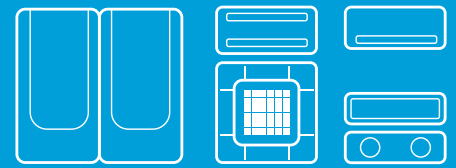


# SINGLE

## Technical Data Book

4Way Cassette S for Nordic (R410A, 50Hz)



**Model : AC\*\*\*JN4CEH/EU (ODU: AC\*\*\*JXSC\*H/EU)**



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# 1 Nomenclature

## Indoor Units

### Model Names

<b>AC</b>	<b>071</b>	<b>J</b>	<b>N</b>	<b>4</b>	<b>C</b>	<b>E</b>	<b>H</b>	/	<b>EU</b>
(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

### (4) Product Type

N	Indoor Unit
X	Outdoor Unit

### (5) Product Notation

1	1Way Cassette
N	4Way Cassette S (600 X 600)
4	4Way Cassette S
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	071	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

### (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 Specifications

## 4 Way Cassette S

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++)	
	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		-	-	-		
	Factory Charging		kg	2.90	2.90		
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	
		Air Flow Rate		High/Mid/Low	CMM	19.50 / 17.50 / 15.50	30.00 / 24.00 / 18.90
					l/s	325.00 / 291.67 / 258.33	500.00 / 400.00 / 315.00
		External Static Pressure		Min/Std/Max	mmAq	-	-
	Drain	Drain Pipe		Ø,mm	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	
		Pressure	High/Mid/Low		36.0 / 33.0 / 30.0	43.0 / 38.0 / 33.0	
	Sound	Power	Cooling	dB(A)	53.0	59.0	
		Net Weight		kg	18.00	20.00	
	External Dimension	Shipping Weight		kg	23.00	25.00	
		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 model		-	PC4NUSKAN	PC4NUSKAN	
	Panel Size	Panel Net Weight		kg	5.80	5.80	
		Shipping Weight		kg	8.40	8.40	
		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		-	-	
		Air Filter	Max. Lifting	mm/liter/h	-	-	
Outdoor Unit	Power Supply			Ø, #, V, Hz	1,2,220-240,50	1,2,220-240,50	
	Compressor	Type		-	Twin BLDC -	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)	49.0 / 49.0	50.0 / 50.0	
		Power	Cooling		65.0	66.0	
	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	-0E.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 level was 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 which is fluorinated greenhouse gas.

# 2 Specifications

## 4 Way Cassette S

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)	kW	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)	A	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)	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		-	-	-		
	Factory Charging		kg	2.90	2.90		
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
			Air Flow Rate		High/Mid/Low	CMM	30.00 / 24.00 / 18.90
					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	43.0 / 38.0 / 33.0	44.0 / 39.0 / 34.0
	Power		Cooling	dB(A)	59.0	60.0	
	External Dimension	Net Weight		kg	20.00	20.00	
		Shipping Weight		kg	25.00	25.00	
		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	5.80	5.80	
		Shipping Weight		kg	8.40	8.40	
		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	Max. Lifting		mm/liter/h	-	-
Air Filter			-	-	-		
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		
Fan	Oil	Type		-	PVE	PVE	
		Air Flow Rate		Cooling	CMM	112.00	112.00
			l/s	1,866.67	1,866.67		
Sound	Pressure	Cooling/Heating		dB(A)	50.0 / 50.0	52.0 / 52.0	
		Power		Cooling	66.0	69.0	
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 level was 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 which is fluorinated greenhouse gas.

# 3 Capacity table

## 4 Way Cassette S

AC071JN4CEH/EU + AC071JXSCEH/EU

### Cooling

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

Outdoor Air Temp. (DB)	Indoor temperature (°C)																	
	20 (DB)			22 (DB)			25 (DB)			27 (DB)			30 (DB)			32 (DB)		
	14 (WB)		PI(kW)	16 (WB)		PI(kW)	18 (WB)		PI(kW)	19 (WB)		PI(kW)	22 (WB)		PI(kW)	24 (WB)		PI(kW)
	TC(kW)	SHC(kW)	PI(kW)	TC(kW)	SHC(kW)	PI(kW)	TC(kW)	SHC(kW)	PI(kW)	TC(kW)	SHC(kW)	PI(kW)	TC(kW)	SHC(kW)	PI(kW)	TC(kW)	SHC(kW)	PI(kW)
-18.0	7.90	6.30	1.37	8.00	6.40	1.41	8.20	6.60	1.44	8.40	6.80	1.48	8.70	6.90	1.51	8.90	7.10	1.55
21.0	8.20	6.50	1.42	8.40	6.70	1.46	8.60	6.90	1.49	8.80	7.00	1.53	9.00	7.20	1.57	9.20	7.40	1.60
35.0	6.60	5.30	1.67	6.80	5.40	1.71	6.90	5.50	1.76	<b>7.10</b>	<b>5.70</b>	<b>1.80</b>	7.30	5.80	1.84	7.40	6.00	1.89
43.0	5.20	4.20	1.92	5.30	4.30	1.97	5.50	4.40	2.02	5.60	4.50	2.07	5.70	4.60	2.12	5.90	4.70	2.17
50.0	4.30	3.40	1.76	4.40	3.50	1.80	4.50	3.60	1.84	4.60	3.70	1.89	4.70	3.80	1.94	4.80	3.90	1.98

### 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	<b>8.00</b>	<b>1.99</b>	7.90	1.97	7.80	1.95	7.70	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 Air Temp. (DB)	Indoor temperature (°C)																	
	20 (DB)			22 (DB)			25 (DB)			27 (DB)			30 (DB)			32 (DB)		
	14 (WB)		PI(kW)	16 (WB)		PI(kW)	18 (WB)		PI(kW)	19 (WB)		PI(kW)	22 (WB)		PI(kW)	24 (WB)		PI(kW)
	TC(kW)	SHC(kW)	PI(kW)	TC(kW)	SHC(kW)	PI(kW)	TC(kW)	SHC(kW)	PI(kW)	TC(kW)	SHC(kW)	PI(kW)	TC(kW)	SHC(kW)	PI(kW)	TC(kW)	SHC(kW)	PI(kW)
-18.0	11.10	8.90	2.09	11.30	9.10	2.14	11.60	9.30	2.19	11.90	9.50	2.25	12.20	9.70	2.30	12.50	10.00	2.36
21.0	11.50	9.20	2.17	11.80	9.40	2.22	12.10	9.70	2.27	12.40	9.90	2.33	12.70	10.20	2.38	13.00	10.40	2.44
35.0	9.30	7.40	2.55	9.50	7.60	2.61	9.80	7.80	2.67	<b>10.00</b>	<b>8.00</b>	<b>2.74</b>	10.20	8.20	2.81	10.50	8.40	2.87
43.0	7.30	5.90	2.93	7.50	6.00	3.00	7.70	6.20	3.08	7.90	6.30	3.15	8.10	6.50	3.23	8.30	6.60	3.30
50.0	6.00	4.80	2.67	6.20	4.90	2.74	6.30	5.10	2.81	6.50	5.20	2.88	6.60	5.30	2.95	6.80	5.40	3.02

### 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	<b>11.20</b>	<b>2.79</b>	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.



