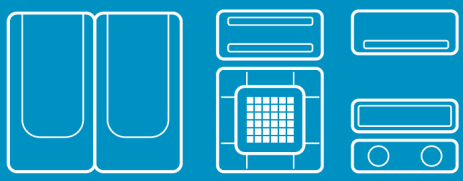
SINGLE

Technical Data Book

360 Cassette for EU (R410A/50Hz/HP)



Model (IDU) AC***KN4DKH/EU
(ODU) AC***KX4D*H/EU

SAMSUNG

History

Version	Modification	Date	Remark
Ver 1.0	Release 360 CST TDB	15.12.18	
Ver 1.1	Revision of fan motor output spec and dimensional drawing	16.01.08	
Ver 1.2	Revision of drwaing. (Note addition)	16.04.11	

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Nomenclature

Model Names

AC	071	K	N	4	D	K	H	/	EU
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)		Buyer

(1) Classification

AC	SINGLE
AM	VRF

(2) Capacity

x 1/10 kW (3 digits)

(3) Version

H	2014
J	2015
K	2016

(4) Product Type

N	Indoor Unit
X	Outdoor Unit

(5) Product Notation

1	1Way Cassette
2	2Way Cassette
N	4Way Cassette S (600 x 600)
4	4Way Cassette S / 360 CST
L	LSP Duct (Slim Duct)
M	MSP Duct
H	HSP Duct
C	Ceiling
T	Neo Forte
E	OAP Duct

(6) Feature

D	DELUXE
F	FLAGSHIP
P	Premium
G(EHS)	Cascade (EEV)

(7) Rating Voltage

C	1Ø, 208~230V, 60Hz
E	1Ø, 220~240V, 50Hz
G	3Ø, 380~415V, 50Hz
K	1Ø, 220~240V, 50/60Hz
N	3Ø, 380~415V, 50/60Hz

(8) Mode

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

2 Specifications

360 Cassette

Type					360 Cassette	360 Cassette
Model Name		Indoor Unit			AC071KN4DKH/EU	AC090KN4DKH/EU
		Outdoor Unit			AC071KX4DKH/EU	AC090KX4DKH/EU
System	Mode			-	Heat Pump	Heat Pump
	Capacity	Cooling(Min/Std/Max)		kW	2.20 / 7.10 / 8.00	3.00 / 9.00 / 11.30
				Btu/h	7,500 / 24,200 / 27,300	10,200 / 30,700 / 38,600
		Heating(Min/Std/Max)		kW	1.90 / 8.00 / 9.00	2.20 / 10.00 / 13.90
				Btu/h	6,500 / 27,300 / 30,700	7,500 / 34,100 / 47,400
	Power	Power Input (Nominal)	Cooling(Min/Std/Max)	kW	0.35 / 2.49 / 3.95	0.60 / 2.82 / 4.46
			Heating(Min/Std/Max)		0.35 / 2.40 / 3.95	0.46 / 2.65 / 5.20
		Current Input (Nominal)	Cooling(Min/Std/Max)	A	2.00 / 11.10 / 17.00	3.00 / 12.70 / 19.40
			Heating(Min/Std/Max)		2.00 / 10.70 / 17.00	2.50 / 12.50 / 22.70
		MCA		A	21.50 (MCA)	24.50 (MCA)
		MFA		A	23.65	26.95
	Energy Efficiency	EER (Nominal Cooling)		-	2.85	3.19
		COP (Nominal Heating)		-	3.33	3.77
		Energy Grade		-	SEER 6.2 (A++)	SEER 6.8 (A++)
				-	SCOP 4.1 (A+)	SCOP 4.3 (A+)
	Piping Connections	Liquid Pipe		Ø, mm	6.35	9.52
				Ø, inch	1/4"	3/8"
		Gas Pipe		Ø, mm	15.88	15.88
				Ø, inch	5/8"	5/8"
		Installation Limitation	Max. Length	m	50 (55)	50 (55)
			Max. Height	m	30 (30)	30 (30)
	Field Wiring	Power Source Wire		Ø, mm	2.50	2.50
		Transmission Cable		Ø, mm	0.75 ~ 1.50	0.75 ~ 1.50
	Refrigerant	Type		-	R410A	R410A
		Control Method		-	EEV	EEV
		Factory Charging		kg	1.50	3.00
Indoor Unit	Power Supply			Ø, #, V, Hz	1,2,220-240,50	1,2,220-240,50
	Fan	Type		-	Turbo Fan	Turbo Fan
		Motor	Output	W	65	97
		Air Flow Rate	High/Mid/Low	CMM	17.50 / 15.90 / 14.30	30.10 / 24.40 / 19.80
				l/s	291.67 / 265.00 / 238.33	501.67 / 406.67 / 330.00
		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 / 33 / 29	43 / 38 / 33
		Power	Cooling		53	60
	External Dimension	Net Weight		kg	21.00	24.00
		Shipping Weight		kg	25.00	29.00
		Net Dimensions (WxHxD)		mm	947 x 281 x 947	947 x 365 x 947
		Shipping Dimensions (WxHxD)		mm	990 x 330 x 990	990 x 414 x 990
	Panel Size	Panel model		-	PC4NUDMAN	PC4NUDMAN
		Panel Net Weight		kg	3.60	3.60
		Shipping Weight		kg	6.00	6.00
		Net Dimensions (WxHxD)		mm	1,000 x 66 x 1,000	1,000 x 66 x 1,000
		Shipping Dimensions (WxHxD)		mm	1,093 x 85 x 1,083	1,093 x 85 x 1,083
	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		-	UG4T200FUAE4	UG8T300FUBJU
		Output		kW	1.79	2.82
		Oil	Type	-	POE	PVE
	Fan	Air Flow Rate	Cooling	CMM	58.50	78.00
				l/s	975.00	1,300.00
	Sound	Pressure	Cooling/Heating	dB(A)	49 / 51	52 / 53
		Power	Cooling		65	68
	External Dimension	Net Weight		kg	50.50	72.00
		Shipping Weight		kg	55.00	77.00
		Net Dimensions (WxHxD)		mm	880 x 798 x 310	940 x 998 x 330
		Shipping Dimensions (WxHxD)		mm	1,023 x 891 x 413	995 x 1,096 x 426
	Operating Temp. Range	Cooling		ºC	-15.0 ~ 50.0	-15.0 ~ 50.0
		Heating		ºC	-20.0 ~ 24.0	-20.0 ~ 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 was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.

4) These products contain R410A which is fluorinated greenhouse gas.

5) Panel type is option. (Ceiling Type/Open Type)
About each detail spec, please refer to Dimensional Drawing pages.

2 Specifications

360 Cassette

Type					360 Cassette	360 Cassette
Model Name		Indoor Unit			AC100KN4DKH/EU	AC100KN4DKH/EU
		Outdoor Unit			AC100KX4DNH/EU	AC100KX4DKH/EU
System	Mode			-	Heat Pump	Heat Pump
	Capacity	Cooling(Min/Std/Max)		kW	3.00 / 10.00 / 12.00	3.00 / 10.00 / 12.00
				Btu/h	10,200 / 34,100 / 40,900	10,200 / 34,100 / 40,900
		Heating(Min/Std/Max)		kW	2.20 / 11.20 / 15.50	2.20 / 11.20 / 15.50
				Btu/h	7,500 / 38,200 / 52,900	7,500 / 38,200 / 52,900
	Power	Power Input (Nominal)	Cooling(Min/Std/Max)	kW	0.60 / 3.40 / 4.70	0.60 / 3.40 / 4.70
			Heating(Min/Std/Max)		0.46 / 3.15 / 5.40	0.46 / 3.15 / 5.40
		Current Input (Nominal)	Cooling(Min/Std/Max)	A	1.50 / 5.30 / 7.10	3.00 / 15.10 / 20.40
			Heating(Min/Std/Max)		1.20 / 4.90 / 8.40	2.50 / 14.60 / 23.00
		MCA		A	17.60 (MCA)	24.50 (MCA)
		MFA		A	17.60	26.95
	Energy Efficiency	EER (Nominal Cooling)		-	2.94	2.94
		COP (Nominal Heating)		-	3.56	3.56
		Energy Grade		-	SEER 6.8 (A++)	SEER 6.8 (A++)
				-	SCOP 4.3 (A+)	SCOP 4.3 (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	50 (55)	50 (55)
			Max. Height	m	30 (30)	30 (30)
	Field Wiring	Power Source Wire		Ø, mm	2.50	2.50
		Transmission Cable		Ø, mm	0.75 ~ 1.50	0.75 ~ 1.50
	Refrigerant	Type		-	R410A	R410A
		Control Method		-	EEV	EEV
		Factory Charging		kg	3.00	3.00
Indoor Unit	Power Supply			Ø, #, V, Hz	1,2,220-240,50	1,2,220-240,50
	Fan	Type		-	Turbo Fan	Turbo Fan
		Motor	Output	W	97	97
		Air Flow Rate	High/Mid/Low	CMM	31.20 / 25.50 / 19.80	31.20 / 25.50 / 19.80
				l/s	520.00 / 425.00 / 330.00	520.00 / 425.00 / 330.00
		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)	44 / 39 / 33	44 / 39 / 33
		Power	Cooling		61	61
	External Dimension	Net Weight		kg	24.00	24.00
		Shipping Weight		kg	29.00	29.00
		Net Dimensions (WxHxD)		mm	947 x 365 x 947	947 x 365 x 947
		Shipping Dimensions (WxHxD)		mm	990 x 414 x 990	990 x 414 x 990
	Panel Size	Panel model		-	PC4NUDMAN	PC4NUDMAN
		Panel Net Weight		kg	3.60	3.60
		Shipping Weight		kg	6.00	6.00
		Net Dimensions (WxHxD)		mm	1,000 x 66 x 1,000	1,000 x 66 x 1,000
		Shipping Dimensions (WxHxD)		mm	1,093 x 85 x 1,083	1,093 x 85 x 1,083
	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	1,2,220-240,50
	Compressor	Type		-	Twin BLDC Rotary	BLDC Rotary
		Model		-	UG8T300FUCJU	UG8T300FUBJU
		Output		kW	2.82	2.82
		Oil	Type	-	PVE	PVE
	Fan	Air Flow Rate	Cooling	CMM	78.00	78.00
				l/s	1,300.00	1,300.00
	Sound	Pressure	Cooling/Heating	dB(A)	52 / 54	52 / 54
		Power	Cooling		69	69
	External Dimension	Net Weight		kg	72.00	72.00
		Shipping Weight		kg	77.00	77.00
		Net Dimensions (WxHxD)		mm	940 x 998 x 330	940 x 998 x 330
		Shipping Dimensions (WxHxD)		mm	995 x 1,096 x 426	995 x 1,096 x 426
	Operating Temp. Range	Cooling		ºC	-15.0 ~ 50.0	-15.0 ~ 50.0
		Heating		ºC	-20.0 ~ 24.0	-20.0 ~ 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 was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.

4) These products contain R410A which is fluorinated greenhouse gas.

5) Panel type is option. (Ceiling Type/Open Type)
About each detail spec, please refer to Dimensional Drawing pages.

2 Specifications

360 Cassette

Type					360 Cassette	360 Cassette
Model Name		Indoor Unit			AC120KN4DKH/EU	AC120KN4DKH/EU
		Outdoor Unit			AC120KX4DNH/EU	AC120KX4DKH/EU
System	Mode			-	Heat Pump	Heat Pump
	Capacity	Cooling(Min/Std/Max)		kW	3.50 / 12.00 / 13.50	3.50 / 12.00 / 13.50
				Btu/h	11,900 / 40,900 / 46,100	11,900 / 40,900 / 46,100
		Heating(Min/Std/Max)		kW	3.50 / 13.00 / 15.50	3.50 / 13.00 / 15.50
				Btu/h	11,900 / 44,400 / 52,900	11,900 / 44,400 / 52,900
	Power	Power Input (Nominal)	Cooling(Min/Std/Max)	kW	0.90 / 4.70 / 7.90	0.90 / 4.70 / 5.30
			Heating(Min/Std/Max)		0.75 / 4.00 / 7.90	0.75 / 4.00 / 5.50
		Current Input (Nominal)	Cooling(Min/Std/Max)	A	2.10 / 7.10 / 12.00	4.30 / 20.50 / 23.00
			Heating(Min/Std/Max)		2.10 / 6.10 / 12.00	3.70 / 17.70 / 24.00
		MCA		A	17.60 (MCA)	26.50 (MCA)
		MFA		A	17.60	29.15
	Energy Efficiency	EER (Nominal Cooling)		-	2.55	2.55
		COP (Nominal Heating)		-	3.25	3.25
		Energy Grade		-	SEER 5.7 (A+)	SEER 5.7 (A+)
				-	SCOP 4.1 (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	50 (55)	50 (55)
			Max. Height	m	30 (30)	30 (30)
	Field Wiring	Power Source Wire		Ø, mm	2.50	2.50
		Transmission Cable		Ø, mm	0.75 ~ 1.50	0.75 ~ 1.50
	Refrigerant	Type		-	R410A	R410A
		Control Method		-	EEV	EEV
		Factory Charging		kg	3.00	3.00
Indoor Unit	Power Supply			Ø, #, V, Hz	1,2,220-240,50	1,2,220-240,50
	Fan	Type		-	Turbo Fan	Turbo Fan
		Motor	Output	W	97	97
		Air Flow Rate	High/Mid/Low	CMM	32.50 / 25.50 / 19.80	32.50 / 25.50 / 19.80
				l/s	541.67 / 425.00 / 330.00	541.67 / 425.00 / 330.00
		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)	45 / 40 / 35	45 / 40 / 35
		Power	Cooling		61	61
	External Dimension	Net Weight		kg	24.00	24.00
		Shipping Weight		kg	29.00	29.00
		Net Dimensions (WxHxD)		mm	947 x 365 x 947	947 x 365 x 947
		Shipping Dimensions (WxHxD)		mm	990 x 414 x 990	990 x 414 x 990
	Panel Size	Panel model		-	PC4NUDMAN	PC4NUDMAN
		Panel Net Weight		kg	3.60	3.60
		Shipping Weight		kg	6.00	6.00
		Net Dimensions (WxHxD)		mm	1,000 x 66 x 1,000	1,000 x 66 x 1,000
		Shipping Dimensions (WxHxD)		mm	1,093 x 85 x 1,083	1,093 x 85 x 1,083
	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	1,2,220-240,50
	Compressor	Type		-	Twin BLDC Rotary	Twin BLDC Rotary
		Model		-	UG5T450FUFJX	UG5T450FUEJX
		Output		kW	4.12	4.12
		Oil	Type	-	PVE	PVE
	Fan	Air Flow Rate	Cooling	CMM	78.00	78.00
				l/s	1,300.00	1,300.00
	Sound	Pressure	Cooling/Heating	dB(A)	54 / 56	54 / 56
		Power	Cooling		70	70
	External Dimension	Net Weight		kg	80.00	80.00
		Shipping Weight		kg	85.00	85.00
		Net Dimensions (WxHxD)		mm	940 x 998 x 330	940 x 998 x 330
		Shipping Dimensions (WxHxD)		mm	995 x 1,096 x 426	995 x 1,096 x 426
	Operating Temp. Range	Cooling		ºC	-15.0 ~ 50.0	-15.0 ~ 50.0
		Heating		ºC	-20.0 ~ 24.0	-20.0 ~ 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 was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.

4) These products contain R410A which is fluorinated greenhouse gas.

5) Panel type is option. (Ceiling Type/Open Type)
About each detail spec, please refer to Dimensional Drawing pages.

