional drawing - Indoor

AC035JNMCEH/EU

Units : mm / inches

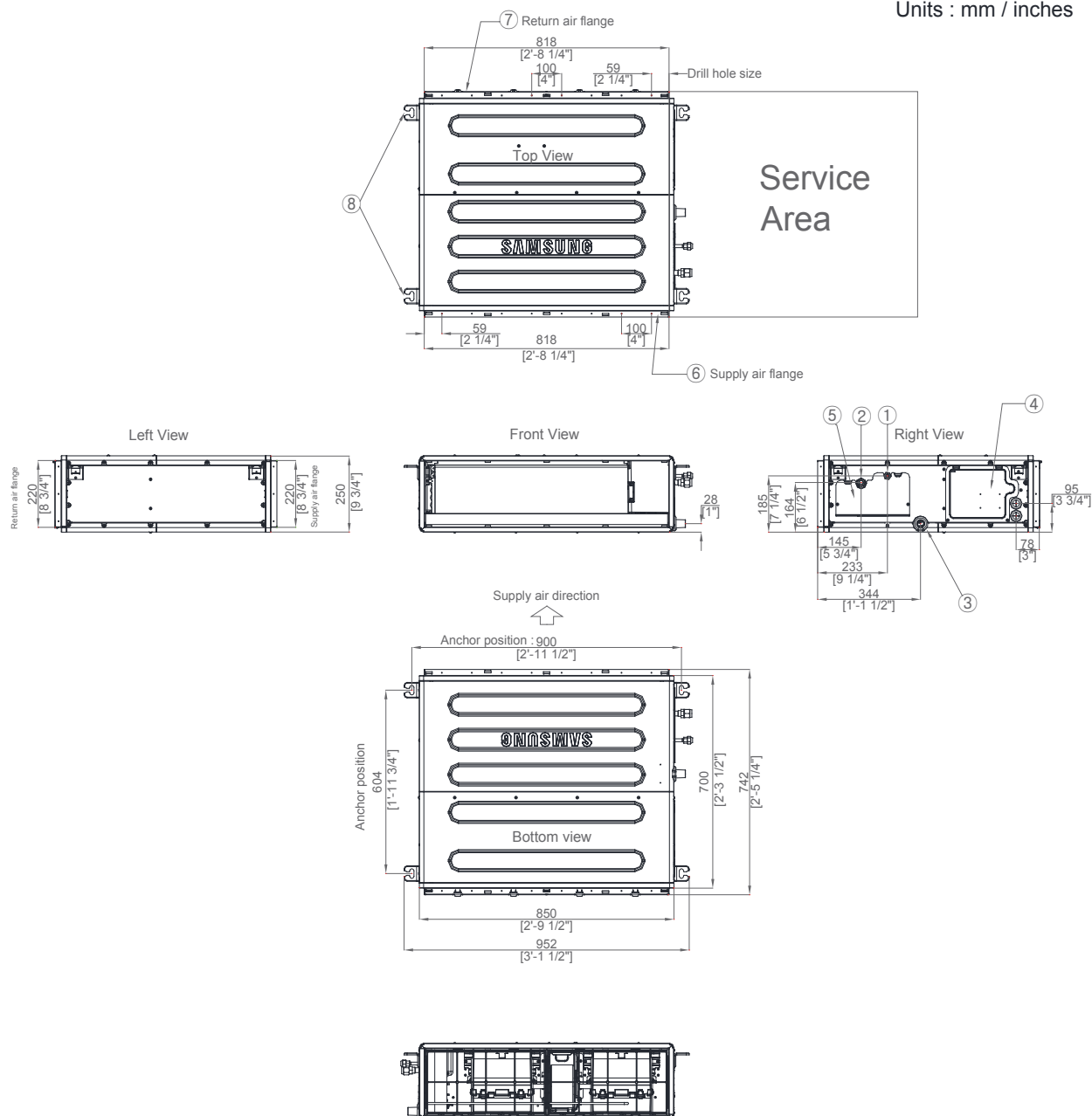


Table of descriptions

1	Refrigerant liquid pipe	7	Return air flange
2	Refrigerant gas pipe	8	Hook
3	Condensate drain	9	
4	Power & Comm. wiring conduits	10	
5	Refrigerant pipe conduits	11	
6	Supply air flange	12	

3 Duct S

3-3) Dimensional drawing - Indoor

AC071JNMCEH/EU

Units : mm / inches

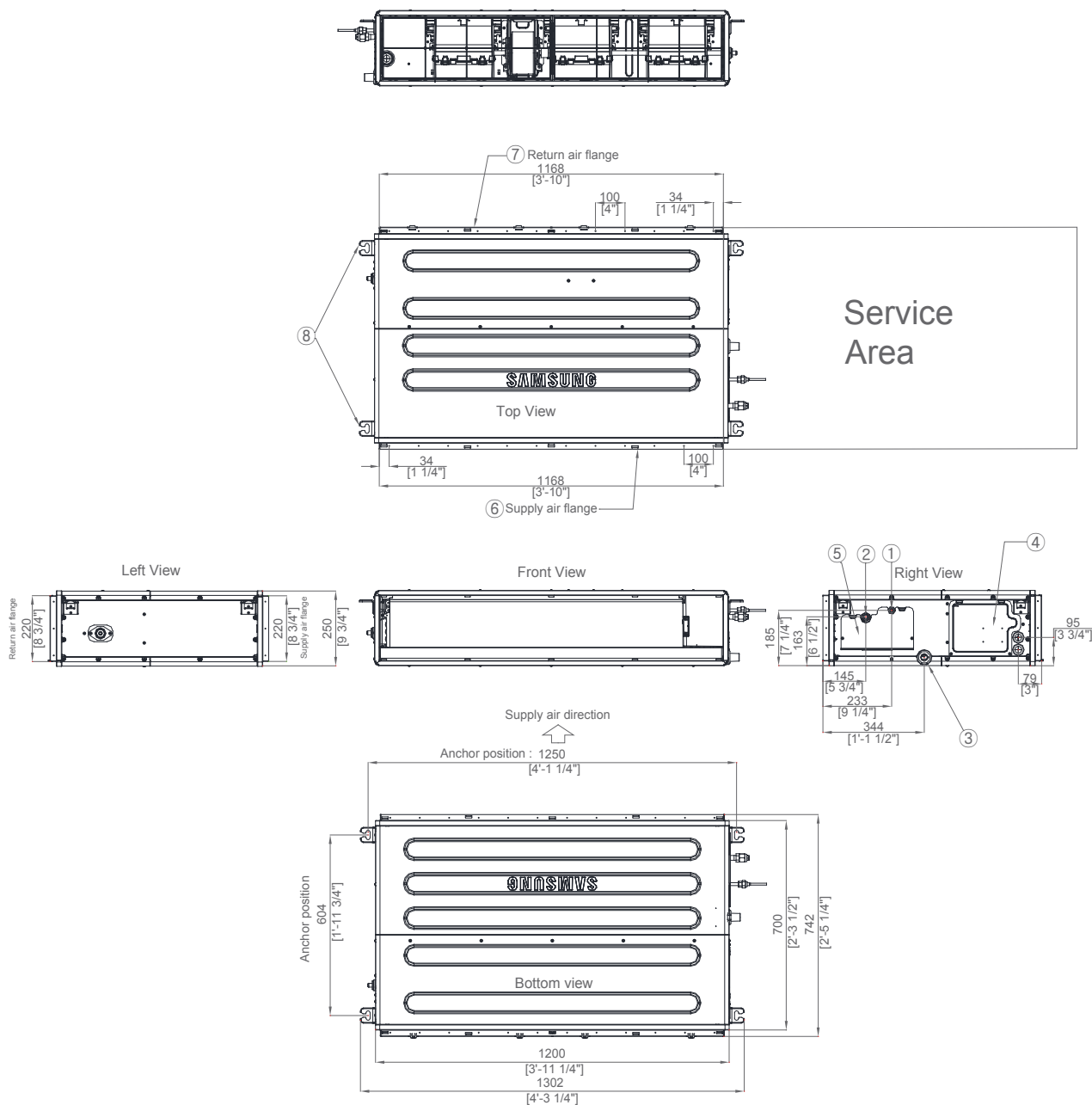


Table of descriptions

1	Refrigerant liquid pipe	7	Return air flange
2	Refrigerant gas pipe	8	Hook
3	Condensate drain	9	
4	Power & Comm. wiring conduits	10	
5	Refrigerant pipe conduits	11	
6	Supply air flange	12	

3 Duct S

3-3) Dimensional drawing - Indoor

AC100JNMCEH/EU, AC125JNMCEH/EU

Units : mm / inches

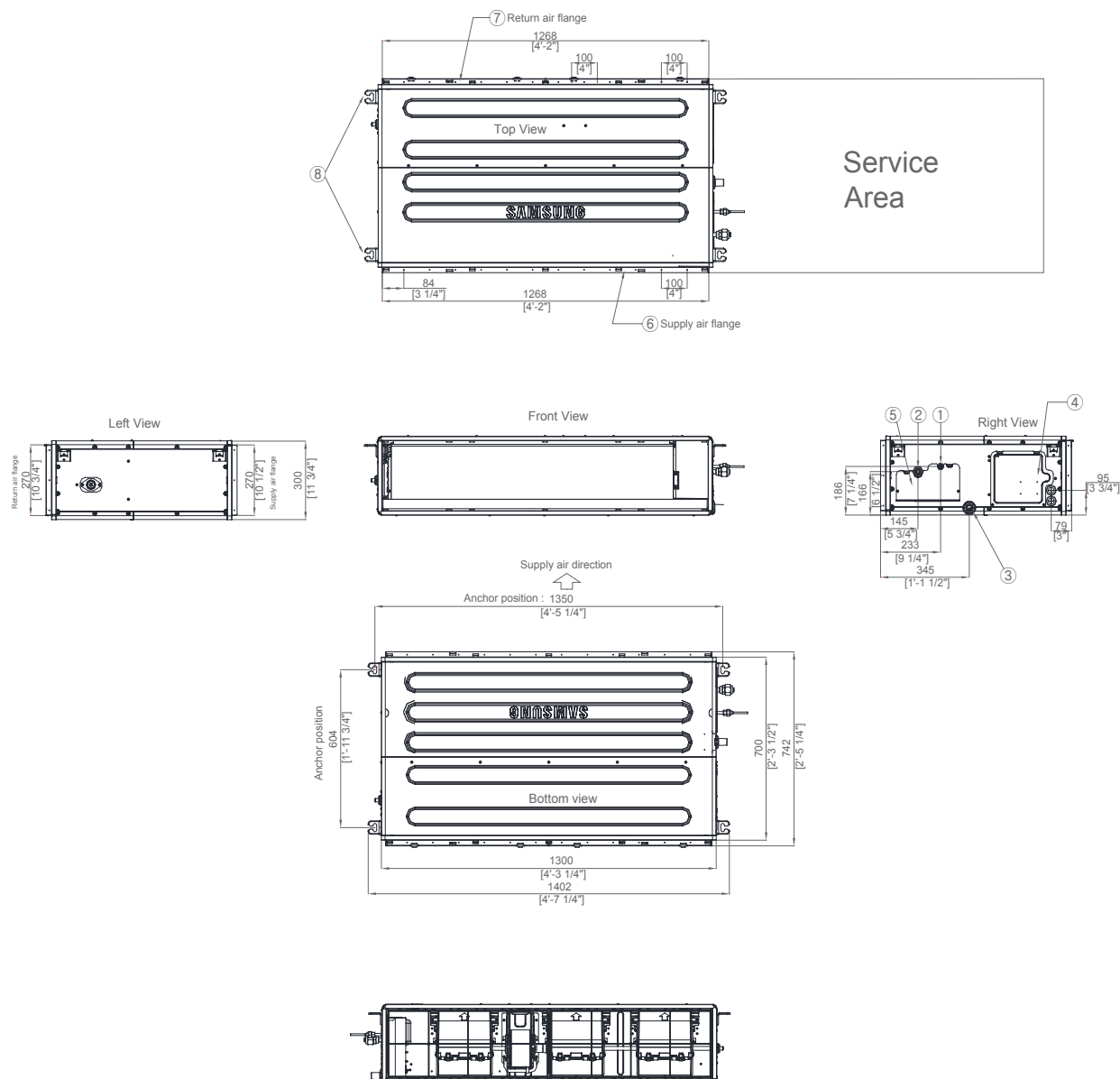


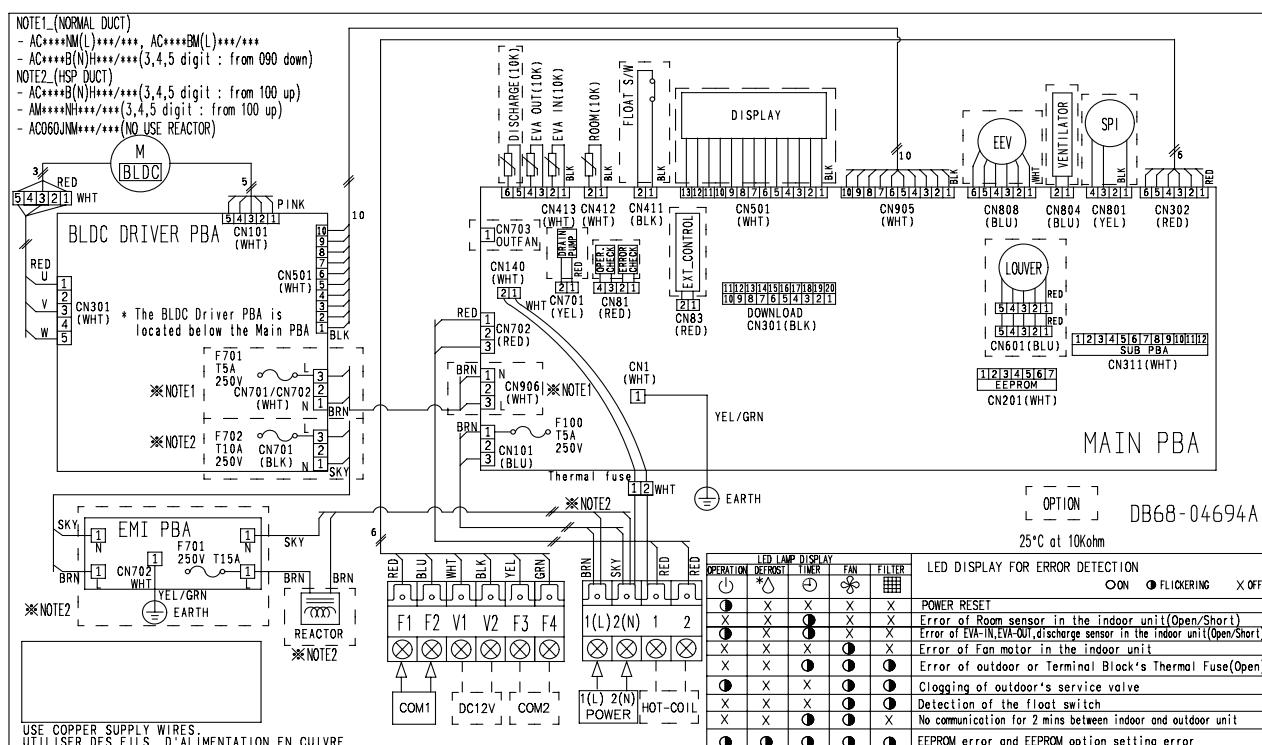
Table of descriptions

1	Refrigerant liquid pipe	7	Return air flange
2	Refrigerant gas pipe	8	Hook
3	Condensate drain	9	
4	Power & Comm. wiring conduits	10	
5	Refrigerant pipe conduits	11	
6	Supply air flange	12	

3 Duct S

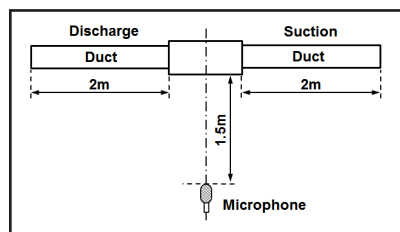
3-4) Electrical wiring diagram - Indoor

AC035JNMCEH/EU, AC071JNMCEH/EU, AC100JNMCEH/EU, AC125JNMCEH/EU



3 Duct S

3-5) Sound pressure level

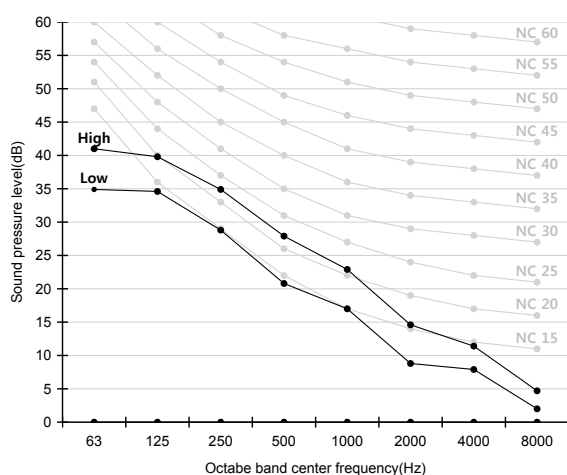


Unit: dB(A)

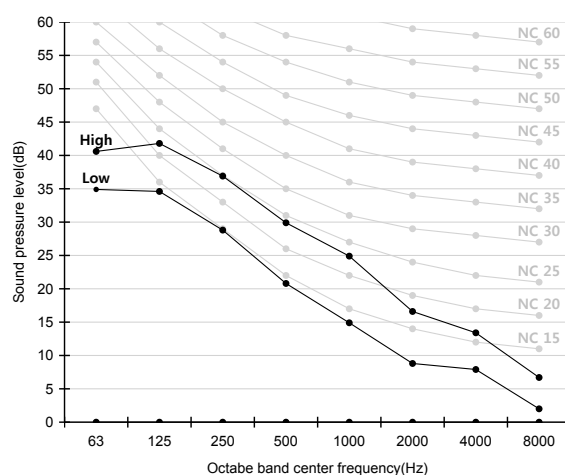
Model	High	Low
AC035JNMCEH/EU (ODU : AC035JXSCEH/EU)	31	25
AC071JNMCEH/EU (ODU : AC071JXSCEH/EU)	33	25
AC100JNMCEH/EU (ODU : AC100JXSCEH/EU)	37	28
AC100JNMCEH/EU (ODU : AC100JXSCEH/EU)	37	28

NC curve

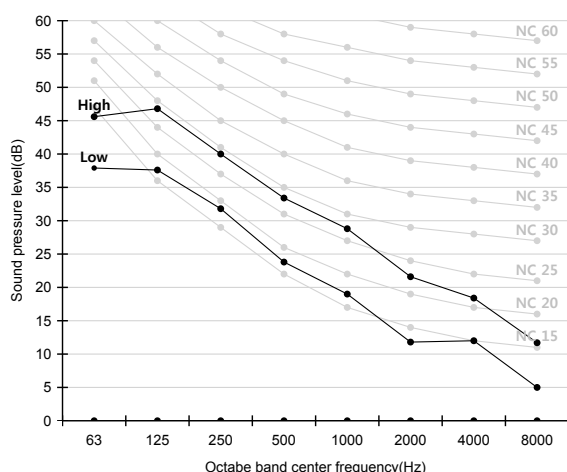
1) AC035JNMCEH/EU (ODU : AC035JXSCEH/EU)



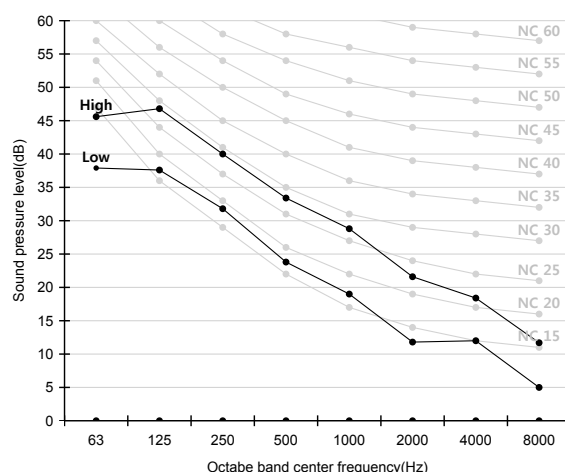
2) AC071JNMCEH/EU (ODU : AC071JXSCEH/EU)



3) AC100JNMCEH/EU (ODU : AC100JXSCEH/EU)



4) AC100JNMCEH/EU (ODU : AC100JXSCEH/EU)

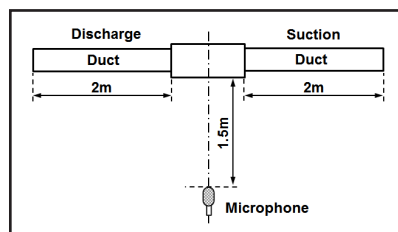


NOTE

- Specifications may be subject to change without prior notice.
- Sound pressure level is obtained in an anechoic room.
- Sound pressure level is a relative value, depending on the distance and acoustic environment.
- Sound pressure level may differ depending on operation condition.
- dBA = A-weighted sound pressure level
- Reference acoustic pressure 0 dB = 20μPa

3 Duct S

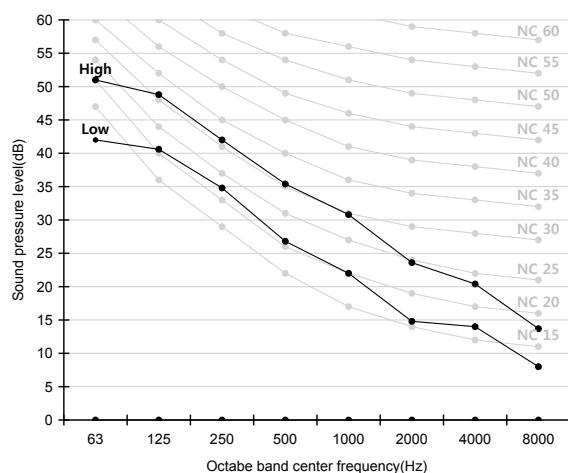
3-5) Sound pressure level



Unit: dB(A)		
Model	High	Low
AC125JNMCEH/EU (ODU : AC125JXSCGH/EU)	39	31

NC curve

1) AC125JNMCEH/EU (ODU : AC125JXSCGH/EU)