# 3 Capacity table

## 4 Way Cassette S

AC100JN4CEH/EU + AC100JXSCGH/EU

### Cooling

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

Outdoor Air Temp. (DB)	Indoor temperature (°C)																	
	20 (DB)			22 (DB)			25 (DB)			27 (DB)			30 (DB)			32 (DB)		
	14 (WB)		PI(kW)	16 (WB)		PI(kW)	18 (WB)		PI(kW)	19 (WB)		PI(kW)	22 (WB)		PI(kW)	24 (WB)		PI(kW)
	TC(kW)	SHC(kW)	PI(kW)	TC(kW)	SHC(kW)	PI(kW)	TC(kW)	SHC(kW)	PI(kW)	TC(kW)	SHC(kW)	PI(kW)	TC(kW)	SHC(kW)	PI(kW)	TC(kW)	SHC(kW)	PI(kW)
-18.0	11.10	8.90	2.09	11.30	9.10	2.14	11.60	9.30	2.19	11.90	9.50	2.25	12.20	9.70	2.30	12.50	10.00	2.36
21.0	11.50	9.20	2.17	11.80	9.40	2.22	12.10	9.70	2.27	12.40	9.90	2.33	12.70	10.20	2.38	13.00	10.40	2.44
35.0	9.30	7.40	2.55	9.50	7.60	2.61	9.80	7.80	2.67	<b>10.00</b>	<b>8.00</b>	<b>2.74</b>	10.20	8.20	2.81	10.50	8.40	2.87
43.0	7.30	5.90	2.93	7.50	6.00	3.00	7.70	6.20	3.08	7.90	6.30	3.15	8.10	6.50	3.23	8.30	6.60	3.30
50.0	6.00	4.80	2.67	6.20	4.90	2.74	6.30	5.10	2.81	6.50	5.20	2.88	6.60	5.30	2.95	6.80	5.40	3.02

### 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	<b>11.20</b>	<b>2.79</b>	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 Air Temp. (DB)	Indoor temperature (°C)																	
	20 (DB)			22 (DB)			25 (DB)			27 (DB)			30 (DB)			32 (DB)		
	14 (WB)		PI(kW)	16 (WB)		PI(kW)	18 (WB)		PI(kW)	19 (WB)		PI(kW)	22 (WB)		PI(kW)	24 (WB)		PI(kW)
	TC(kW)	SHC(kW)	PI(kW)	TC(kW)	SHC(kW)	PI(kW)	TC(kW)	SHC(kW)	PI(kW)	TC(kW)	SHC(kW)	PI(kW)	TC(kW)	SHC(kW)	PI(kW)	TC(kW)	SHC(kW)	PI(kW)
-18.0	13.80	11.10	2.97	14.20	11.30	3.04	14.50	11.60	3.11	14.90	11.90	3.19	15.20	12.20	3.27	15.60	12.50	3.34
21.0	14.40	11.50	3.07	14.80	11.80	3.15	15.10	12.10	3.23	15.50	12.40	3.31	15.90	12.70	3.39	16.30	13.00	3.47
35.0	11.60	9.30	3.62	11.90	9.50	3.71	12.20	9.80	3.80	<b>12.50</b>	<b>10.00</b>	<b>3.89</b>	12.80	10.20	3.98	13.10	10.50	4.08
43.0	9.20	7.30	4.16	9.40	7.50	4.26	9.60	7.70	4.37	9.90	7.90	4.47	10.10	8.10	4.58	10.40	8.30	4.69
52.0	7.50	6.00	3.80	7.70	6.20	3.89	7.90	6.30	3.99	8.10	6.50	4.08	8.30	6.60	4.18	8.50	6.80	4.28

### 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	<b>14.00</b>	<b>3.77</b>	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;

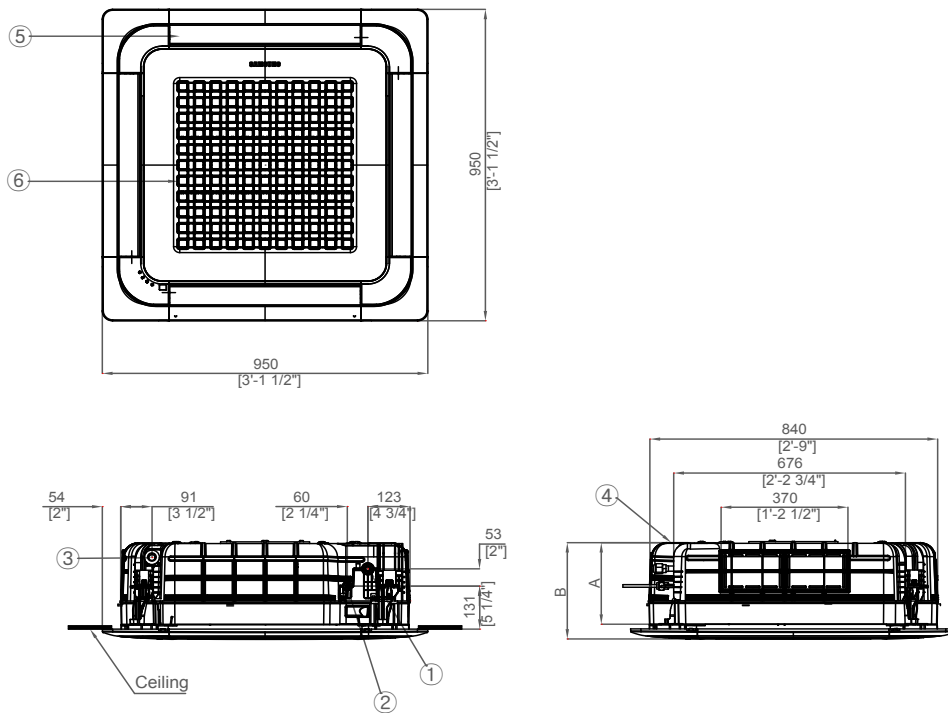
- . Heating mode outdoor air : 85%RH. However, the condition rated capacity is 7°C DB / 6°C WB.
- . Refrigerant piping length : 5m
- . Level difference : 0m.