2 Specifications

360 Cassette

Type					360 Cassette	360 Cassette
Model Name		Indoor Unit			AC140KN4DKH/EU	AC140KN4DKH/EU
		Outdoor Unit			AC140KX4DNH/EU	AC140KX4DKH/EU
System	Mode			-	Heat Pump	Heat Pump
	Capacity	Cooling(Min/Std/Max)		kW	3.50 / 13.40 / 15.50	3.49 / 13.40 / 15.50
				Btu/h	11,900 / 45,700 / 52,900	11,900 / 45,700 / 52,900
		Heating(Min/Std/Max)		kW	3.50 / 15.50 / 18.00	3.50 / 15.50 / 18.00
				Btu/h	11,900 / 52,900 / 61,400	11,900 / 52,900 / 61,400
	Power	Power Input (Nominal)	Cooling(Min/Std/Max)	kW	0.80 / 4.18 / 7.90	0.80 / 4.18 / 6.44
			Heating(Min/Std/Max)		0.70 / 4.30 / 7.90	0.70 / 4.30 / 7.36
		Current Input (Nominal)	Cooling(Min/Std/Max)	A	2.10 / 6.60 / 12.00	3.70 / 18.20 / 28.00
			Heating(Min/Std/Max)		1.90 / 6.80 / 12.00	3.50 / 18.70 / 32.00
		MCA		A	17.60 (MCA)	33.50 (MCA)
		MFA		A	17.60	36.85
	Energy Efficiency	EER (Nominal Cooling)		-	3.21	3.21
		COP (Nominal Heating)		-	3.60	3.60
		Energy Grade		-	-	-
				-	-	-
	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	2.50	2.50
		Transmission Cable		Ø, mm	0.75 ~ 1.50	0.75 ~ 1.50
	Refrigerant	Type		-	R410A	R410A
		Control Method		-	EEV	EEV
		Factory Charging		kg	3.50	3.50
Indoor Unit	Power Supply			Ø, #, V, Hz	1,2,220-240,50	1,2,220-240,50
	Fan	Type		-	Turbo Fan	Turbo Fan
		Motor	Output	W	97	97
		Air Flow Rate	High/Mid/Low	CMM	32.40 / 27.10 / 22.80	32.40 / 27.10 / 22.80
				l/s	540.00 / 451.67 / 380.00	540.00 / 451.67 / 380.00
		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)	45 / 41 / 37	45 / 41 / 37
		Power	Cooling		61	61
	External Dimension	Net Weight		kg	25.50	25.50
		Shipping Weight		kg	30.00	30.00
		Net Dimensions (WxHxD)		mm	947 x 365 x 947	947 x 365 x 947
		Shipping Dimensions (WxHxD)		mm	990 x 414 x 990	990 x 414 x 990
	Panel Size	Panel model		-	PC4NUDMAN	PC4NUDMAN
		Panel Net Weight		kg	3.60	3.60
		Shipping Weight		kg	6.00	6.00
		Net Dimensions (WxHxD)		mm	1,000 x 66 x 1,000	1,000 x 66 x 1,000
		Shipping Dimensions (WxHxD)		mm	1,093 x 85 x 1,083	1,093 x 85 x 1,083
	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	1,2,220-240,50
	Compressor	Type		-	Twin BLDC Rotary	Twin BLDC Rotary
		Model		-	UG5T450FUFJX	UG5T450FUEJX
		Output		kW	4.12	4.12
		Oil	Type	-	PVE	PVE
	Fan	Air Flow Rate	Cooling	CMM	111.00	111.00
				l/s	1,850.00	1,850.00
	Sound	Pressure	Cooling/Heating	dB(A)	53 / 54	53 / 54
		Power	Cooling		69	69
	External Dimension	Net Weight		kg	92.50	92.50
		Shipping Weight		kg	102.50	102.50
		Net Dimensions (WxHxD)		mm	940 x 1,210 x 330	940 x 1,210 x 330
		Shipping Dimensions (WxHxD)		mm	995 x 1,338 x 426	995 x 1,338 x 426
	Operating Temp. Range	Cooling		ºC	-15.0 ~ 50.0	-15.0 ~ 50.0
		Heating		ºC	-20.0 ~ 24.0	-20.0 ~ 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 was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.

4) These products contain R410A which is fluorinated greenhouse gas.

5) Panel type is option. (Ceiling Type/Open Type)
About each detail spec, please refer to Dimensional Drawing pages.

3 Capacity table

360 Cassette

AC071KN4DKH/EU + AC071KX4DKH/EU

Cooling

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

Outdoor Air Temp. (DB)	Indoor temperature (ºC)																				
	20 (DB)			23 (DB)			26 (DB)			27 (DB)			28 (DB)			30 (DB)			32 (DB)		
	14 (WB)			16 (WB)			18 (WB)			19 (WB)			20 (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)	TC(kW)	SHC(kW)	PI(kW)
-15.0	8.10	5.70	1.50	8.30	5.80	1.54	8.50	6.00	1.58	8.70	6.10	1.62	8.80	6.20	1.63	8.90	6.30	1.66	9.10	6.40	1.70
21.0	7.80	5.60	1.82	8.00	5.70	1.87	8.20	5.90	1.92	8.40	6.00	1.96	8.40	6.00	1.98	8.60	6.10	2.01	8.80	6.30	2.06
35.0	6.60	4.90	2.31	6.80	5.00	2.37	6.90	5.10	2.43	**7.10**	**5.20**	**2.49**	7.20	5.30	2.51	7.30	5.30	2.55	7.40	5.50	2.61
46.0	5.10	4.20	2.69	5.20	4.30	2.75	5.30	4.40	2.82	5.40	4.50	2.89	5.50	4.50	2.91	5.60	4.60	2.96	5.70	4.70	3.03
50.0	4.50	3.90	2.82	4.60	4.00	2.89	4.70	4.10	2.96	4.80	4.20	3.04	4.90	4.20	3.06	4.90	4.30	3.11	5.10	4.40	3.19

Heating

TC : Total Capacity, PI: Power Input

Outdoor Air Temp. (DB)	Indoor temperature (ºC)											
	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)
-20.0	5.70	2.73	5.70	2.71	5.60	2.68	5.50	2.65	5.50	2.63	5.40	2.60
-10.0	7.90	3.61	7.80	3.58	7.80	3.54	7.70	3.50	7.60	3.47	7.50	3.43
-5.0	8.00	3.27	7.90	3.24	7.80	3.20	7.70	3.17	7.70	3.14	7.60	3.11
0.0	8.10	2.93	8.00	2.90	7.90	2.90	7.80	2.84	7.70	2.81	7.70	2.78
7.0	8.20	2.45	8.10	2.42	**8.00**	**2.40**	7.90	2.38	7.80	2.35	7.80	2.33
24.0	11.20	3.40	11.10	3.37	11.00	3.33	10.90	3.30	10.80	3.27	10.70	3.23

AC090KN4DKH/EU + AC090KX4DKH/EU

Cooling

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

Outdoor Air Temp. (DB)	Indoor temperature (ºC)																				
	20 (DB)			23 (DB)			26 (DB)			27 (DB)			28 (DB)			30 (DB)			32 (DB)		
	14 (WB)			16 (WB)			18 (WB)			19 (WB)			20 (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)	TC(kW)	SHC(kW)	PI(kW)
-15.0	9.40	7.20	2.67	9.60	7.30	2.73	9.80	7.50	2.80	10.10	7.70	2.87	10.20	7.80	2.89	10.30	7.90	2.94	10.60	8.10	3.01
21.0	10.30	7.60	2.56	10.50	7.80	2.63	10.80	8.00	2.69	11.10	8.20	2.76	11.20	8.30	2.78	11.30	8.40	2.82	11.60	8.60	2.89
35.0	8.40	6.80	2.62	8.60	7.00	2.69	8.80	7.20	2.75	**9.00**	**7.40**	**2.82**	9.10	7.40	2.84	9.20	7.50	2.89	9.40	7.70	2.96
46.0	7.10	6.20	3.12	7.30	6.30	3.20	7.50	6.50	3.28	7.70	6.60	3.36	7.70	6.70	3.38	7.80	6.80	3.44	8.00	6.90	3.52
50.0	6.00	5.60	2.91	6.20	5.70	2.98	6.30	5.90	3.06	6.50	6.00	3.13	6.50	6.10	3.16	6.60	6.20	3.21	6.80	6.30	3.28

Heating

TC : Total Capacity PI: Power Input

Outdoor Air Temp. (DB)	Indoor temperature (ºC)											
	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)
-20.0	7.00	3.09	7.00	3.06	6.90	3.03	6.80	3.00	6.80	2.97	6.70	2.94
-10.0	10.40	4.33	10.30	4.28	10.20	4.24	10.10	4.20	10.00	4.16	9.90	4.11
-5.0	10.30	3.85	10.20	3.81	10.10	3.77	10.00	3.73	9.90	3.70	9.80	3.66
0.0	10.30	3.37	10.20	3.34	10.10	3.30	10.00	3.27	9.90	3.24	9.80	3.21
7.0	10.20	2.70	10.10	2.68	**10.00**	**2.65**	9.90	2.62	9.80	2.60	9.70	2.57
24.0	14.20	3.51	14.00	3.48	13.90	3.45	13.80	3.41	13.60	3.38	13.50	3.34

3 Capacity table

360 Cassette

AC100KN4DKH/EU + AC100KX4DNH/EU

Cooling

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

Outdoor Air Temp. (DB)	Indoor temperature (ºC)																				
	20 (DB)			23 (DB)			26 (DB)			27 (DB)			28 (DB)			30 (DB)			32 (DB)		
	14 (WB)			16 (WB)			18 (WB)			19 (WB)			20 (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)	TC(kW)	SHC(kW)	PI(kW)
-15.0	10.40	8.00	3.22	10.70	8.20	3.30	10.90	8.40	3.38	11.20	8.60	3.46	11.30	8.60	3.49	11.50	8.80	3.54	11.70	9.00	3.63
21.0	11.40	8.50	3.09	11.70	8.70	3.17	12.00	8.90	3.25	12.30	9.10	3.33	12.40	9.20	3.35	12.60	9.40	3.41	12.90	9.60	3.49
35.0	9.30	7.40	3.16	9.50	7.60	3.24	9.80	7.80	3.32	**10.00**	**8.00**	**3.40**	10.10	8.10	3.43	10.20	8.20	3.48	10.50	8.40	3.57
46.0	7.90	6.80	3.76	8.10	7.00	3.85	8.30	7.20	3.95	8.50	7.40	4.05	8.60	7.40	4.08	8.70	7.50	4.14	8.90	7.70	4.24
50.0	6.70	6.20	3.51	6.90	6.40	3.60	7.00	6.50	3.68	7.20	6.70	3.77	7.30	6.70	3.80	7.40	6.80	3.86	7.50	7.00	3.96

Heating

TC : Total Capacity, PI: Power Input

Outdoor Air Temp. (DB)	Indoor temperature (ºC)											
	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)
-20.0	7.80	3.67	7.80	3.64	7.70	3.60	7.60	3.56	7.50	3.53	7.50	3.49
-10.0	11.60	5.23	11.50	5.18	11.40	5.13	11.30	5.08	11.20	5.03	11.10	4.98
-5.0	11.60	4.64	11.50	4.59	11.30	4.55	11.20	4.50	11.10	4.46	11.00	4.41
0.0	11.50	4.04	11.40	4.00	11.30	4.00	11.20	3.92	11.10	3.89	11.00	3.85
7.0	11.40	3.21	11.30	3.18	**11.20**	**3.15**	11.10	3.12	11.00	3.09	10.90	3.06
24.0	15.90	4.23	15.80	4.19	15.60	4.15	15.50	4.11	15.30	4.07	15.20	4.03

AC100KN4DKH/EU + AC100KX4DKH/EU

Cooling

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

Outdoor Air Temp. (DB)	Indoor temperature (ºC)																				
	20 (DB)			23 (DB)			26 (DB)			27 (DB)			28 (DB)			30 (DB)			32 (DB)		
	14 (WB)			16 (WB)			18 (WB)			19 (WB)			20 (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)	TC(kW)	SHC(kW)	PI(kW)
-15.0	10.40	8.00	3.22	10.70	8.20	3.30	10.90	8.40	3.38	11.20	8.60	3.46	11.30	8.60	3.49	11.50	8.80	3.54	11.70	9.00	3.63
21.0	11.40	8.50	3.09	11.70	8.70	3.17	12.00	8.90	3.25	12.30	9.10	3.33	12.40	9.20	3.35	12.60	9.40	3.41	12.90	9.60	3.49
35.0	9.30	7.50	3.16	9.50	7.60	3.24	9.80	7.80	3.32	**10.00**	**8.00**	**3.40**	10.10	8.10	3.43	10.20	8.20	3.48	10.50	8.40	3.57
46.0	7.90	6.80	3.76	8.10	7.00	3.85	8.30	7.20	3.95	8.50	7.40	4.05	8.60	7.40	4.08	8.70	7.50	4.14	8.90	7.70	4.24
50.0	6.70	6.20	3.51	6.90	6.40	3.60	7.00	6.50	3.68	7.20	6.70	3.77	7.30	6.70	3.80	7.40	6.80	3.86	7.50	7.00	3.96

Heating

TC : Total Capacity PI: Power Input

Outdoor Air Temp. (DB)	Indoor temperature (ºC)											
	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)
-20.0	7.90	3.67	7.80	3.64	7.70	3.60	7.60	3.56	7.50	3.53	7.50	3.49
-10.0	11.60	5.23	11.50	5.18	11.40	5.13	11.30	5.08	11.20	5.03	11.10	4.98
-5.0	11.60	4.64	11.50	4.59	11.30	4.55	11.20	4.50	11.10	4.46	11.00	4.41
0.0	11.50	4.04	11.40	4.00	11.30	4.00	11.20	3.93	11.10	3.89	10.90	3.85
7.0	11.40	3.21	11.30	3.18	**11.20**	**3.15**	11.10	3.12	11.00	3.09	10.90	3.06
24.0	15.90	4.23	15.80	4.19	15.60	4.15	15.40	4.11	15.30	4.07	15.10	4.03

3 Capacity table

360 Cassette

AC120KN4DKH/EU + AC120KX4DNH/EU

Cooling

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

Outdoor Air Temp. (DB)	Indoor temperature (ºC)																				
	20 (DB)			23 (DB)			26 (DB)			27 (DB)			28 (DB)			30 (DB)			32 (DB)		
	14 (WB)			16 (WB)			18 (WB)			19 (WB)			20 (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)	TC(kW)	SHC(kW)	PI(kW)
-15.0	15.60	10.20	3.53	16.00	10.40	3.62	16.40	10.70	3.71	16.80	10.90	3.80	16.90	11.00	3.83	17.20	11.20	3.89	17.60	11.50	3.98
21.0	12.50	9.10	3.60	12.80	9.30	3.69	13.10	9.50	3.78	13.40	9.70	3.87	13.50	9.80	3.90	13.70	10.00	3.97	14.10	10.20	4.06
35.0	11.20	8.50	4.37	11.40	8.70	4.48	11.70	8.90	4.59	**12.00**	**9.10**	**4.70**	12.10	9.20	4.74	12.30	9.30	4.81	12.60	9.60	4.93
46.0	9.50	8.30	4.50	9.70	8.50	4.61	10.00	8.80	4.72	10.20	9.00	4.84	10.30	9.00	4.88	10.40	9.20	4.96	10.70	9.40	5.08
50.0	6.90	6.60	3.71	7.10	6.70	3.81	7.30	6.90	3.90	7.40	7.10	4.00	7.50	7.10	4.03	7.60	7.20	4.09	7.80	7.40	4.19

Heating

TC : Total Capacity, PI: Power Input

Outdoor Air Temp. (DB)	Indoor temperature (ºC)											
	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)
-20.0	9.60	4.74	9.50	4.70	9.40	4.65	9.30	4.60	9.20	4.56	9.10	4.51
-10.0	13.00	6.01	12.80	5.95	12.70	5.89	12.60	5.83	12.40	5.78	12.30	5.72
-5.0	13.00	5.44	12.90	5.39	12.80	5.34	12.70	5.28	12.50	5.23	12.40	5.18
0.0	13.10	4.88	13.00	4.83	12.90	4.80	12.70	4.73	12.60	4.68	12.50	4.64
7.0	13.30	4.08	13.10	4.04	**13.00**	**4.00**	12.90	3.96	12.70	3.92	12.60	3.88
24.0	16.80	4.49	16.70	4.44	16.50	4.40	16.30	4.36	16.20	4.31	16.00	4.27

AC120KN4DKH/EU + AC120KX4DKH/EU

Cooling

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

Outdoor Air Temp. (DB)	Indoor temperature (ºC)																				
	20 (DB)			23 (DB)			26 (DB)			27 (DB)			28 (DB)			30 (DB)			32 (DB)		
	14 (WB)			16 (WB)			18 (WB)			19 (WB)			20 (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)	TC(kW)	SHC(kW)	PI(kW)
-15.0	15.60	10.20	3.53	16.00	10.40	3.62	16.40	10.70	3.71	16.80	10.90	3.80	16.90	11.00	3.83	17.20	11.20	3.89	17.60	11.50	3.98
21.0	12.50	9.10	3.60	12.80	9.30	3.69	13.10	9.50	3.78	13.40	9.70	3.87	13.50	9.80	3.90	13.70	10.00	3.97	14.10	10.20	4.06
35.0	11.20	8.50	4.37	11.40	8.70	4.48	11.70	8.90	4.59	**12.00**	**9.10**	**4.70**	12.10	9.20	4.74	12.30	9.30	4.81	12.60	9.50	4.93
46.0	9.50	8.30	4.50	9.70	8.50	4.61	10.00	8.80	4.72	10.20	9.00	4.84	10.30	9.00	4.88	10.40	9.20	4.96	10.70	9.40	5.08
50.0	6.90	6.60	3.71	7.10	6.70	3.81	7.30	6.90	3.90	7.40	7.10	4.00	7.50	7.10	4.03	7.60	7.20	4.09	7.80	7.40	4.19

Heating

TC : Total Capacity PI: Power Input

Outdoor Air Temp. (DB)	Indoor temperature (ºC)											
	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)
-20.0	9.60	4.74	9.50	4.70	9.40	4.65	9.30	4.60	9.20	4.56	9.10	4.51
-10.0	13.00	6.01	12.80	5.95	12.70	5.89	12.60	5.84	12.40	5.78	12.30	5.72
-5.0	13.00	5.44	12.90	5.39	12.80	5.34	12.70	5.28	12.50	5.23	12.40	5.18
0.0	13.10	4.88	13.00	4.83	12.90	4.80	12.70	4.73	12.60	4.69	12.50	4.64
7.0	13.30	4.08	13.10	4.04	**13.00**	**4.00**	12.90	3.96	12.70	3.92	12.60	3.88
24.0	16.90	4.49	16.70	4.44	16.50	4.40	16.40	4.36	16.20	4.31	16.00	4.27