NOTE

- Specifications may be subject to change without prior notice.
- Sound pressure level is obtained in an anechoic room.
- Sound pressure level is a relative value, depending on the distance and acoustic environment.
- Sound pressure level may differ depending on operation condition.
- dBA = A-weighted sound pressure level
- Reference acoustic pressure 0 dB = 20μPa

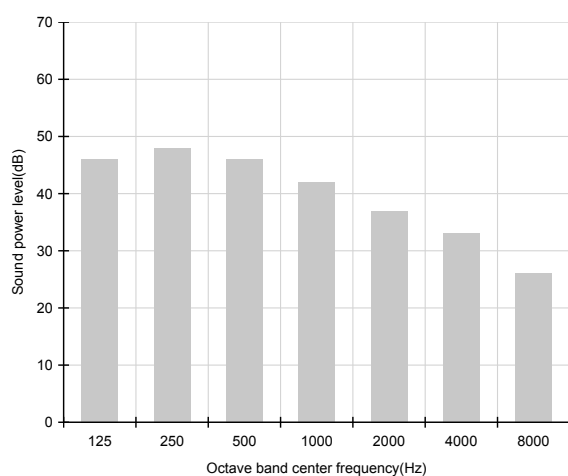
3 Duct S

3-6) Sound power level

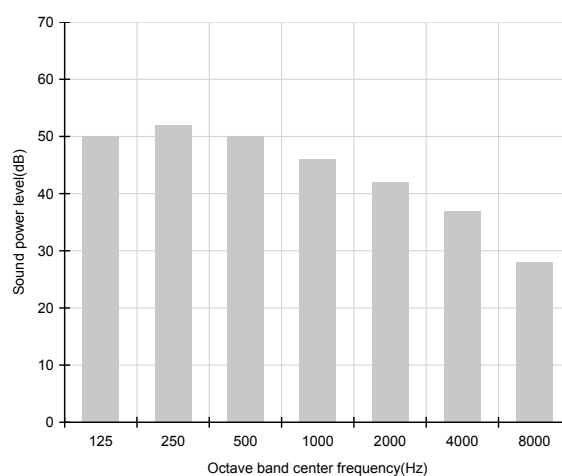
Unit: dB(A)

Model	Power
AC035JNMCEH/EU (ODU : AC035JXSCEH/EU)	56
AC071JNMCEH/EU (ODU : AC071JXSCEH/EU)	56
AC100JNMCEH/EU (ODU : AC100JXSCGH/EU)	61
AC100JNMCEH/EU (ODU : AC100JXSCEH/EU)	61

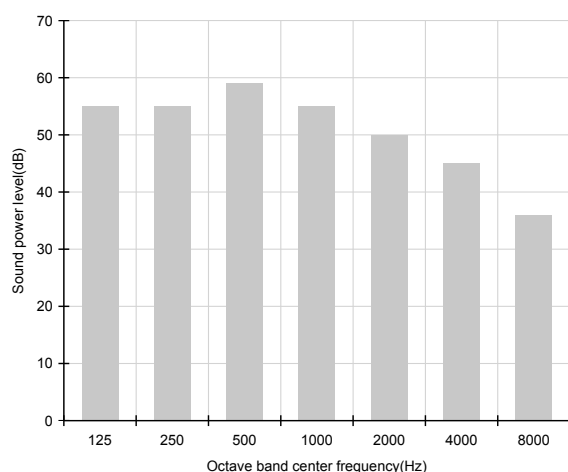
1) AC035JNMCEH/EU (ODU : AC035JXSCEH/EU)



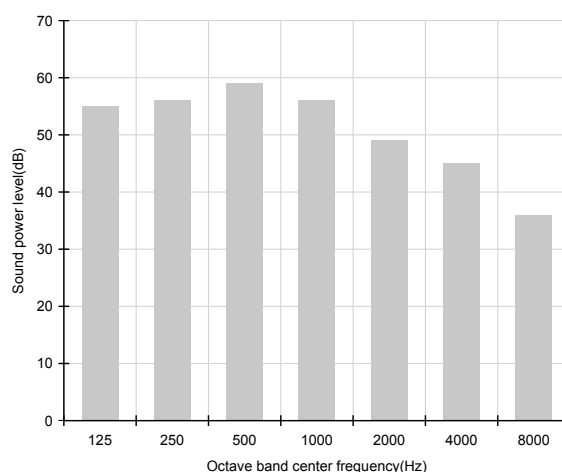
2) AC071JNMCEH/EU (ODU : AC071JXSCEH/EU)



3) AC100JNMCEH/EU (ODU : AC100JXSCGH/EU)



4) AC100JNMCEH/EU (ODU : AC100JXSCEH/EU)



NOTE

- Specifications may be subject to change without prior notice.
- Sound power level is an absolute value that a sound source generates.
- dBA = A-weighted sound power level.
- Reference power : 1pW.
- Measured according to ISO 3741.

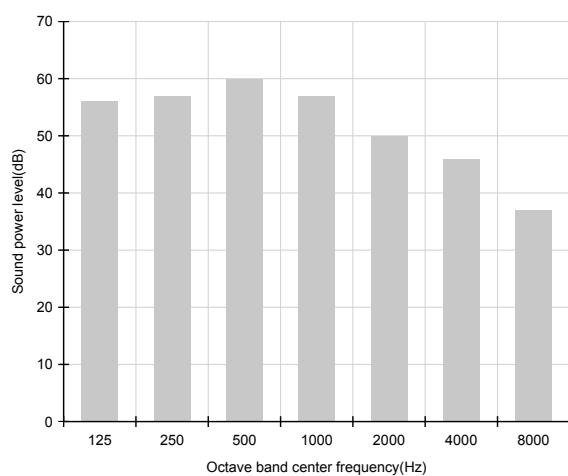
3 Duct S

3-6) Sound power level

Unit: dB(A)

Model	Power
AC125JNMCEH/EU (ODU : AC125JXSCGH/EU)	63

1) AC125JNMCEH/EU (ODU : AC125JXSCGH/EU)



NOTE

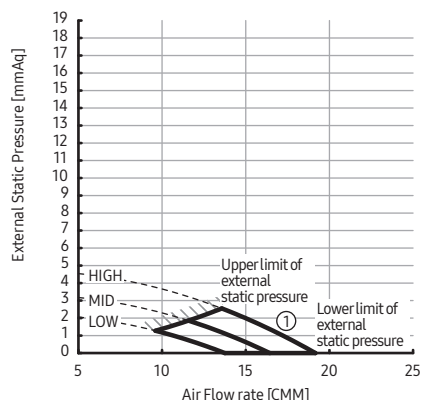
- Specifications may be subject to change without prior notice.
- Sound power level is an absolute value that a sound source generates.
- dBA = A-weighted sound power level.
- Reference power : 1pW.
- Measured according to ISO 3741.

3 Duct S

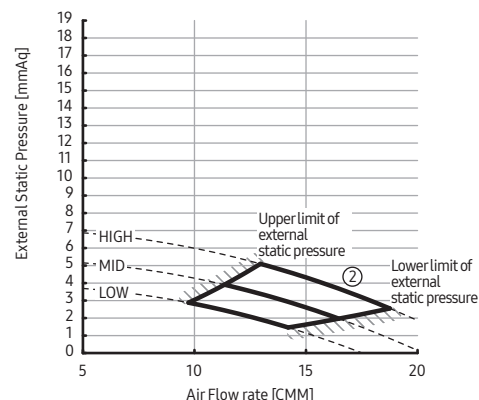
3-7) Recommended operation range

1) AC035JNMCEH/EU (ODU : AC035JXSCEH/EU)

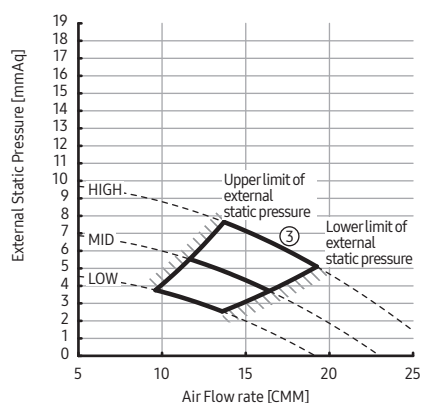
①	External Static Pressure(mmAq)	Option Code
	0 ≤ SP ≤ 2.5 (Default)	01B26C-1C5081-27232B-371000



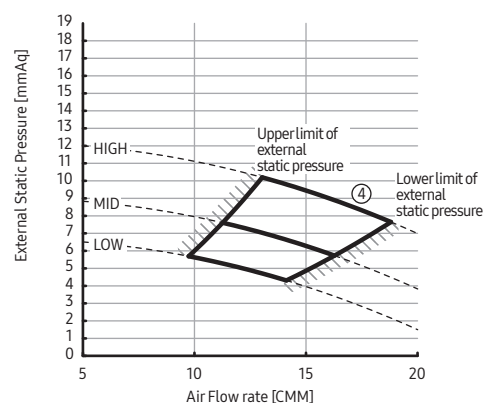
②	External Static Pressure(mmAq)	Option Code
	2.5 < SP ≤ 5	01B26C-1C50E6-27232B-371000



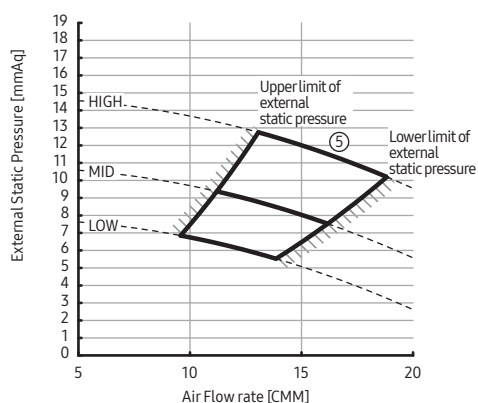
③	External Static Pressure(mmAq)	Option Code
	5 < SP ≤ 7.5	01B26C-1C545B-27232B-371000



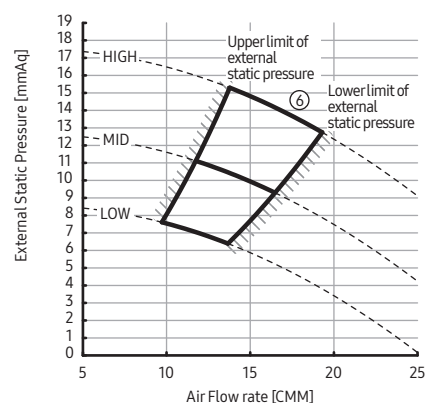
④	External Static Pressure(mmAq)	Option Code
	7.5 < SP ≤ 10	01B26C-1C54CF-27232B-371000



⑤	External Static Pressure(mmAq)	Option Code
	10 < SP ≤ 12.5	01B26C-1C5933-27232B-371000



⑥	External Static Pressure(mmAq)	Option Code
	12.5 < SP ≤ 15	01B26C-1C5987-27232B-371000



Note

Adjust option code according to the actual installation condition (external static pressure).

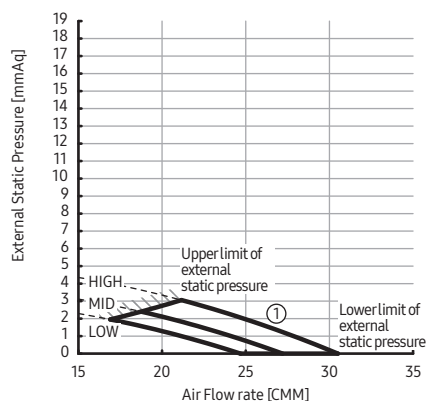
The graphs display the available external static pressure range of installed indoor units. Therefore, they do not reflect the actual change of external static pressure and airflow rate according to adjusted airflow (High-Mid-Low) of installed indoor units.

3 Duct S

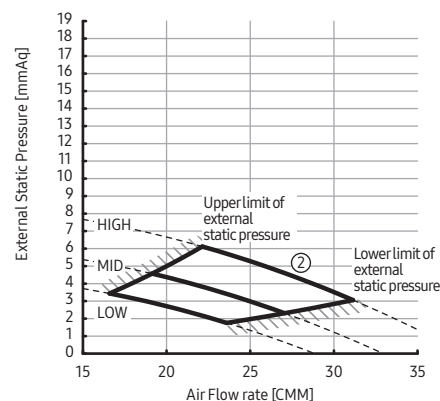
3-7) Recommended operation range

2) AC071JNMCEH/EU (ODU : AC071JXSCEH/EU)

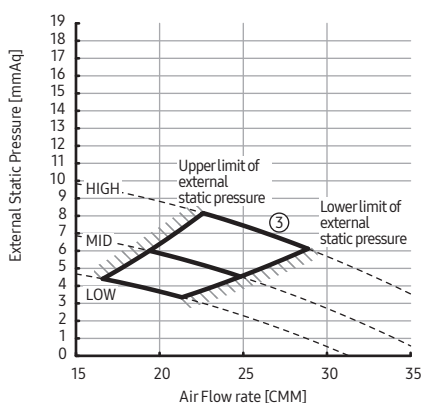
①	External Static Pressure [mmAq]	Option Code
	0 ≤ SP ≤ 3 (Default)	01B26C-1C50D5-274750-372020



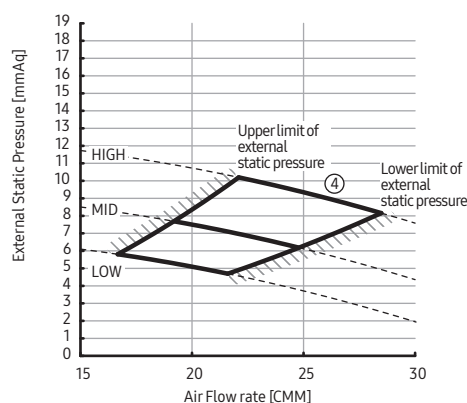
②	External Static Pressure [mmAq]	Option Code
	3 < SP ≤ 6	01B26C-1C5459-274750-372020



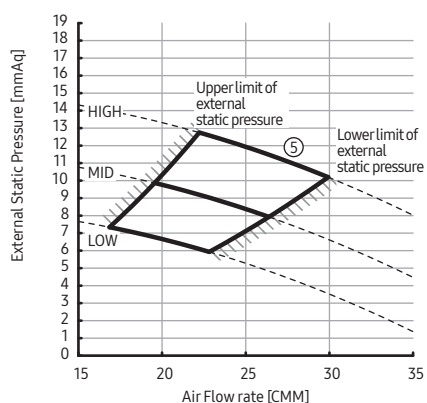
③	External Static Pressure [mmAq]	Option Code
	6 < P ≤ 8	01B26C-1C54BC-274750-372020



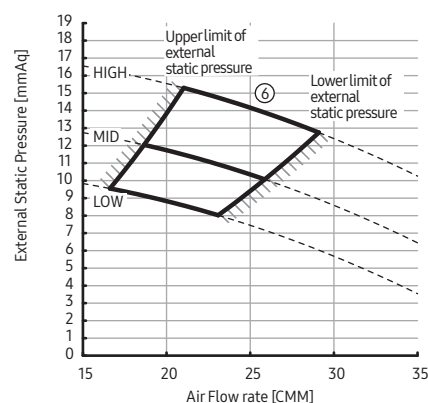
④	External Static Pressure [mmAq]	Option Code
	8 < P ≤ 10	01B26C-1C54FE-274750-372020



⑤	External Static Pressure [mmAq]	Option Code
	10 < P ≤ 12.5	01B26C-1C5942-274750-372020



⑥	External Static Pressure [mmAq]	Option Code
	12.5 < P ≤ 15	01B26C-1C5994-274750-372020



Note

Adjust option code according to the actual installation condition (external static pressure).

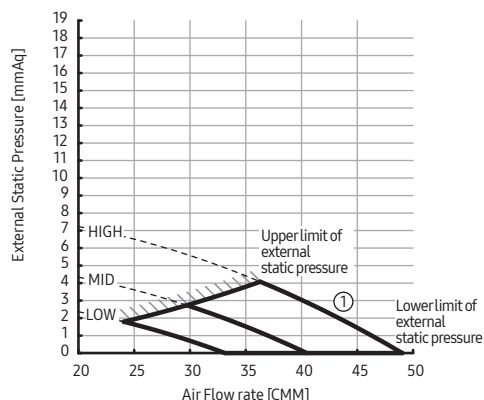
The graphs display the available external static pressure range of installed indoor units. Therefore, they do not reflect the actual change of external static pressure and airflow rate according to adjusted airflow (High-Mid-Low) of installed indoor units.

3 Duct S

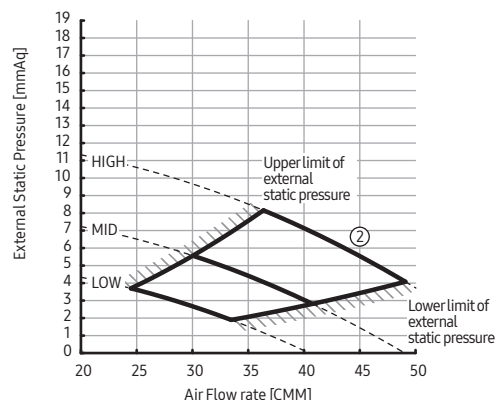
3-7) Recommended operation range

3) AC100JNMCEH/EU (ODU : AC100JXSCGH/EU)

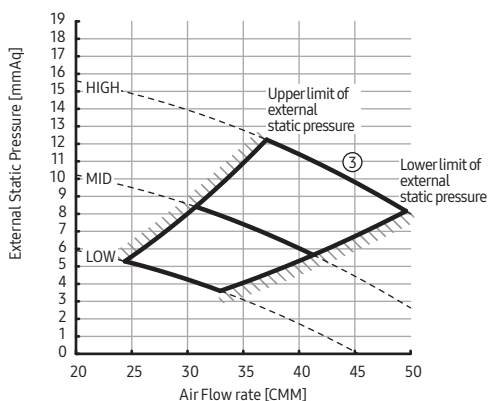
①	External Static Pressure (mmAq)	Option Code
	0 ≤ SP ≤ 4 (Default)	01B26C-1C50F2-276470-375045



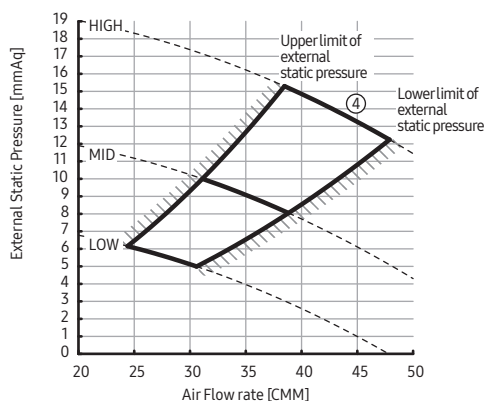
②	External Static Pressure (mmAq)	Option Code
	4 < SP ≤ 8	01B26C-1C5447-276470-375045



③	External Static Pressure (mmAq)	Option Code
	8 < SP ≤ 12	01B26C-1C54BC-276470-375045



④	External Static Pressure (mmAq)	Option Code
	12 < SP ≤ 15	01B26C-1C5910-276470-375045



Note

Adjust option code according to the actual installation condition (external static pressure).

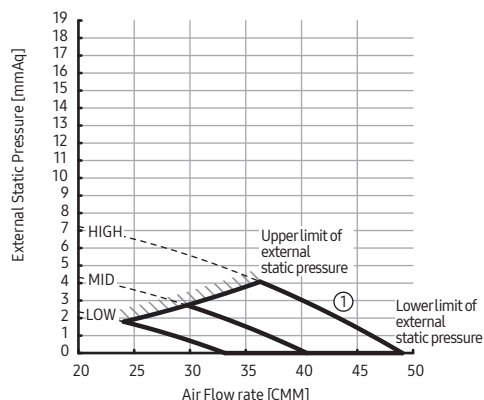
The graphs display the available external static pressure range of installed indoor units. Therefore, they do not reflect the actual change of external static pressure and airflow rate according to adjusted airflow (High-Mid-Low) of installed indoor units.

3 Duct S

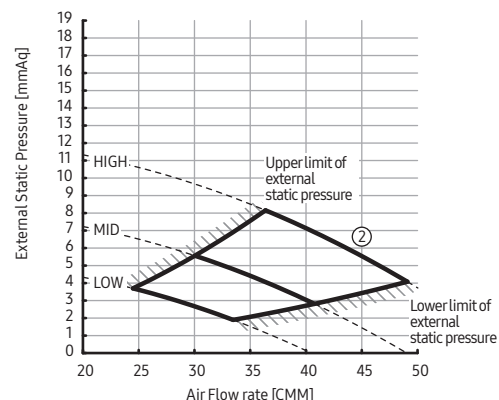
3-7) Recommended operation range

4) AC100JNMCEH/EU (ODU : AC100JXSCEH/EU)

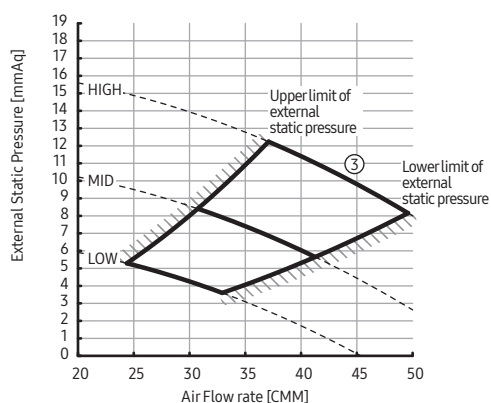
①	External Static Pressure (mmAq)	Option Code
	0 ≤ SP ≤ 4 (Default)	01B26C-1C50F2-276470-375045



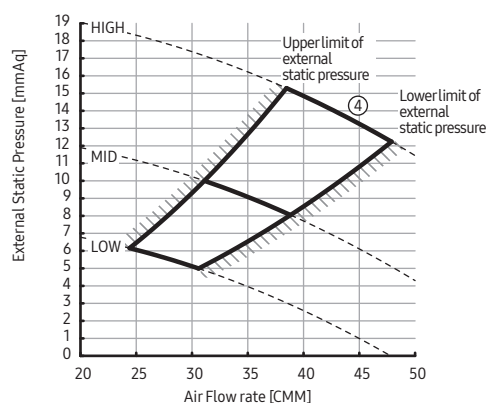
②	External Static Pressure (mmAq)	Option Code
	4 < SP ≤ 8	01B26C-1C5447-276470-375045



③	External Static Pressure (mmAq)	Option Code
	8 < SP ≤ 12	01B26C-1C54BC-276470-375045



④	External Static Pressure (mmAq)	Option Code
	12 < SP ≤ 15	01B26C-1C5910-276470-375045



Note

Adjust option code according to the actual installation condition (external static pressure).