# 4 Dimensional drawing

## 4 Way Cassette S

AC071JN4CEH/EU, AC100JN4CEH/EU, AC125JN4CEH/EU

Units : mm / inches



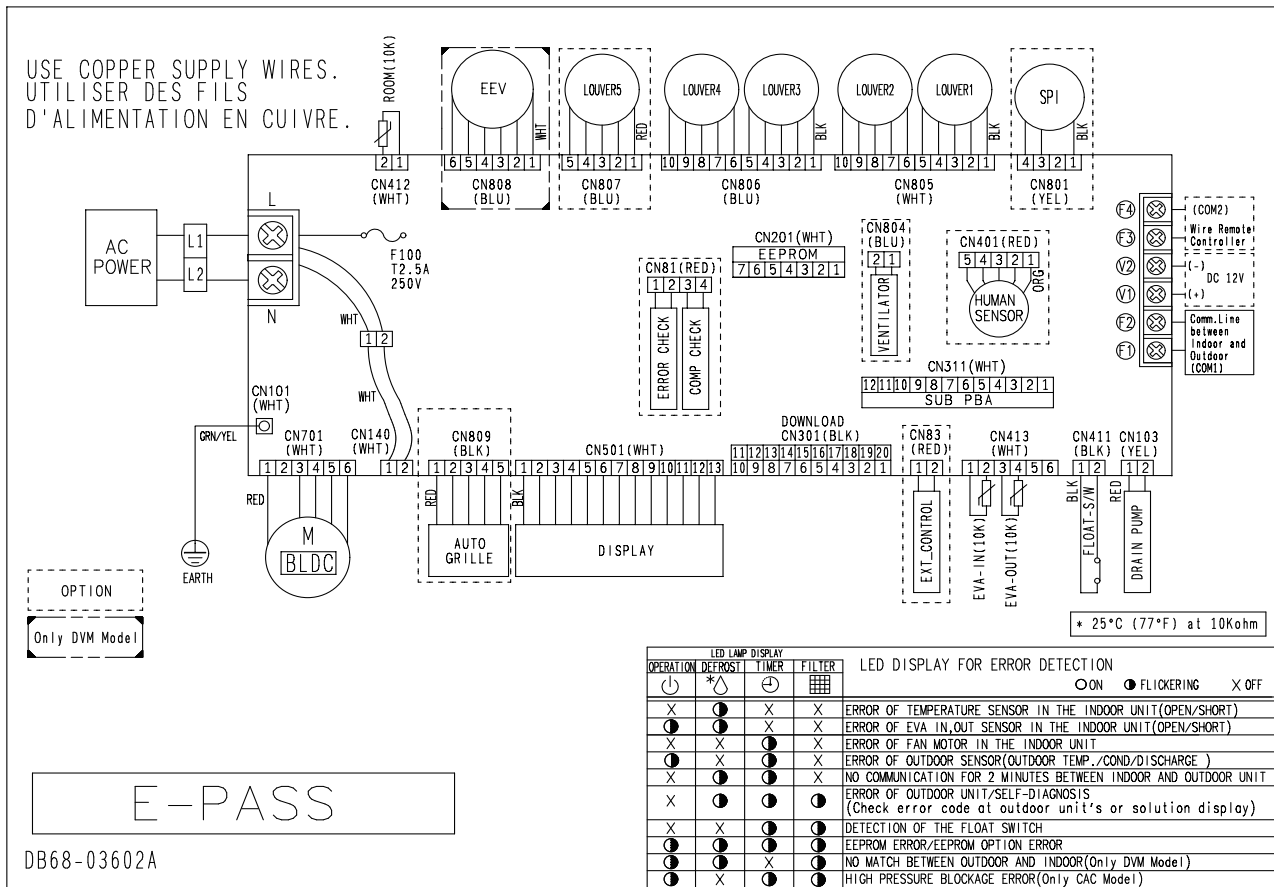
	Description
	7.1kW, 10kW, 12.5kW
A (mm)	288
B (mm)	337

Table of descriptions			
1	Refrigerant gas pipe	7	
2	Refrigerant liquid pipe	8	
3	Condensate drain	9	
4	Power & Comm. wiring conduits	10	
5	Air outlet louver		
6	Air inlet grille		

# 5 Electrical wiring diagram

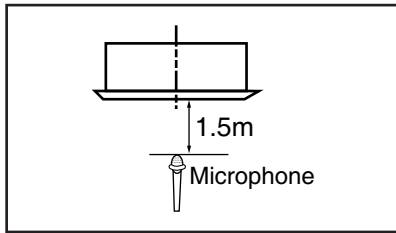
## 4 Way Cassette S

AC071JN4CEH/EU, AC100JN4CEH/EU, AC125JN4CEH/EU



# 6 Sound pressure level

## 4 Way Cassette S



Unit: dB(A)

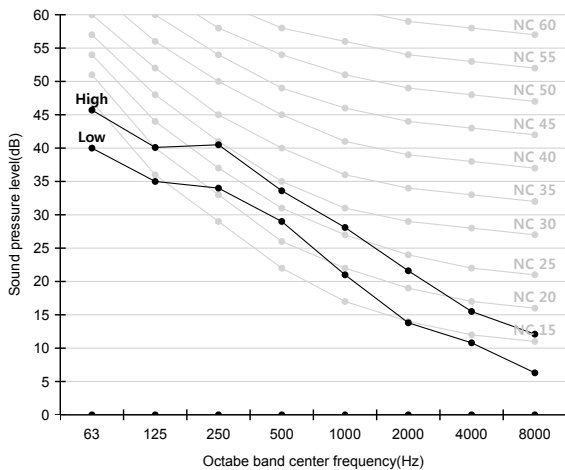
Model	High	Low
AC071JN4CEH/EU (ODU : AC071JXSCEH/EU)	36.0	30.0
AC100JN4CEH/EU (ODU : AC100JXSCEH/EU)	43.0	33.0
AC100JN4CEH/EU (ODU : AC100JXSCGH/EU)	43.0	33.0
AC125JN4CEH/EU (ODU : AC125JXSCGH/EU)	44.0	34.0

### Note

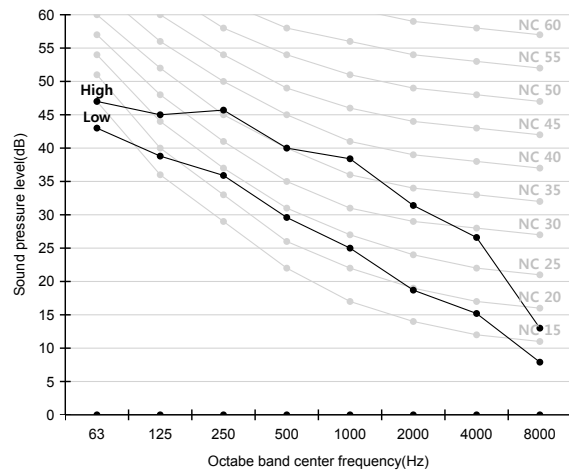
- > Measuring place: Anechoic chamber (conversion value)
- > These operation values were obtained in an anechoic room. Sound pressure level will vary depending on a range of factors such as the construction of the particular room where the equipment is installed.
- > Operation sound level may differ depending on operation and ambient conditions.)

## NC curve

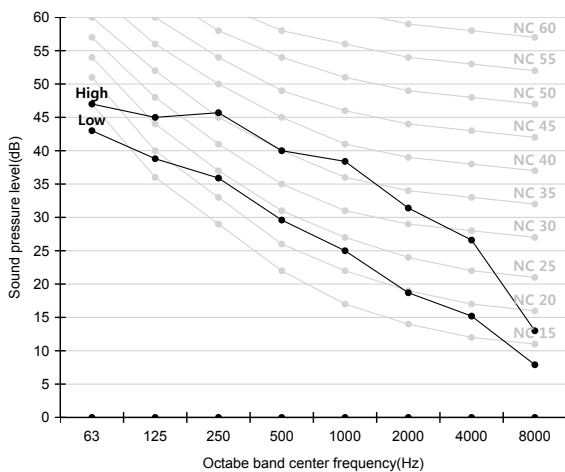
1) AC071JN4CEH/EU (ODU : AC071JXSCEH/EU)



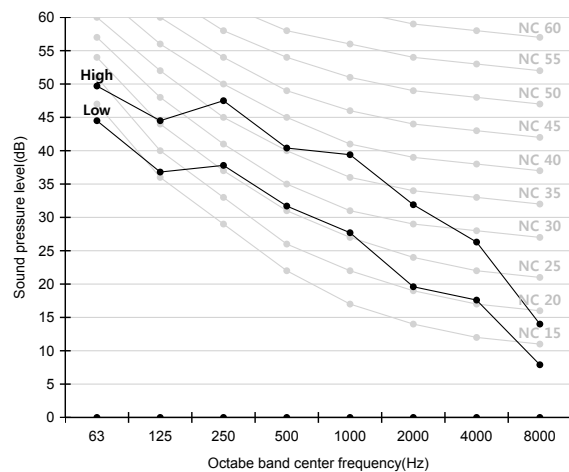
2) AC100JN4CEH/EU (ODU : AC100JXSCEH/EU)