3 Capacity table

360 Cassette

AC140KN4DKH/EU + AC140KX4DNH/EU

Cooling

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

Outdoor Air Temp. (DB)	Indoor temperature (ºC)																				
	20 (DB)			23 (DB)			26 (DB)			27 (DB)			28 (DB)			30 (DB)			32 (DB)		
	14 (WB)			16 (WB)			18 (WB)			19 (WB)			20 (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)	TC(kW)	SHC(kW)	PI(kW)
-15.0	16.20	10.90	4.35	16.60	11.20	4.46	17.00	11.50	4.57	17.40	11.80	4.68	17.60	11.90	4.72	17.80	12.00	4.79	18.30	12.30	4.91
21.0	14.10	9.70	4.08	14.40	10.00	4.18	14.80	10.20	4.28	15.10	10.50	4.39	15.30	10.60	4.42	15.50	10.70	4.49	15.90	11.00	4.60
35.0	12.50	9.00	3.89	12.80	9.20	3.98	13.10	9.40	4.08	**13.40**	**9.70**	**4.18**	13.50	9.70	4.21	13.70	9.90	4.28	14.10	10.10	4.38
46.0	9.70	7.30	4.47	10.00	7.50	4.58	10.20	7.70	4.69	10.50	7.90	4.81	10.50	7.90	4.85	10.70	8.00	4.92	11.00	8.20	5.04
50.0	7.10	6.50	3.69	7.30	6.60	3.78	7.50	6.80	3.88	7.60	7.00	3.97	7.70	7.00	4.00	7.80	7.10	4.07	8.00	7.30	4.16

Heating

TC : Total Capacity, PI: Power Input

Outdoor Air Temp. (DB)	Indoor temperature (ºC)											
	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)
-20.0	10.40	4.89	10.30	4.84	10.20	4.79	10.10	4.74	10.00	4.69	9.90	4.65
-10.0	15.80	7.25	15.70	7.18	15.50	7.11	15.30	7.04	15.20	6.97	15.00	6.90
-5.0	15.80	6.41	15.70	6.35	15.50	6.28	15.30	6.22	15.20	6.16	15.00	6.10
0.0	15.80	5.57	15.70	5.51	15.50	5.50	15.30	5.40	15.20	5.35	15.00	5.29
7.0	15.80	4.39	15.70	4.34	**15.50**	**4.30**	15.30	4.26	15.20	4.21	15.00	4.17
24.0	20.90	5.40	20.70	5.34	20.50	5.29	20.30	5.24	20.10	5.18	19.90	5.13

AC140KN4DKH/EU + AC140KX4DKH/EU

Cooling

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

Outdoor Air Temp. (DB)	Indoor temperature (ºC)																				
	20 (DB)			23 (DB)			26 (DB)			27 (DB)			28 (DB)			30 (DB)			32 (DB)		
	14 (WB)			16 (WB)			18 (WB)			19 (WB)			20 (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)	TC(kW)	SHC(kW)	PI(kW)
-15.0	16.20	10.90	4.35	16.60	11.20	4.46	17.00	11.50	4.57	17.40	11.80	4.68	17.60	11.90	4.72	17.80	12.00	4.79	18.30	12.30	4.91
21.0	14.10	9.70	4.08	14.40	10.00	4.18	14.80	10.20	4.28	15.10	10.50	4.39	15.30	10.60	4.42	15.50	10.70	4.49	15.90	11.00	4.60
35.0	12.50	9.00	3.89	12.80	9.20	3.98	13.10	9.40	4.08	**13.40**	**9.70**	**4.18**	13.50	9.70	4.21	13.70	9.90	4.28	14.10	10.10	4.38
46.0	9.70	7.30	4.47	10.00	7.50	4.58	10.20	7.70	4.69	10.50	7.90	4.81	10.50	7.90	4.85	10.70	8.00	4.92	11.00	8.20	5.04
50.0	7.10	6.50	3.69	7.30	6.60	3.78	7.50	6.80	3.88	7.60	7.00	3.97	7.70	7.00	4.00	7.80	7.10	4.07	8.00	7.30	4.16

Heating

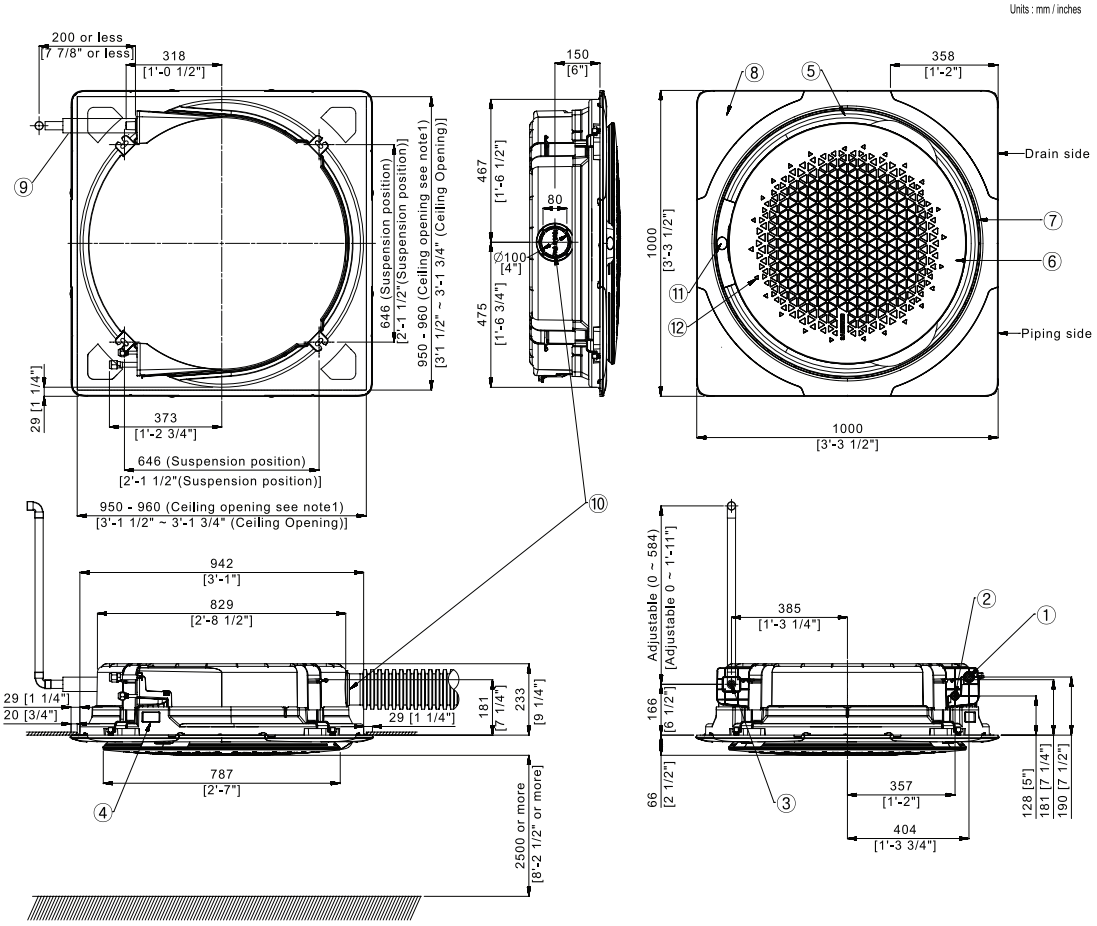
TC : Total Capacity PI: Power Input

Outdoor Air Temp. (DB)	Indoor temperature (ºC)											
	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)
-20.0	10.40	4.89	10.30	4.84	10.20	4.79	10.10	4.75	10.00	4.70	9.90	4.65
-10.0	15.80	7.25	15.60	7.18	15.50	7.11	15.30	7.04	15.20	6.97	15.00	6.90
-5.0	15.80	6.41	15.60	6.34	15.50	6.28	15.30	6.22	15.20	6.16	15.00	6.10
0.0	15.80	5.57	15.60	5.51	15.50	5.50	15.30	5.40	15.20	5.35	15.00	5.29
7.0	15.80	4.39	15.70	4.34	**15.50**	**4.30**	15.30	4.26	15.20	4.21	15.00	4.17
24.0	20.90	5.39	20.70	5.34	20.50	5.29	20.30	5.23	20.10	5.18	19.90	5.13

4 Dimensional drawing

Indoor : 360 Cassette

AC071KN4DKH/EU



Note

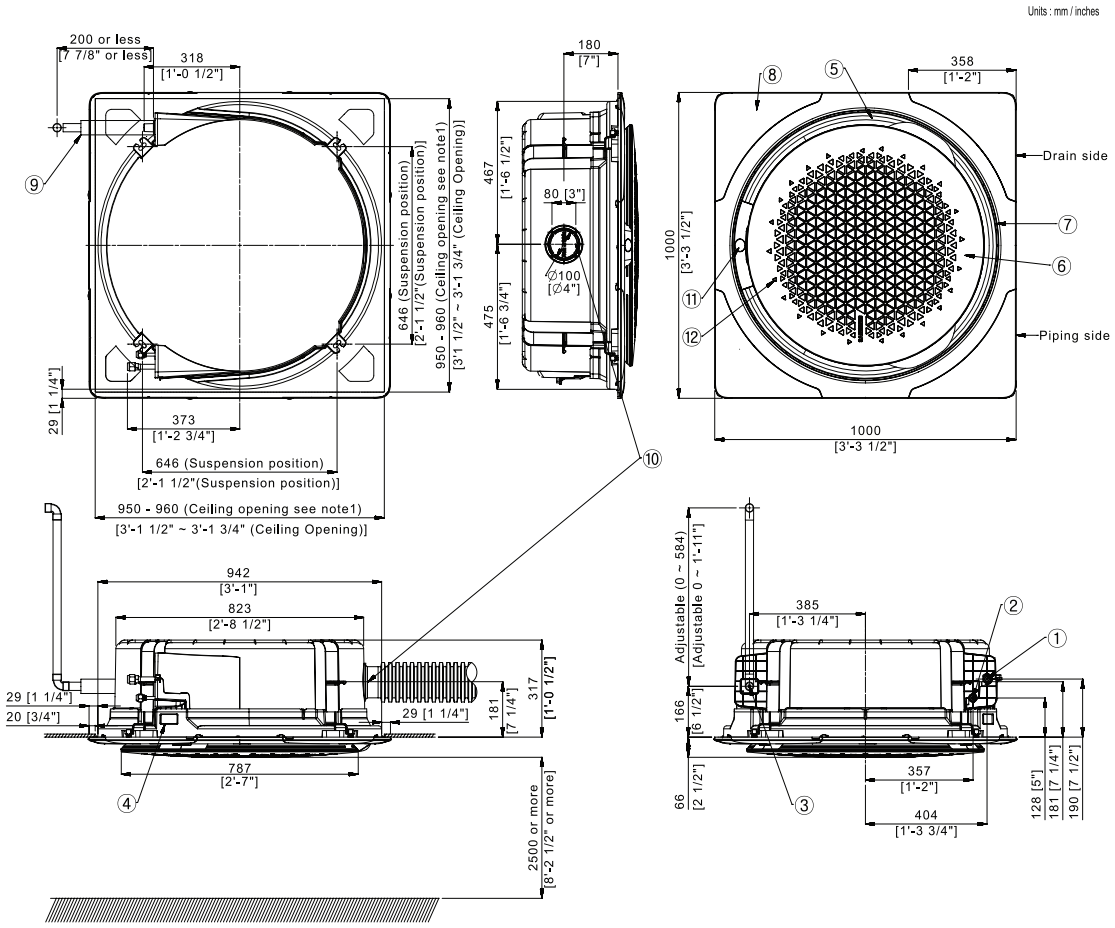
1. Make sure the spacing between the ceiling and the cassette is no more than 10mm[3/8"].
2. When the conditions exceed 30℃[86˚F] and RH 80% in the ceiling or fresh air is inducted into the ceiling, and additional insulation is required (polyethylene foam, thickness 10mm[3/8"] or more)
3. Ceiling type panel model code : PC4NUDMAN

Table of descriptions			
1	Refrigerant gas pipe	7	Suction rim for Booster fan
2	Refrigerant liquid pipe	8	Decoration cover
3	Condensate drain	9	Drain hose
4	Power & Comm. wiring conduits	10	Fresh air intake knock out hole
5	Air discharge opening	11	Display window
6	Air suction grille	12	Infrared receiver

4 Dimensional drawing

Indoor : 360 Cassette

AC090KN4DKH/EU, AC100KN4DKH/EU, AC120KN4DKH/EU, AC140KN4DKH/EU



Note

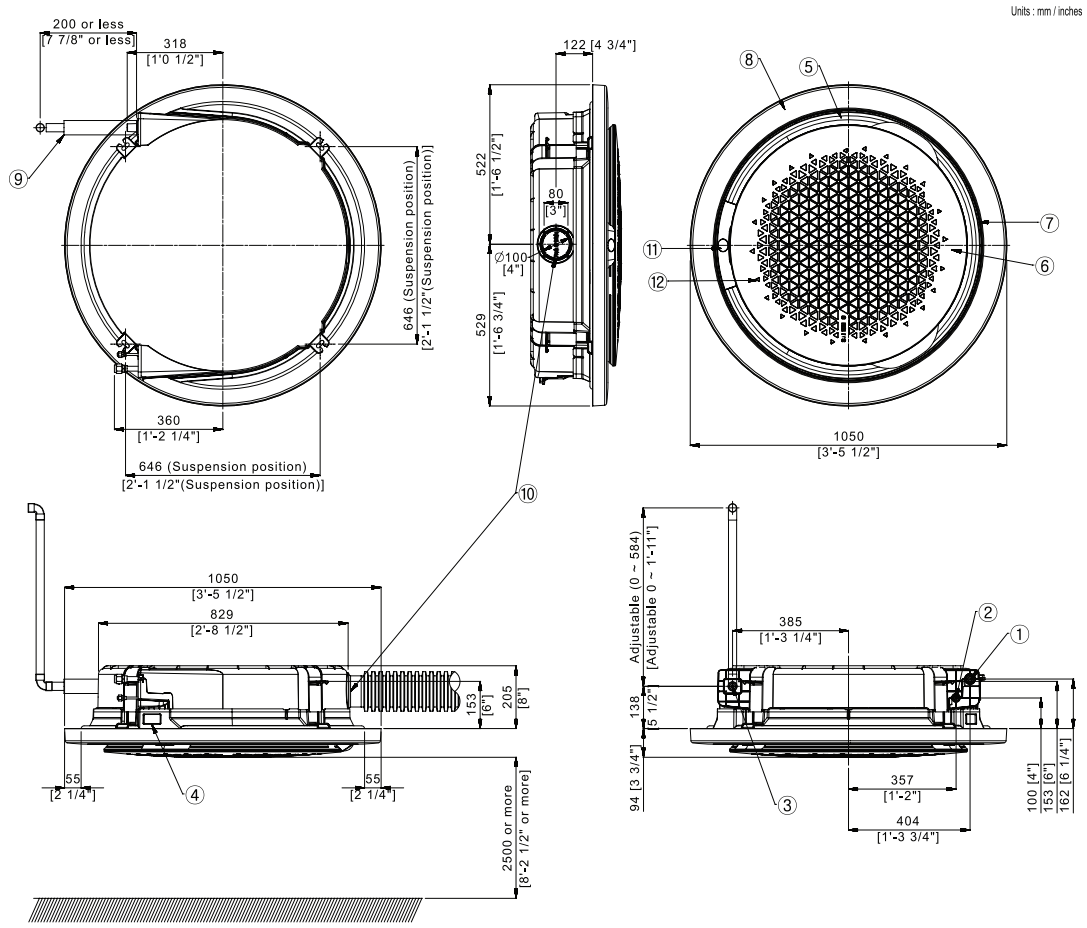
1. Make sure the spacing between the ceiling and the cassette is no more than 29mm[1 1/4"]. Max ceiling opening : 960mm[3'-1 3/4"]
2. When the conditions exceed 30℃ and RH 80% in the ceiling or fresh air is inducted into the ceiling, and additional insulation is required (polyethylene foam, thickness 10mm[3/8"] or more)
3. Ceiling type panel model code : PC4NUDMAN

Table of descriptions			
1	Refrigerant gas pipe	7	Suction rim for Booster fan
2	Refrigerant liquid pipe	8	Corner decoration cover
3	Condensate drain	9	Drain hose
4	Power & Comm. wiring conduits	10	Fresh air intake knock out hole
5	Air discharge opening	11	Display window
6	Air suction grille	12	Infrared receiver

4 Dimensional drawing

Indoor : 360 Cassette

AC071KN4DKH/EU



Note

1. Make sure the spacing between the ceiling and the cassette is no more than 10mm[3/8"].
2. When the conditions exceed 30℃[86˚F] and RH 80% in the ceiling or fresh air is inducted into the ceiling, and additional insulation is required (polyethylene foam, thickness 10mm[3/8"] or more)
3. Open type panel model code : PC4NUNMAN
4. The circular panel is by default available in exposed installation.
5. Make inspection holes on the ceiling for easier installation and maintenance, as shown in the following table.
(The size of an inspection hole must be at least 450 mm x 450 mm.)
6. A suspended ceiling structure can substitute for the inspection holes.