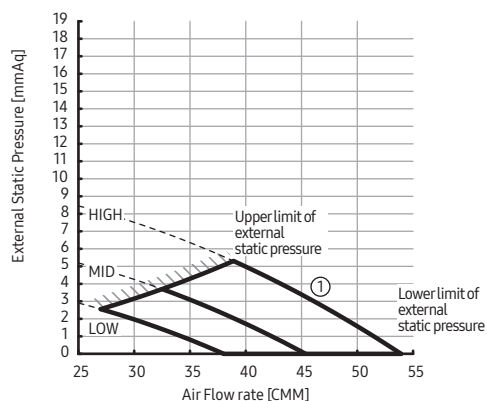
The graphs display the available external static pressure range of installed indoor units. Therefore, they do not reflect the actual change of external static pressure and airflow rate according to adjusted airflow (High-Mid-Low) of installed indoor units.

3 Duct S

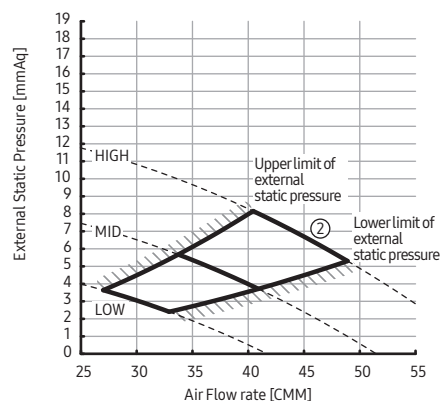
3-7) Recommended operation range

5) AC125JNMCEH/EU (ODU : AC125JXSCGH/EU)

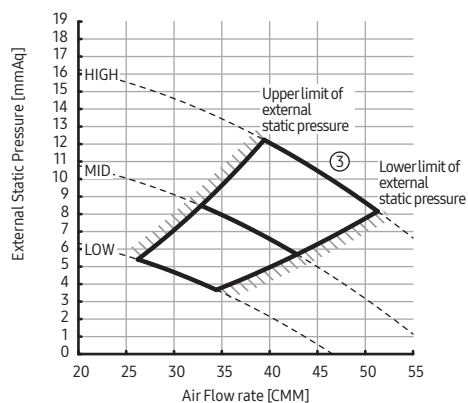
①	External Static Pressure (mmAq)	Option Code
	0 ≤ SP ≤ 5.2 (Default)	01B26C-1C5425-277D8C-374045



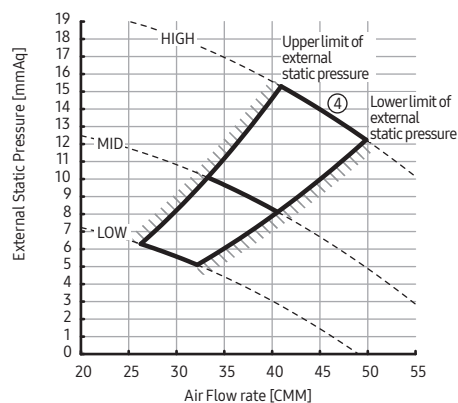
②	External Static Pressure (mmAq)	Option Code
	5.2 < SP ≤ 8	01B26C-1C547A-277D8C-374045



③	External Static Pressure (mmAq)	Option Code
	8 < SP ≤ 12	01B26C-1C54ED-277D8C-374045



④	External Static Pressure (mmAq)	Option Code
	12 < SP ≤ 15	01B26C-1C5929-277D8C-374045



Note

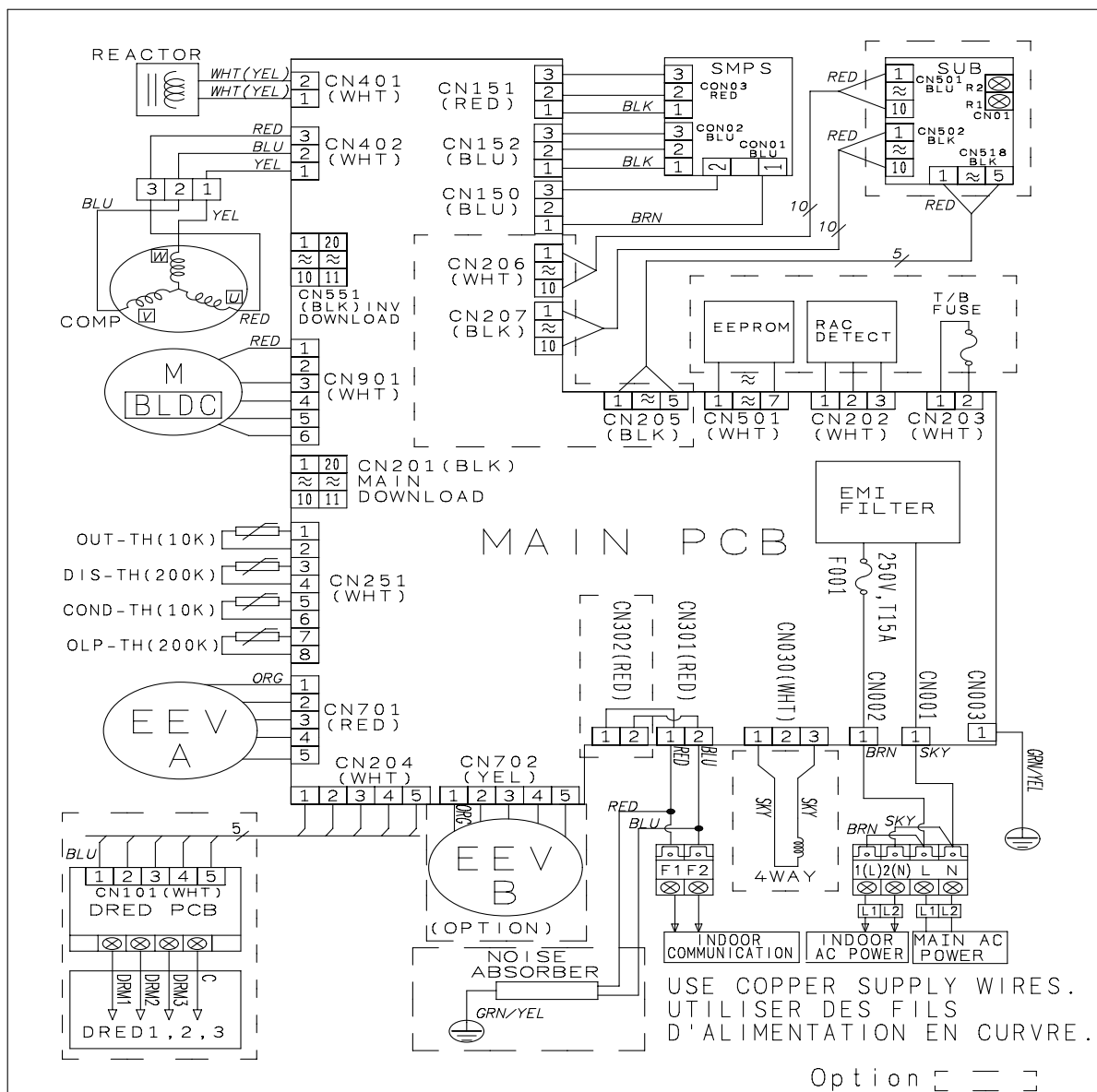
Adjust option code according to the actual installation condition (external static pressure).

The graphs display the available external static pressure range of installed indoor units. Therefore, they do not reflect the actual change of external static pressure and airflow rate according to adjusted airflow (High-Mid-Low) of installed indoor units.

3) Duct S

3-8) Electrical wiring diagram - Outdoor

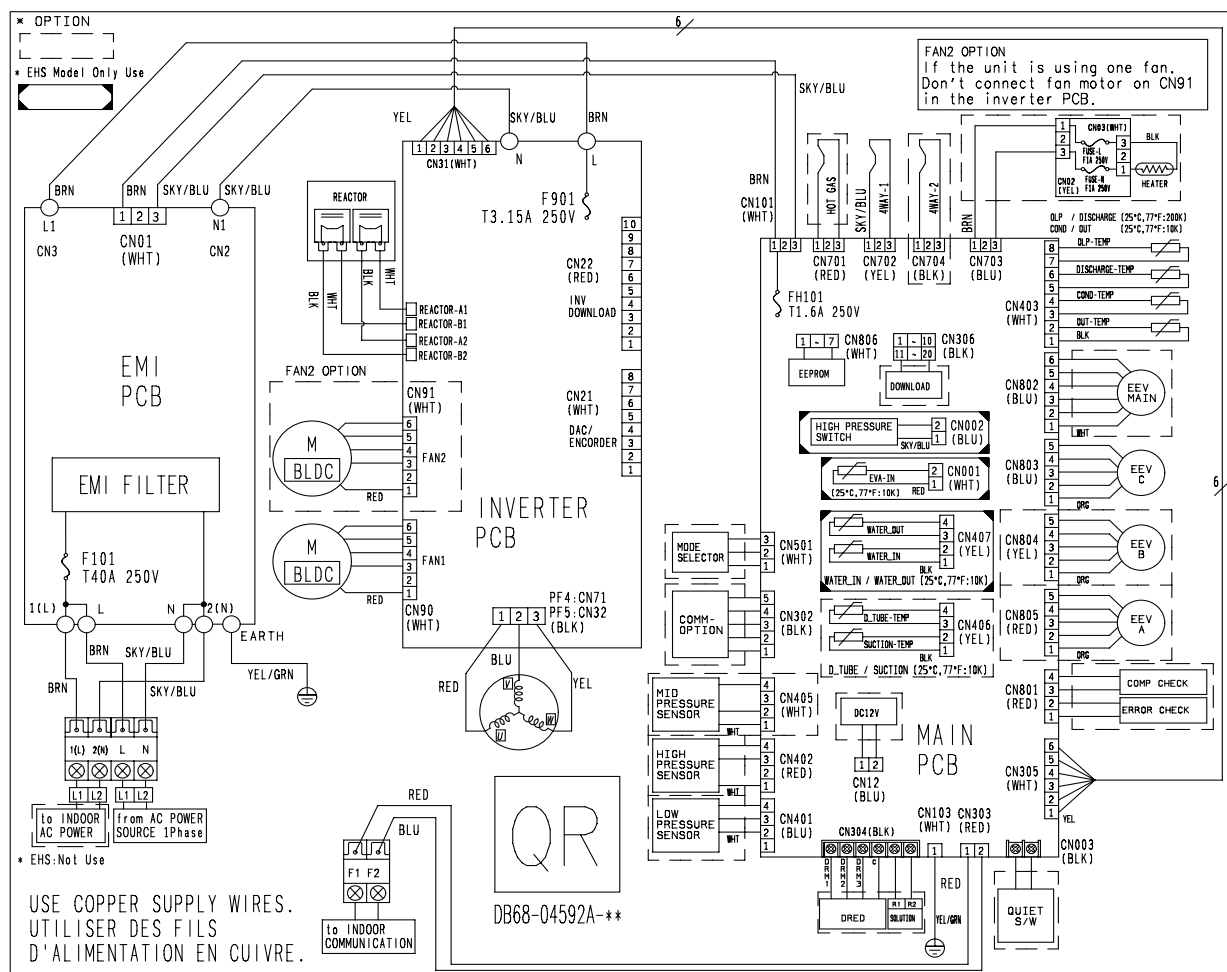
AC035JXSCEH/EU



3 Duct S

3-8) Electrical wiring diagram - Outdoor

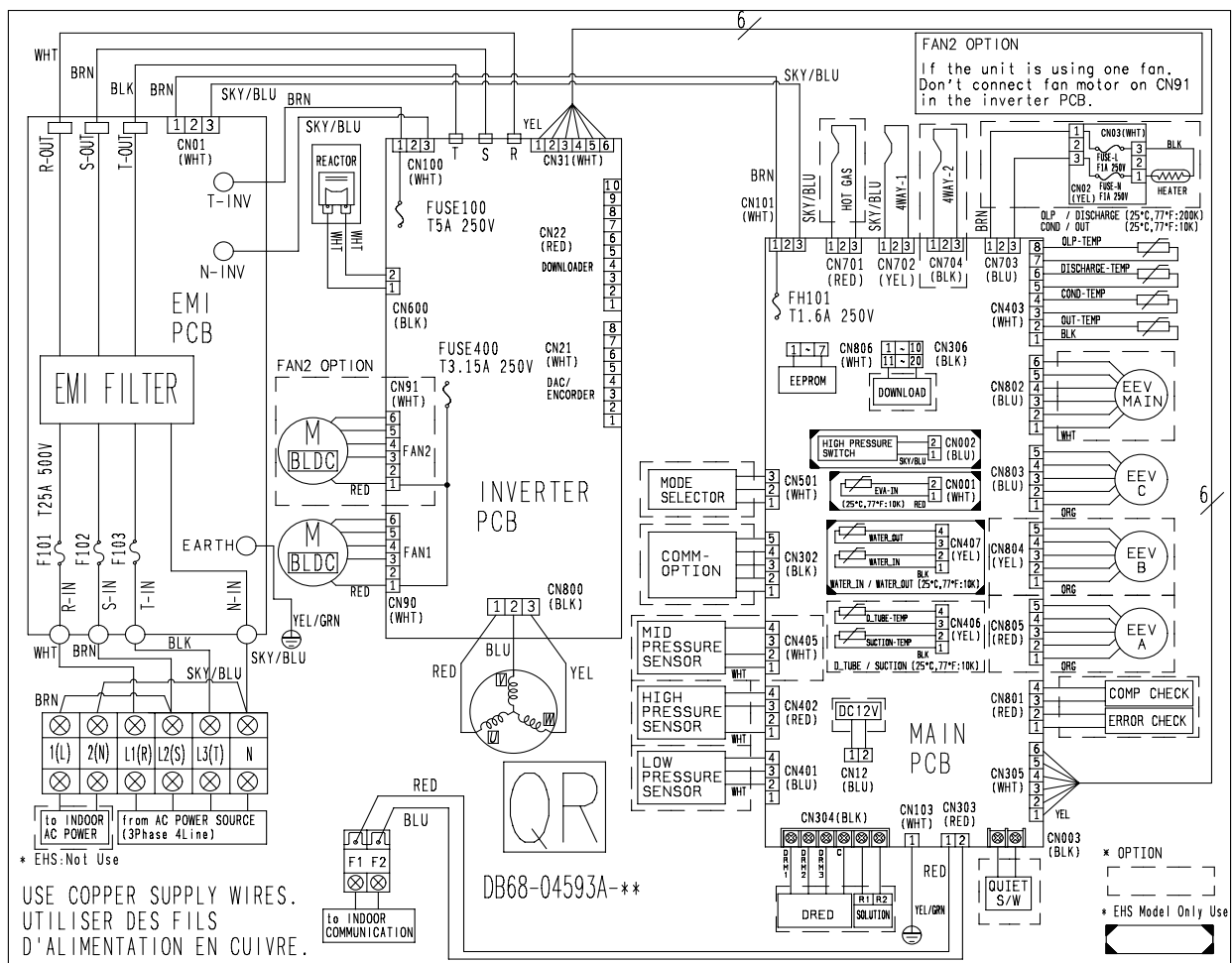
AC071JXSCEH/EU, AC100JXSCEH/EU



3) Duct S

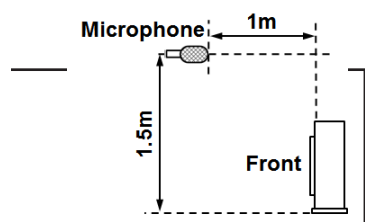
3-8) Electrical wiring diagram - Outdoor

AC100JXSCGH/EU, AC125JXSCGH/EU



3 Duct S

3-9) Sound pressure level - Outdoor

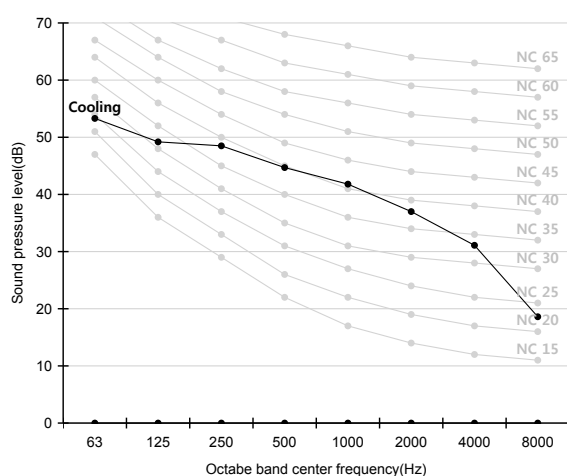


Unit: dB(A)

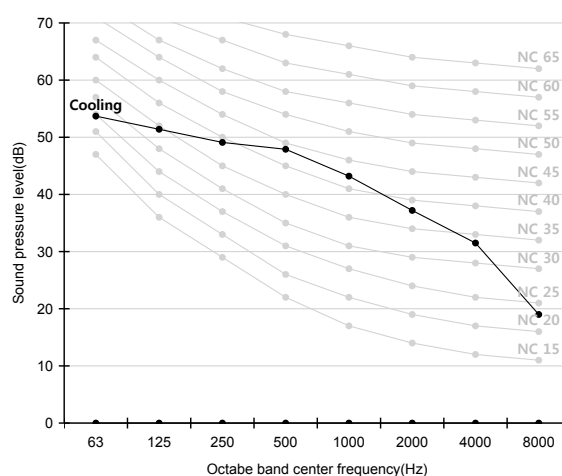
Model	Cooling	Heating
AC035JXSCEH/EU (IDU : AC035JNMCEH/EU)	47	48
AC071JXSCEH/EU (IDU : AC071JNMCEH/EU)	49	49
AC100JXSCGH/EU (IDU : AC100JNMCEH/EU)	50	50
AC100JXSCEH/EU (IDU : AC100JNMCEH/EU)	50	50

NC curve

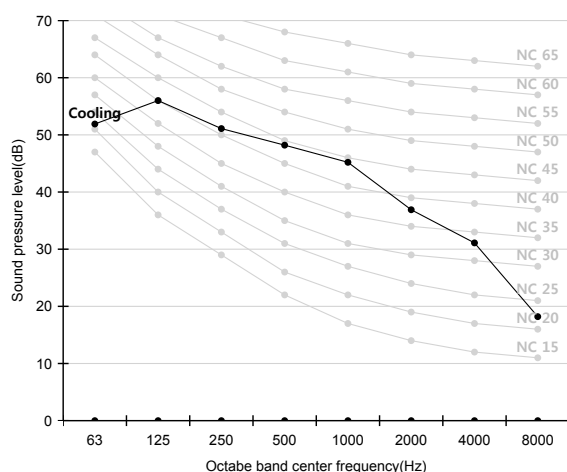
1) AC035JXSCEH/EU (IDU : AC035JNMCEH/EU)



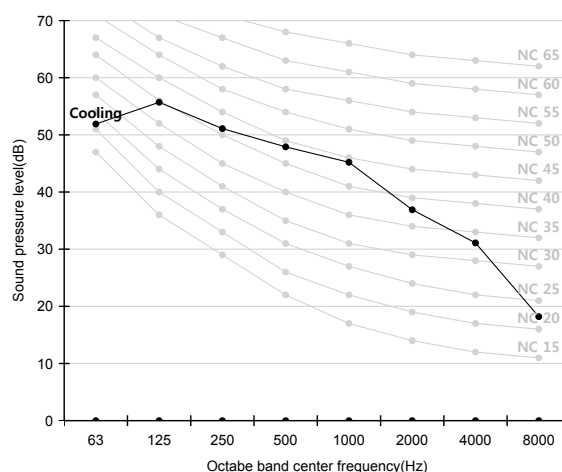
2) AC071JXSCEH/EU (IDU : AC071JNMCEH/EU)



3) AC100JXSCGH/EU (IDU : AC100JNMCEH/EU)



4) AC100JXSCEH/EU (IDU : AC100JNMCEH/EU)

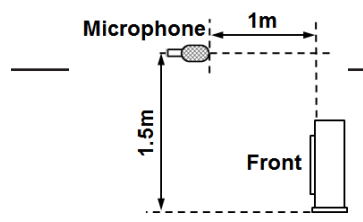


NOTE

- Specifications may be subject to change without prior notice.
- Sound pressure level is obtained in an anechoic room.
- Sound pressure level is a relative value, depending on the distance and acoustic environment.
- Sound pressure level may differ depending on operation condition.
- dBA = A-weighted sound pressure level
- Reference acoustic pressure 0 dB = 20μPa

3 Duct S

3-9) Sound pressure level - Outdoor

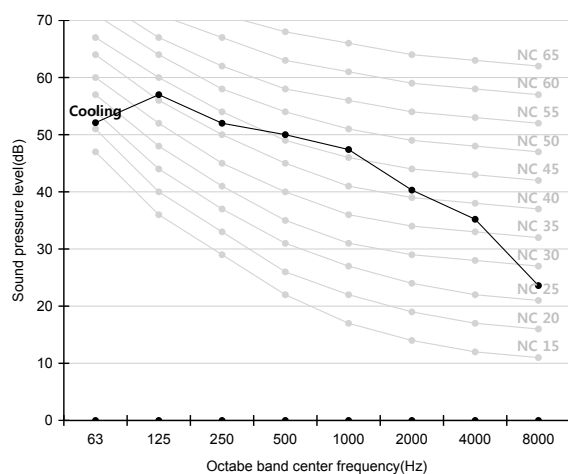


Unit: dB(A)

Model	Cooling	Heating
AC125JXSCGH/EU (IDU : AC125JNMCEH/EU)	52	52

NC curve

1) AC125JXSCGH/EU (IDU : AC125JNMCEH/EU)



