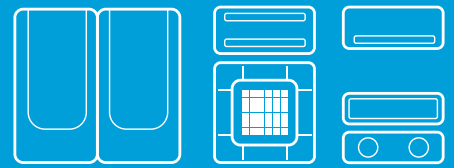


SINGLE

Technical Data Book

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



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

History

[illegible]

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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

(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++)			
				-	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)		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		
					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	5.80		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	-	-		-			
			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 -		Twin BLDC Rotary		
			Model		-	UG5T450FUEJX		UG5T450FAXJX		
			Output		kW	4.12		4.01		
	Oil		Type	-	PVE		PVE			
		CMM		112.00		112.00				
	Fan	Air Flow Rate	Cooling	l/s	1,866.67		1,866.67			
			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	-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.

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)		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)		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		
				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	5.80		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	-	-		-		
		Max. Lifting	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)	50.0 / 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)			16 (WB)			18 (WB)			19 (WB)			22 (WB)			24 (WB)		
	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	7.10	5.70	1.80	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)
	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 Air Temp. (DB)	Indoor temperature (°C)																	
	20 (DB)			22 (DB)			25 (DB)			27 (DB)			30 (DB)			32 (DB)		
	14 (WB)			16 (WB)			18 (WB)			19 (WB)			22 (WB)			24 (WB)		
	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	10.00	8.00	2.74	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)
	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.

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)			16 (WB)			18 (WB)			19 (WB)			22 (WB)			24 (WB)		
	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	10.00	8.00	2.74	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)
	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 Air Temp. (DB)	Indoor temperature (°C)																	
	20 (DB)			22 (DB)			25 (DB)			27 (DB)			30 (DB)			32 (DB)		
	14 (WB)			16 (WB)			18 (WB)			19 (WB)			22 (WB)			24 (WB)		
	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	12.50	10.00	3.89	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)
	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

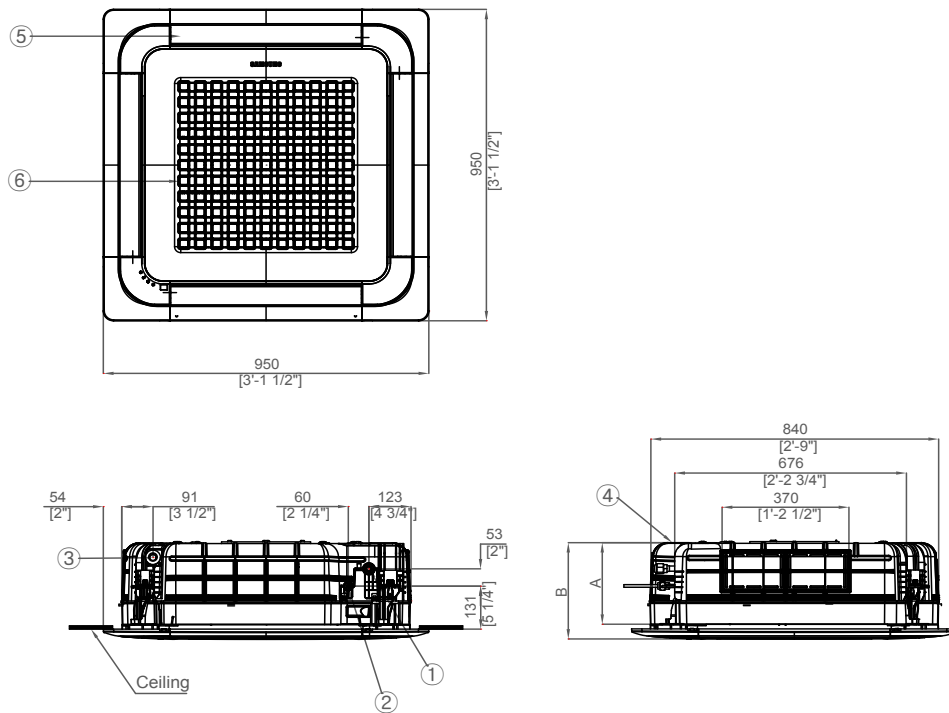
. Level difference : 0m.

4 Dimensional drawing

4 Way Cassette S

AC071JN4CEH/EU, AC100JN4CEH/EU, AC125JN4CEH/EU

Units : mm / inches



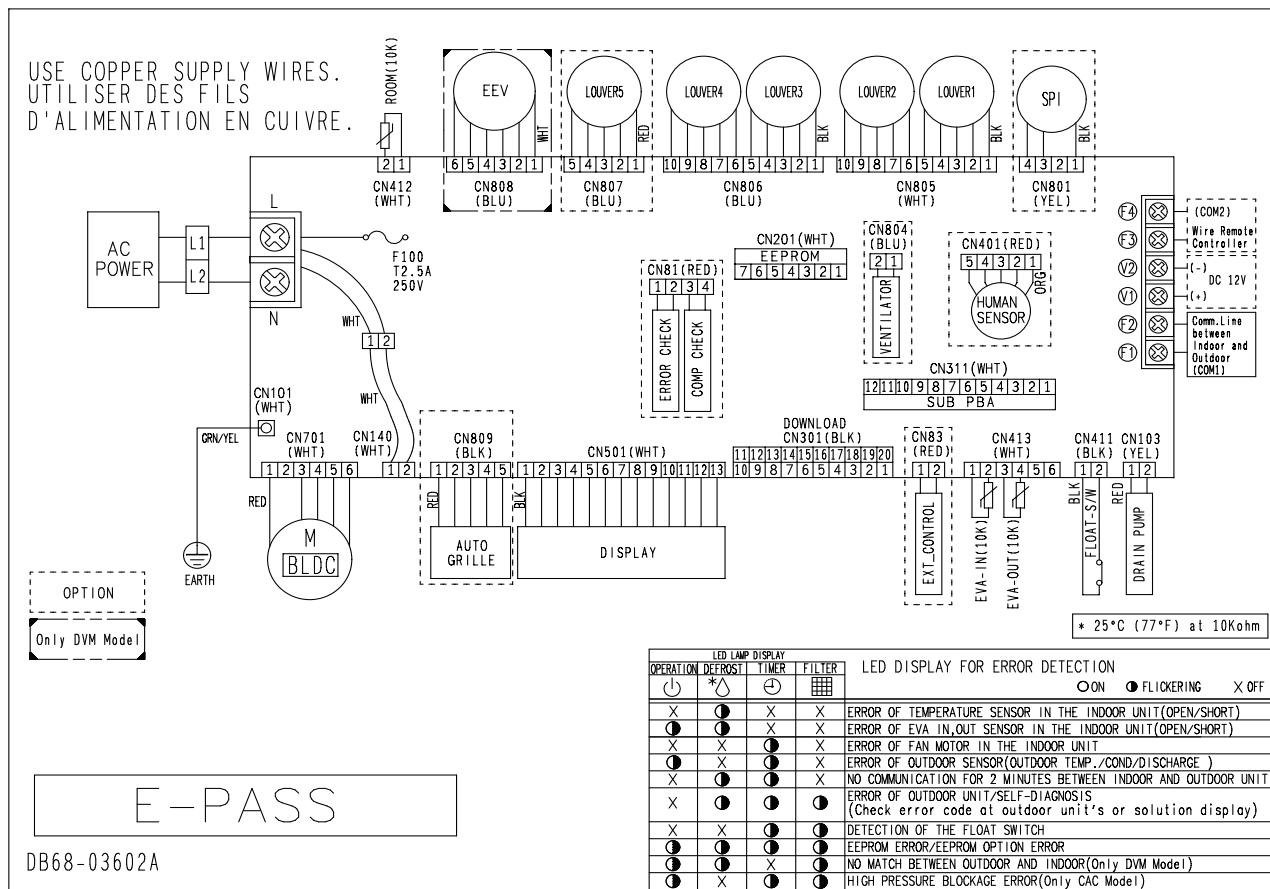
	Description	
	7.1kW, 10kW, 12.5kW	
A (mm)	288	
B (mm)	337	