Category	Inspection hole		
	Recessed installation		Exposed installation
	Integrated	Suspended	
Square panel	1 ea	-	
Circular panel	2 ea		

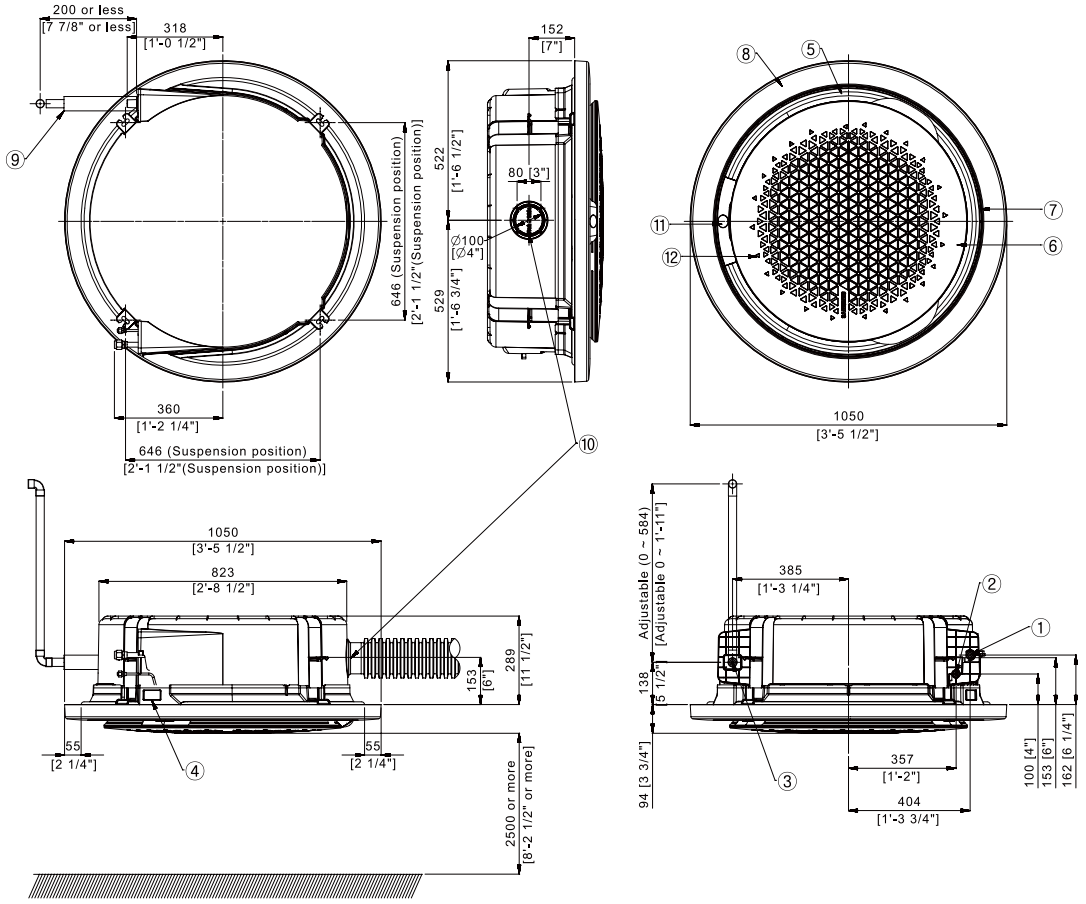
Table of descriptions			
1	Refrigerant gas pipe	7	Suction rim for Booster fan
2	Refrigerant liquid pipe	8	Decoration cover
3	Condensate drain	9	Drain hose
4	Power & Comm. wiring conduits	10	Fresh air intake knock out hole
5	Air discharge opening	11	Display window
6	Air suction grille	12	Infrared receiver

4 Dimensional drawing

Indoor : 360 Cassette

AC090KN4DKH/EU, AC100KN4DKH/EU, AC120KN4DKH/EU, AC140KN4DKH/EU

Units : mm / inches



Note

1. Make sure the spacing between the ceiling and the cassette is no more than 10mm[3/8"].
2. When the conditions exceed 30℃[86˚F] and RH 80% in the ceiling or fresh air is inducted into the ceiling, and additional insulation is required (polyethylene foam, thickness 10mm[3/8"] or more)
3. Open type panel model code : PC4NUNMAN
4. The circular panel is by default available in exposed installation.
5. Make inspection holes on the ceiling for easier installation and maintenance, as shown in the following table.
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Category	Inspection hole		
	Recessed installation		Exposed installation
	Integrated	Suspended	
Square panel	1 ea	-	
Circular panel	2 ea		

Table of descriptions			
1	Refrigerant gas pipe	7	Suction rim for Booster fan
2	Refrigerant liquid pipe	8	Decoration cover
3	Condensate drain	9	Drain hose
4	Power & Comm. wiring conduits	10	Fresh air intake knock out hole
5	Air discharge opening	11	Display window
6	Air suction grille	12	Infrared receiver

4 Dimensional drawing

Outdoor

AC071KX4DKH/EU

Units : mm / inches

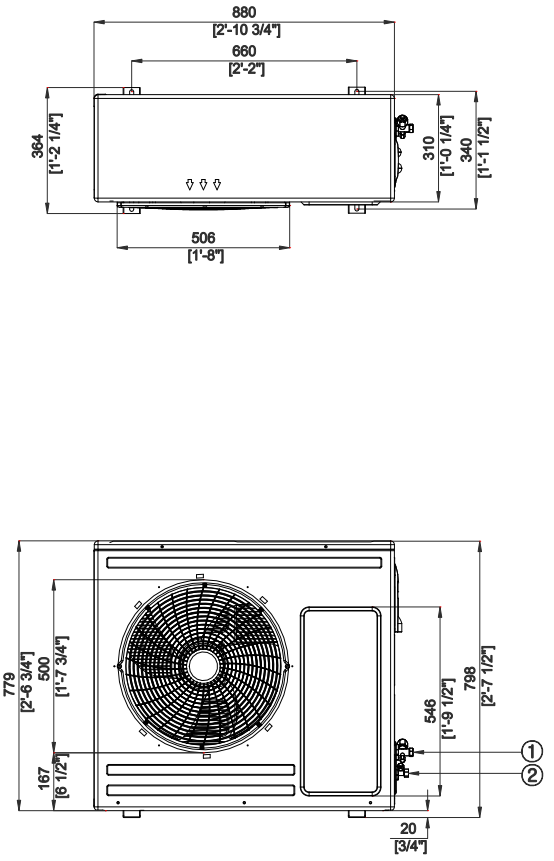


Table of descriptions			
1	Refrigerant gas pipe	7	
2	Refrigerant liquid pipe	8	
3	Power & Comm. wiring conduits	9	
4		10	
5		11	
6		12	

4 Dimensional drawing

Outdoor

AC090KX4DKH/EU, AC100KX4DKH/EU, AC100KX4DNH/EU, AC120KX4DKH/EU, AC120KX4DNH/EU

Units : mm / inches

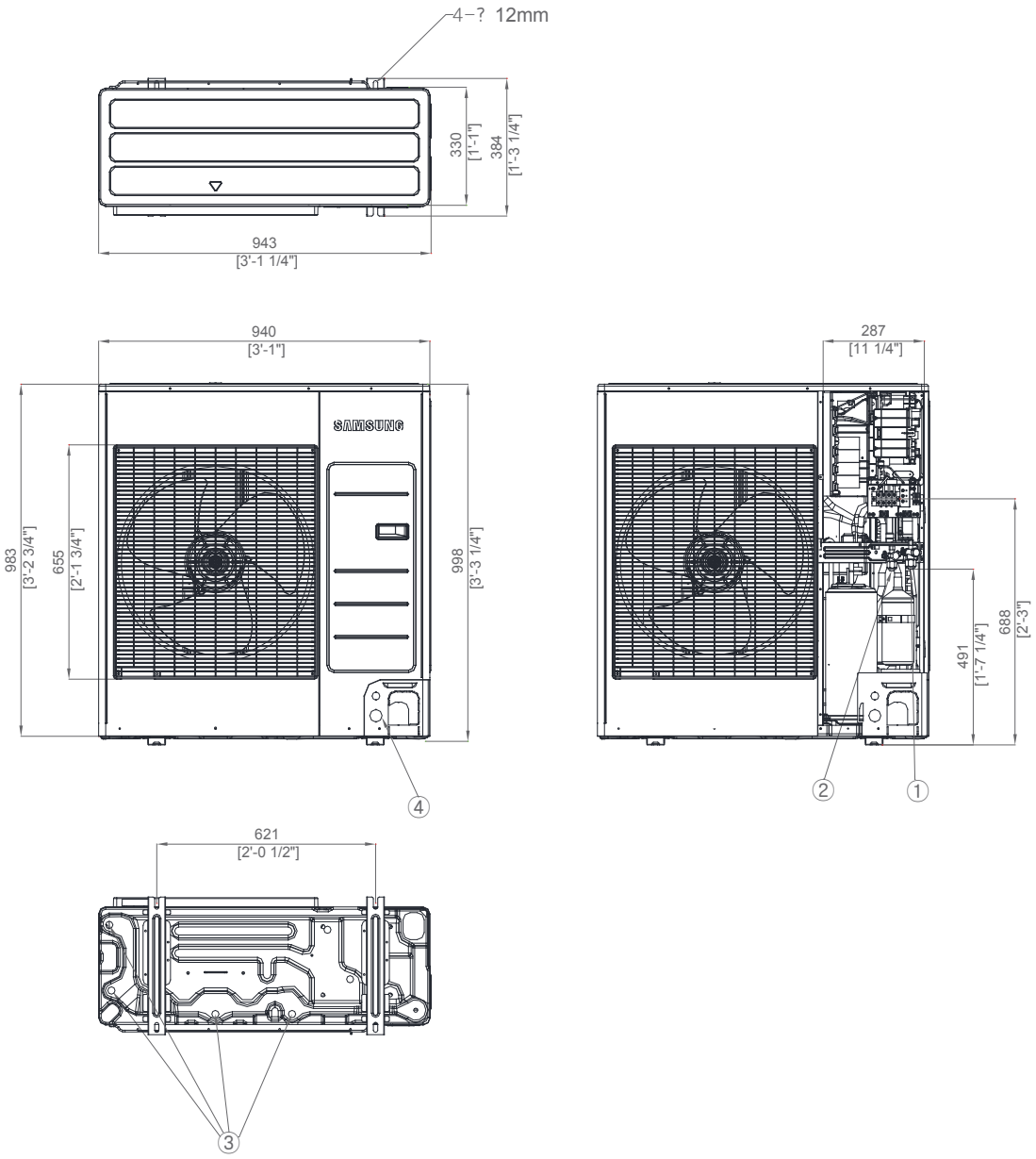


Table of descriptions			
1	Refrigerant gas pipe	7	
2	Refrigerant liquid pipe	8	
3	Drain Hole	9	
4	Power & Comm. wiring conduits	10	
5		11	
6		12	

4 Dimensional drawing

Outdoor

AC140KX4DKH/EU, AC140KX4DNH/EU

Units : mm / inches

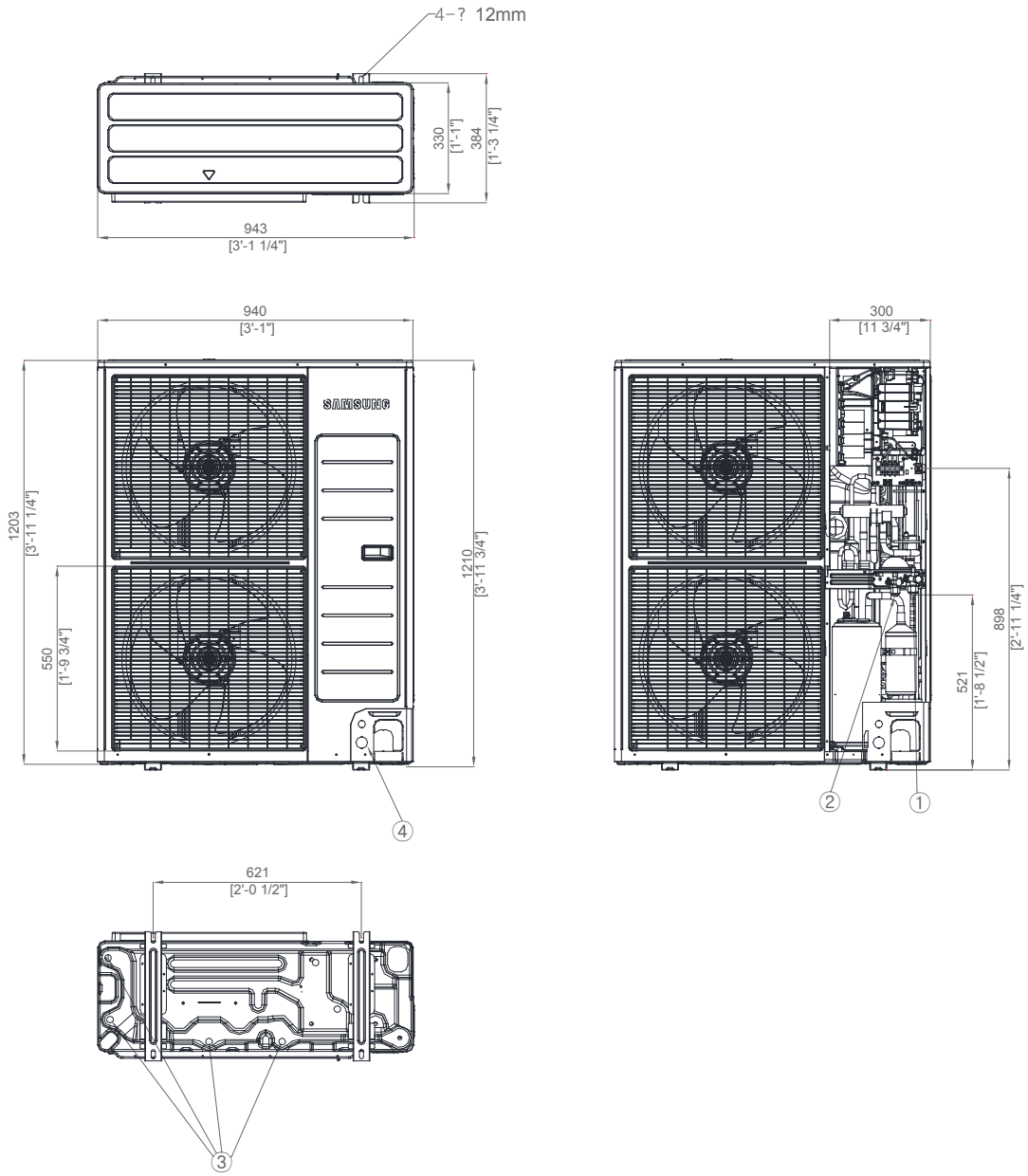
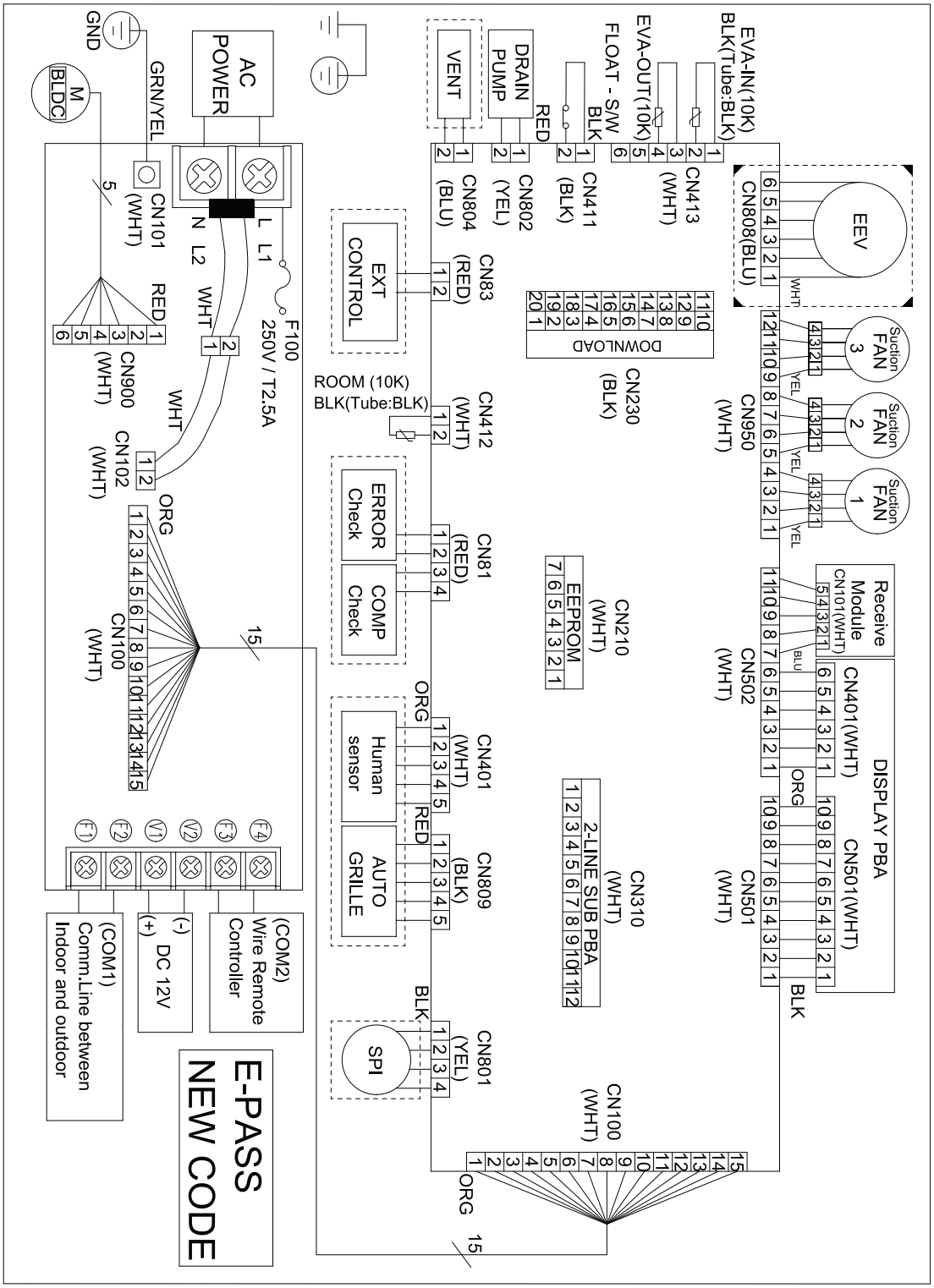