NOTE

- Specifications may be subject to change without prior notice.
- Sound pressure level is obtained in an anechoic room.
- Sound pressure level is a relative value, depending on the distance and acoustic environment.
- Sound pressure level may differ depending on operation condition.
- dBA = A-weighted sound pressure level
- Reference acoustic pressure 0 dB = 20μPa

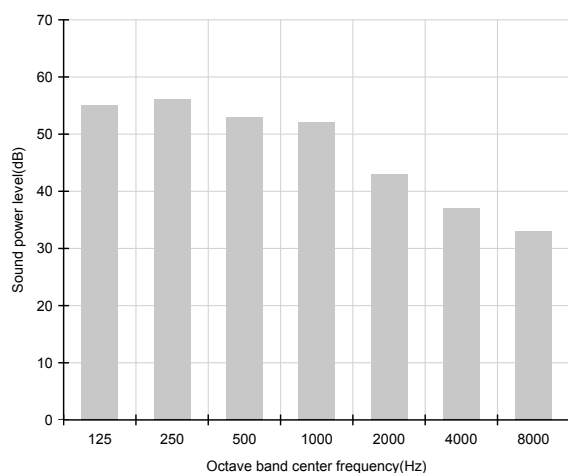
3 Duct S

3-10) Sound power level - Outdoor

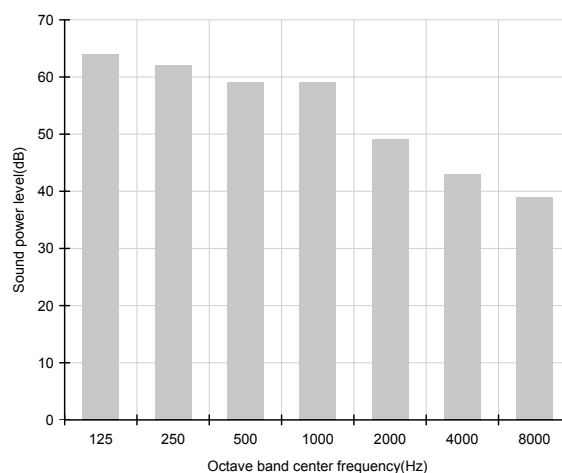
Unit: dB(A)

Model	Power
AC035JXSCEH/EU (IDU : AC035JNMCEH/EU)	62
AC071JXSCEH/EU (IDU : AC071JNMCEH/EU)	65
AC100JXSCGH/EU (IDU : AC100JNMCEH/EU)	66
AC100JXSCEH/EU (IDU : AC100JNMCEH/EU)	66

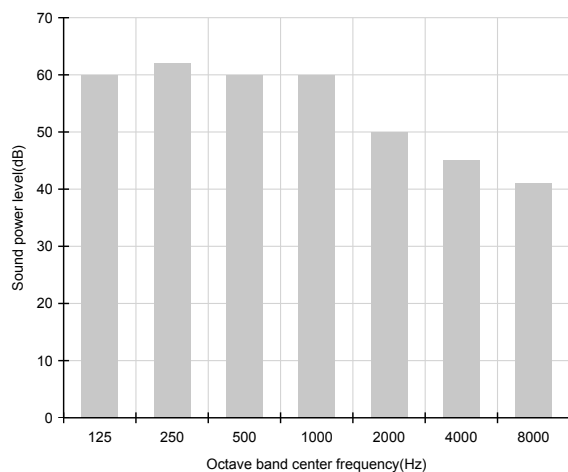
1) AC035JXSCEH/EU (IDU : AC035JNMCEH/EU)



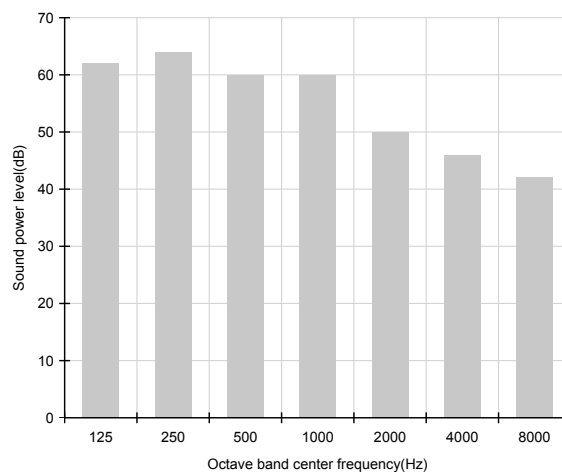
2) AC071JXSCEH/EU (IDU : AC071JNMCEH/EU)



3) AC100JXSCGH/EU (IDU : AC100JNMCEH/EU)



4) AC100JXSCEH/EU (IDU : AC100JNMCEH/EU)



NOTE

- Specifications may be subject to change without prior notice.
- Sound power level is an absolute value that a sound source generates.
- dBA = A-weighted sound power level.
- Reference power : 1pW.
- Measured according to ISO 3741.

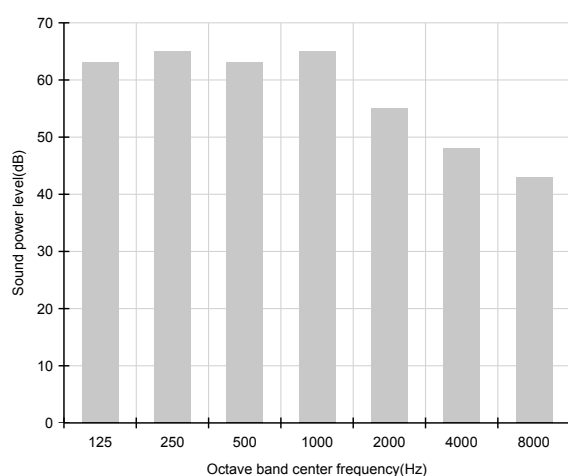
3 Duct S

3-10) Sound power level - Outdoor

Unit: dB(A)

Model	Power
AC125JXSCGH/EU (IDU : AC125JNMCEH/EU)	69

1) AC125JXSCGH/EU (IDU : AC125JNMCEH/EU)



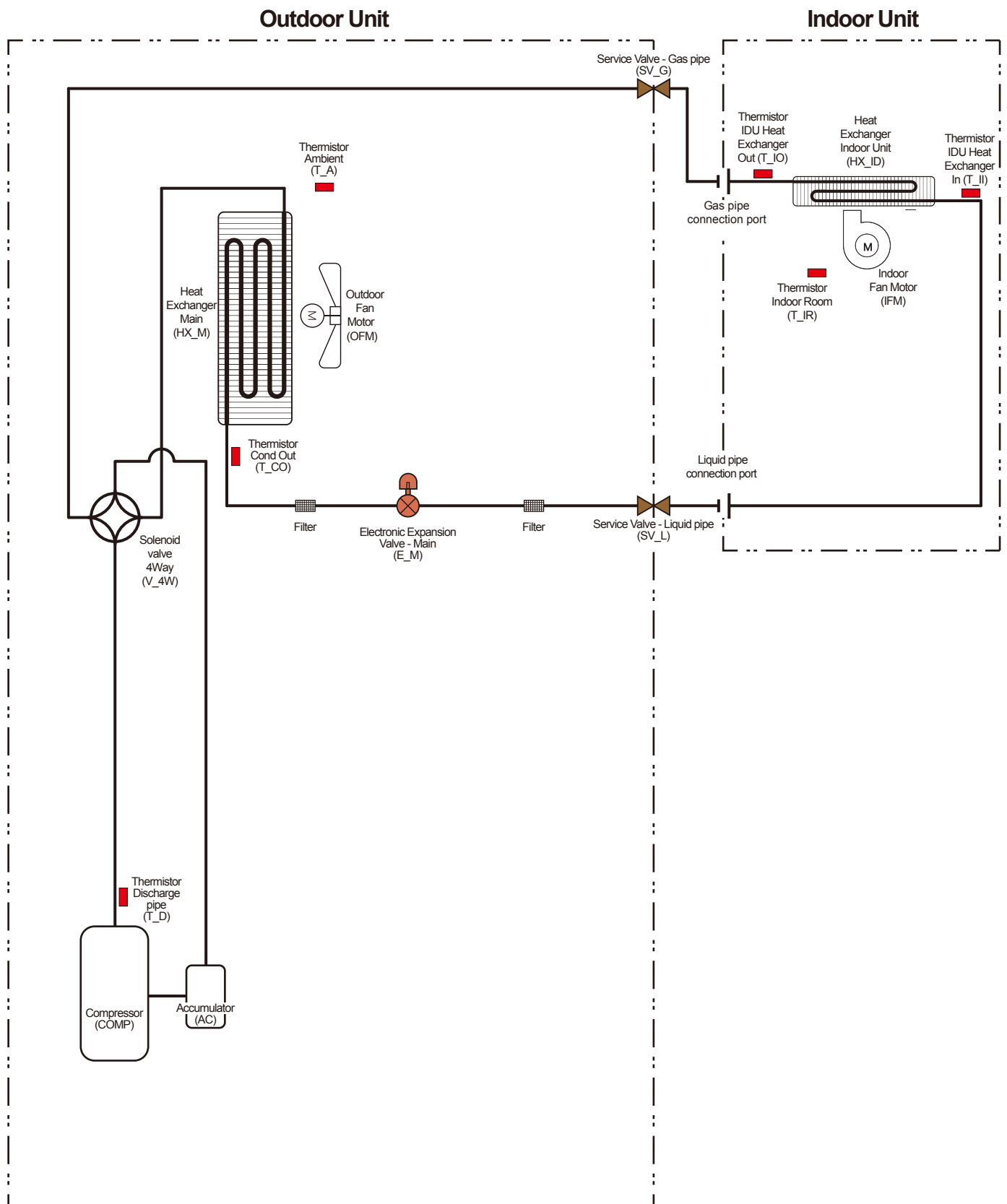
NOTE

- Specifications may be subject to change without prior notice.
- Sound power level is an absolute value that a sound source generates.
- dBA = A-weighted sound power level.
- Reference power : 1pW.
- Measured according to ISO 3741.

3 Duct S

3-11) Cycle diagram

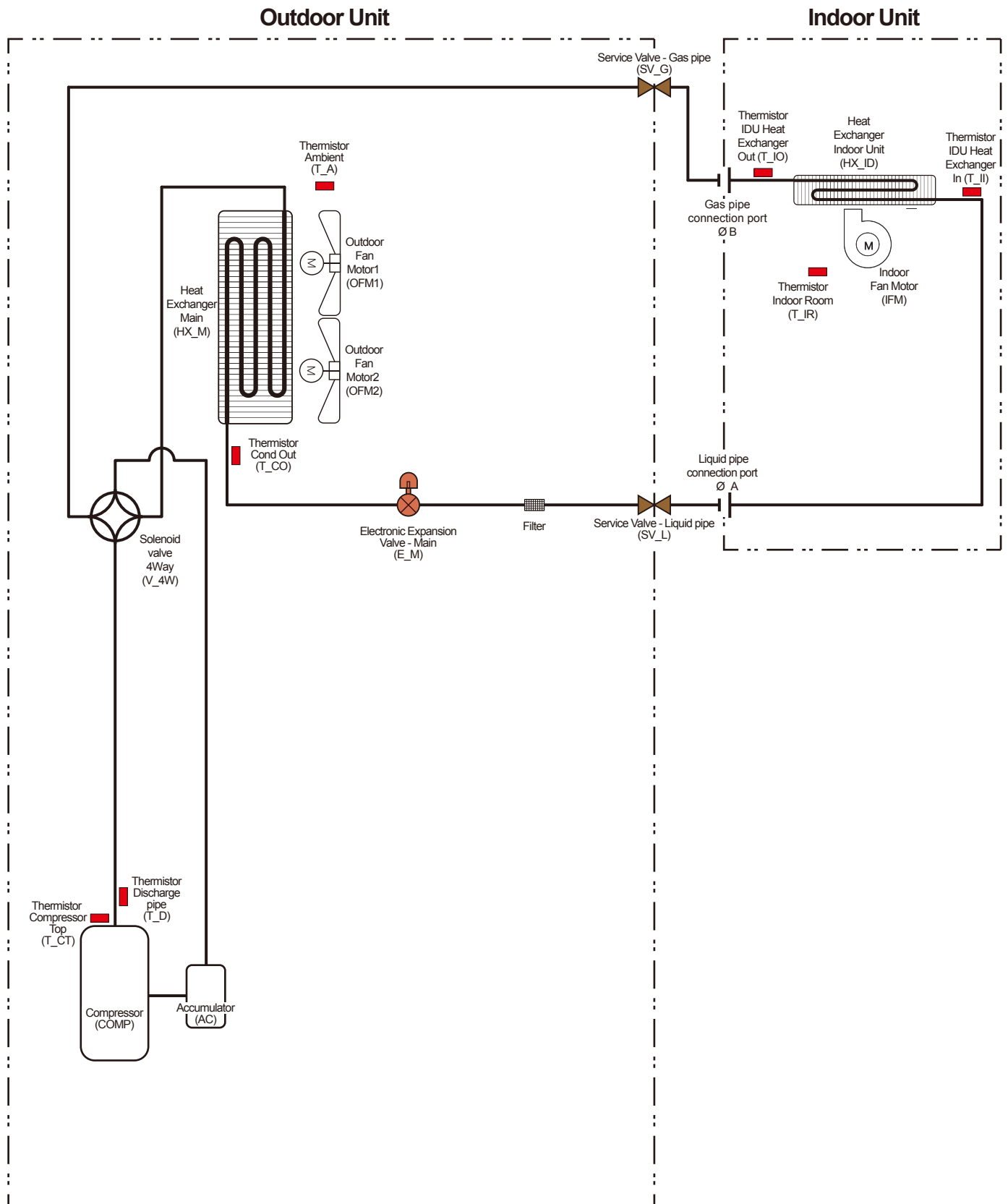
AC035JXSCEH/EU



3 Duct S

3-11) Cycle diagram

AC071JXSCEH/EU, AC100JXSCEH/EU, AC100JXSCGH/EU, AC125JXSCGH/EU



3 Duct S

3-12) Dimensional drawing

AC035JXSCEH/EU

Units : mm / inches

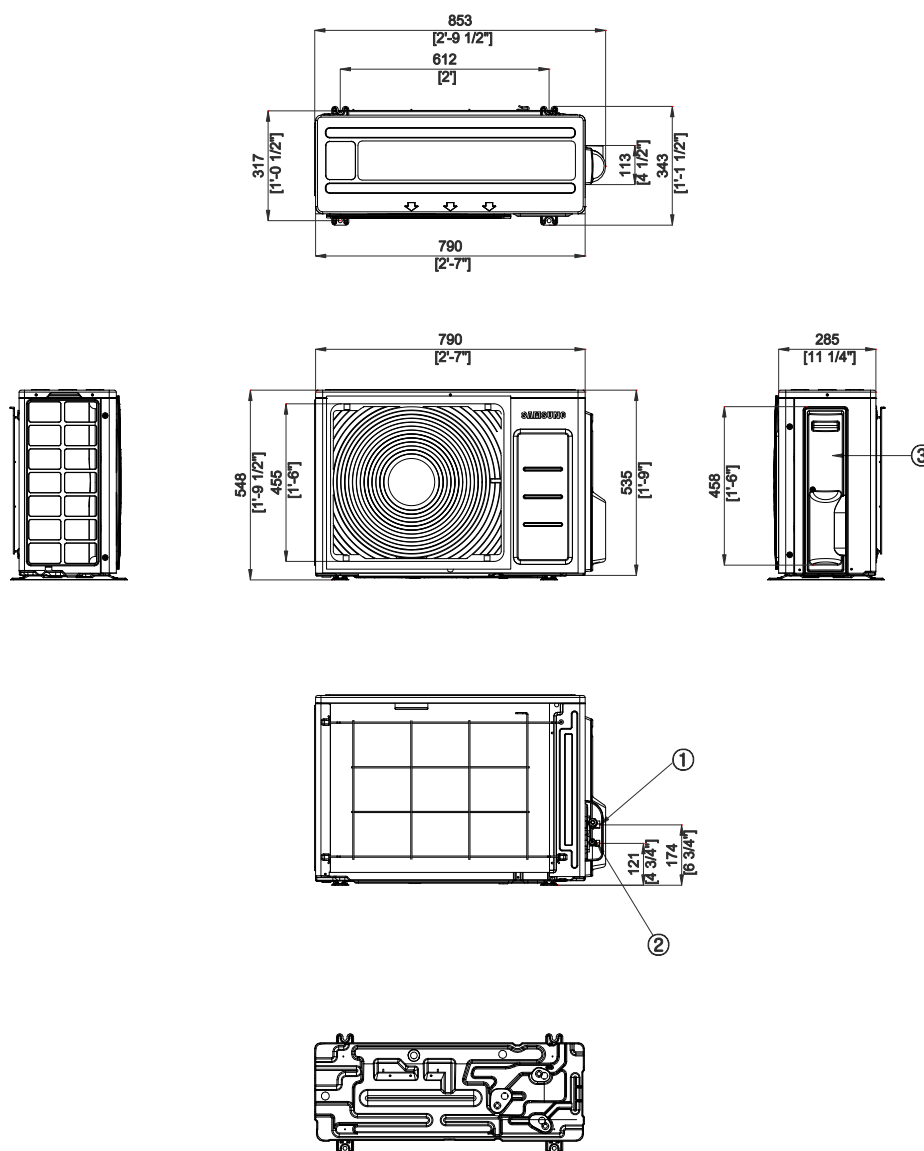


Table of descriptions

1	Refrigerant gas pipe
2	Refrigerant liquid pipe
3	Power & Comm. wiring conduits

3 Duct S

3-12) Dimensional drawing

AC071JXSCEH/EU, AC100JXSCEH/EU, AC100JXSCGH/EU, AC125JXSCGH/EU

Units : mm / inches

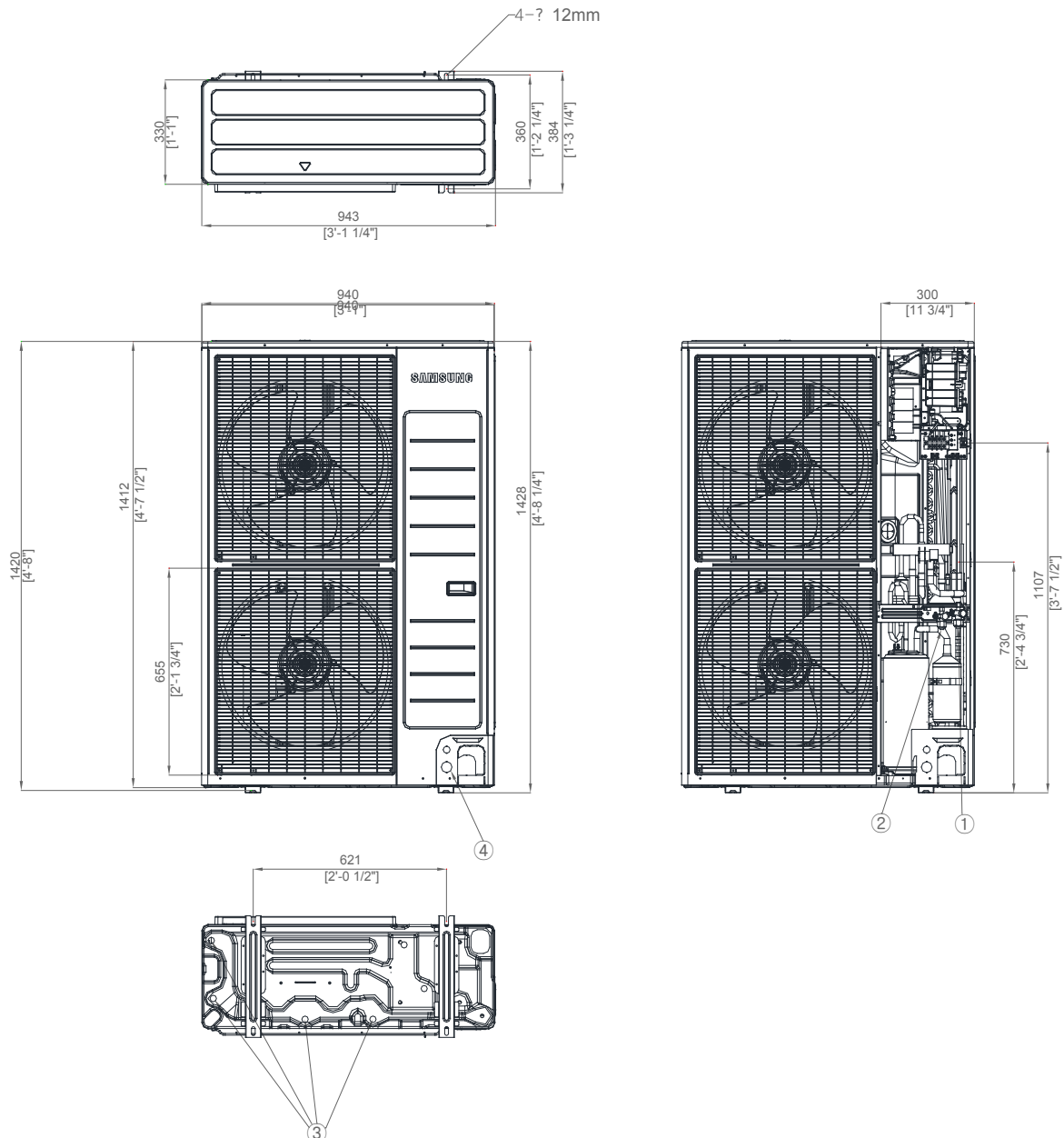


Table of descriptions

1	Refrigerant gas pipe
2	Refrigerant liquid pipe
3	Drain Hole
4	Power & Comm. wiring conduits

3 Duct S

3-13) Capacity correction

AC035JXSCEH/EU

Cooling

Level Difference (m)	Pipe Length (m)			
	5	10	15	20
15	-	-	0.91	0.87
10	-	0.96	0.91	0.87
5	1.00	0.96	0.91	0.87
0	1.00	0.96	0.91	0.87
-5	1.00	0.94	0.90	0.86
-10	-	0.91	0.88	0.85
-15	-	-	0.87	0.84