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

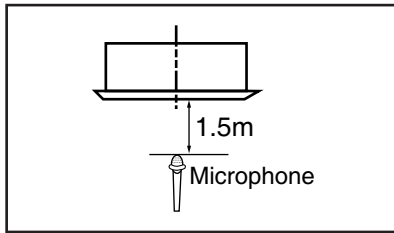
4 Way Cassette S

AC071JN4CEH/EU, AC100JN4CEH/EU, AC125JN4CEH/EU



6 Sound pressure level

4 Way Cassette S



Unit: dB(A)

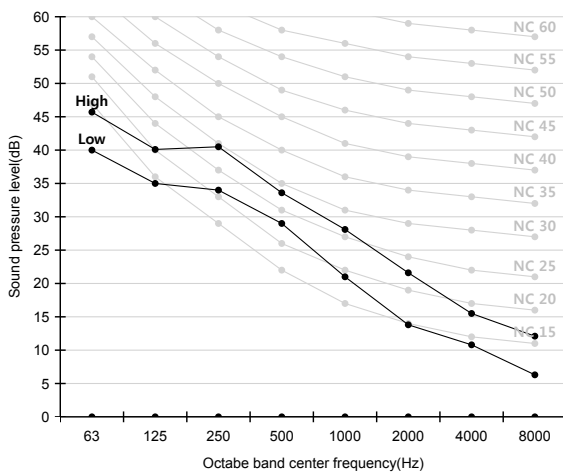
Model	High	Low
AC071JN4CEH/EU (ODU : AC071JXSCEH/EU)	36.0	30.0
AC100JN4CEH/EU (ODU : AC100JXSCEH/EU)	43.0	33.0
AC100JN4CEH/EU (ODU : AC100JXSCGH/EU)	43.0	33.0
AC125JN4CEH/EU (ODU : AC125JXSCGH/EU)	44.0	34.0

Note

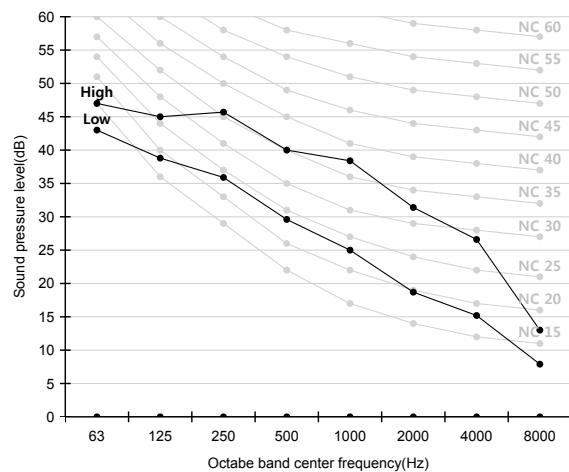
- > Measuring place: Anechoic chamber (conversion value)
- > These operation values were obtained in an anechoic room. Sound pressure level will vary depending on a range of factors such as the construction of the particular room where the equipment is installed.
- > Operation sound level may differ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

NC curve

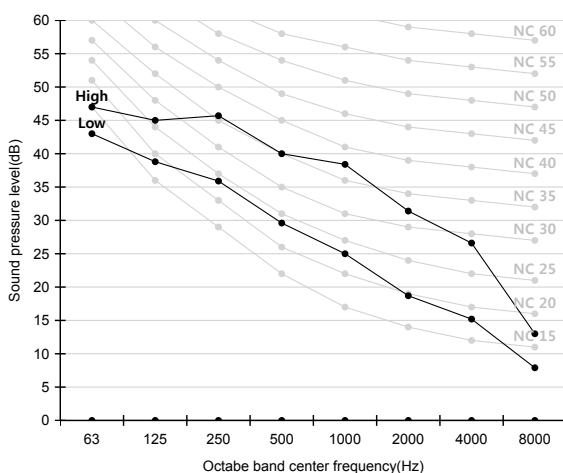
1) AC071JN4CEH/EU (ODU : AC071JXSCEH/EU)



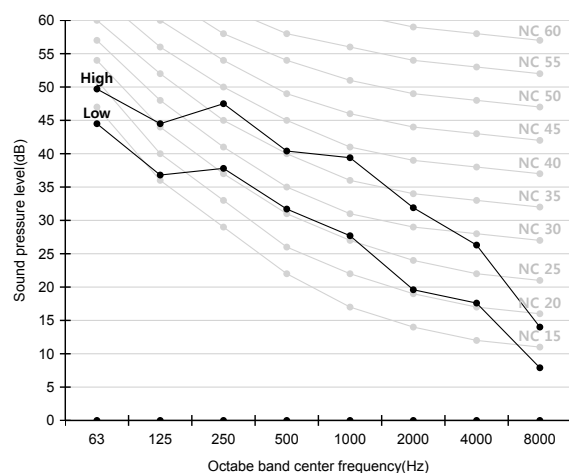
2) AC100JN4CEH/EU (ODU : AC100JXSCEH/EU)