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



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



# 7 Sound power level

## 4 Way Cassette S

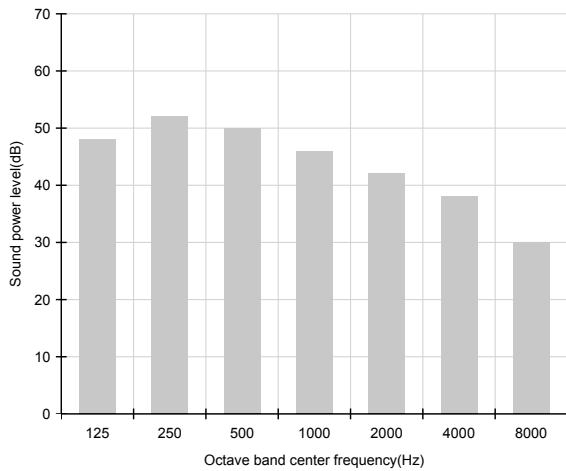
### Note

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

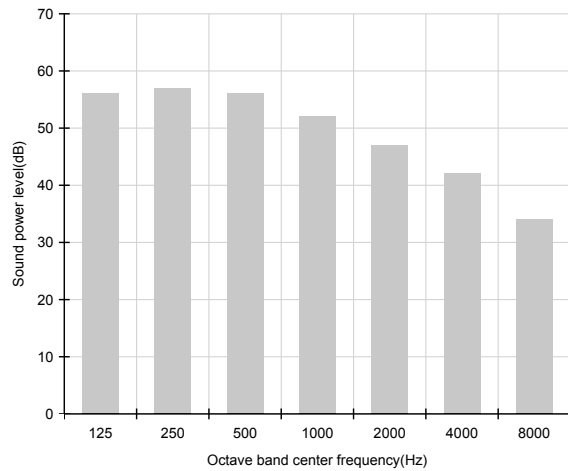
Unit: dB(A)

Model	Power
AC071JN4CEH/EU (ODU : AC071JXSCEH/EU)	53.0
AC100JN4CEH/EU (ODU : AC100JXSCEH/EU)	59.0
AC100JN4CEH/EU (ODU : AC100JXSCGH/EU)	59.0
AC125JN4CEH/EU (ODU : AC125JXSCGH/EU)	60.0

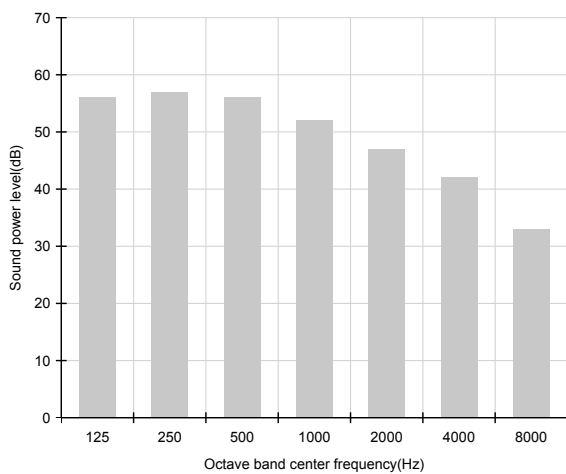
1) AC071JN4CEH/EU (ODU : AC071JXSCEH/EU)



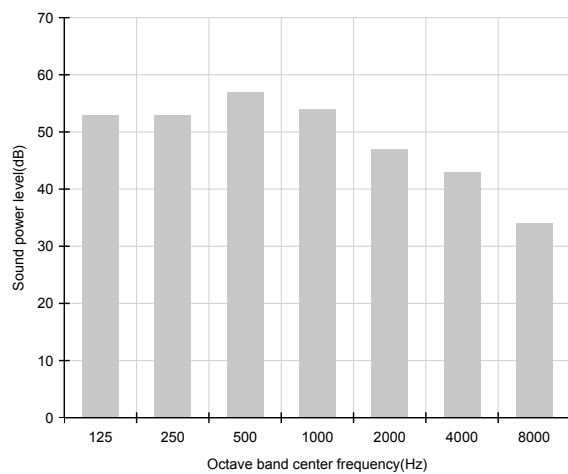
2) AC100JN4CEH/EU (ODU : AC100JXSCEH/EU)



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



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



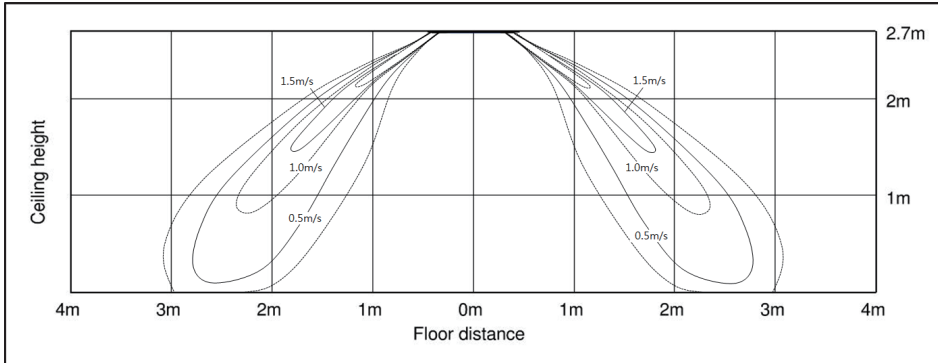
# 8 Temperature and air flow distribution

## 4 Way Cassette S

AC071JN4CEH/EU

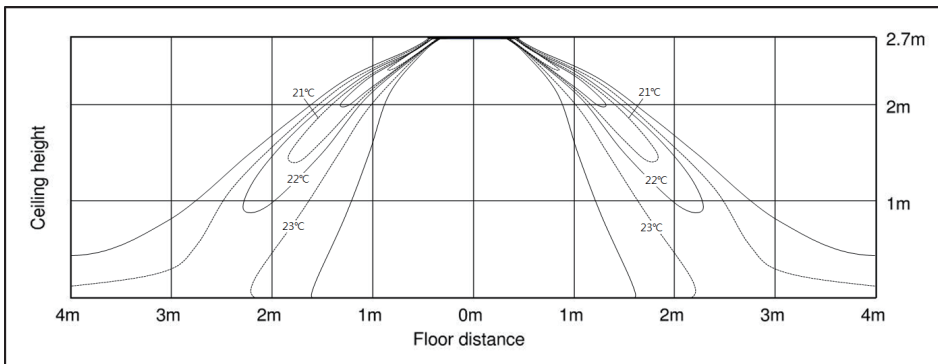
### (1) Cooling air velocity distribution

Discharge angle : 37°



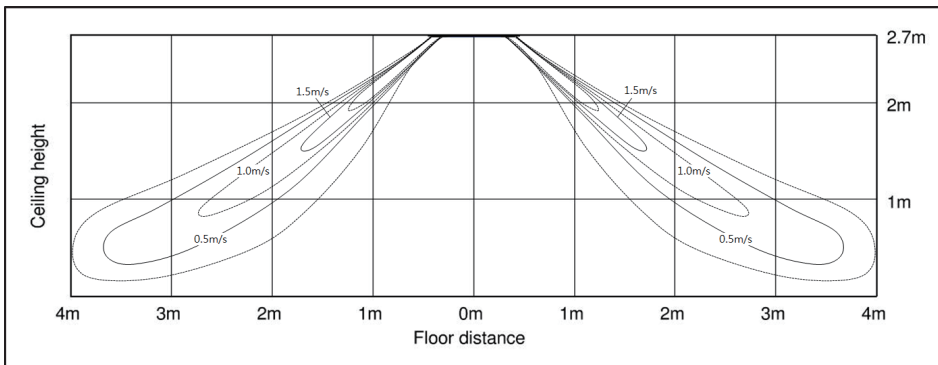
### (2) Cooling temperature distribution