Heating

Level Difference (m)	Pipe Length (m)			
	5	10	15	20
15	-	-	0.91	0.87
10	-	0.96	0.91	0.87
5	1.00	0.96	0.91	0.87
0	1.00	0.96	0.91	0.87
-5	1.00	0.96	0.91	0.87
-10	-	0.96	0.91	0.87
-15	-	-	0.91	0.87

AC071JXSCEH/EU, AC100JXSCEH/EU, AC100JXSCGH/EU, AC125JXSCGH/EU

Cooling

Level Difference (m)	Pipe Length (m)														
	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75
30	-	-	-	-	-	0.96	0.95	0.94	0.93	0.92	0.91	0.91	0.90	0.89	0.88
25	-	-	-	-	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.91	0.90	0.89	0.88
20	-	-	-	0.97	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.91	0.90	0.89	0.88
15	-	-	0.98	0.97	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.91	0.90	0.89	0.88
10	-	0.99	0.98	0.97	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.91	0.90	0.89	0.88
5	1.00	0.99	0.98	0.97	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.91	0.90	0.89	0.88
0	1.00	0.99	0.98	0.97	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.91	0.90	0.89	0.88
-5	1.00	0.99	0.98	0.97	0.96	0.95	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.87
-10	-	0.98	0.98	0.97	0.96	0.95	0.94	0.93	0.93	0.92	0.91	0.90	0.89	0.87	0.85
-15	-	-	0.97	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.86	0.84
-20	-	-	-	0.96	0.95	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.86	0.83
-25	-	-	-	-	0.95	0.94	0.93	0.93	0.92	0.91	0.90	0.88	0.87	0.85	0.81
-30	-	-	-	-	-	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.86	0.84	0.80

Heating

Level Difference (m)	Pipe Length (m)														
	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75
30	-	-	-	-	-	0.96	0.95	0.94	0.93	0.92	0.91	0.91	0.90	0.89	0.88
25	-	-	-	-	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.91	0.90	0.89	0.88
20	-	-	-	0.97	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.91	0.90	0.89	0.88
15	-	-	0.98	0.97	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.91	0.90	0.89	0.88
10	-	0.99	0.98	0.97	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.91	0.90	0.89	0.88
5	1.00	0.99	0.98	0.97	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.91	0.90	0.89	0.88
0	1.00	0.99	0.98	0.97	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.91	0.90	0.89	0.88
-5	1.00	0.99	0.98	0.97	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.91	0.90	0.89	0.88
-10	-	0.99	0.98	0.97	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.91	0.90	0.89	0.88
-15	-	-	0.98	0.97	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.91	0.90	0.89	0.88
-20	-	-	-	0.97	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.91	0.90	0.89	0.88
-25	-	-	-	-	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.91	0.90	0.89	0.88
-30	-	-	-	-	-	0.96	0.95	0.94	0.93	0.92	0.91	0.91	0.90	0.89	0.88

4 Wall-mounted (AR5000)

- 4-1. Specifications
- 4-2. Capacity table
- 4-3. Dimensional drawing - Indoor
- 4-4. Dimensional drawing - Outdoor
- 4-5. Electrical wiring diagram - Indoor
- 4-6. Electrical wiring diagram - Outdoor
- 4-7. Sound pressure level
- 4-8. Sound pressure level - Outdoor
- 4-9. Sound power level
- 4-10. Sound power level - Outdoor
- 4-11. Temperature and air flow distribution
- 4-12. Cycle diagram
- 4-13. Capacity correction

4 Wall-mounted (AR5000)

4-1) Specifications

Type				AR5000		AR5000		AR5000				
Model Name		Indoor Unit		AC026KNADEH/EU		AC035KNADEH/EU		AC071KNADEH/EU				
		Outdoor Unit		AC026JXSCEH/EU		AC035JXSCEH/EU		AC071JXSCEH/EU				
System	Mode			Heat Pump		Heat Pump		Heat Pump				
	Capacity	Cooling(Min/Std/Max)		kW	1.00 / 2.60 / 3.60		1.10 / 3.50 / 4.40		2.00 / 7.10 / 8.50			
				Btu/h	3,400 / 8,900 / 12,300		3,800 / 11,900 / 15,000		6,800 / 24,200 / 29,000			
		Heating(Min/Std/Max)		kW	1.00 / 3.40 / 6.40		1.10 / 4.30 / 7.10		3.00 / 8.00 / 10.00			
				Btu/h	3,400 / 11,600 / 21,800		3,800 / 14,700 / 24,200		10,200 / 27,300 / 34,100			
	Power	Power Input (Nominal)	Cooling(Min/Std/Max)	kW	0.24 / 0.61 / 0.90		0.25 / 0.94 / 1.26		0.75 / 1.86 / 2.30			
			Heating(Min/Std/Max)		0.18 / 0.75 / 1.90		0.19 / 1.02 / 2.20		0.56 / 2.33 / 5.10			
		Current Input (Nominal)	Cooling(Min/Std/Max)	A	1.60 / 3.10 / 4.30		1.60 / 4.40 / 5.90		4.10 / 8.40 / 10.30			
			Heating(Min/Std/Max)		1.30 / 3.60 / 8.50		1.30 / 4.70 / 9.50		3.00 / 10.60 / 22.00			
		MCA		A	11.00		11.00		25.00			
		MFA		A	12.50		12.50		30.00			
	Energy Efficiency	EER (Nominal Cooling)		-	4.26		3.72		3.82			
		COP (Nominal Heating)		-	4.53		4.22		3.43			
		Energy Grade		-	SEER 8.5 (A+++)		SEER 8.0 (A++)		SEER 6.5 (A++)			
				-	SCOP 4.7 (A++)		SCOP 4.6 (A++)		SCOP 4.0 (A+)			
	Piping Connections	Liquid Pipe			Ø, mm	6.35		6.35		9.52		
					Ø, inch	1/4"		1/4"		3/8"		
			Gas Pipe			Ø, mm	9.52		9.52		15.88	
						Ø, inch	3/8"		3/8"		5/8"	
		Installation Limitation	Max. Length	m	20		20		75			
			Max. Height	m	15		15		30			
	Field Wiring	Power Source Wire		Ø, mm	-		-		-			
		Transmission Cable		Ø, mm	0.75 ~ 1.50		0.75 ~ 1.50		0.75 ~ 1.50			
	Refrigerant	Type		-	R410A		R410A		R410A			
		Control Method		-	-		-		-			
Factory Charging		kg / tCO2e	1.27 / 2.65		1.27 / 2.65		2.90 / 6.06					
Indoor Unit	Power Supply			Ø, #, V, Hz	1,2,220-240,50		1,2,220-240,50		1,2,220-240,50			
	Fan	Type	-	Crossflow Fan		Crossflow Fan		Crossflow Fan				
		Motor	Output	W	27 x 1		27 x 1		27 x 1			
				CMM	11.00 / 7.50 / 6.00		11.00 / 8.00 / 6.50		17.00 / 15.00 / 13.00			
		Air Flow Rate		High/Mid/Low	l/s	183.33 / 125.00 / 100.00		183.33 / 133.33 / 108.33		283.33 / 250.00 / 216.67		
	External Static Pressure		Min/Std/Max	mmAq	-		-		-			
				Pa	-		-		-			
	Drain	Drain Pipe		Ø,mm	ID18 HOSE		ID18 HOSE		ID18 HOSE			
	Sound	Pressure	High/Mid/Low/Silence		dB(A)	38 / 30 / 23 / 19		38 / 32 / 25 / 21		43 / 40 / 35 / 30		
		Power	Cooling			56		58		61		
	External Dimension	Net Weight		kg	11.00		11.00		14.50			
		Shipping Weight		kg	12.50		12.50		17.00			
		Net Dimensions (WxHxD)		mm	896 x 261 x 261		896 x 261 x 261		1,065 x 301 x 294			
		Shipping Dimensions (WxHxD)		mm	956 x 317 x 335		956 x 317 x 335		1,123 x 354 x 384			
	Panel Size	Panel model		-	-		-		-			
		Panel Net Weight		kg	-		-		-			
		Shipping Weight		kg	-		-		-			
		Net Dimensions (WxHxD)		mm	-		-		-			
	Additional Accessories	Shipping Dimensions (WxHxD)		mm	-		-		-			
		Drain pump	Drain pump	-	-		-		-			
			Max. Lifting	mm/liter/h	-		-		-			
		Air Filter		-	-		-		-			
	Outdoor Unit	Power Supply			Ø, #, V, Hz	1,2,220-240,50		1,2,220-240,50		1,2,220-240,50		
		Compressor	Type	-	BLDC Rotary		BLDC Rotary		Twin BLDC Rotary			
			Model		-	DA128A1FA-20F		DA128A1FA-20F		UG5T450FUEJX		
Output			kW	0.955		0.955		4.12				
Oil			Type	-	Ester Oil		Ester Oil		PVE			
		Air Flow Rate	Cooling	CMM	33.00		33.00		112.00			
Sound		Pressure	Cooling/Heating	dB(A)	46 / 47		47 / 48		49 / 49			
			Cooling		59		62		65			
External Dimension		Net Weight		kg	37.00		37.00		96.00			
		Shipping Weight		kg	39.00		39.00		106.00			
		Net Dimensions (WxHxD)		mm	790 x 548 x 285		790 x 548 x 285		940 x 1,420 x 330			
		Shipping Dimensions (WxHxD)		mm	926 x 640 x 384		926 x 640 x 384		995 x 1,598 x 426			
Operating Temp. Range		Cooling		°C	-20.0 ~ 50.0		-20.0 ~ 50.0		-20.0 ~ 50.0			
		Heating		°C	-25.0 ~ 24.0		-25.0 ~ 24.0		-25.0 ~ 24.0			

* Specifications may be subject to change without prior notice.

1) Nominal cooling capacities are based on;

- Indoor temperature : 27°C DB, 19°C WB

- Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 5m, Level differences : 0m

2) Nominal heating capacities are based on;

- Indoor temperature : 20°C DB, 15°C WB

- Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 5m, Level differences : 0m

3) Sound pressure level is acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.

4) These products contain R410A(GWP=2,088) which is fluorinated greenhouse gas.

※ Heat Exchanger type : Indoor Unit - Fin & Tube (Fin : Al, Tube : Cu)

Outdoor Unit - AC026/035JXSCEH/EU : Fin & Tube (Fin : Al, Tube : Cu), AC071JXSCEH/EU : FMC (Fin, Tube : Al)

4 Wall-mounted (AR5000)

4-2) Capacity table

AC026KNADEH/EU + AC026JXSCEH/EU

Cooling

TC(Total Capacity), SHC(Sensible Heat Capacity), PI(Power Input)

Outdoor Temperature (°C, DB)	Indoor Temperature (°C, DB / WB)																				
	20 / 14			22 / 16			25 / 18			27 / 19			28 / 20			30 / 22			32 / 24		
	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
-20	2.8	2.1	0.51	3.0	2.2	0.52	3.1	2.2	0.53	3.2	2.3	0.54	3.3	2.3	0.55	3.4	2.3	0.55	3.6	2.2	0.56
21	3.0	2.2	0.49	3.2	2.3	0.50	3.3	2.4	0.51	3.4	2.4	0.52	3.5	2.4	0.53	3.6	2.4	0.53	3.8	2.4	0.54
35	2.3	1.7	0.57	2.4	1.8	0.59	2.5	1.8	0.60	2.6	1.9	0.61	2.7	1.9	0.62	2.8	1.8	0.62	2.9	1.8	0.63
46	2.3	2.0	0.77	2.4	2.1	0.79	2.5	2.1	0.80	2.6	2.2	0.82	2.7	2.2	0.83	2.8	2.2	0.84	2.9	2.1	0.85
50	2.3	2.2	1.04	2.4	2.3	1.07	2.5	2.3	1.09	2.6	2.4	1.11	2.7	2.4	1.12	2.8	2.3	1.13	2.9	2.3	1.15

Heating

TC : Total Capacity, PI: Power Input

Outdoor Air Temp. (DB)	Indoor temperature (°C)											
	16 (DB)		18 (DB)		20 (DB)		21 (DB)		22 (DB)		24 (DB)	
	TC(kW)	PI(kW)	TC(kW)	PI(kW)	TC(kW)	PI(kW)	TC(kW)	PI(kW)	TC(kW)	PI(kW)	TC(kW)	PI(kW)
-25.0	2.40	1.28	2.40	1.26	2.40	1.25	2.30	1.24	2.30	1.23	2.30	1.21
-15.0	3.70	1.60	3.70	1.59	3.70	1.57	3.60	1.55	3.60	1.54	3.60	1.52
-10.0	4.10	1.73	4.00	1.72	4.00	1.70	4.00	1.68	3.90	1.67	3.90	1.65
0.0	4.10	1.02	4.00	1.01	4.00	1.00	4.00	0.99	3.90	0.98	3.90	0.97
7.0	3.50	0.77	3.40	0.76	3.40	0.75	3.40	0.74	3.30	0.74	3.30	0.73
24.0	4.20	1.04	4.10	1.03	4.10	1.02	4.10	1.01	4.00	1.00	4.00	0.99

AC035KNADEH/EU + AC035JXSCEH/EU

Cooling

TC(Total Capacity), SHC(Sensible Heat Capacity), PI(Power Input)

Outdoor Temperature (°C, DB)	Indoor Temperature (°C, DB / WB)																				
	20 / 14			22 / 16			25 / 18			27 / 19			28 / 20			30 / 22			32 / 24		
	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
-20	3.6	2.7	0.68	3.8	2.8	0.69	4.0	2.9	0.71	4.1	3.0	0.72	4.2	2.9	0.73	4.4	2.9	0.73	4.6	2.8	0.75
21	3.7	2.8	0.73	3.9	2.8	0.75	4.1	2.9	0.76	4.2	3.0	0.78	4.3	3.0	0.79	4.5	3.0	0.80	4.7	2.9	0.81
35	3.1	2.3	0.88	3.3	2.4	0.90	3.4	2.4	0.92	3.5	2.5	0.94	3.6	2.5	0.95	3.7	2.5	0.96	3.9	2.4	0.98
46	3.1	2.8	1.14	3.3	2.9	1.16	3.4	2.9	1.19	3.5	3.0	1.21	3.6	3.0	1.22	3.7	3.0	1.23	3.9	2.9	1.26
50	2.3	2.2	1.04	2.4	2.3	1.07	2.5	2.3	1.09	2.6	2.4	1.11	2.7	2.4	1.12	2.8	2.3	1.13	2.9	2.3	1.15

Heating

TC : Total Capacity PI: Power Input

Outdoor Air Temp. (DB)	Indoor temperature (°C)											
	16 (DB)		18 (DB)		20 (DB)		21 (DB)		22 (DB)		24 (DB)	
	TC(kW)	PI(kW)	TC(kW)	PI(kW)	TC(kW)	PI(kW)	TC(kW)	PI(kW)	TC(kW)	PI(kW)	TC(kW)	PI(kW)
-25.0	2.90	1.37	2.80	1.35	2.80	1.34	2.80	1.33	2.80	1.31	2.70	1.30
-15.0	4.10	1.79	4.00	1.77	4.00	1.75	4.00	1.73	3.90	1.72	3.90	1.70
-10.0	4.60	1.86	4.50	1.84	4.50	1.82	4.50	1.80	4.40	1.78	4.40	1.77
0.0	4.80	1.92	4.70	1.90	4.70	1.88	4.70	1.86	4.60	1.84	4.60	1.82
7.0	4.40	1.04	4.30	1.03	4.30	1.02	4.30	1.01	4.20	1.00	4.20	0.99
24.0	4.80	1.18	4.70	1.17	4.70	1.16	4.70	1.15	4.60	1.14	4.60	1.13

4 Wall-mounted (AR5000)

4-2) Capacity table

AC071KNADEH/EU + AC071JXSCEH/EU

Cooling

TC(Total Capacity), SHC(Sensible Heat Capacity), PI(Power Input)

Outdoor Temperature (°C, DB)	Indoor Temperature (°C, DB / WB)																				
	20 / 14			22 / 16			25 / 18			27 / 19			28 / 20			30 / 22			32 / 24		
	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
-20	7.6	5.7	1.19	8.0	5.8	1.21	8.3	6.0	1.23	8.6	6.2	1.26	8.8	6.1	1.27	9.2	6.1	1.29	9.7	5.9	1.31
21	8.0	5.9	1.36	8.4	6.1	1.38	8.7	6.3	1.41	9.0	6.5	1.44	9.2	6.4	1.45	9.6	6.4	1.47	10.1	6.2	1.50
35	6.3	4.7	1.75	6.6	4.8	1.79	6.9	5.0	1.82	7.1	5.1	1.86	7.2	5.1	1.88	7.6	5.0	1.90	8.0	4.9	1.94
46	5.8	5.1	2.59	6.1	5.3	2.64	6.3	5.5	2.70	6.5	5.6	2.75	6.6	5.6	2.78	7.0	5.5	2.81	7.3	5.4	2.86
50	4.9	4.6	2.40	5.1	4.8	2.45	5.3	4.9	2.50	5.5	5.1	2.55	5.6	5.0	2.58	5.9	5.0	2.60	6.2	4.9	2.65

Heating

TC : Total Capacity, PI: Power Input

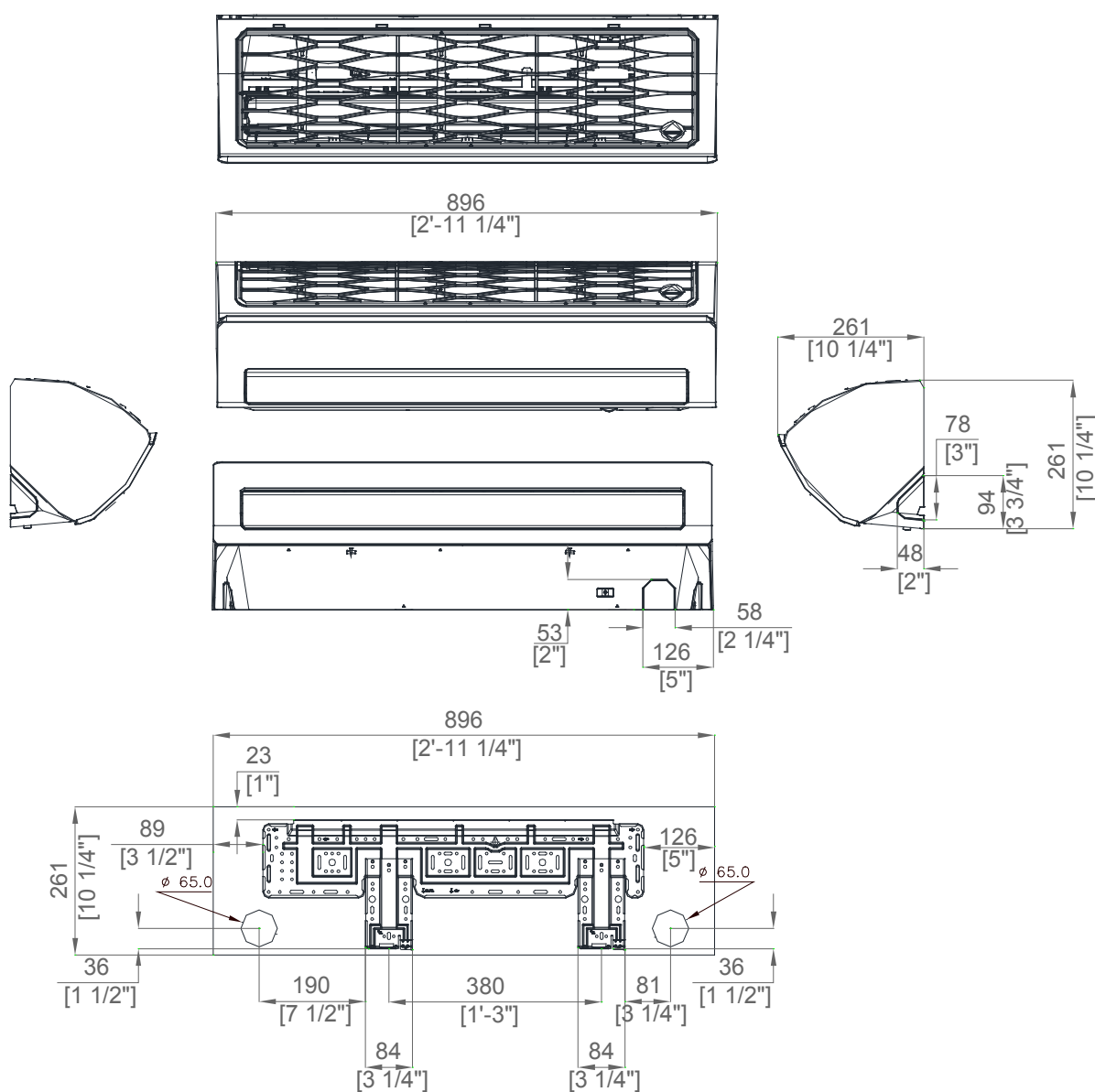
Outdoor Air Temp. (DB)	Indoor temperature (°C)											
	16 (DB)		18 (DB)		20 (DB)		21 (DB)		22 (DB)		24 (DB)	
	TC(kW)	PI(kW)	TC(kW)	PI(kW)	TC(kW)	PI(kW)	TC(kW)	PI(kW)	TC(kW)	PI(kW)	TC(kW)	PI(kW)
-25.0	7.70	5.10	7.60	5.05	7.50	5.00	7.40	4.95	7.40	4.90	7.30	4.85
-15.0	8.40	5.56	8.30	5.50	8.20	5.45	8.10	5.40	8.00	5.34	8.00	5.29
-10.0	8.60	5.43	8.50	5.37	8.40	5.32	8.30	5.27	8.20	5.21	8.20	5.16
0.0	8.80	4.34	8.70	4.29	8.60	4.25	8.50	4.21	8.40	4.17	8.30	4.12
7.0	8.20	2.38	8.10	2.35	8.00	2.33	7.90	2.31	7.80	2.28	7.80	2.26
24.0	9.70	2.95	9.60	2.92	9.50	2.89	9.40	2.86	9.30	2.83	9.20	2.80