Table of descriptions			
1	Refrigerant gas pipe	7	
2	Refrigerant liquid pipe	8	
3	Drain Hole	9	
4	Power & Comm. wiring conduits	10	
5		11	
6		12	

5 Electrical wiring diagram

Indoor : 360 Cassette

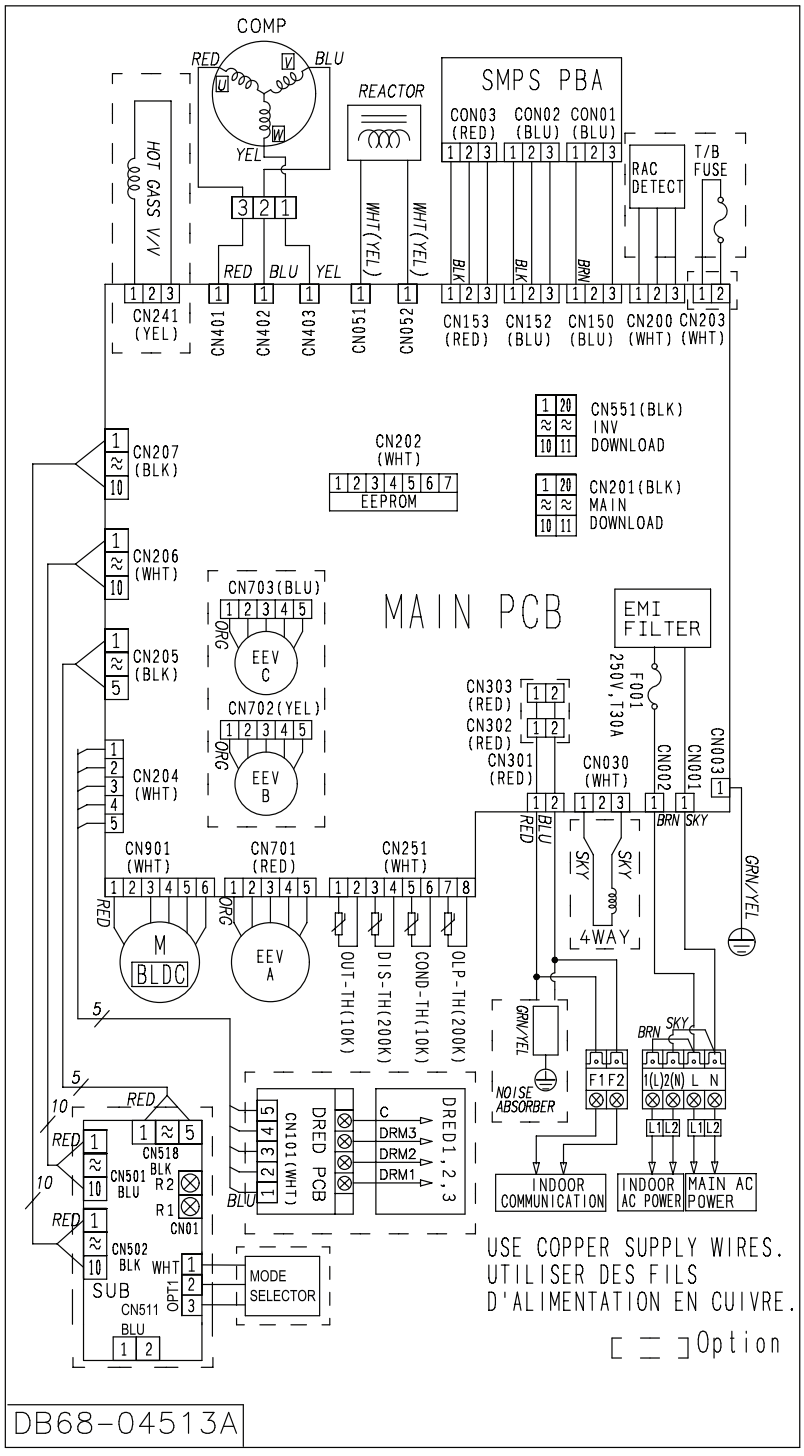
AC071KN4DKH/EU, AC090KN4DKH/EU, AC100KN4DKH/EU, AC120KN4DKH/EU, AC140KN4DKH/EU



5 Electrical wiring diagram

Outdoor

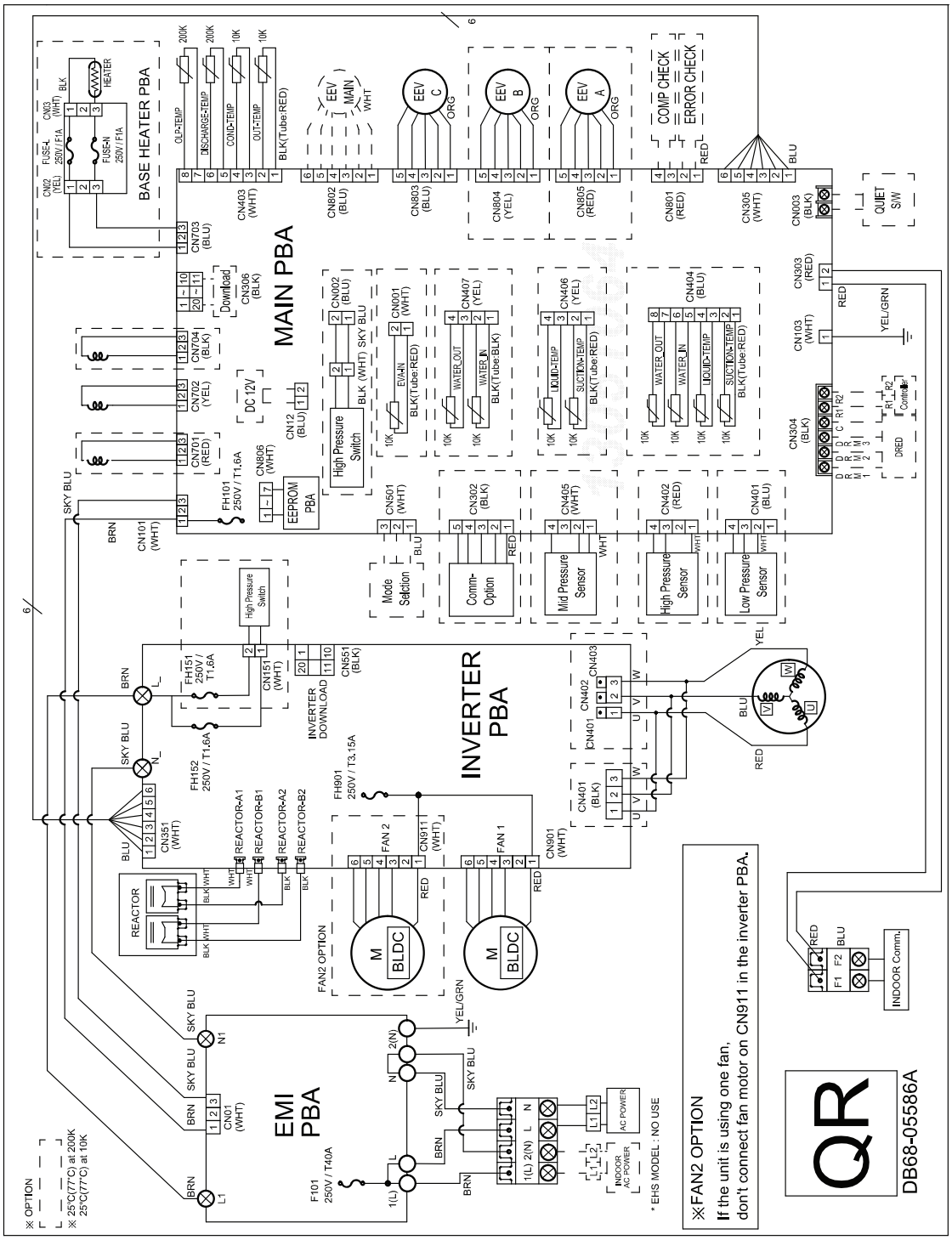
AC071KX4DKH/EU



5 Electrical wiring diagram

Outdoor

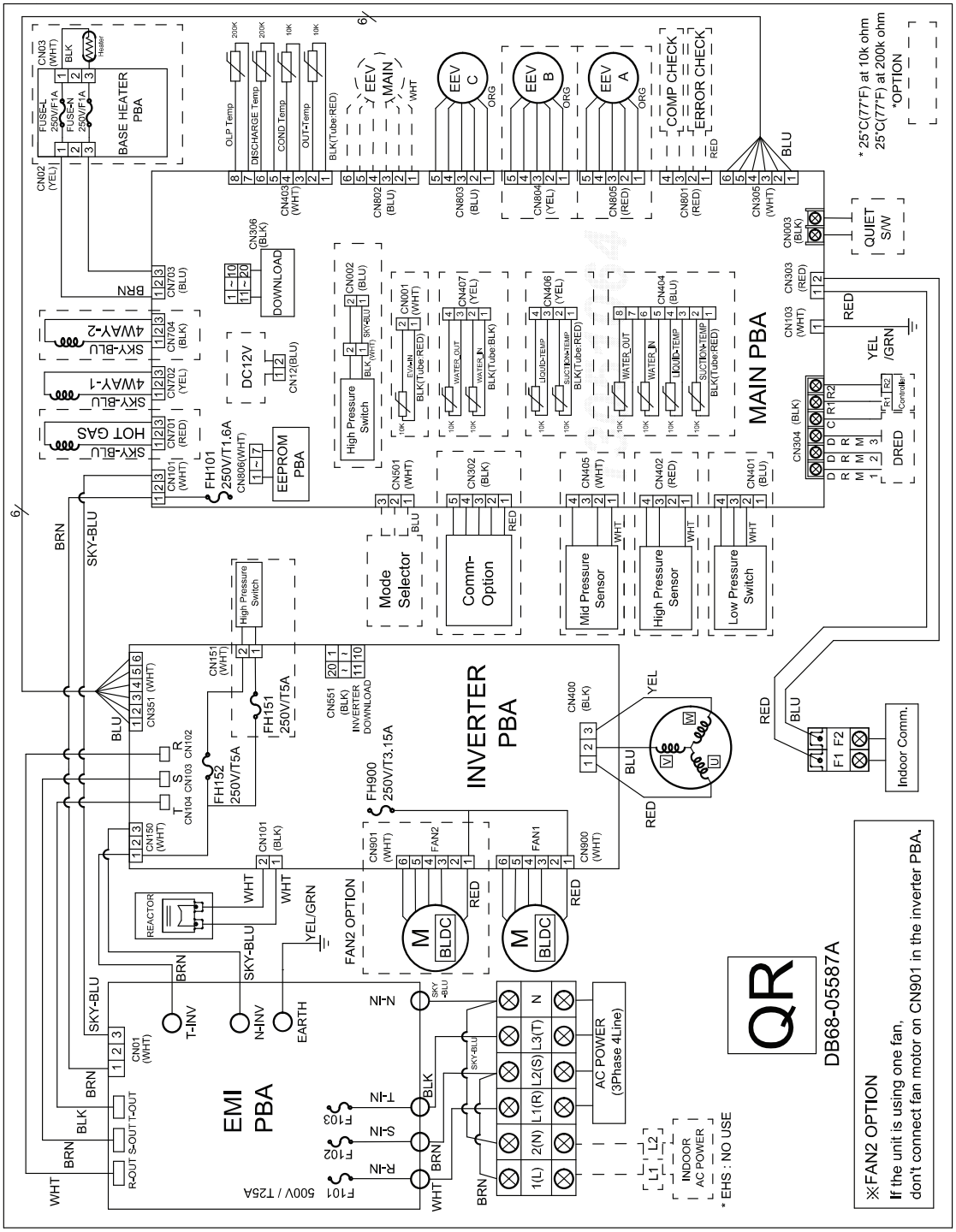
AC090KX4DKH/EU, AC100KX4DKH/EU, AC120KX4DKH/EU, AC140KX4DKH/EU



5 Electrical wiring diagram

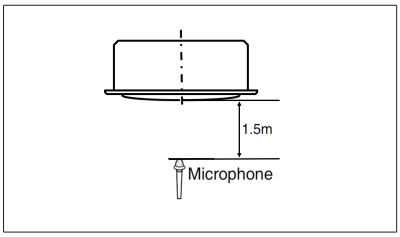
Outdoor

AC100KX4DNH/EU, AC120KX4DNH/EU, AC140KX4DNH/EU



6 Sound pressure level

Indoor : 360 Cassette



Unit: dB(A)

Model	High	Low
AC071KN4DKH/EU (ODU : AC071KX4DKH/EU)	36	29
AC090KN4DKH/EU (ODU : AC090KX4DKH/EU)	43	33
AC100KN4DKH/EU (ODU : AC100KX4DNH/EU)	44	33
AC100KN4DKH/EU (ODU : AC100KX4DKH/EU)	44	33

Note

* Specifications may be subject to change without prior notice

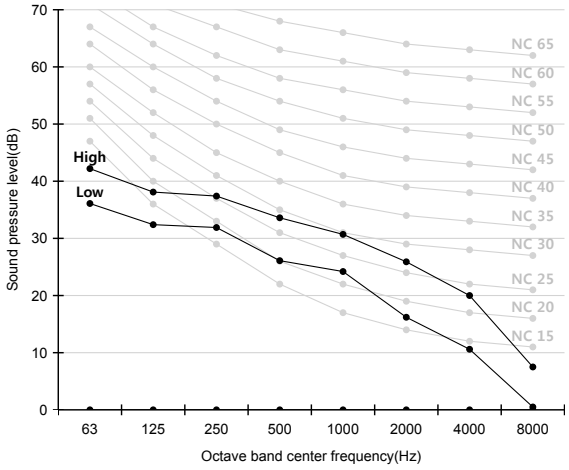
1) These operation values were obtained in an anechoic room.

2) Sound pressure level will vary depending on a range of factors such as the construction of the particular room where the equipment is installed.

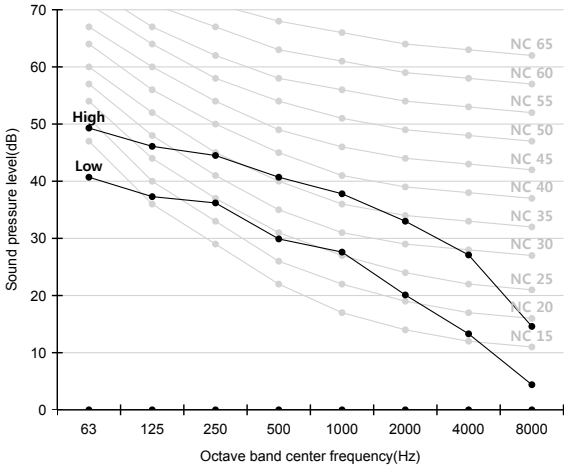
3) Operation sound level may differ depending on operation and ambient conditions.

NC curve

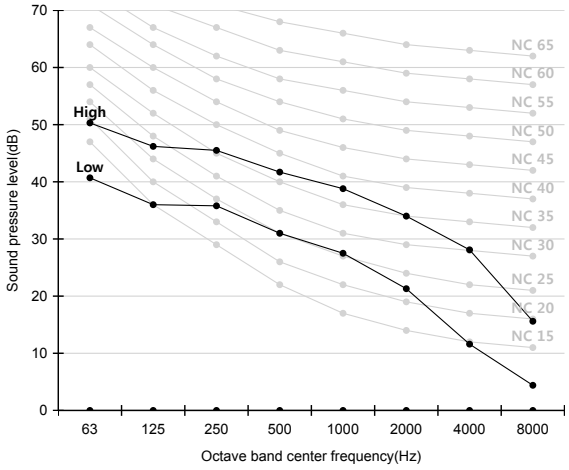
1) AC071KN4DKH/EU (ODU : AC071KX4DKH/EU)



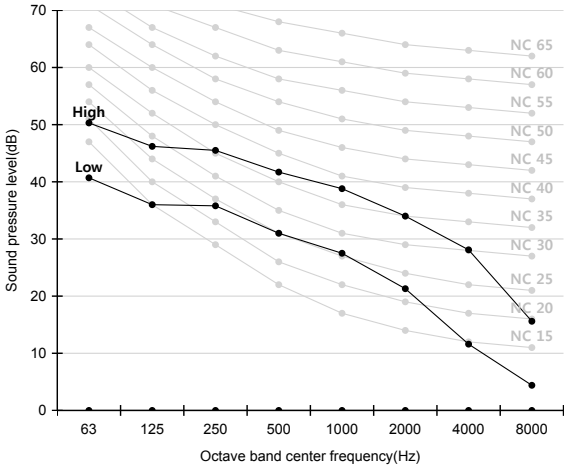
2) AC090KN4DKH/EU (ODU : AC090KX4DKH/EU)



3) AC100KN4DKH/EU (ODU : AC100KX4DNH/EU)

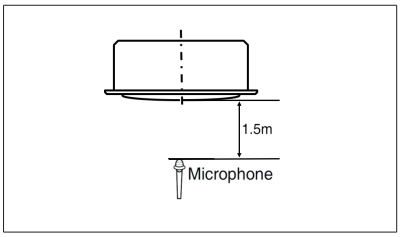


4) AC100KN4DKH/EU (ODU : AC100KX4DKH/EU)



6 Sound pressure level

Indoor : 360 Cassette



Unit: dB(A)

Model	High	Low
AC120KN4DKH/EU (ODU : AC120KX4DNH/EU)	45	35
AC120KN4DKH/EU (ODU : AC120KX4DKH/EU)	45	35
AC140KN4DKH/EU (ODU : AC140KX4DNH/EU)	45	37
AC140KN4DKH/EU (ODU : AC140KX4DKH/EU)	45	37

Note

* Specifications may be subject to change without prior notice

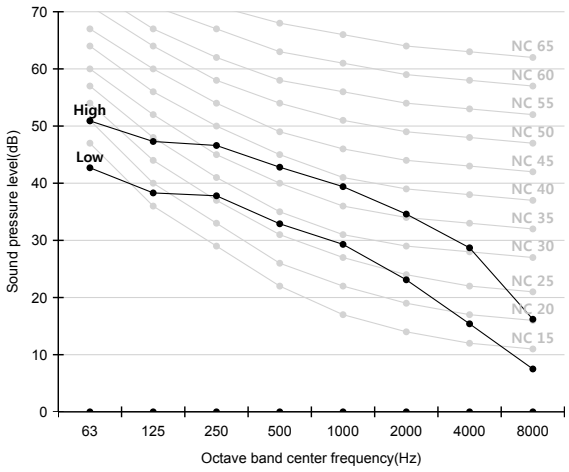
1) These operation values were obtained in an anechoic room.