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



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



7 Sound power level

4 Way Cassette S

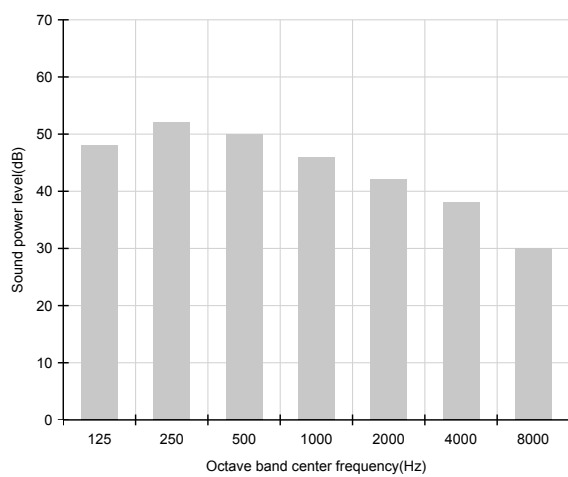
Note

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

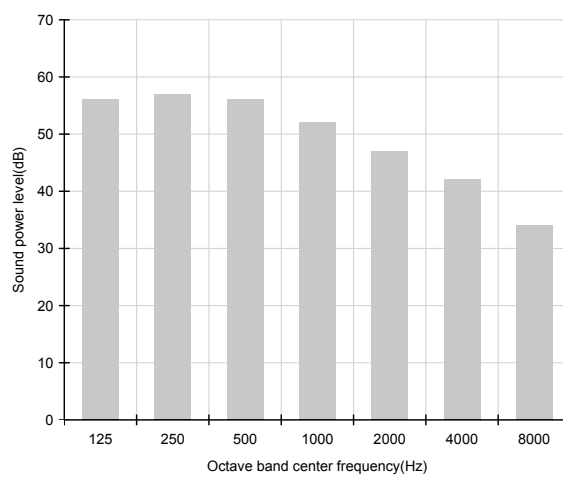
Unit: dB(A)

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

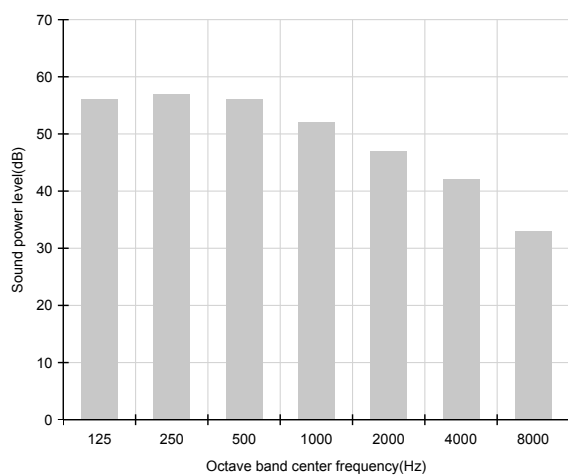
1) AC071JN4CEH/EU (ODU : AC071JXSCEH/EU)



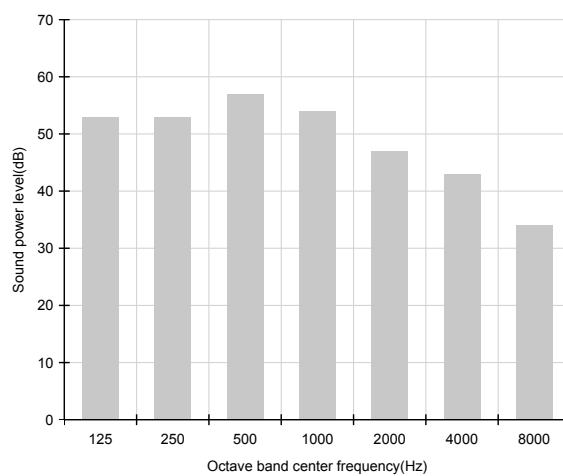
2) AC100JN4CEH/EU (ODU : AC100JXSCEH/EU)