4 Wall-mounted (AR5000)

4-3) Dimensional drawing - Indoor

AC026KNADEH/EU, AC035KNADEH/EU

Units : mm / inches

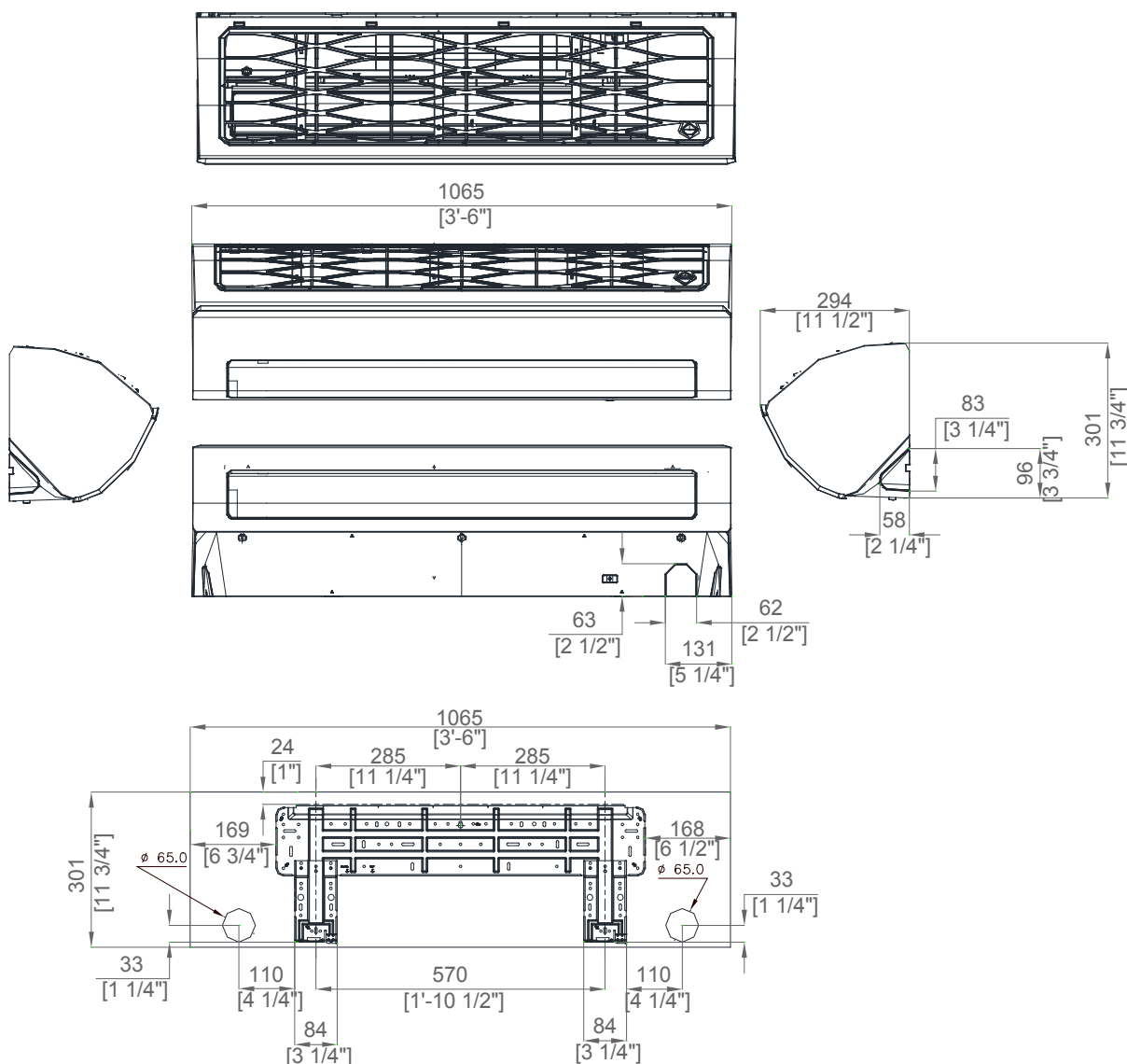


4 Wall-mounted (AR5000)

4-3) Dimensional drawing - Indoor

AC071KNADEH/EU

Units : mm / inches



4 Wall-mounted (AR5000)

4-4) Dimensional drawing - Outdoor

AC026JXSCEH/EU, AC035JXSCEH/EU

Units : mm / inches

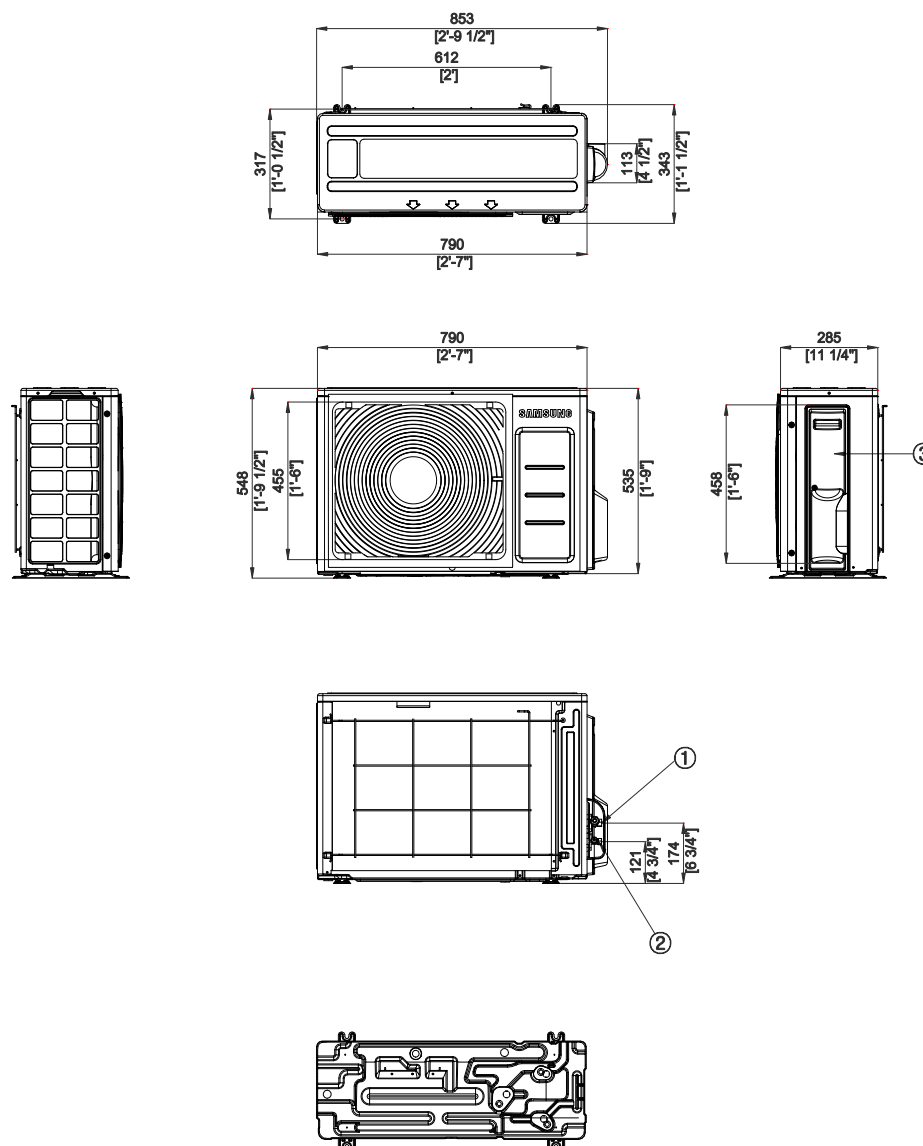


Table of descriptions

1	Refrigerant gas pipe	7	
2	Refrigerant liquid pipe	8	
3	Power & Comm. wiring conduits	9	
4		10	
5		11	
6		12	

4 Wall-mounted (AR5000)

4-4) Dimensional drawing - Outdoor

AC071JXSCEH/EU

Units : mm / inches

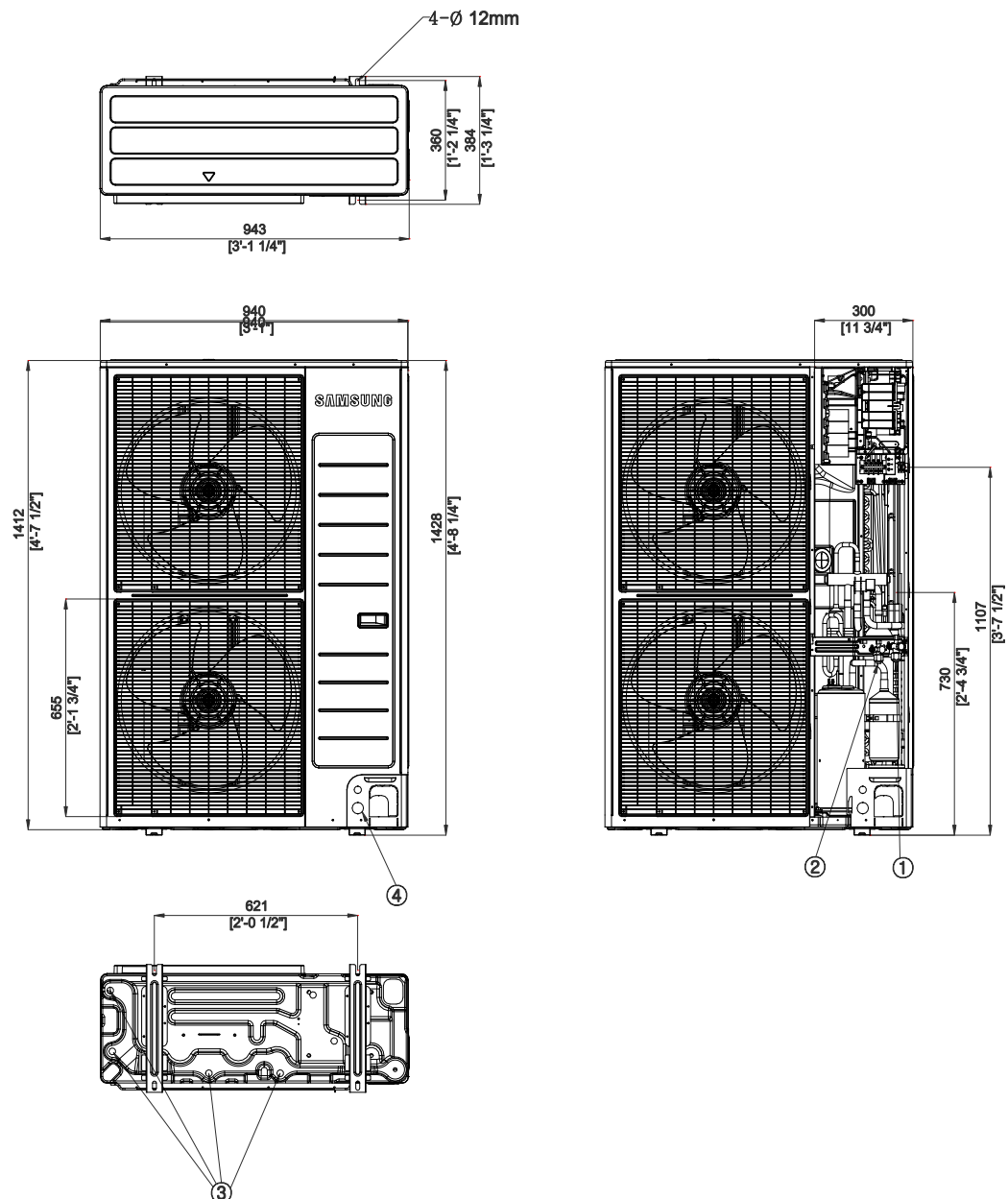


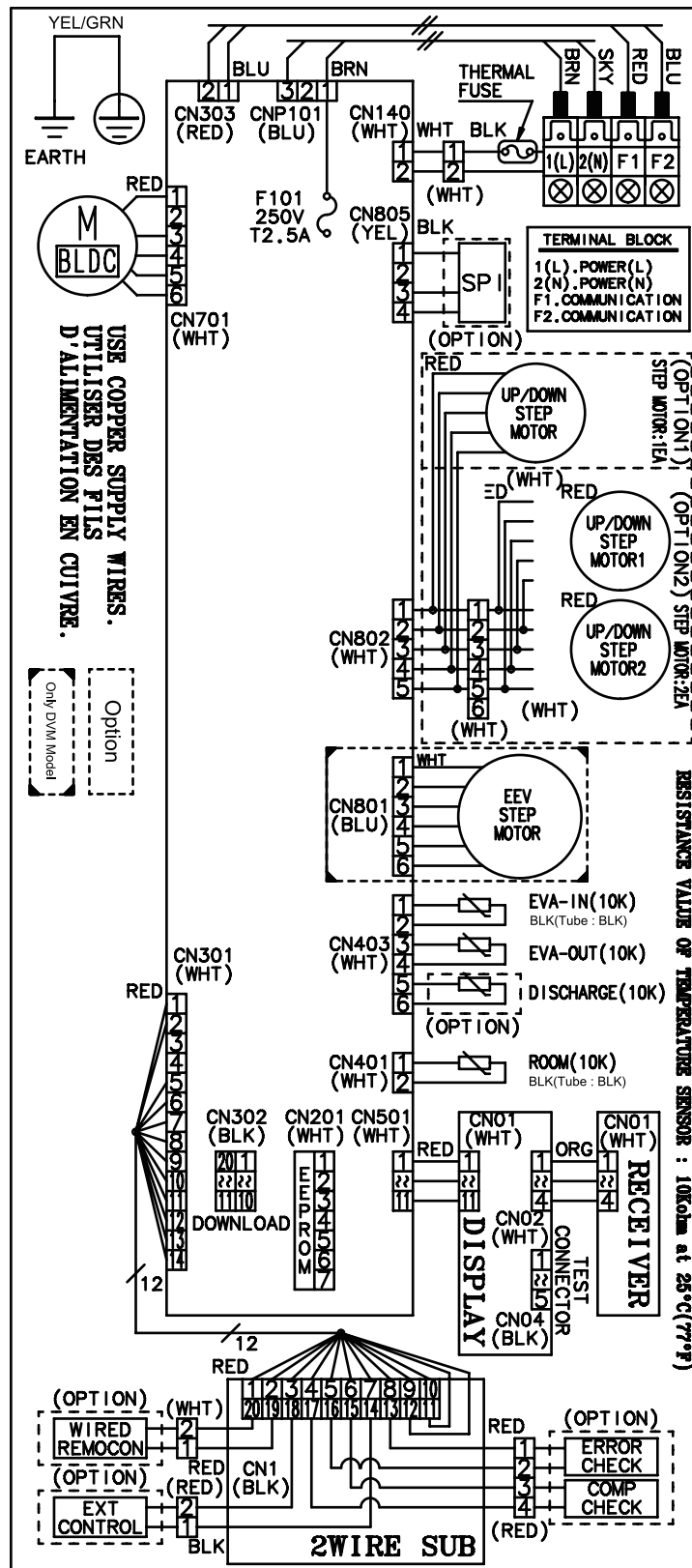
Table of descriptions

1	Refrigerant gas pipe	7	
2	Refrigerant liquid pipe	8	
3	Drain Hole	9	
4	Power & Comm. wiring conduits	10	
5		11	
6		12	

4 Wall-mounted (AR5000)

4-5) Electrical wiring diagram - Indoor

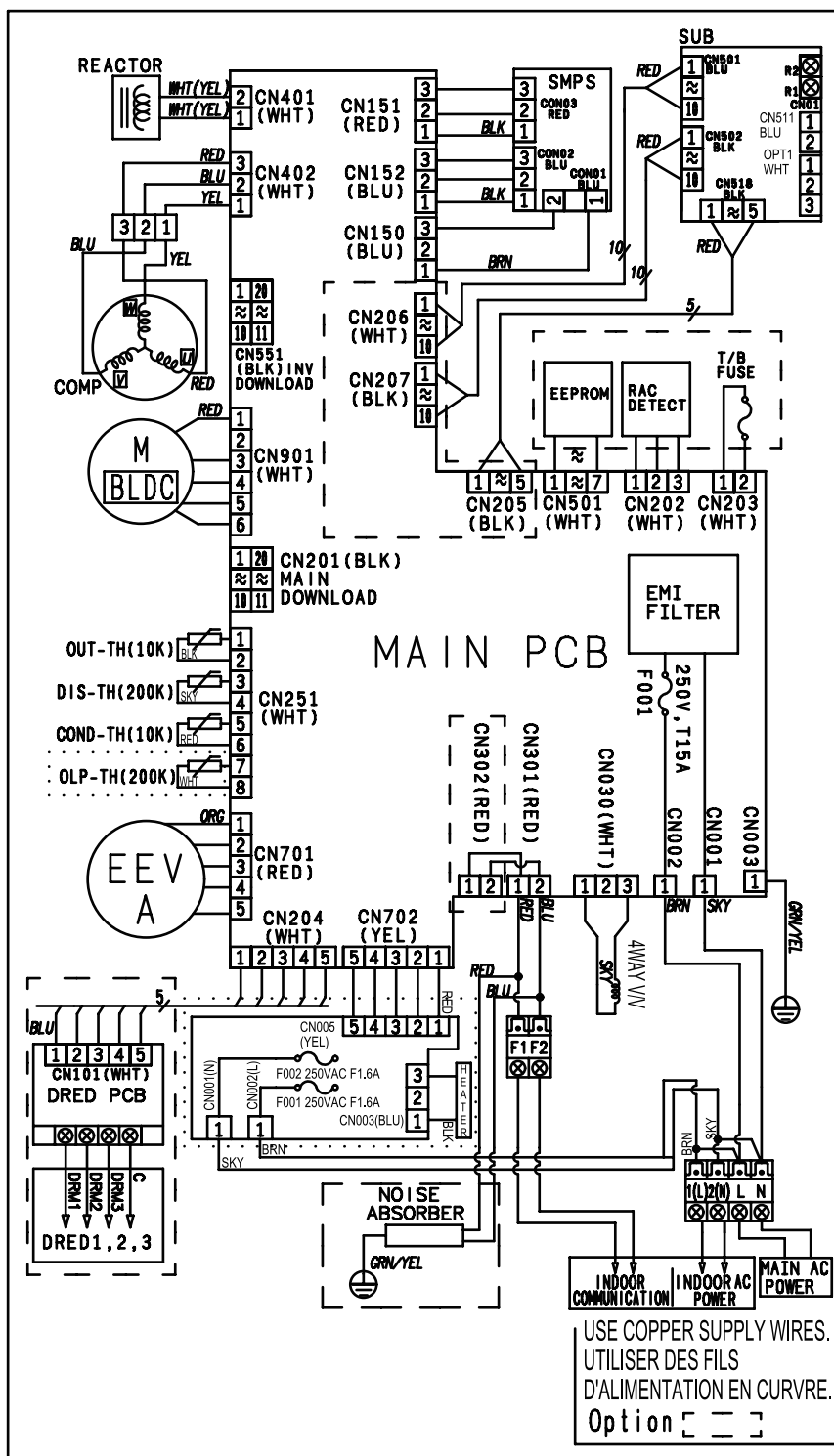
AC026KNADEH/EU, AC035KNADEH/EU, AC071KNADEH/EU



4 Wall-mounted (AR5000)

4-6) Electrical wiring diagram - Outdoor

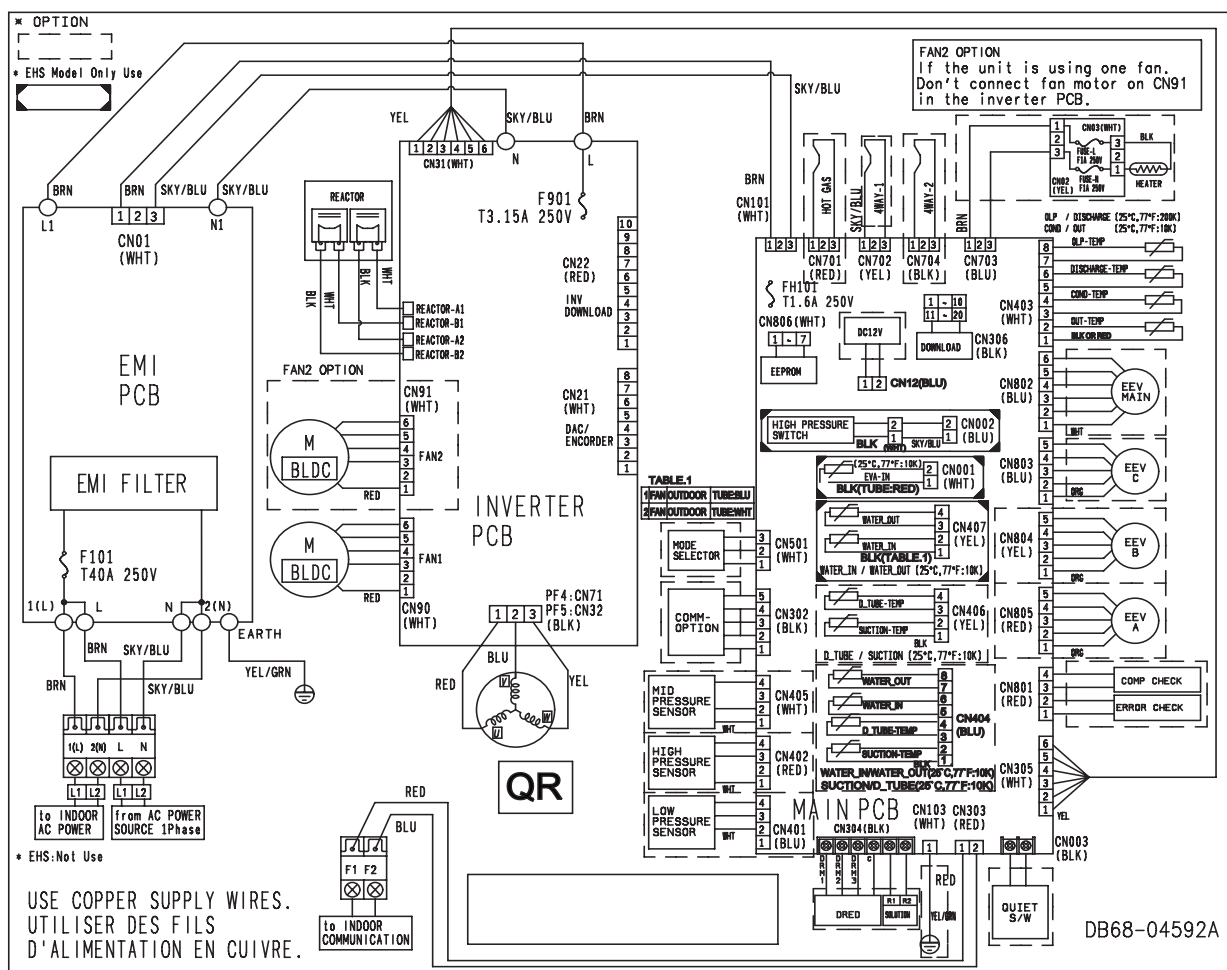
AC026JXSCEH/EU, AC035JXSCEH/EU



4 Wall-mounted (AR5000)

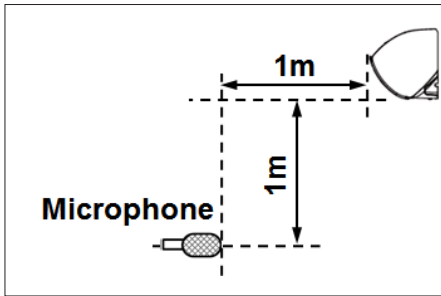
4-6) Electrical wiring diagram - Outdoor