2) Sound pressure level will vary depending on a range of factors such as the construction of the particular room where the equipment is installed.

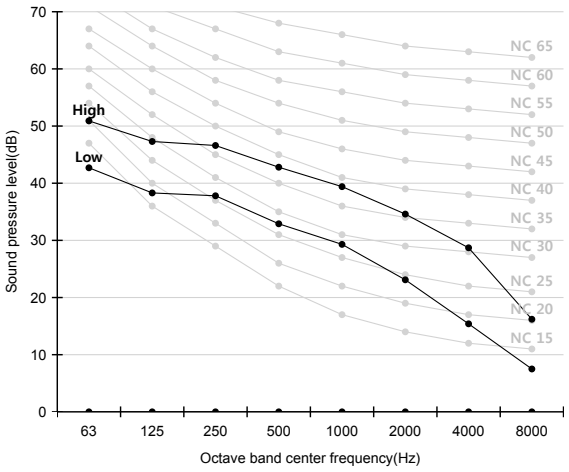
3) Operation sound level may differ depending on operation and ambient conditions.

NC curve

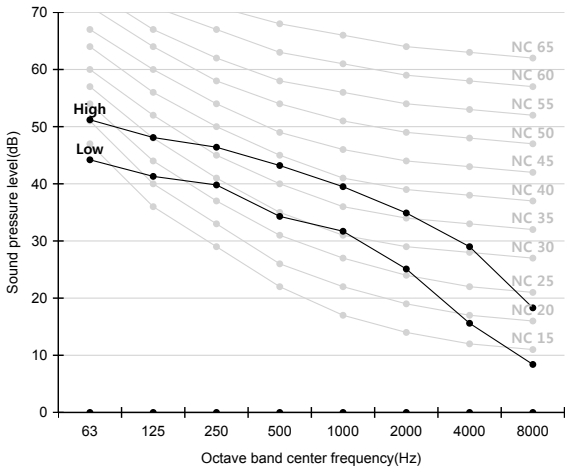
1) AC120KN4DKH/EU (ODU : AC120KX4DNH/EU)



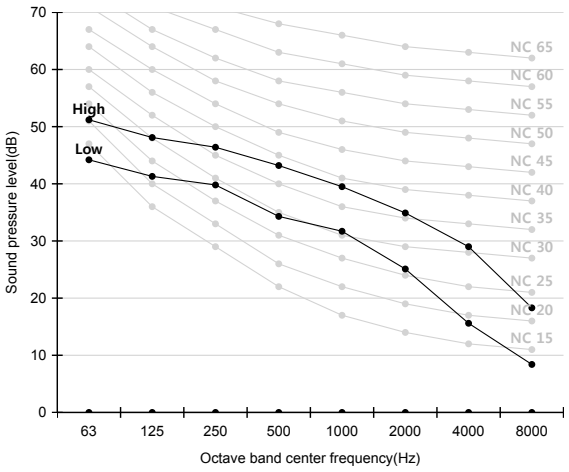
2) AC120KN4DKH/EU (ODU : AC120KX4DKH/EU)



3) AC140KN4DKH/EU (ODU : AC140KX4DNH/EU)

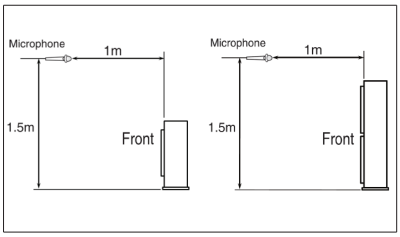


4) AC140KN4DKH/EU (ODU : AC140KX4DKH/EU)



6 Sound pressure level

Outdoor



Unit: dB(A)

Model	Cooling
AC071KX4DKH/EU (IDU : AC071KN4DKH/EU)	49
AC090KX4DKH/EU (IDU : AC090KN4DKH/EU)	52
AC100KX4DNH/EU (IDU : AC100KN4DKH/EU)	52
AC100KX4DKH/EU (IDU : AC100KN4DKH/EU)	52

Note

* Specifications may be subject to change without prior notice

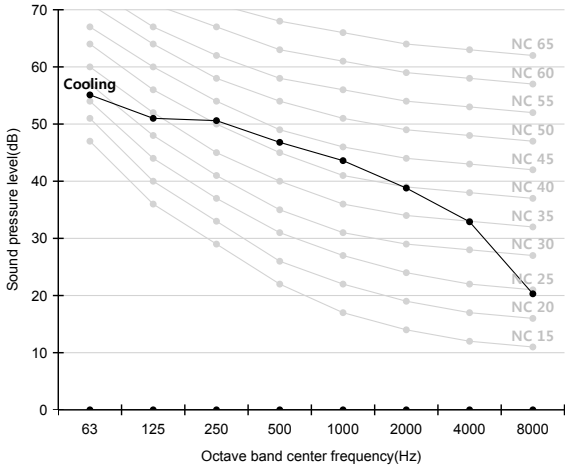
1) These operation values were obtained in an anechoic room.

2) Sound pressure level will vary depending on a range of factors such as the construction of the particular room where the equipment is installed.

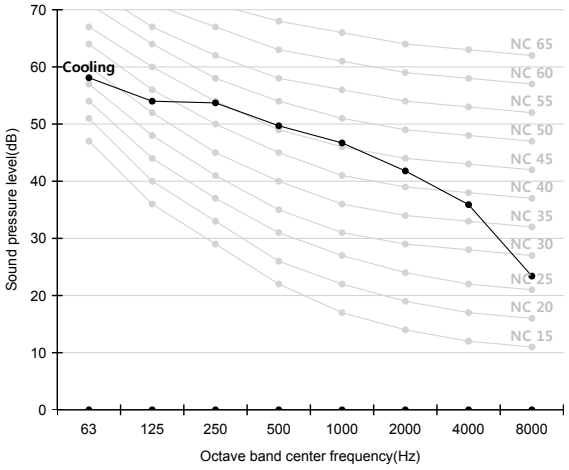
3) Operation sound level may differ depending on operation and ambient conditions.

NC curve

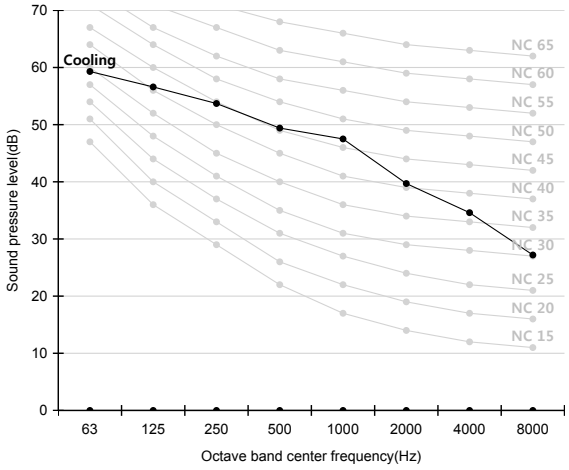
1) AC071KX4DKH/EU (IDU : AC071KN4DKH/EU)



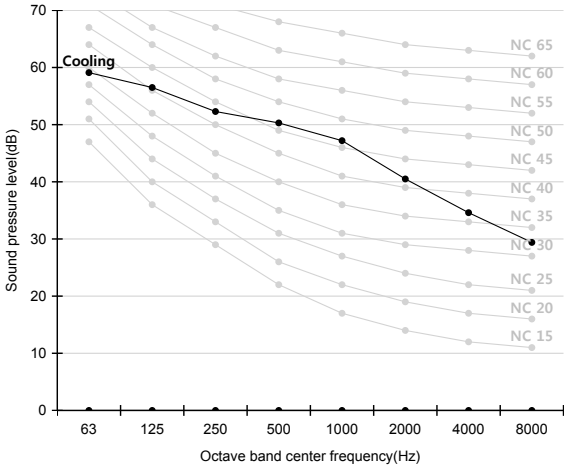
2) AC090KX4DKH/EU (IDU : AC090KN4DKH/EU)



3) AC100KX4DNH/EU (IDU : AC100KN4DKH/EU)

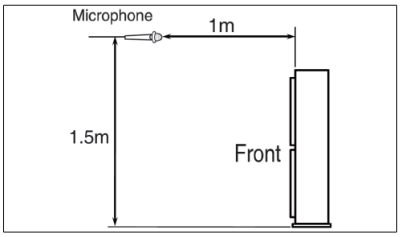


4) AC100KX4DKH/EU (IDU : AC100KN4DKH/EU)



6 Sound pressure level

Outdoor



Unit: dB(A)

Model	Cooling
AC120KX4DNH/EU (IDU : AC120KN4DKH/EU)	54
AC120KX4DKH/EU (IDU : AC120KN4DKH/EU)	54
AC140KX4DNH/EU (IDU : AC140KN4DKH/EU)	53
AC140KX4DKH/EU (IDU : AC140KN4DKH/EU)	53

Note

* Specifications may be subject to change without prior notice

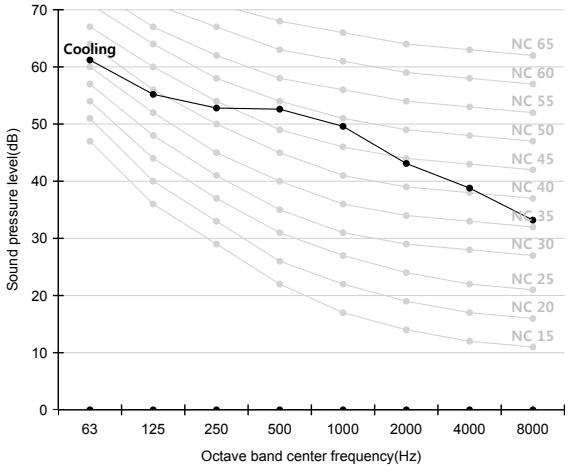
1) These operation values were obtained in an anechoic room.

2) Sound pressure level will vary depending on a range of factors such as the construction of the particular room where the equipment is installed.

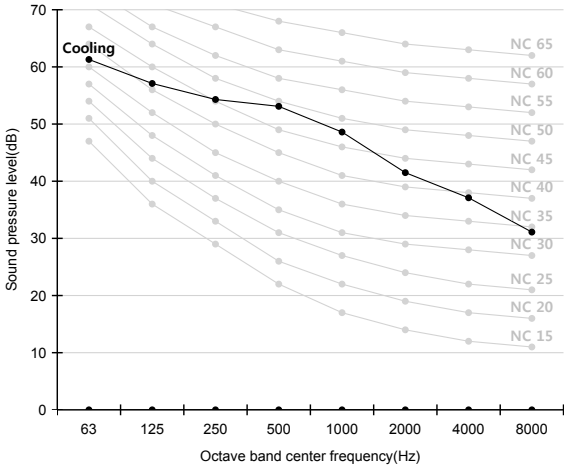
3) Operation sound level may differ depending on operation and ambient conditions.

NC curve

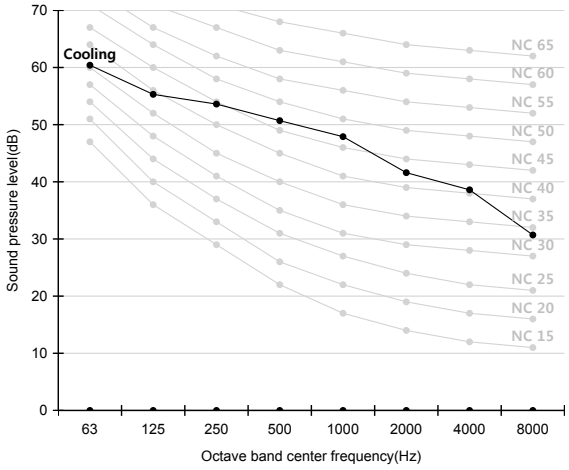
1) AC120KX4DNH/EU (IDU : AC120KN4DKH/EU)



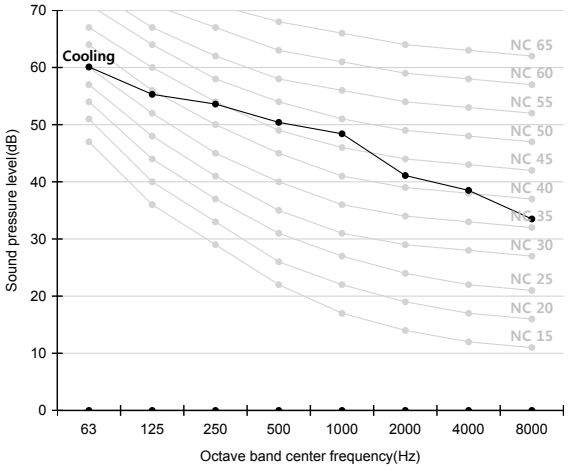
2) AC120KX4DKH/EU (IDU : AC120KN4DKH/EU)



3) AC140KX4DNH/EU (IDU : AC140KN4DKH/EU)



4) AC140KX4DKH/EU (IDU : AC140KN4DKH/EU)



7 Sound power level

Indoor : 360 Cassette

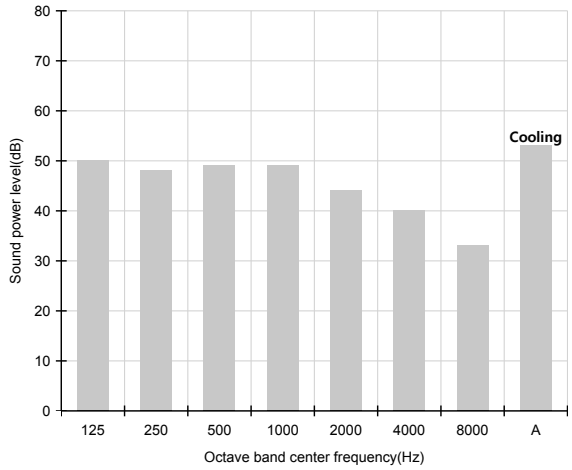
Note

* Specifications may be subject to change without prior notice
1) dBA = A-weighted sound power level.
2) Reference power : 1pW.
3) Measured according to ISO 3741.