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



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



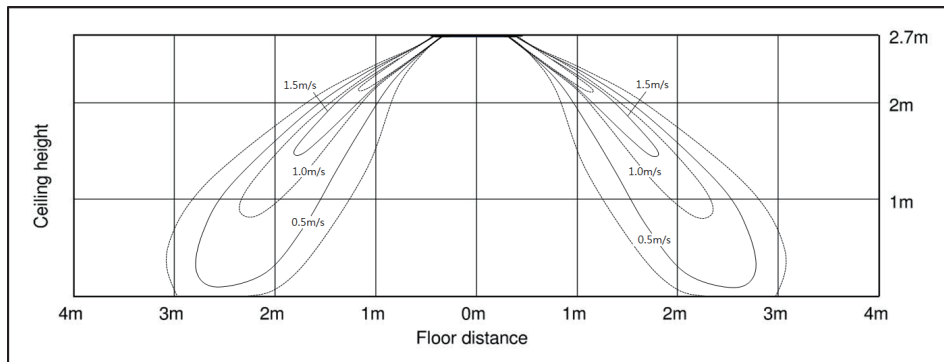
8 Temperature and air flow distribution

4 Way Cassette S

AC071JN4CEH/EU

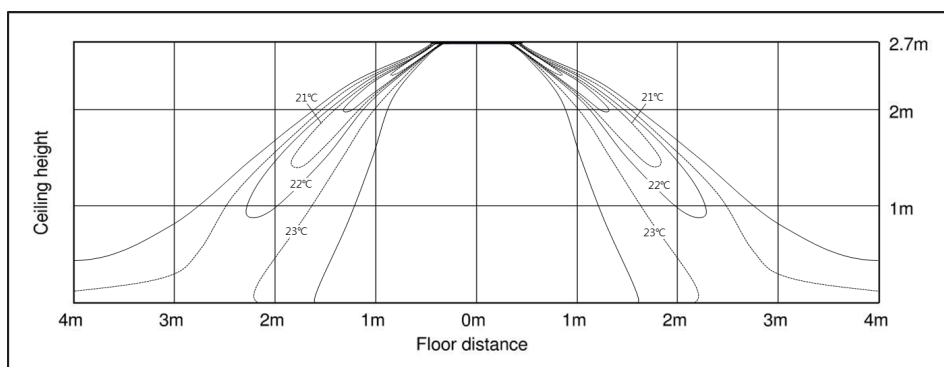
(1) Cooling air velocity distribution

Discharge angle : 37°



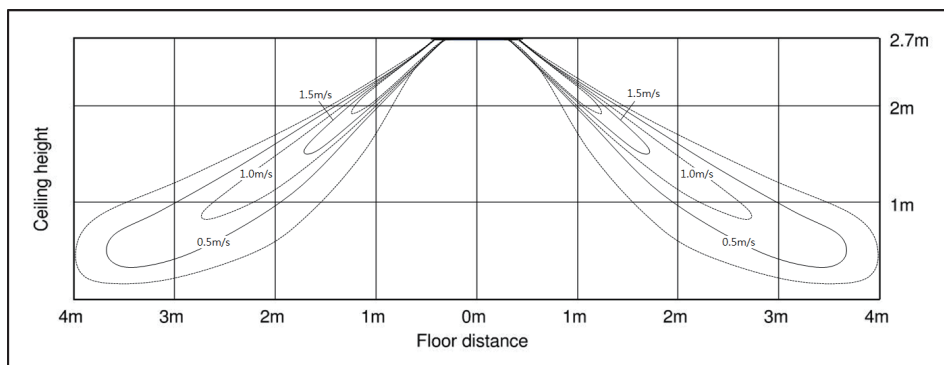
(2) Cooling temperature distribution

Discharge angle : 37°



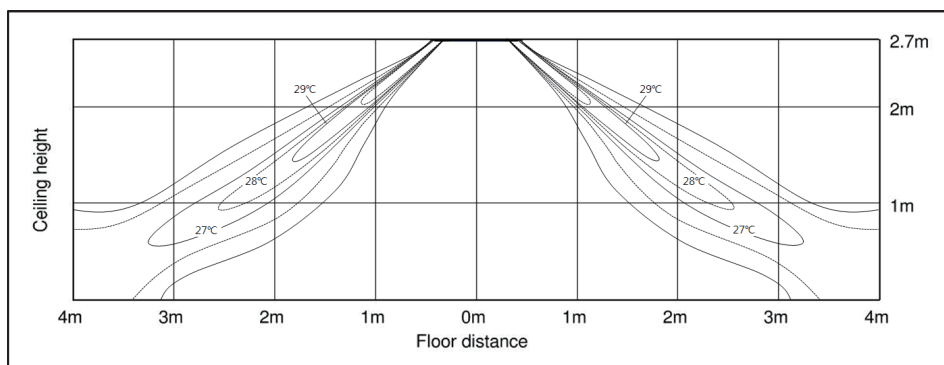
(3) Heating air velocity distribution

Discharge angle : 43°



(4) Heating temperature distribution

Discharge angle : 43°

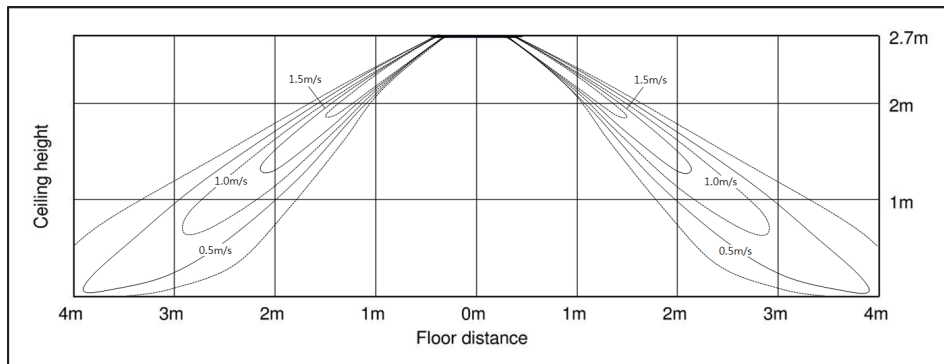


8 Temperature and air flow distribution