Discharge angle : 37°



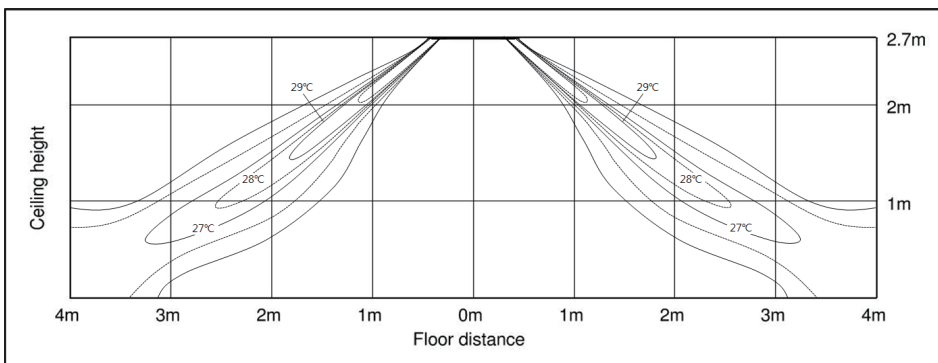
### (3) Heating air velocity distribution

Discharge angle : 43°



### (4) Heating temperature distribution

Discharge angle : 43°

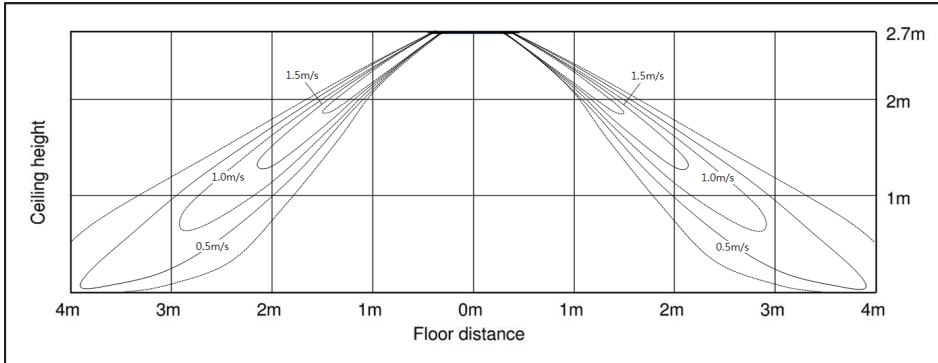


# 8 Temperature and air flow distribution

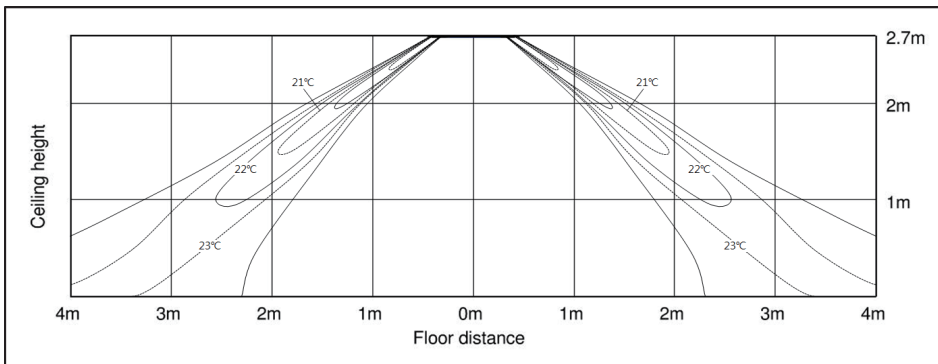
## 4 Way Cassette S

AC100JN4CEH/EU

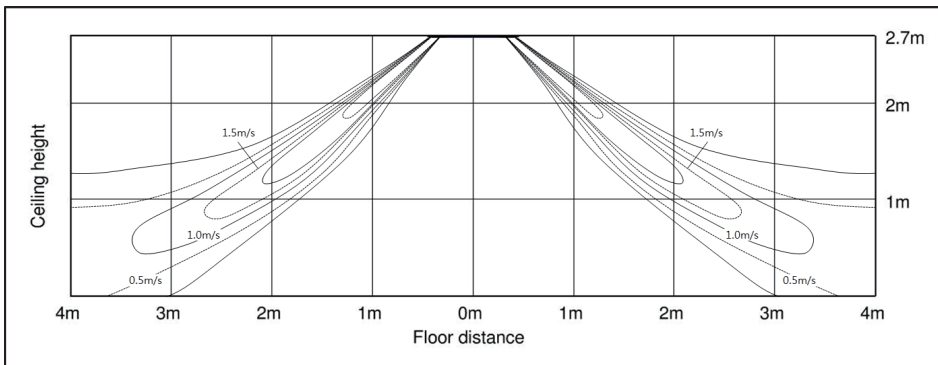
### (1) Cooling air velocity distribution



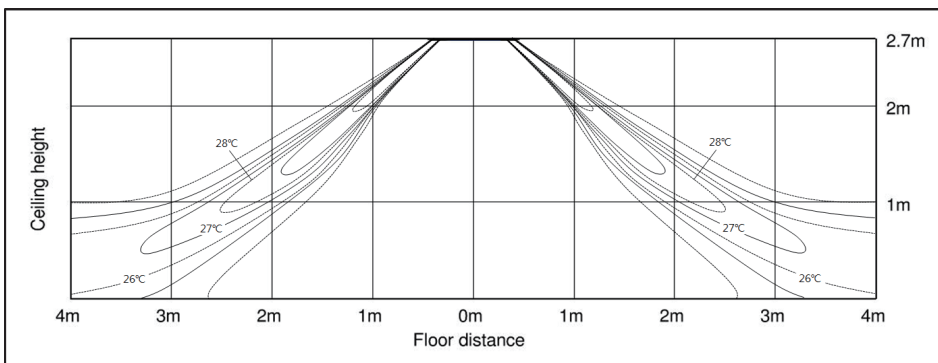
### (2) Cooling temperature distribution



### (3) Heating air velocity distribution



### (4) Heating temperature distribution



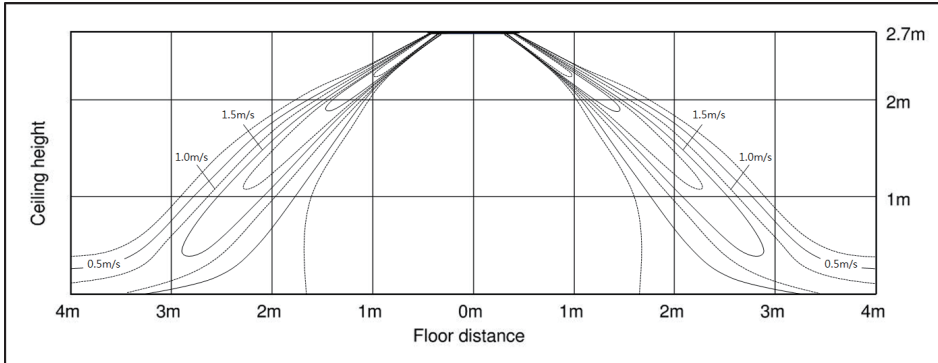
# 8 Temperature and air flow distribution