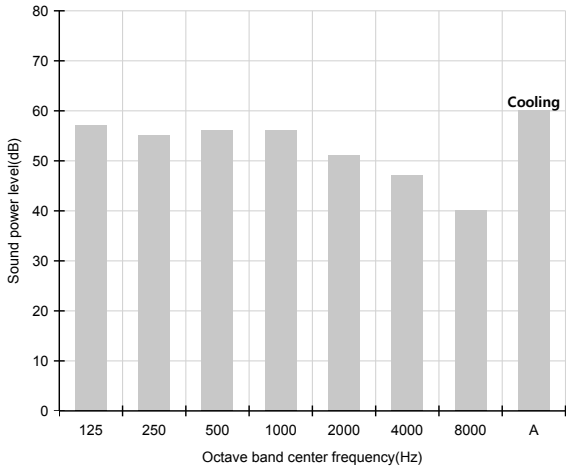
Unit: dB(A)

Model	Power
AC071KN4DKH/EU (ODU : AC071KX4DKH/EU)	53
AC090KN4DKH/EU (ODU : AC090KX4DKH/EU)	60
AC100KN4DKH/EU (ODU : AC100KX4DNH/EU)	61
AC100KN4DKH/EU (ODU : AC100KX4DKH/EU)	61

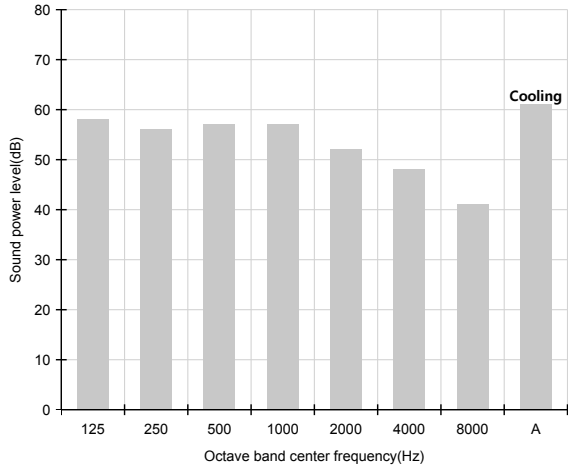
1) AC071KN4DKH/EU (ODU : AC071KX4DKH/EU)



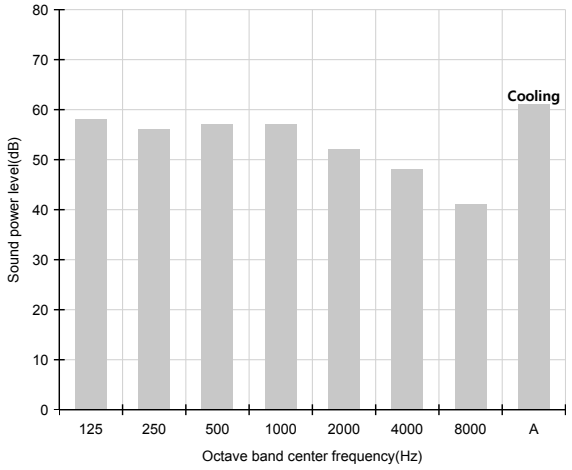
2) AC090KN4DKH/EU (ODU : AC090KX4DKH/EU)



3) AC100KN4DKH/EU (ODU : AC100KX4DNH/EU)



4) AC100KN4DKH/EU (ODU : AC100KX4DKH/EU)



7 Sound power level

Indoor : 360 Cassette

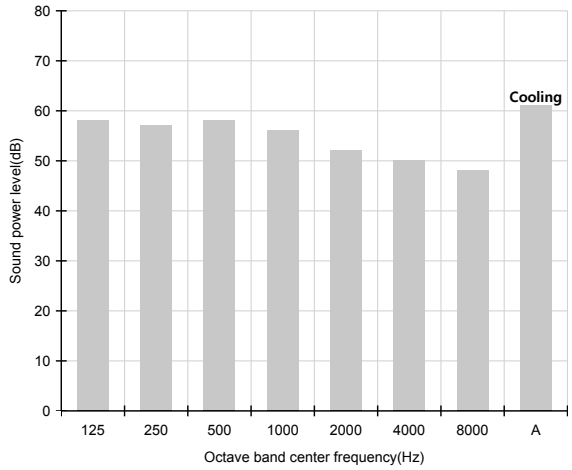
Note

* Specifications may be subject to change without prior notice
1) dBA = A-weighted sound power level.
2) Reference power : 1pW.
3) Measured according to ISO 3741.

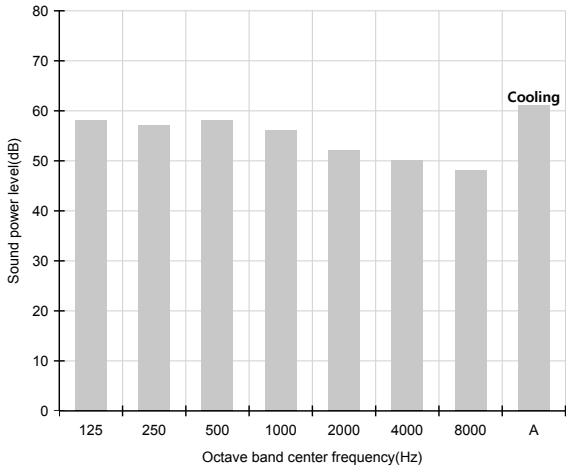
Unit: dB(A)

Model	Power
AC120KN4DKH/EU (ODU : AC120KX4DNH/EU)	61
AC120KN4DKH/EU (ODU : AC120KX4DKH/EU)	61
AC140KN4DKH/EU (ODU : AC140KX4DNH/EU)	61
AC140KN4DKH/EU (ODU : AC140KX4DKH/EU)	61

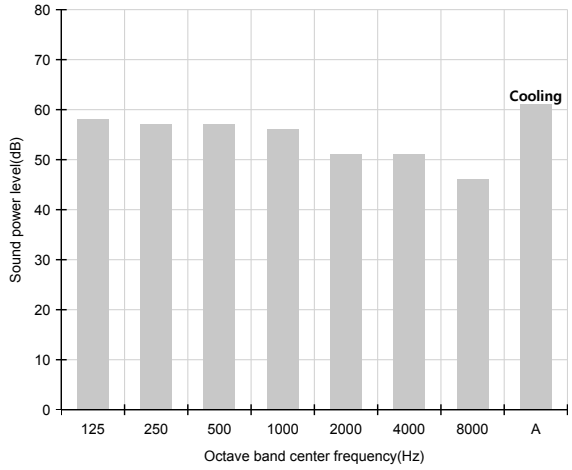
1) AC120KN4DKH/EU (ODU : AC120KX4DNH/EU)



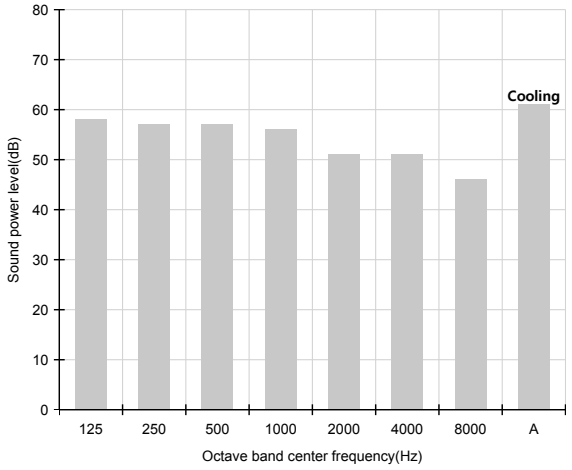
2) AC120KN4DKH/EU (ODU : AC120KX4DKH/EU)



3) AC140KN4DKH/EU (ODU : AC140KX4DNH/EU)



4) AC140KN4DKH/EU (ODU : AC140KX4DKH/EU)



7 Sound power level

Outdoor

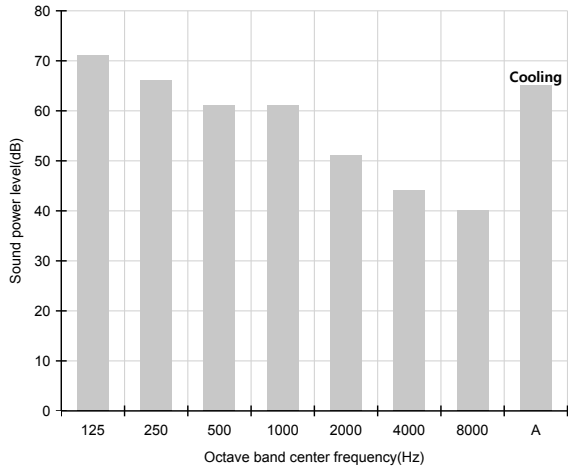
Note

* Specifications may be subject to change without prior notice
1) dBA = A-weighted sound power level.
2) Reference power : 1pW.
3) Measured according to ISO 3741.

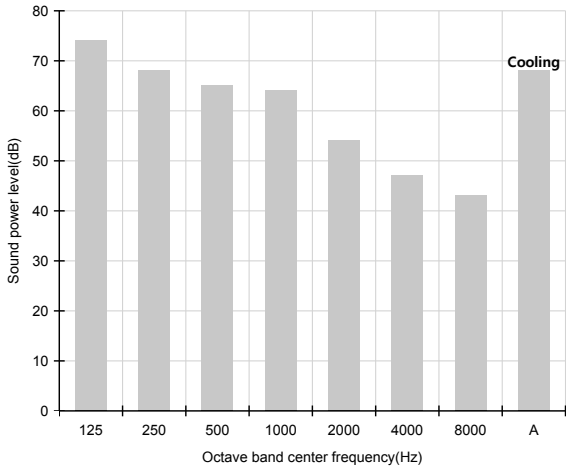
Unit: dB(A)

Model	Power
AC071KX4DKH/EU (IDU : AC071KN4DKH/EU)	65
AC090KX4DKH/EU (IDU : AC090KN4DKH/EU)	68
AC100KX4DNH/EU (IDU : AC100KN4DKH/EU)	69
AC100KX4DKH/EU (IDU : AC100KN4DKH/EU)	69

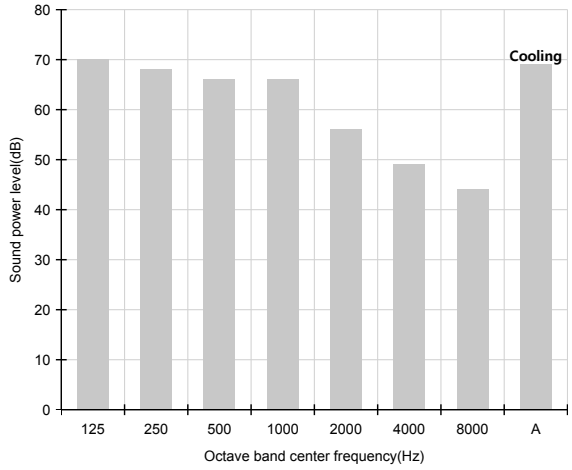
1) AC071KX4DKH/EU (IDU : AC071KN4DKH/EU)



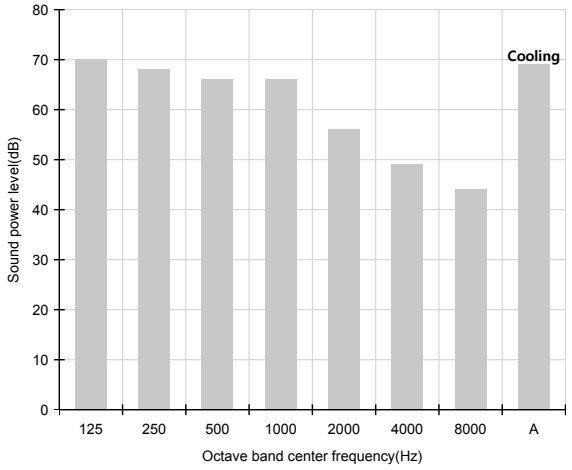
2) AC090KX4DKH/EU (IDU : AC090KN4DKH/EU)



3) AC100KX4DNH/EU (IDU : AC100KN4DKH/EU)



4) AC100KX4DKH/EU (IDU : AC100KN4DKH/EU)



7 Sound power level

Outdoor

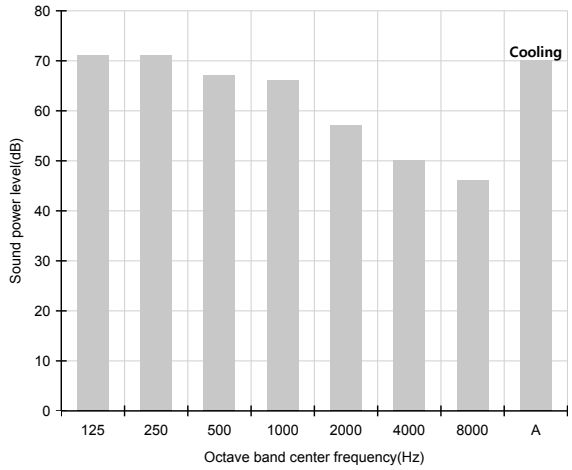
Note

* Specifications may be subject to change without prior notice
1) dBA = A-weighted sound power level.
2) Reference power : 1pW.
3) Measured according to ISO 3741.

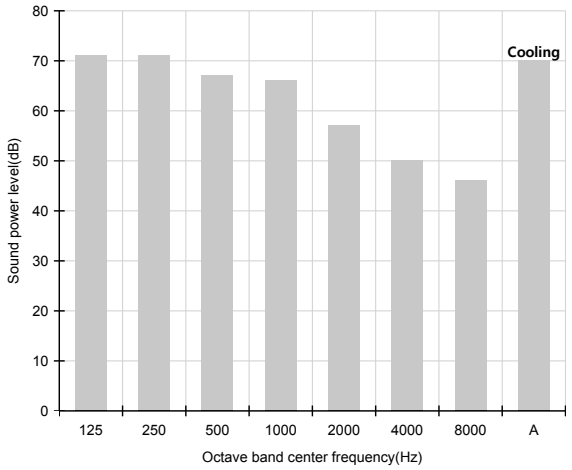
Unit: dB(A)

Model	Power
AC120KX4DNH/EU (IDU : AC120KN4DKH/EU)	70
AC120KX4DKH/EU (IDU : AC120KN4DKH/EU)	70
AC140KX4DNH/EU (IDU : AC140KN4DKH/EU)	69
AC140KX4DKH/EU (IDU : AC140KN4DKH/EU)	69

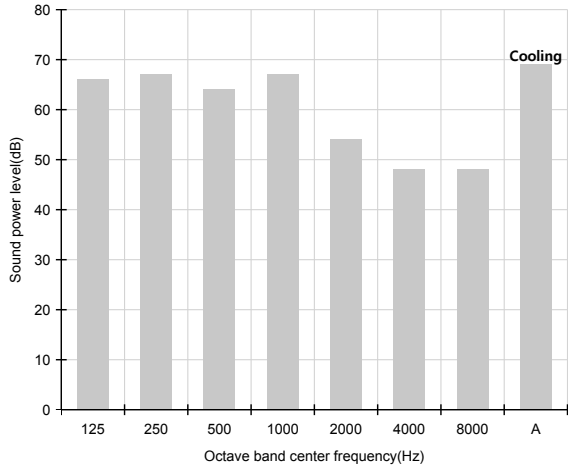
1) AC120KX4DNH/EU (IDU : AC120KN4DKH/EU)



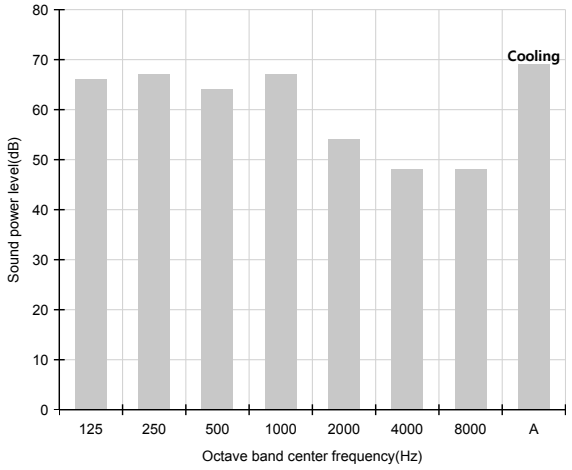
2) AC120KX4DKH/EU (IDU : AC120KN4DKH/EU)



3) AC140KX4DNH/EU (IDU : AC140KN4DKH/EU)



4) AC140KX4DKH/EU (IDU : AC140KN4DKH/EU)