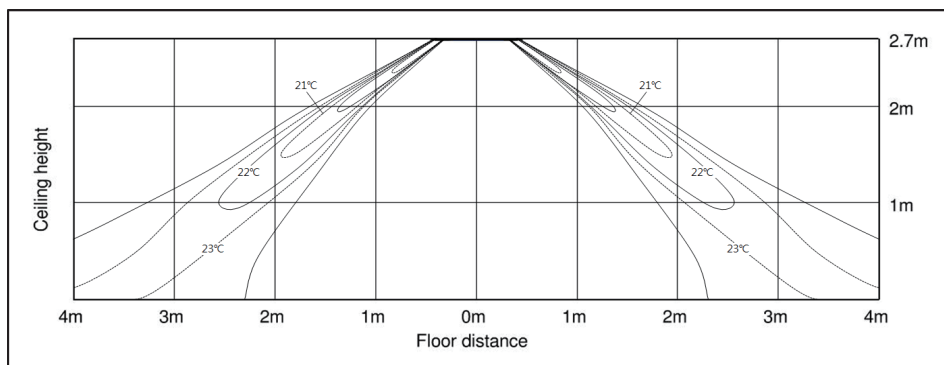
4 Way Cassette S

AC100JN4CEH/EU

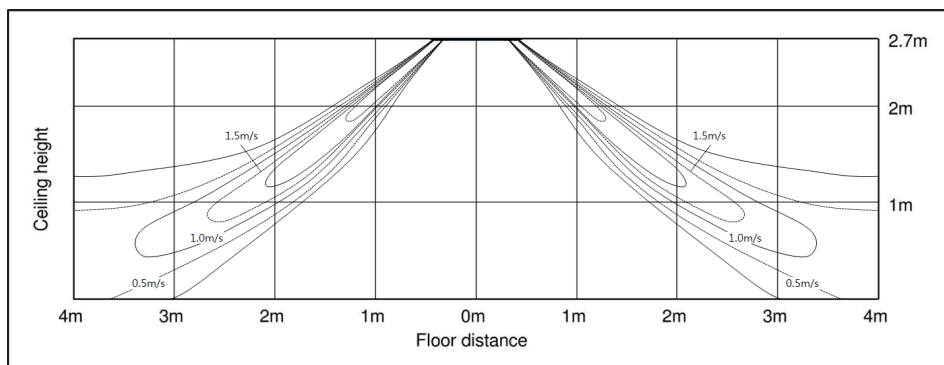
(1) Cooling air velocity distribution



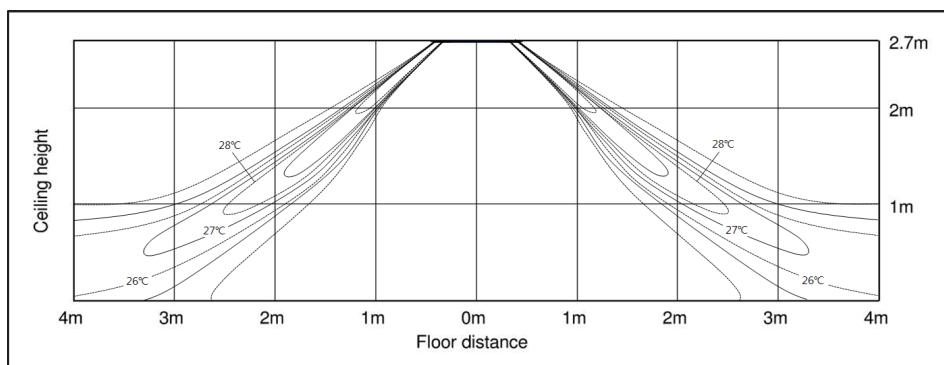
(2) Cooling temperature distribution



(3) Heating air velocity distribution



(4) Heating temperature distribution



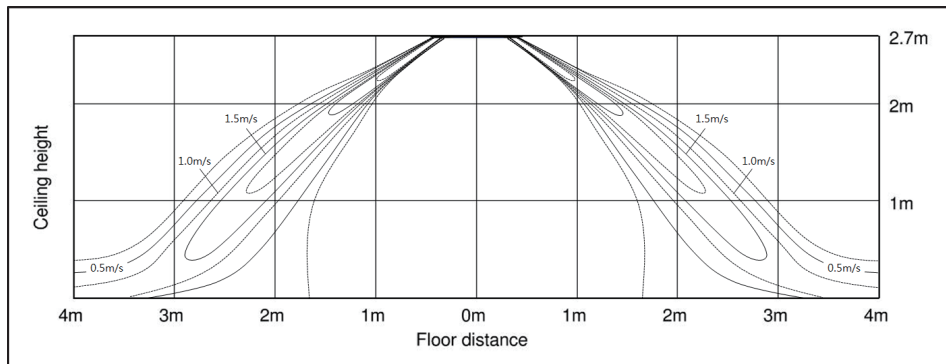
8 Temperature and air flow distribution

4 Way Cassette S

AC125JN4CEH/EU

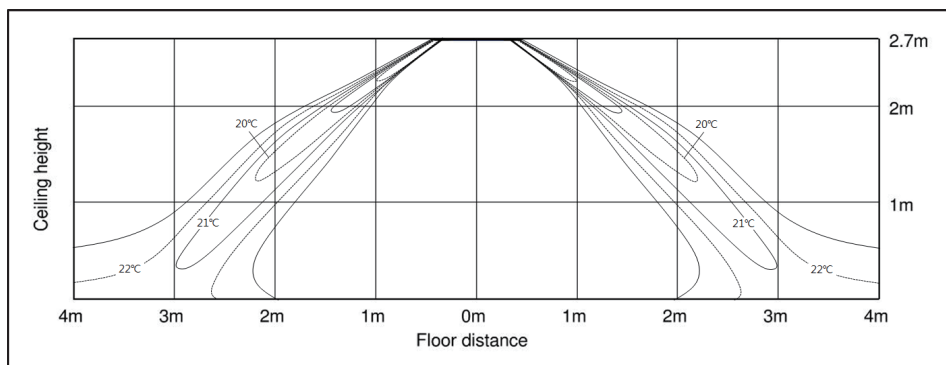
(1) Cooling air velocity distribution

Discharge angle : 37°



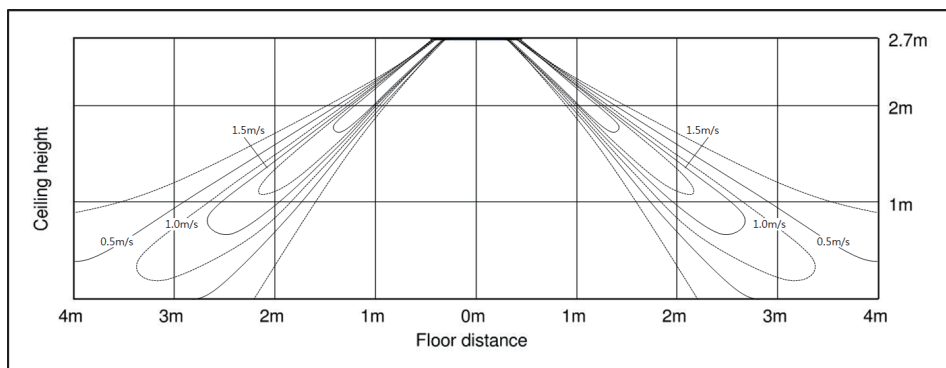
(2) Cooling temperature distribution

Discharge angle : 37°



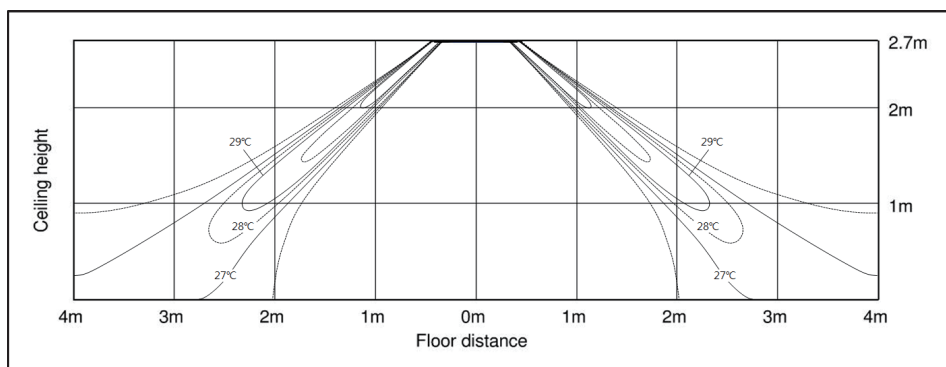