## 4 Way Cassette S

AC125JN4CEH/EU

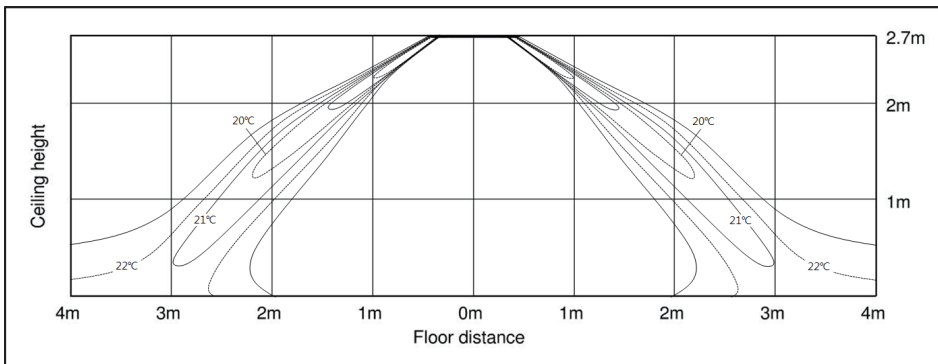
### (1) Cooling air velocity distribution

Discharge angle : 37°



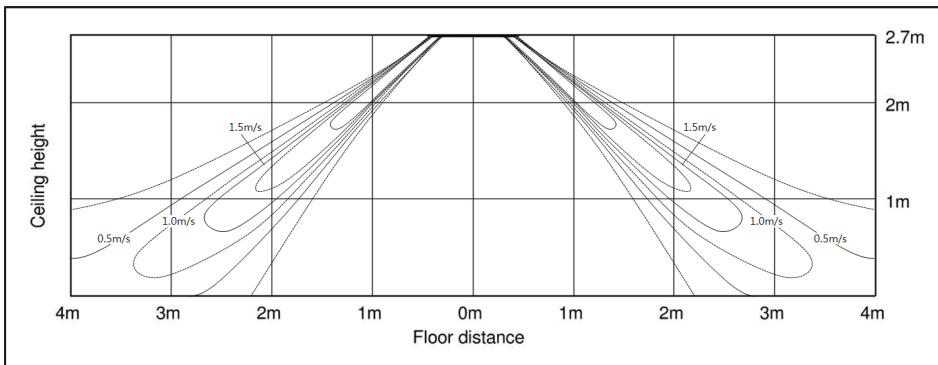
### (2) Cooling temperature distribution

Discharge angle : 37°



### (3) Heating air velocity distribution

Discharge angle : 43°



### (4) Heating temperature distribution

Discharge angle : 43°

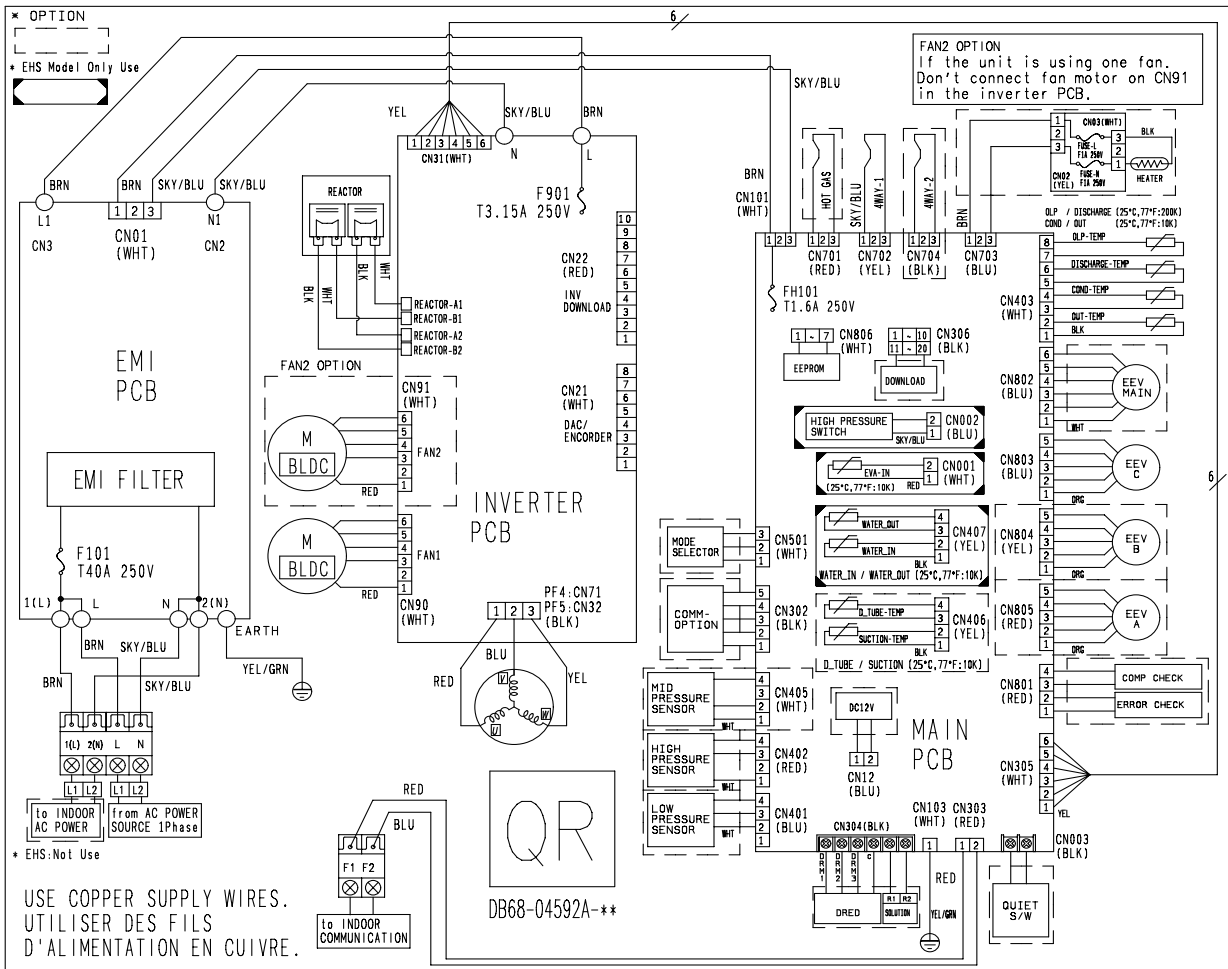




# 9 Electrical wiring diagram

## Outdoor

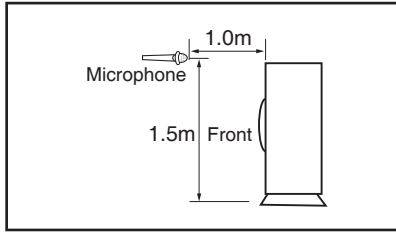
AC071JXSCEH/EU, AC100JXSCEH/EU





# 10 Sound pressure level

## Outdoor



Unit: dB(A)