AC071JXSCEH/EU



4 Wall-mounted (AR5000)

4-7) Sound pressure level

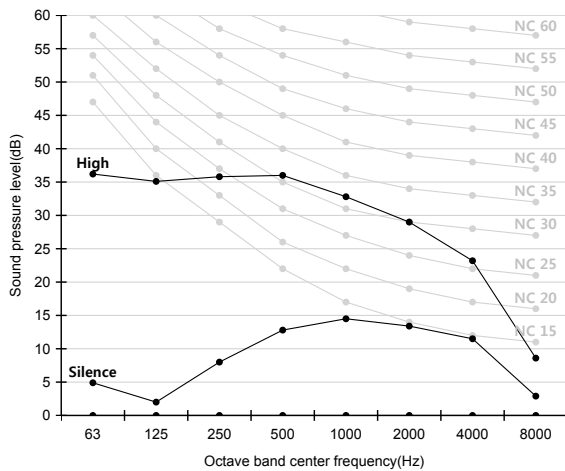


Unit: dB(A)

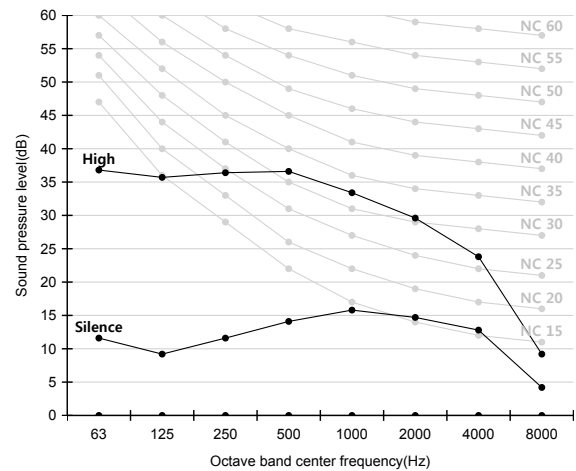
Model	High	Silence
AC026KNADEH/EU (ODU : AC026JXSCEH/EU)	38	19
AC035KNADEH/EU (ODU : AC035JXSCEH/EU)	38	21
AC071KNADEH/EU (ODU : AC071JXSCEH/EU)	43	30

NC curve

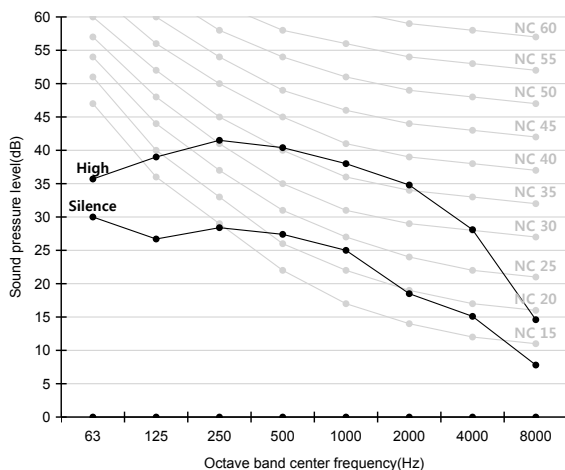
1) AC026KNADEH/EU (ODU : AC026JXSCEH/EU)



2) AC035KNADEH/EU (ODU : AC035JXSCEH/EU)



3) AC071KNADEH/EU (ODU : AC071JXSCEH/EU)

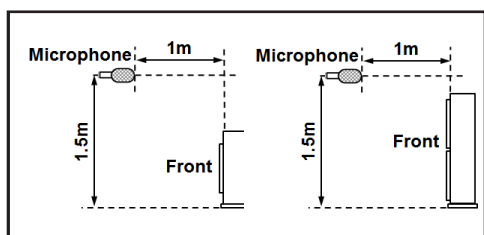


NOTE

- Specifications may be subject to change without prior notice.
- Sound pressure level is obtained in an anechoic room.
- Sound pressure level is a relative value, depending on the distance and acoustic environment.
- Sound pressure level may differ depending on operation condition.
- dBA = A-weighted sound pressure level
- Reference acoustic pressure 0 dB = 20μPa

4 Wall-mounted (AR5000)

4-8) Sound pressure level - Outdoor

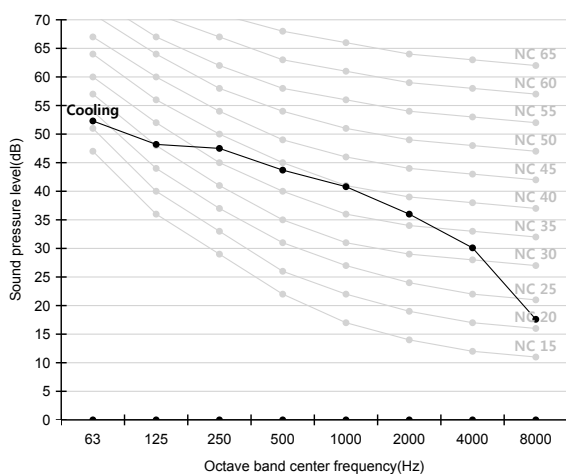


Unit: dB(A)

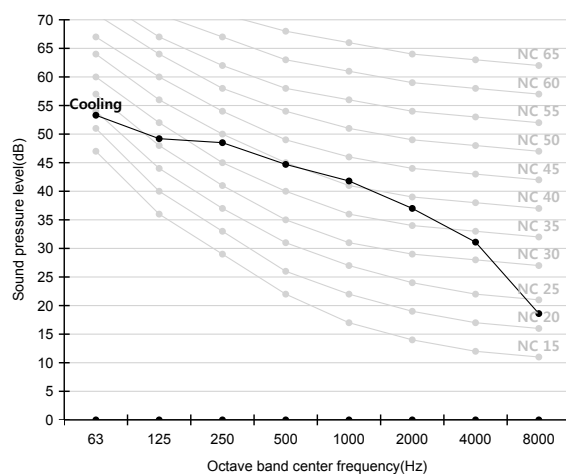
Model	Cooling
AC026JXSCEH/EU (IDU : AC026KNADEH/EU)	46
AC035JXSCEH/EU (IDU : AC035KNADEH/EU)	47
AC071JXSCEH/EU (IDU : AC071KNADEH/EU)	49

NC curve

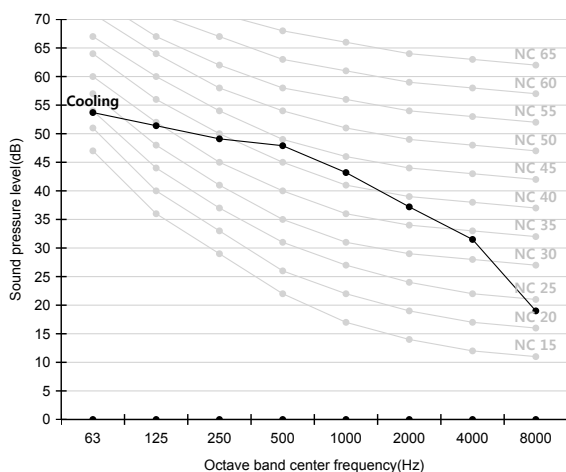
1) AC026JXSCEH/EU (IDU : AC026KNADEH/EU)



2) AC035JXSCEH/EU (IDU : AC035KNADEH/EU)



3) AC071JXSCEH/EU (IDU : AC071KNADEH/EU)



NOTE

- Specifications may be subject to change without prior notice.
- Sound pressure level is obtained in an anechoic room.
- Sound pressure level is a relative value, depending on the distance and acoustic environment.
- Sound pressure level may differ depending on operation condition.
- dBA = A-weighted sound pressure level
- Reference acoustic pressure 0 dB = 20μPa

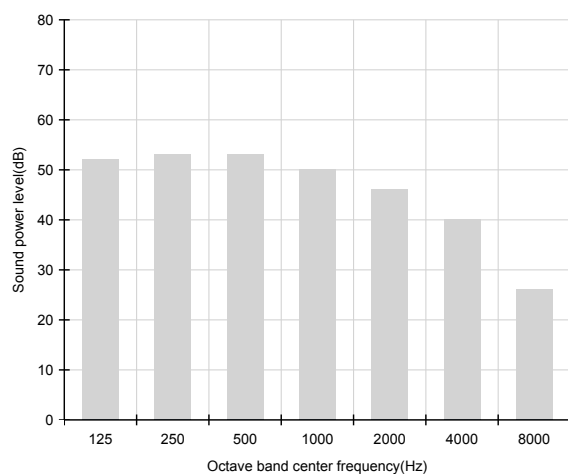
4 Wall-mounted (AR5000)

4-9) Sound power level

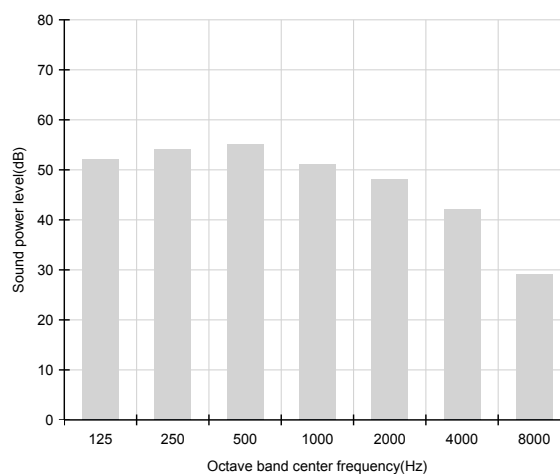
Unit: dB(A)

Model	Power
AC026KNADEH/EU (ODU : AC026JXSCEH/EU)	56
AC035KNADEH/EU (ODU : AC035JXSCEH/EU)	58
AC071KNADEH/EU (ODU : AC071JXSCEH/EU)	61

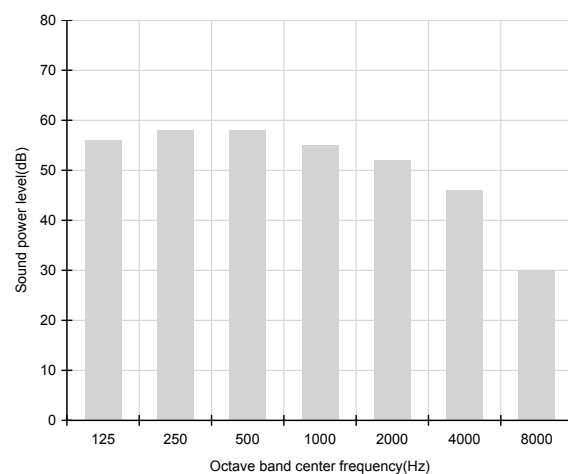
1) AC026KNADEH/EU (ODU : AC026JXSCEH/EU)



2) AC035KNADEH/EU (ODU : AC035JXSCEH/EU)



3) AC071KNADEH/EU (ODU : AC071JXSCEH/EU)



NOTE

- Specifications may be subject to change without prior notice.
- Sound power level is an absolute value that a sound source generates.
- dBA = A-weighted sound power level.
- Reference power : 1pW.
- Measured according to ISO 3741.

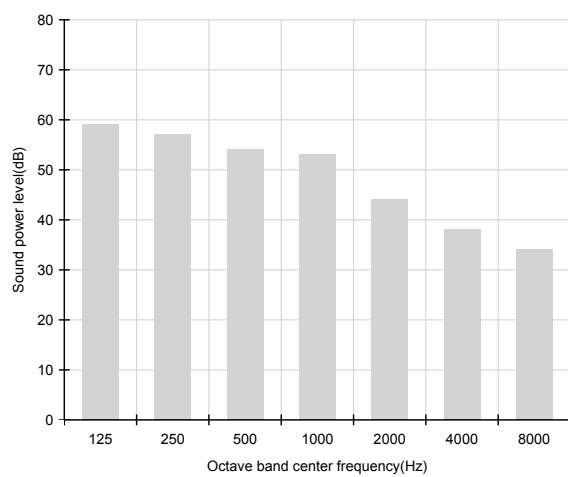
4 Wall-mounted (AR5000)

4-10) Sound power level - Outdoor

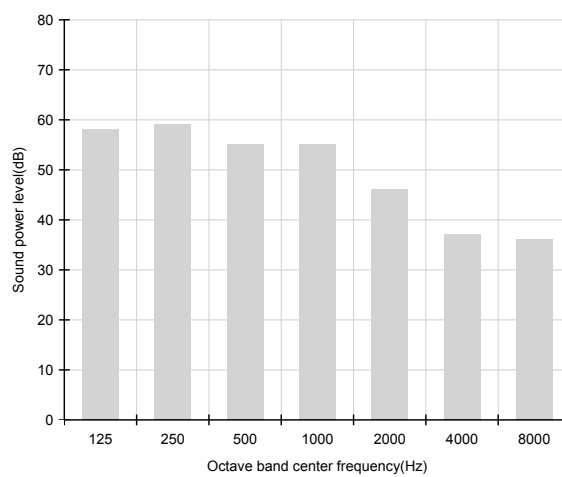
Unit: dB(A)

Model	Power
AC026JXSCEH/EU (IDU : AC026KNADEH/EU)	59
AC035JXSCEH/EU (IDU : AC035KNADEH/EU)	62
AC071JXSCEH/EU (IDU : AC071KNADEH/EU)	65

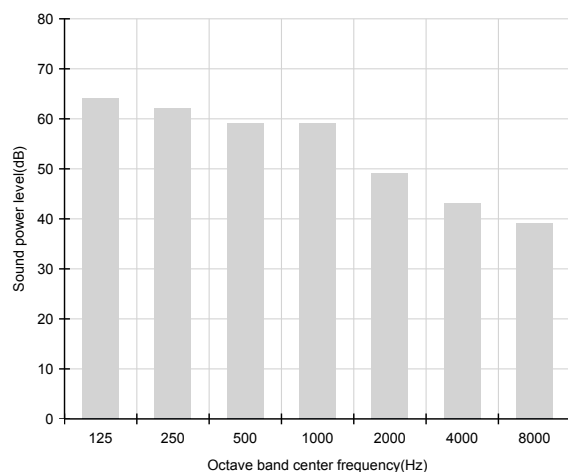
1) AC026JXSCEH/EU (IDU : AC026KNADEH/EU)



2) AC035JXSCEH/EU (IDU : AC035KNADEH/EU)



3) AC071JXSCEH/EU (IDU : AC071KNADEH/EU)



NOTE

- Specifications may be subject to change without prior notice.
- Sound power level is an absolute value that a sound source generates.
- dBA = A-weighted sound power level.
- Reference power : 1pW.
- Measured according to ISO 3741.

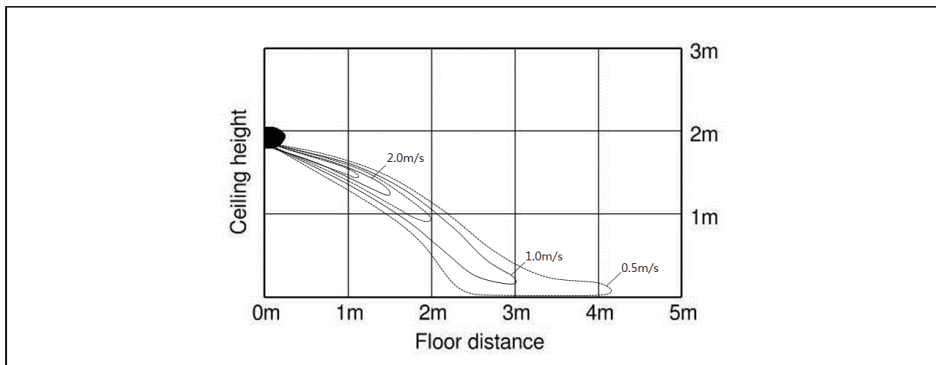
4 Wall-mounted (AR5000)

4-11) Temperature and air flow distribution

AC026KNADEH/EU

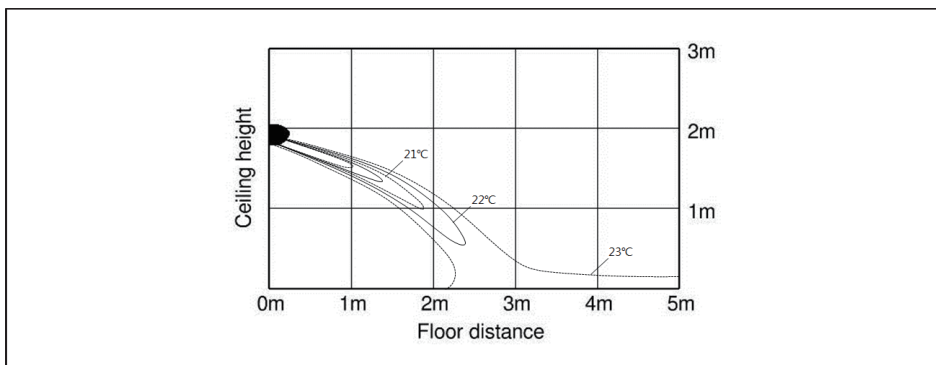
(1) Cooling air velocity distribution

Discharge angle : 18°



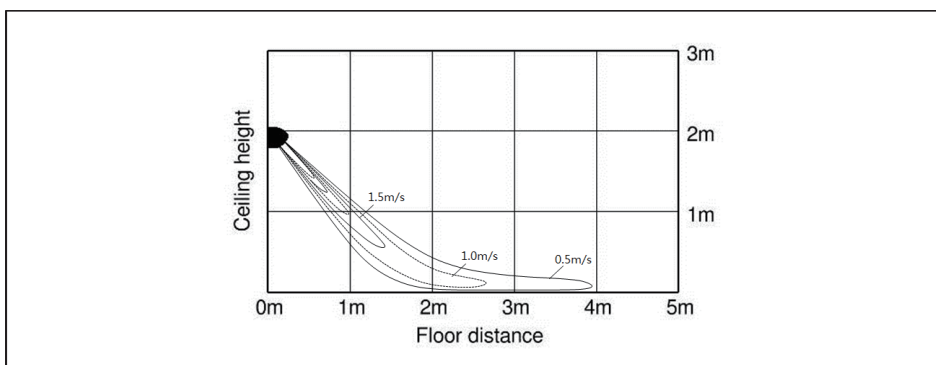
(2) Cooling temperature distribution

Discharge angle : 18°



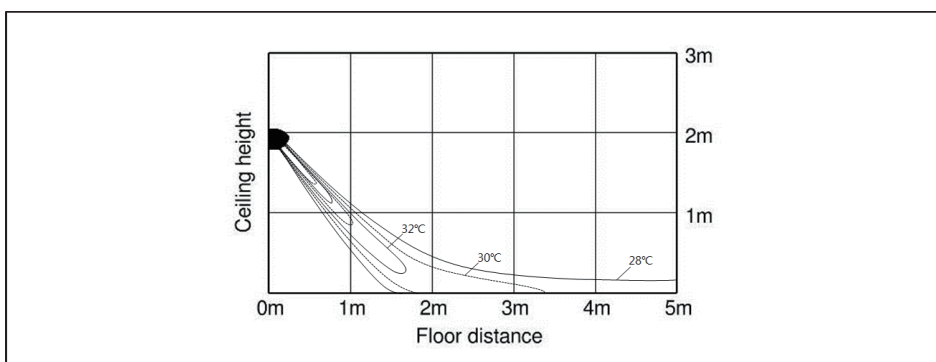
(3) Heating air velocity distribution

Discharge angle : 46°



(4) Heating temperature distribution

Discharge angle : 46°



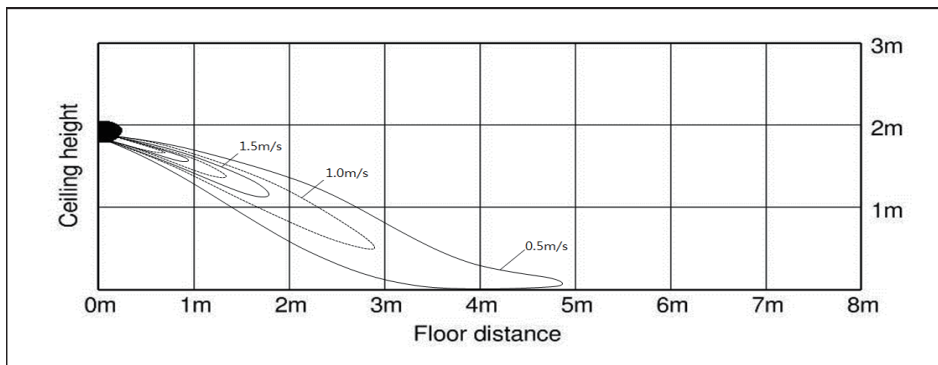
4 Wall-mounted (AR5000)