(3) Heating air velocity distribution

Discharge angle : 43°



(4) Heating temperature distribution

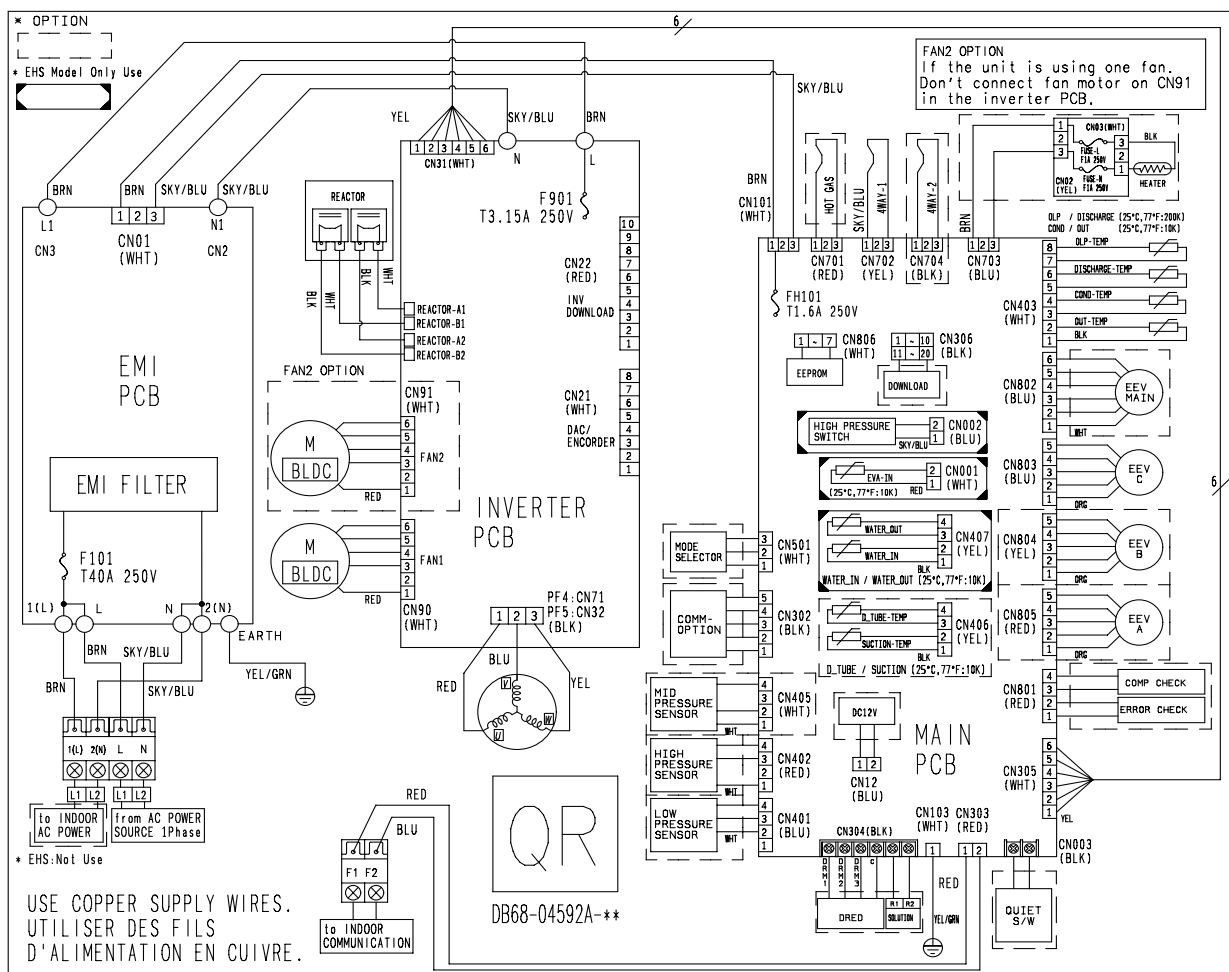
Discharge angle : 43°



9 Electrical wiring diagram

Outdoor

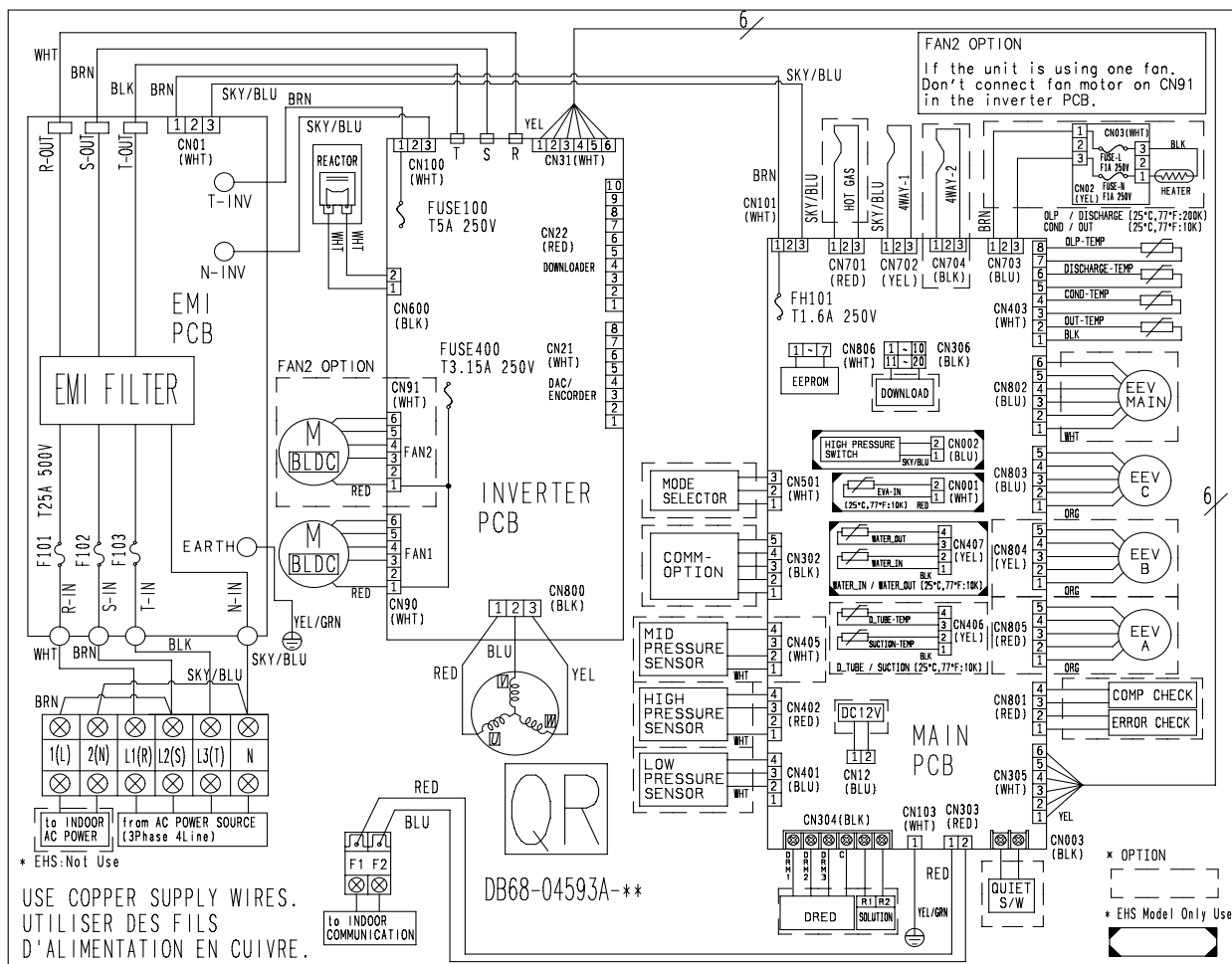
AC071JXSCEH/EU, AC100JXSCEH/EU



9 Electrical wiring diagram

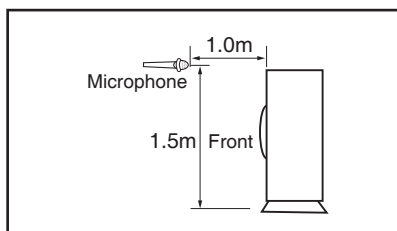
Outdoor

AC100JXSCGH/EU, AC125JXSCGH/EU



10 Sound pressure level

Outdoor



Unit: dB(A)

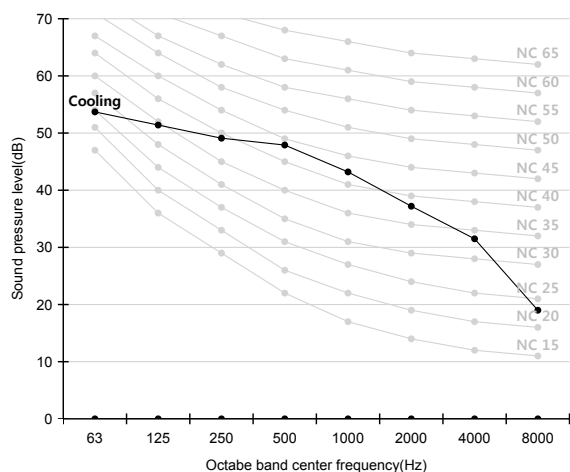
Model	Cooling	Heating
AC071JXSCEH/EU (IDU : AC071JN4CEH/EU)	49.0	49.0
AC100JXSCEH/EU (IDU : AC100JN4CEH/EU)	50.0	50.0
AC100JXSCGH/EU (IDU : AC100JN4CEH/EU)	50.0	50.0
AC125JXSCGH/EU (IDU : AC125JN4CEH/EU)	52.0	52.0