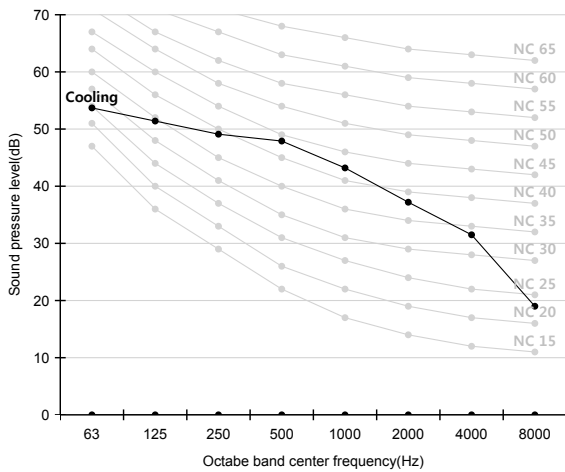
Model	Cooling	Heating
AC071JXSCEH/EU (IDU : AC071JN4CEH/EU)	49.0	49.0
AC100JXSCEH/EU (IDU : AC100JN4CEH/EU)	50.0	50.0
AC100JXSCGH/EU (IDU : AC100JN4CEH/EU)	50.0	50.0
AC125JXSCGH/EU (IDU : AC125JN4CEH/EU)	52.0	52.0

### Note

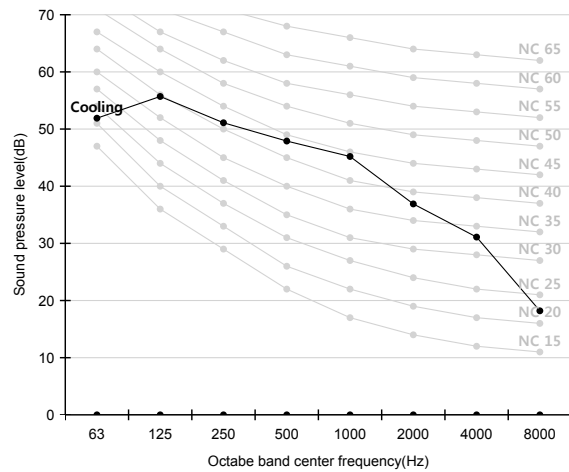
- > Measuring place: Anechoic chamber (conversion value)
- > These operation values were obtained in an anechoic room. Sound pressure level will vary depending on a range of factors such as the construction of the particular room where the equipment is installed.
- > Operation sound level may differ depending on operation and ambient conditions.)

## NC curve

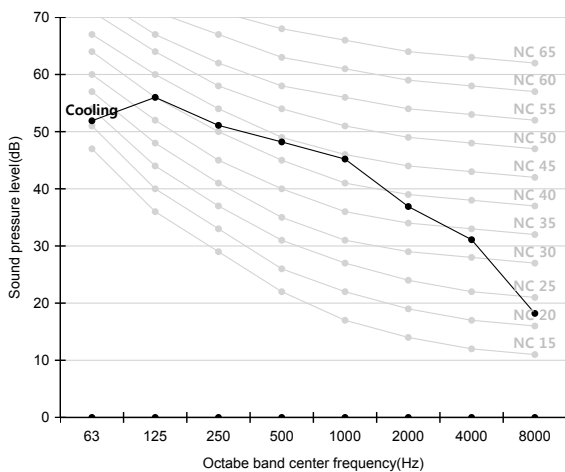
1) AC071JXSCEH/EU (IDU : AC071JN4CEH/EU)



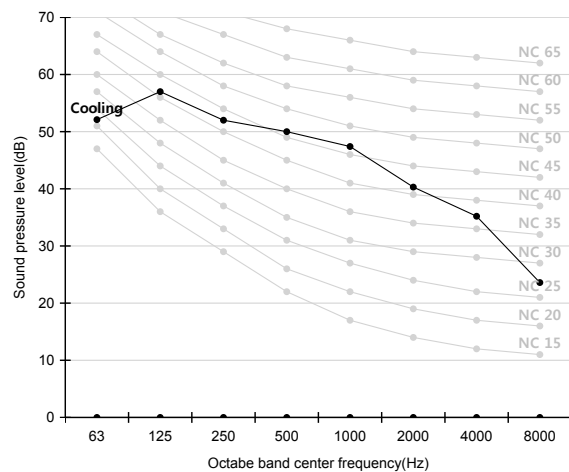
2) AC100JXSCEH/EU (IDU : AC100JN4CEH/EU)



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



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



# 11 Sound power level

## Outdoor

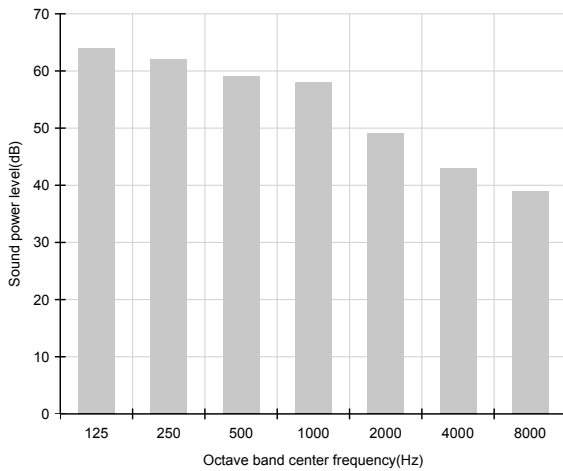
### Note

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

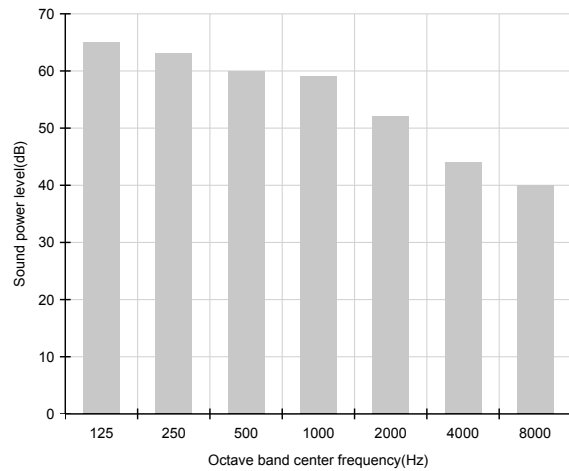
Unit: dB(A)

Model	Power
AC071JXSCEH/EU (IDU : AC071JN4CEH/EU)	65.0
AC100JXSCEH/EU (IDU : AC100JN4CEH/EU)	66.0
AC100JXSCGH/EU (IDU : AC100JN4CEH/EU)	66.0
AC125JXSCGH/EU (IDU : AC125JN4CEH/EU)	69.0

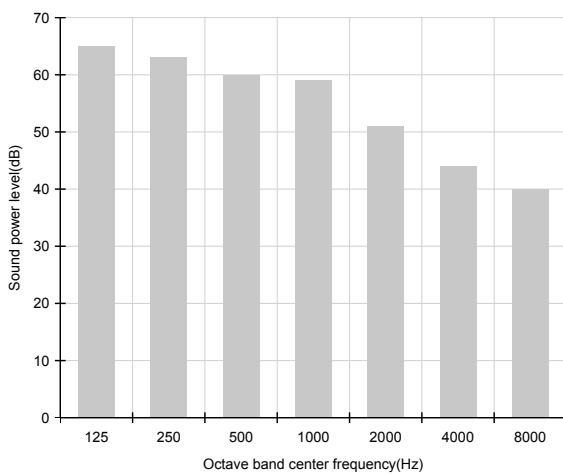
1) AC071JXSCEH/EU (IDU : AC071JN4CEH/EU)