4-11) Temperature and air flow distribution

AC035KNADEH/EU

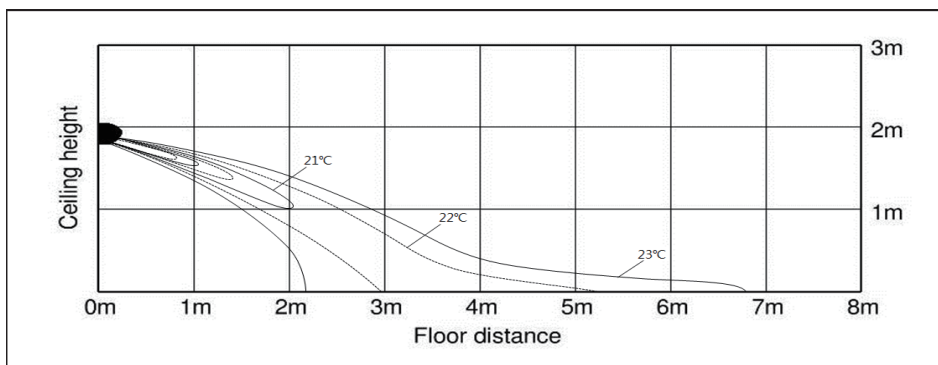
(1) Cooling air velocity distribution

Discharge angle : 18°



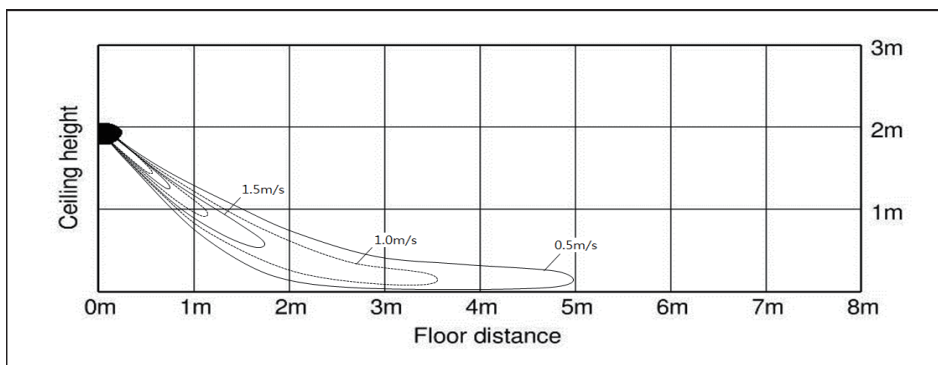
(2) Cooling temperature distribution

Discharge angle : 18°



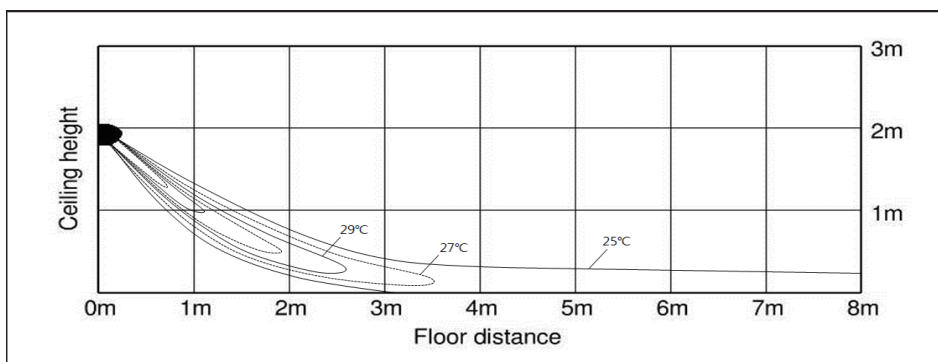
(3) Heating air velocity distribution

Discharge angle : 46°



(4) Heating temperature distribution

Discharge angle : 46°



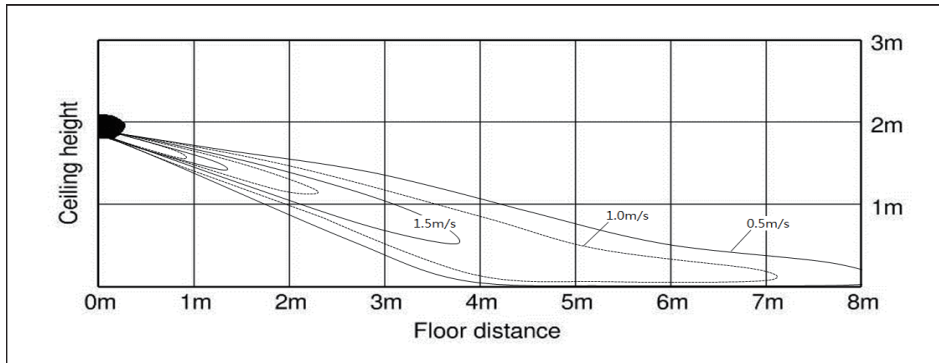
4 Wall-mounted (AR5000)

4-11) Temperature and air flow distribution

AC071KNADEH/EU

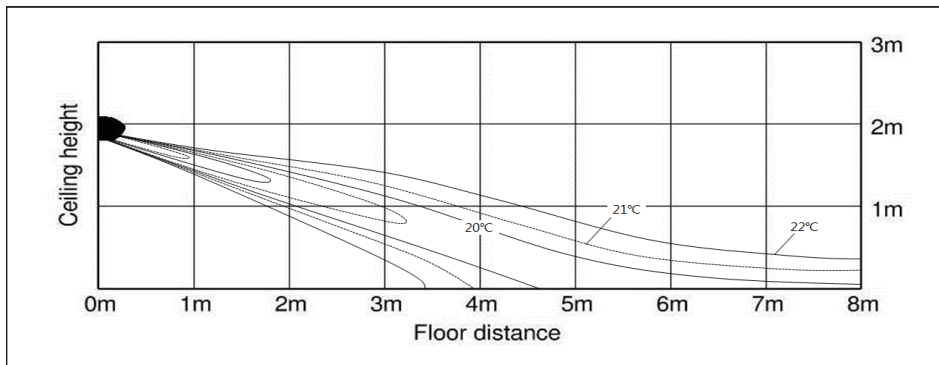
(1) Cooling air velocity distribution

Discharge angle : 18°



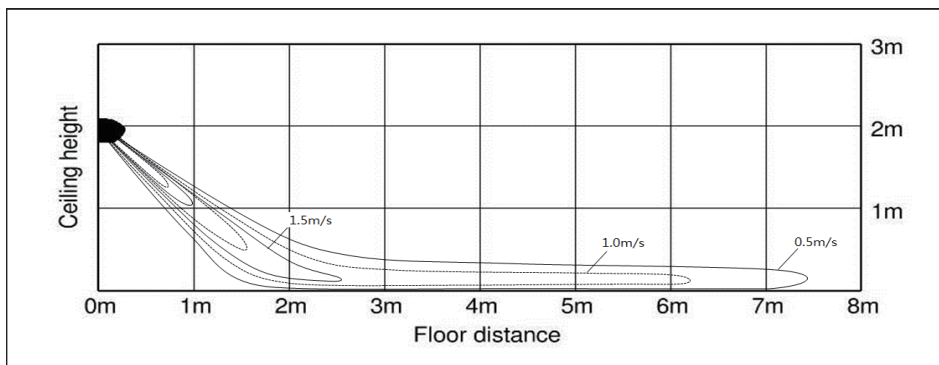
(2) Cooling temperature distribution

Discharge angle : 18°



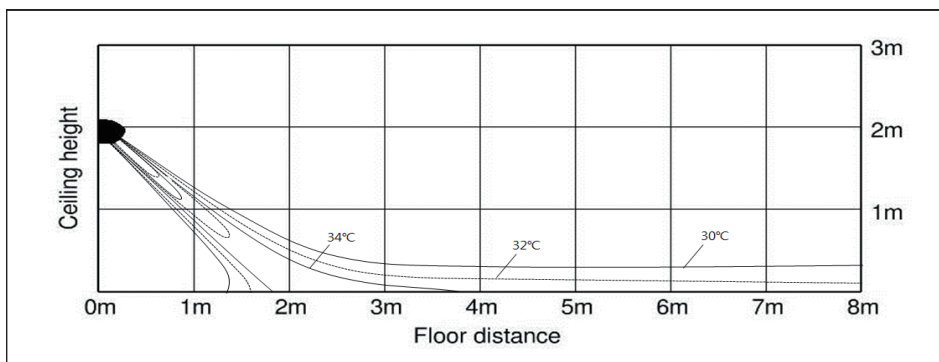
(3) Heating air velocity distribution

Discharge angle : 46°



(4) Heating temperature distribution

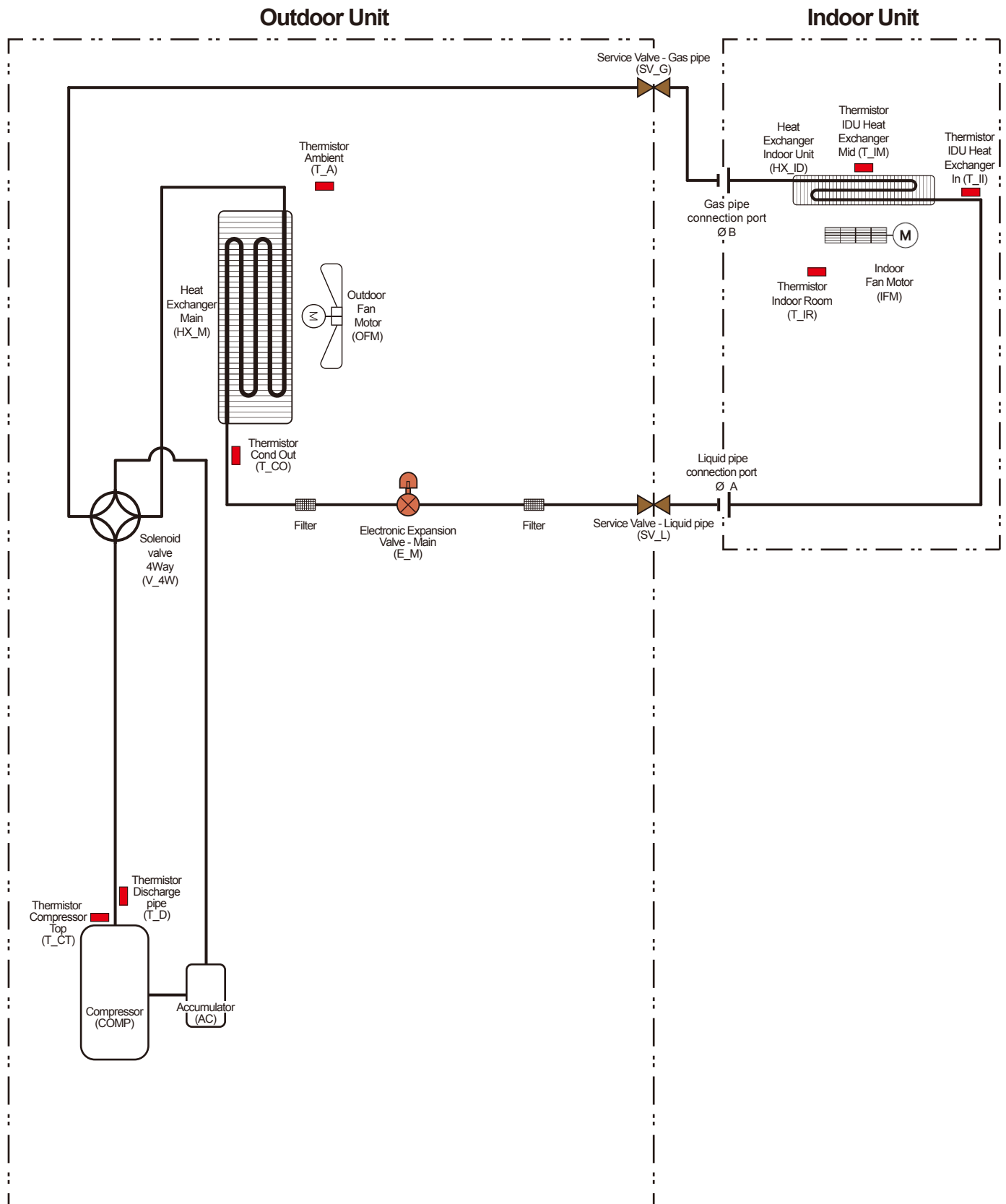
Discharge angle : 46°



4 Wall-mounted (AR5000)

4-12) Cycle diagram

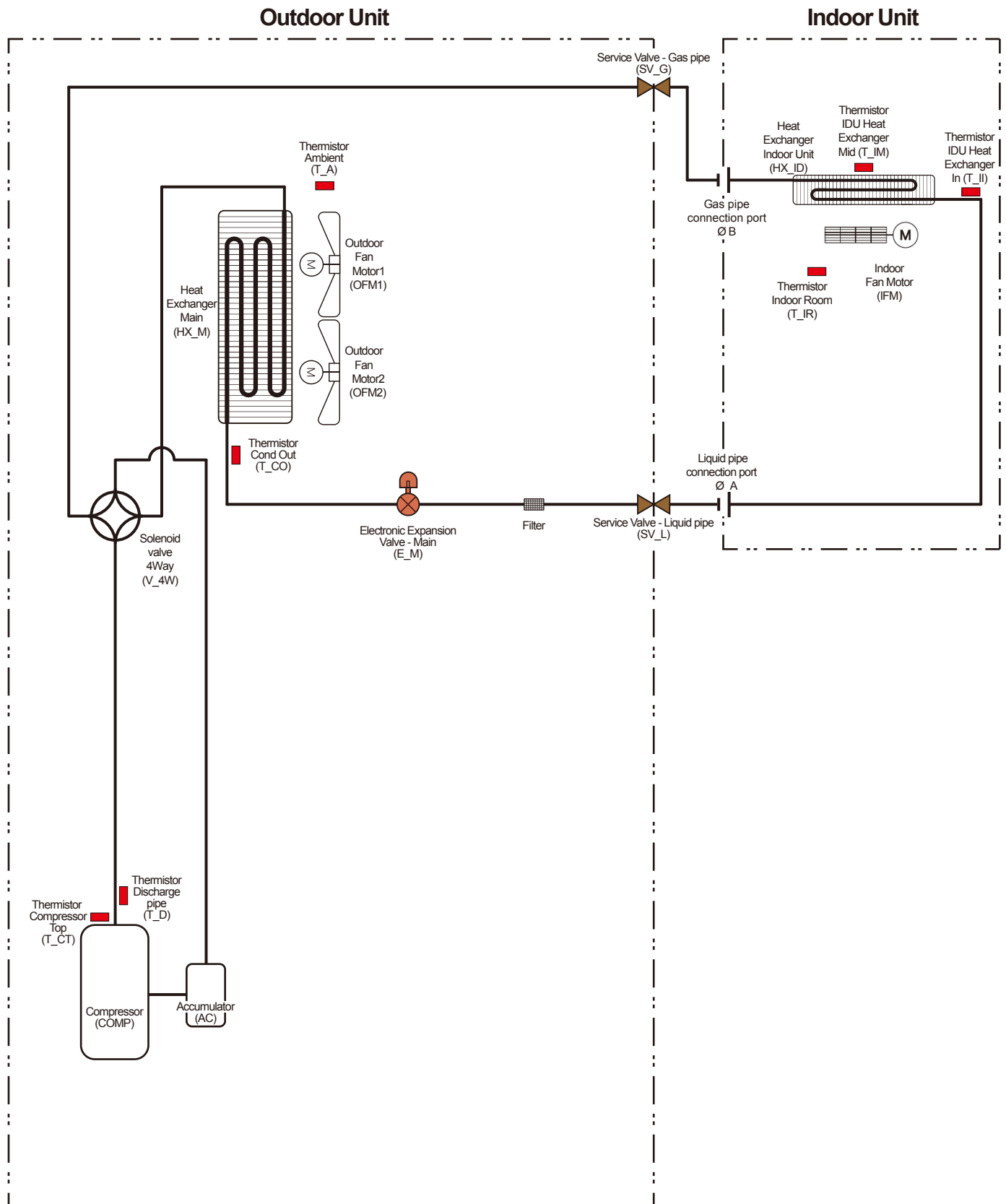
AC026JXSCEH/EU, AC035JXSCEH/EU



4 Wall-mounted (AR5000)

4-12) Cycle diagram

AC071JXSCEH/EU



4 Wall-mounted (AR5000)

4-13) Capacity correction

AC026KNADEH/EU + AC026JXSCEH/EU

Cooling



		Pipe Length (m)			
		5	10	15	20
Level Difference (m)	15	-	-	97.00	96.00
	10	-	98.00	97.00	96.00
	5	100.00	98.00	97.00	96.00
	0	100.00	98.00	97.00	96.00
	-5	100.00	97.00	96.00	96.00
	-10	-	97.00	96.00	95.00
	-15	-	-	96.00	94.00

Heating



		Pipe Length (m)			
		5	10	15	20
Level Difference (m)	15	-	-	96.00	94.00
	10	-	98.00	96.00	94.00
	5	100.00	98.00	96.00	94.00
	0	100.00	98.00	96.00	94.00
	-5	100.00	98.00	96.00	94.00
	-10	-	98.00	96.00	94.00
	-15	-	-	96.00	94.00

AC035KNADEH/EU + AC035JXSCEH/EU

Cooling



		Pipe Length (m)			
		5	10	15	20
Level Difference (m)	15	-	-	97.00	96.00
	10	-	98.00	97.00	96.00
	5	100.00	98.00	97.00	96.00
	0	100.00	98.00	97.00	96.00
	-5	100.00	97.00	96.00	96.00
	-10	-	97.00	96.00	95.00
	-15	-	-	96.00	94.00

Heating



		Pipe Length (m)			
		5	10	15	20
Level Difference (m)	15	-	-	96.00	94.00
	10	-	98.00	96.00	94.00
	5	100.00	98.00	96.00	94.00
	0	100.00	98.00	96.00	94.00
	-5	100.00	98.00	96.00	94.00
	-10	-	98.00	96.00	94.00
	-15	-	-	96.00	94.00

4 Wall-mounted (AR5000)

4-13) Capacity correction

AC071KNADEH/EU + AC071JXSCEH/EU

Cooling



		Pipe Length (m)														
		5	10	15	20	25	30	35	40	45	50	55	60	65	70	75
Level Difference (m)	30	-	-	-	-	-	96.00	96.00	95.00	94.00	94.00	93.00	92.00	91.00	91.00	90.00
	25	-	-	-	-	97.00	96.00	96.00	95.00	94.00	94.00	93.00	92.00	91.00	91.00	90.00
	20	-	-	-	98.00	97.00	96.00	96.00	95.00	94.00	94.00	93.00	92.00	91.00	91.00	90.00
	15	-	-	99.00	98.00	97.00	96.00	96.00	95.00	94.00	94.00	93.00	92.00	91.00	91.00	90.00
	10	-	99.00	99.00	98.00	97.00	96.00	96.00	95.00	94.00	94.00	93.00	92.00	91.00	91.00	90.00
	5	100.00	99.00	99.00	98.00	97.00	96.00	96.00	95.00	94.00	94.00	93.00	92.00	91.00	91.00	90.00
	0	100.00	99.00	99.00	98.00	97.00	96.00	96.00	95.00	94.00	94.00	93.00	92.00	91.00	91.00	90.00
	-5	100.00	99.00	98.00	98.00	97.00	96.00	95.00	95.00	94.00	93.00	93.00	92.00	91.00	90.00	88.00
	-10	-	99.00	98.00	97.00	97.00	96.00	95.00	95.00	94.00	93.00	92.00	91.00	90.00	89.00	87.00
	-15	-	-	98.00	97.00	96.00	96.00	95.00	94.00	94.00	93.00	92.00	91.00	90.00	88.00	85.00
	-20	-	-	-	97.00	96.00	95.00	95.00	94.00	93.00	92.00	92.00	90.00	89.00	87.00	83.00
	-25	-	-	-	-	96.00	95.00	94.00	94.00	93.00	92.00	91.00	90.00	88.00	86.00	82.00
	-30	-	-	-	-	-	95.00	94.00	94.00	93.00	92.00	91.00	90.00	88.00	85.00	80.00

Heating



		Pipe Length (m)														
		5	10	15	20	25	30	35	40	45	50	55	60	65	70	75
Level Difference (m)	30	-	-	-	-	-	96.00	96.00	95.00	94.00	94.00	93.00	92.00	91.00	91.00	90.00
	25	-	-	-	-	97.00	96.00	96.00	95.00	94.00	94.00	93.00	92.00	91.00	91.00	90.00
	20	-	-	-	98.00	97.00	96.00	96.00	95.00	94.00	94.00	93.00	92.00	91.00	91.00	90.00
	15	-	-	99.00	98.00	97.00	96.00	96.00	95.00	94.00	94.00	93.00	92.00	91.00	91.00	90.00
	10	-	99.00	99.00	98.00	97.00	96.00	96.00	95.00	94.00	94.00	93.00	92.00	91.00	91.00	90.00
	5	100.00	99.00	99.00	98.00	97.00	96.00	96.00	95.00	94.00	94.00	93.00	92.00	91.00	91.00	90.00
	0	100.00	99.00	99.00	98.00	97.00	96.00	96.00	95.00	94.00	94.00	93.00	92.00	91.00	91.00	90.00
	-5	100.00	99.00	99.00	98.00	97.00	96.00	96.00	95.00	94.00	94.00	93.00	92.00	91.00	91.00	90.00
	-10	-	99.00	99.00	98.00	97.00	96.00	96.00	95.00	94.00	94.00	93.00	92.00	91.00	91.00	90.00
	-15	-	-	99.00	98.00	97.00	96.00	96.00	95.00	94.00	94.00	93.00	92.00	91.00	91.00	90.00
	-20	-	-	-	98.00	97.00	96.00	96.00	95.00	94.00	94.00	93.00	92.00	91.00	91.00	90.00
	-25	-	-	-	-	97.00	96.00	96.00	95.00	94.00	94.00	93.00	92.00	91.00	91.00	90.00
	-30	-	-	-	-	-	96.00	96.00	95.00	94.00	94.00	93.00	92.00	91.00	91.00	90.00

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