Note

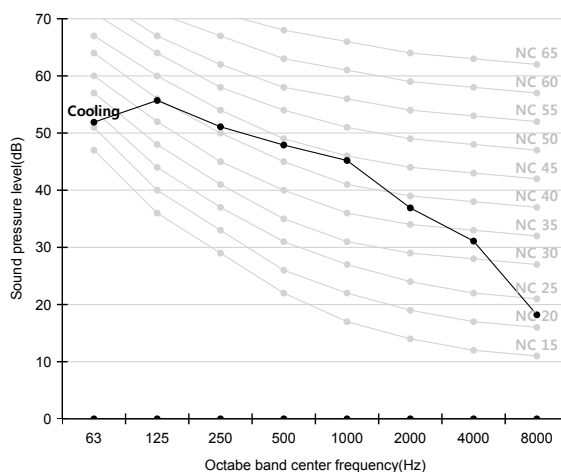
- > Measuring place: Anechoic chamber (conversion value)
- > These operation values were obtained in an anechoic room. Sound pressure level will vary depending on a range of factors such as the construction of the particular room where the equipment is installed.
- > Operation sound level may differ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

NC curve

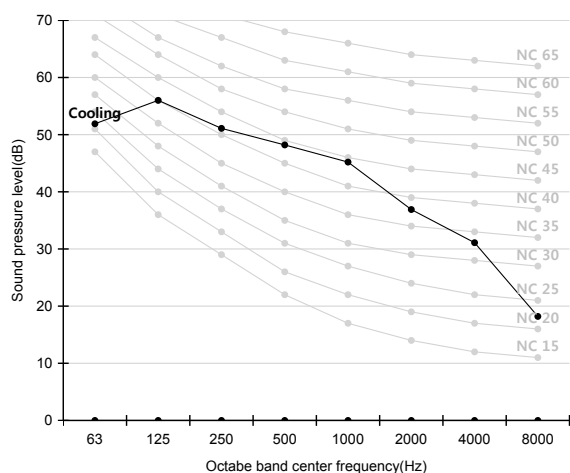
1) AC071JXSCEH/EU (IDU : AC071JN4CEH/EU)



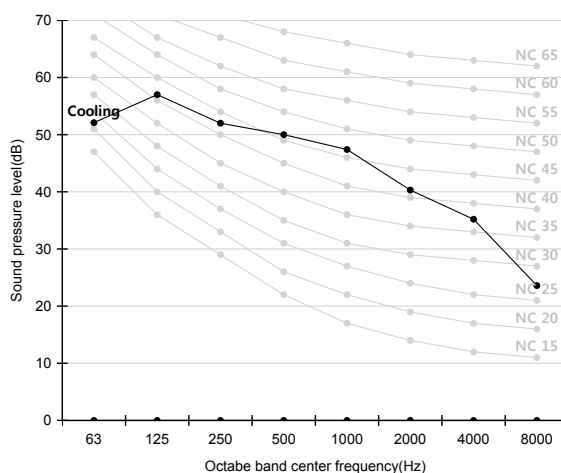
2) AC100JXSCEH/EU (IDU : AC100JN4CEH/EU)



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



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



11 Sound power level

Outdoor

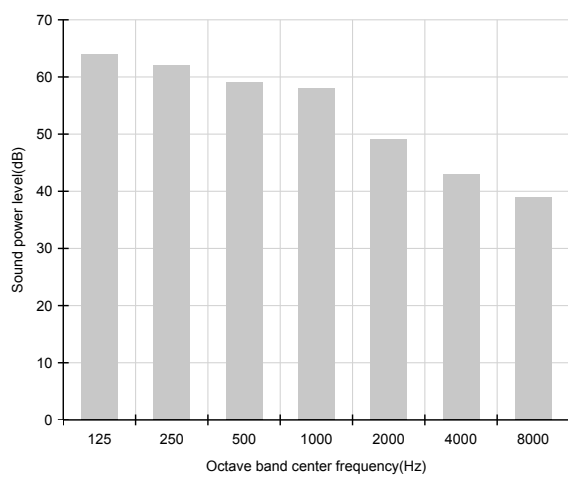
Note

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

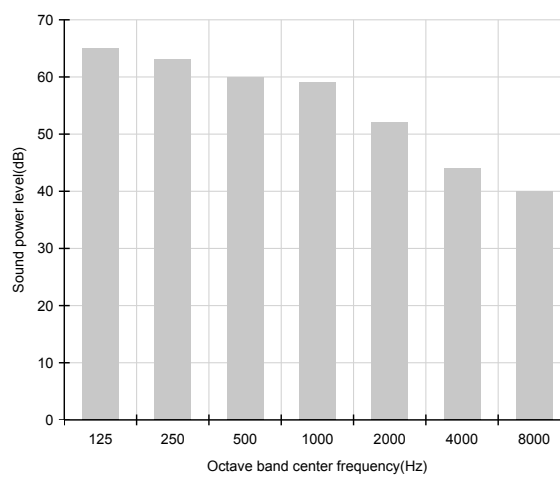
Unit: dB(A)

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

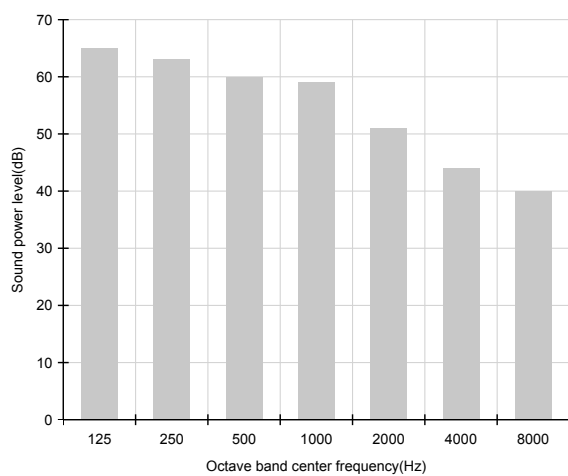
1) AC071JXSCEH/EU (IDU : AC071JN4CEH/EU)