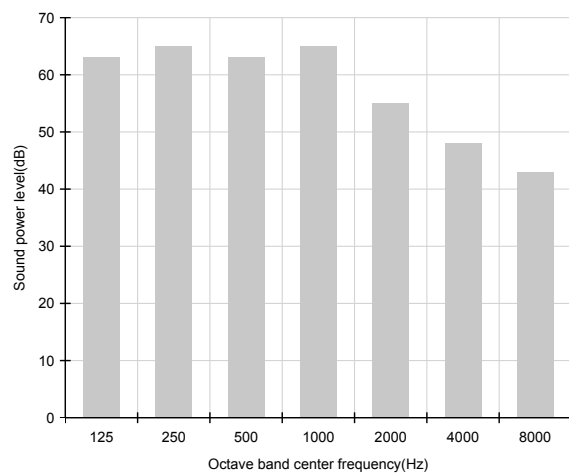
2) AC100JXSCEH/EU (IDU : AC100JN4CEH/EU)



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



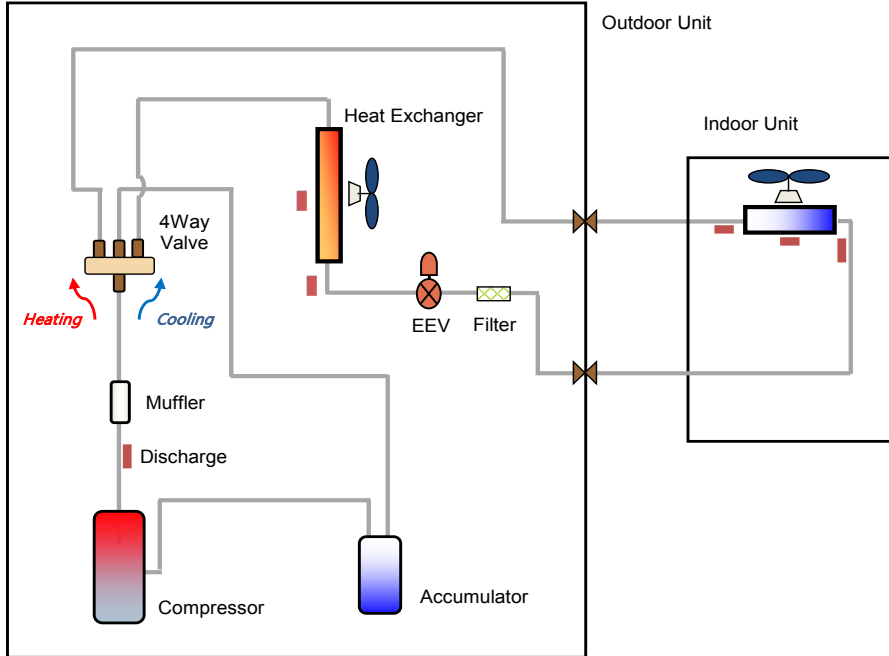
4) AC125JXSCGH/EU (IDU : AC125JN4CEH/EU)











# 12 Cycle diagram

## Outdoor

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



Category	Symbol	Description	
Compressor		Rotary Inverter Compressor	
Heat Exchanger		Condensing/Evaporating unit(FMC)	
Accumulator		Accumulator	
Filter		Filter	
Valve	Expansion		Electronic Expansion Valve(EEV)
	Reversing		4 Way valve (Reversing valve)
	Service		Service valve
Senser	Temperature		Pip/Air Temperature sensor

# 13 Dimensional drawing

## Outdoor

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

Units : mm / inches

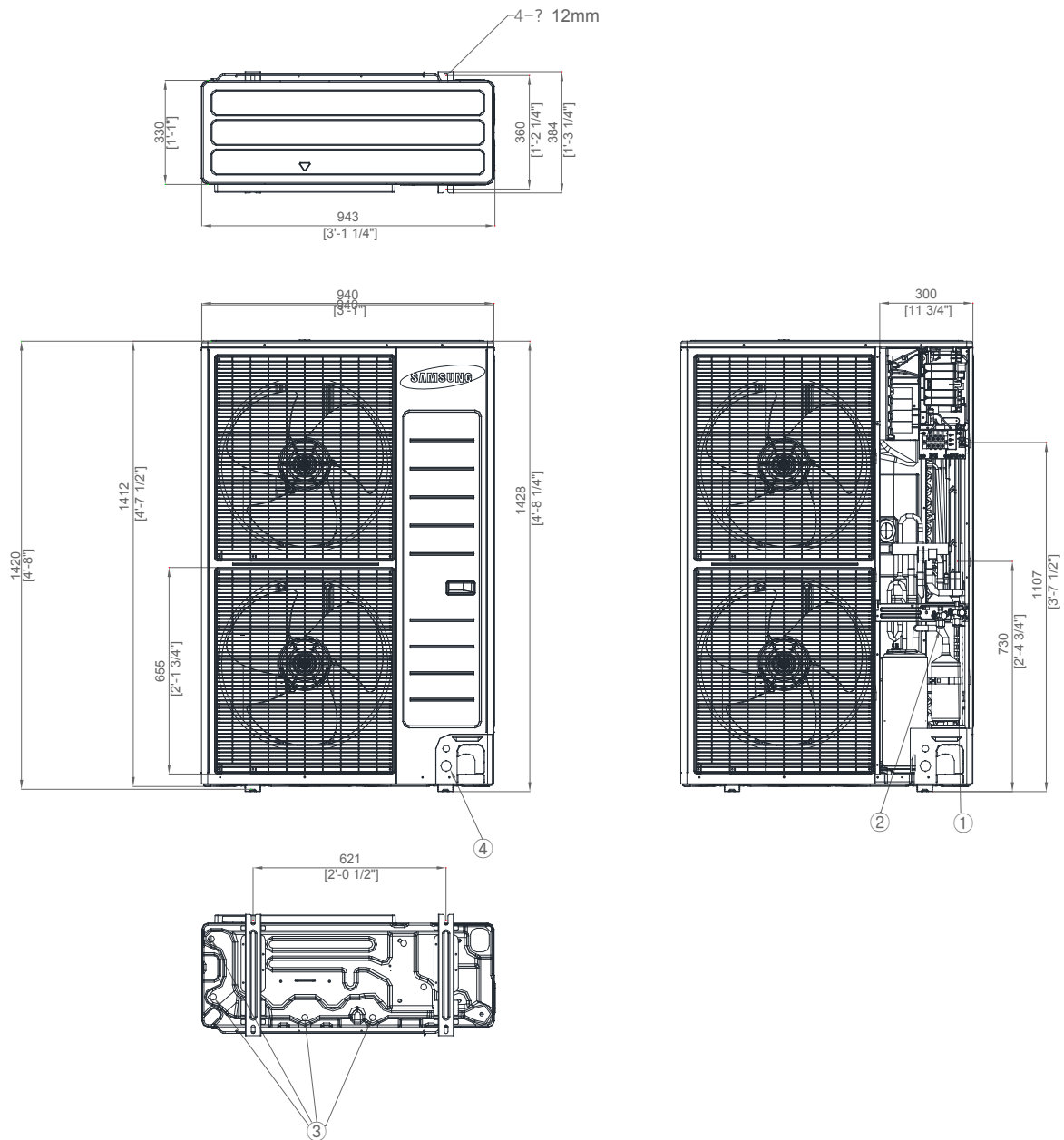


Table of descriptions


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

# 14 Capacity correction

## Outdoor


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

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