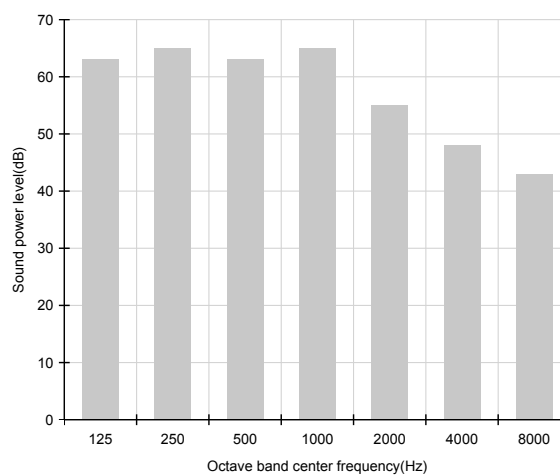
2) AC100JXSCEH/EU (IDU : AC100JN4CEH/EU)



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



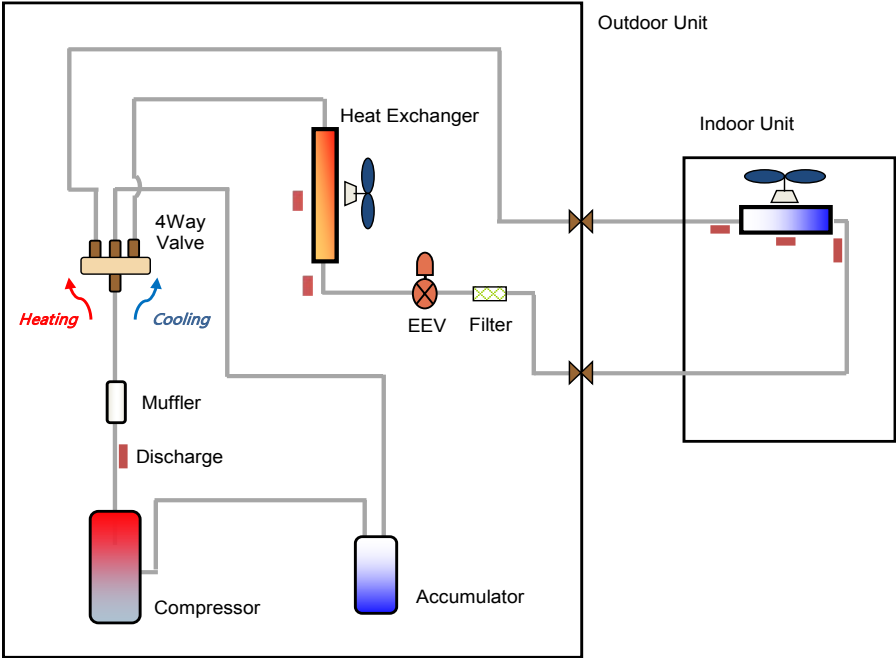
4) AC125JXSCGH/EU (IDU : AC125JN4CEH/EU)



12 Cycle diagram

Outdoor

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



Category		Symbol	Description
Compressor			Rotary Inveter 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

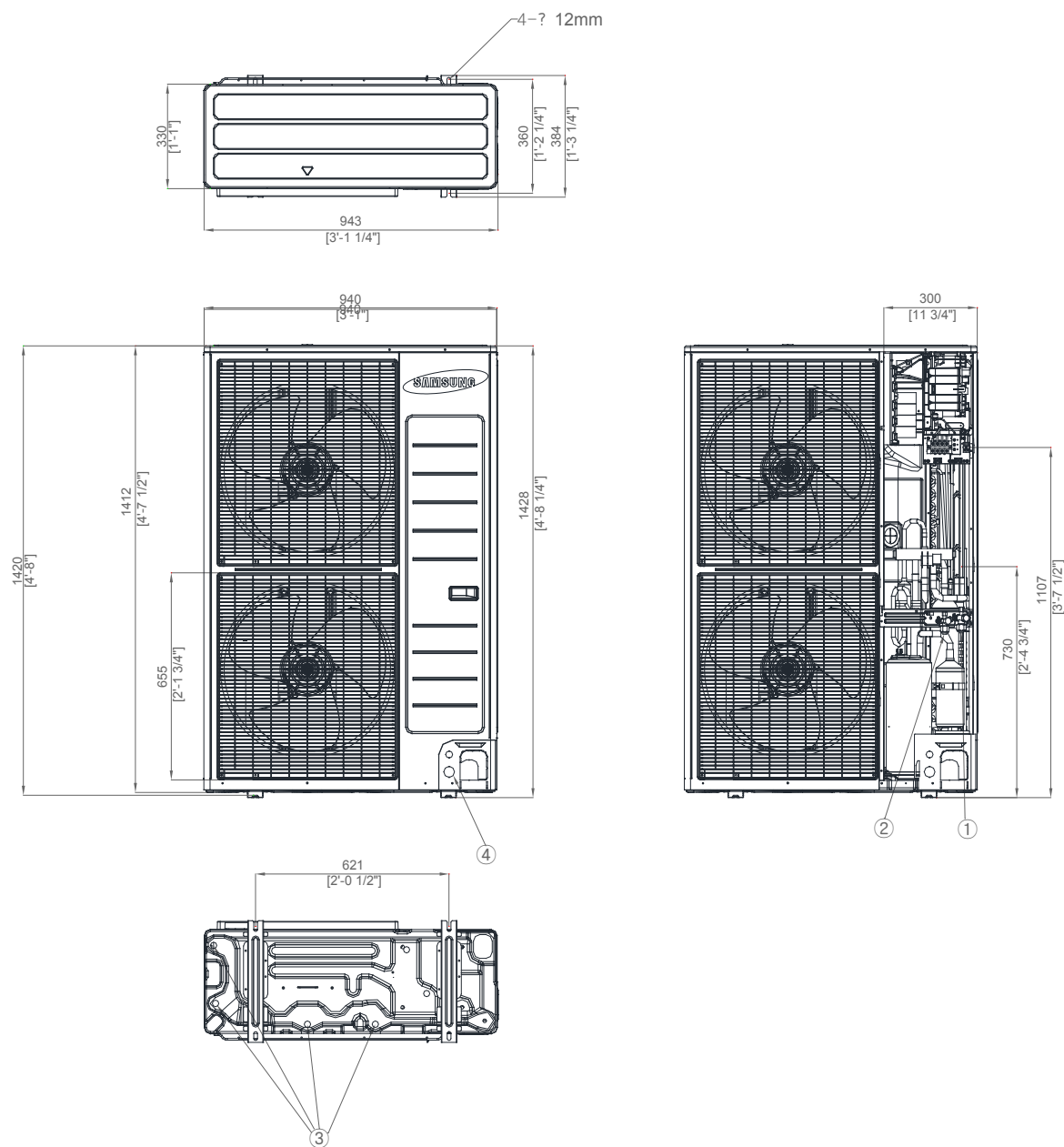


Table of descriptions

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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