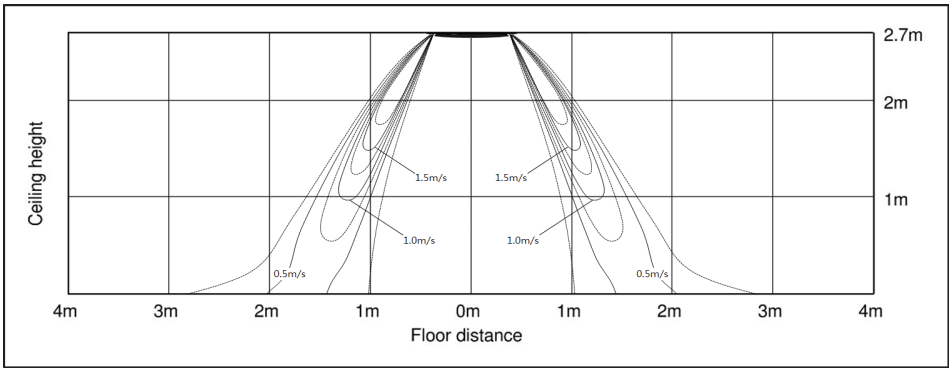
8 Temperature and air flow distribution

Indoor : 360 Cassette

AC071KN4DKH/EU

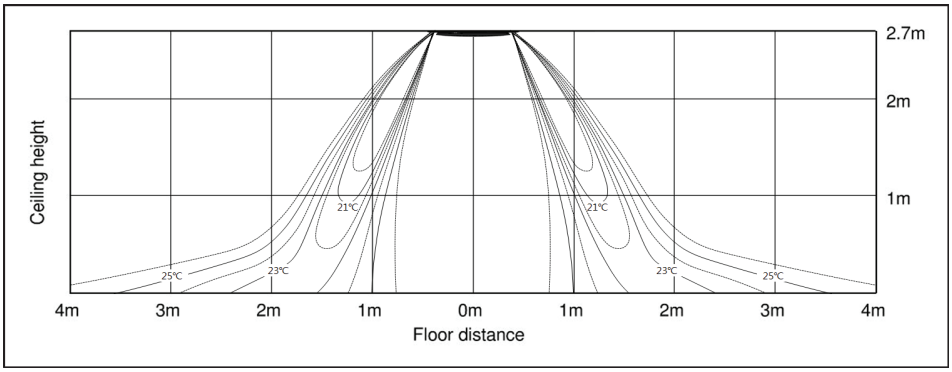
(1) Cooling air velocity distribution

Discharge angle : 60º



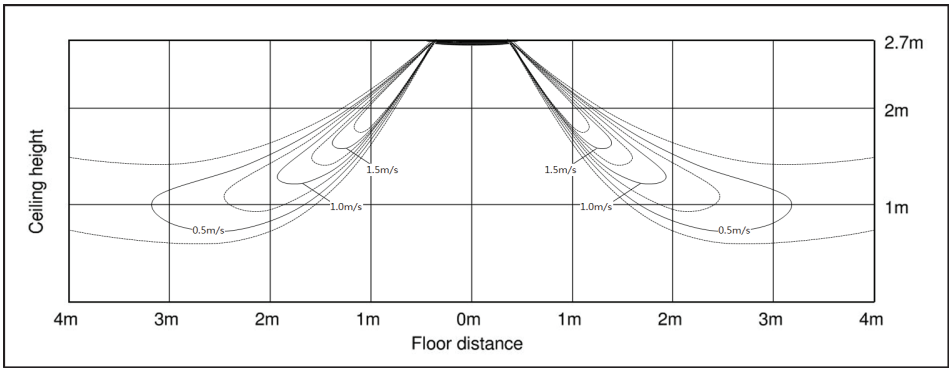
(2) Cooling temperature distribution

Discharge angle : 60º



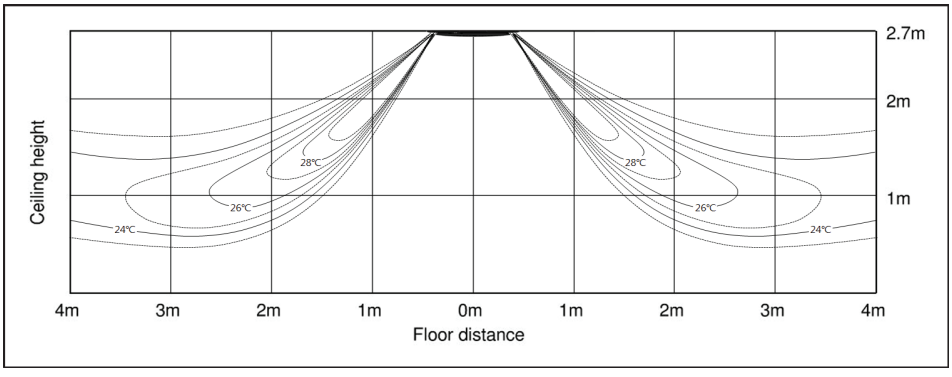
(3) Heating air velocity distribution

Discharge angle : 60º



(4) Heating temperature distribution

Discharge angle : 60º



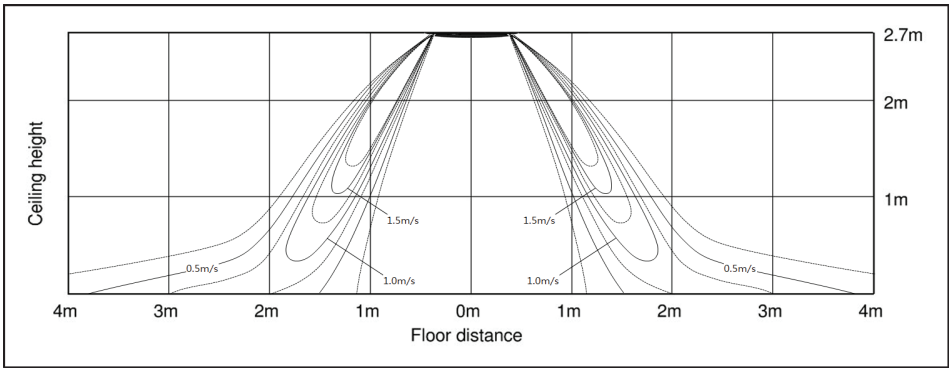
8 Temperature and air flow distribution

Indoor : 360 Cassette

AC090KN4DKH/EU

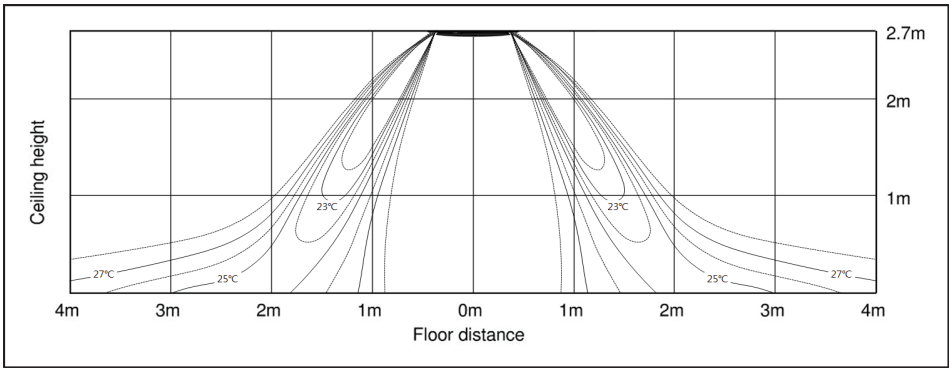
(1) Cooling air velocity distribution

Discharge angle : 60º



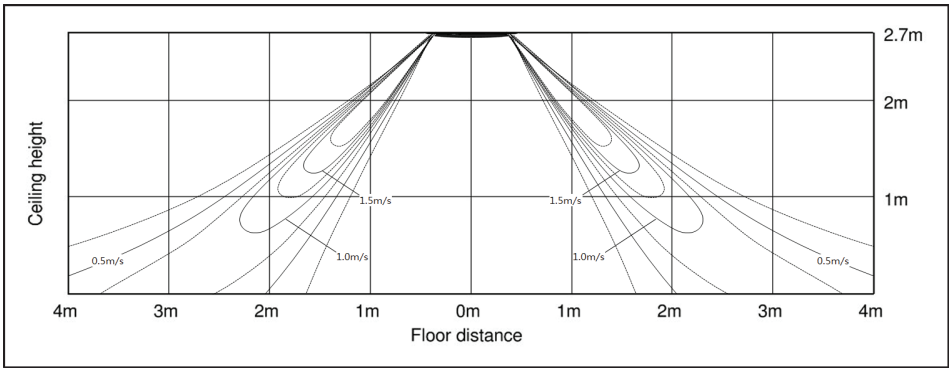
(2) Cooling temperature distribution

Discharge angle : 60º



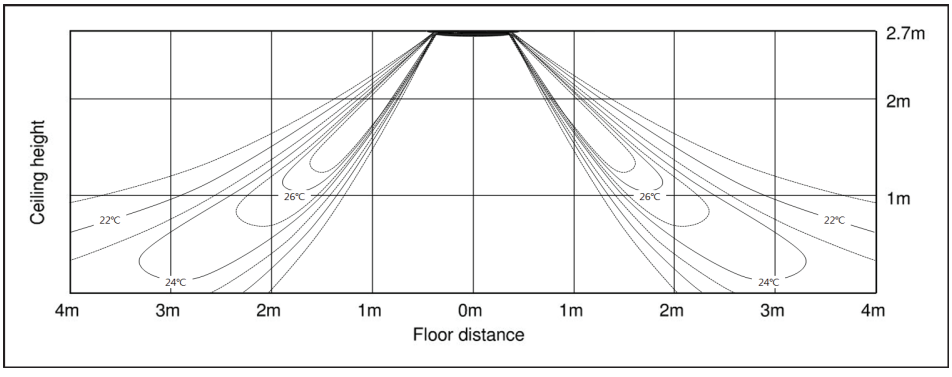
(3) Heating air velocity distribution

Discharge angle : 60º



(4) Heating temperature distribution

Discharge angle : 60º



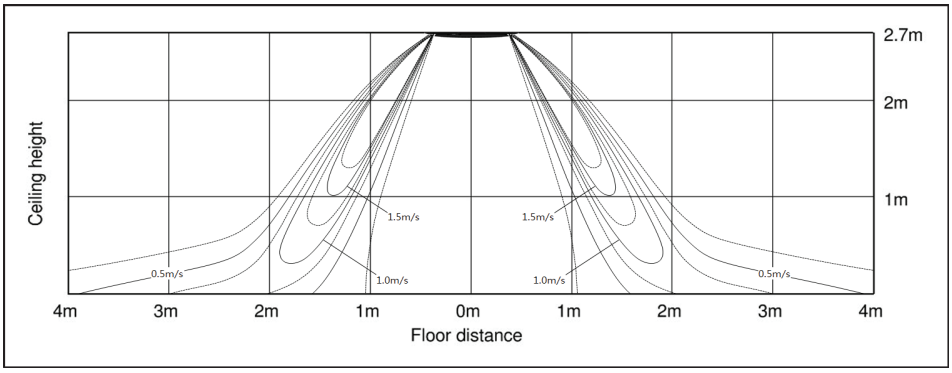
8 Temperature and air flow distribution

Indoor : 360 Cassette

AC100KN4DKH/EU

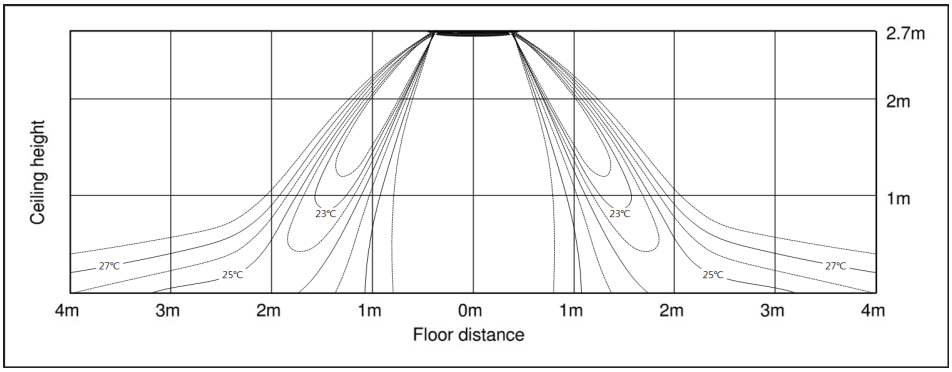
(1) Cooling air velocity distribution

Discharge angle : 60º



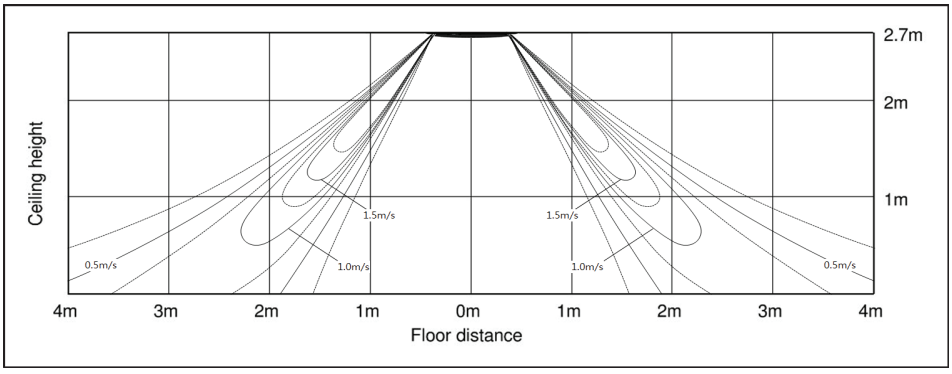
(2) Cooling temperature distribution

Discharge angle : 60º



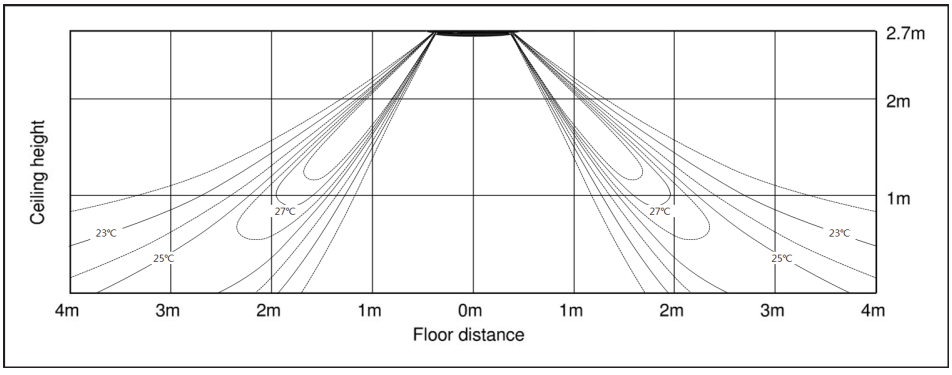
(3) Heating air velocity distribution

Discharge angle : 60º



(4) Heating temperature distribution

Discharge angle : 60º



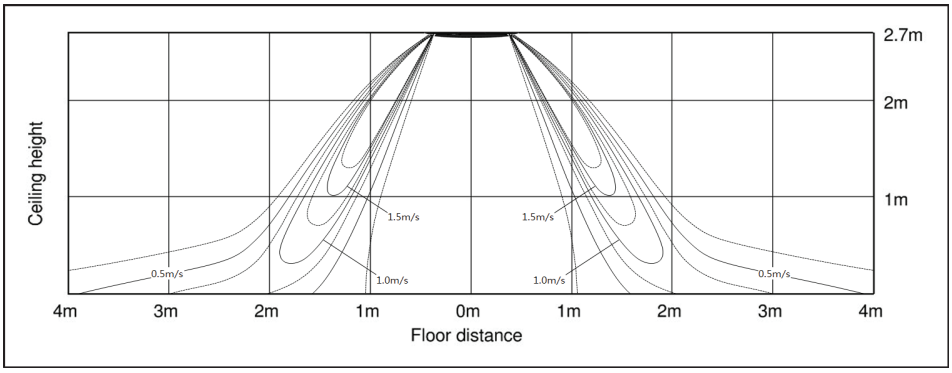
8 Temperature and air flow distribution

Indoor : 360 Cassette

AC100KN4DKH/EU

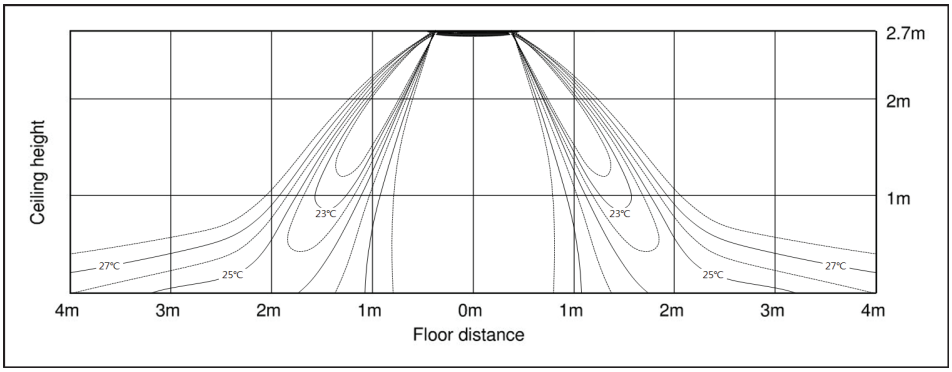
(1) Cooling air velocity distribution

Discharge angle : 60º



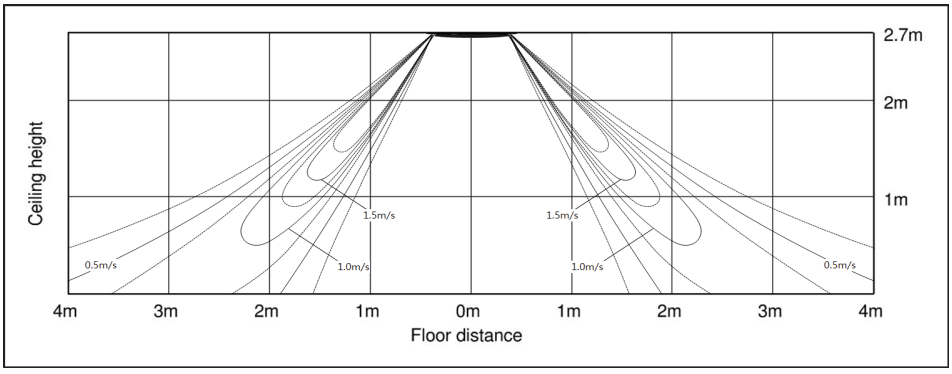
(2) Cooling temperature distribution

Discharge angle : 60º



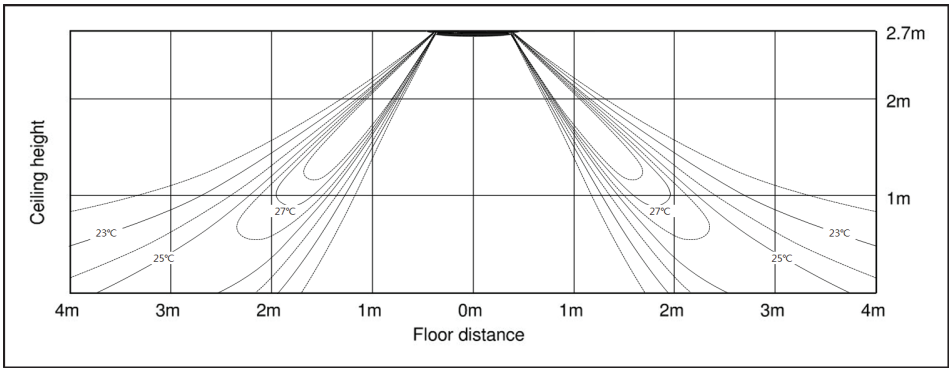
(3) Heating air velocity distribution

Discharge angle : 60º



(4) Heating temperature distribution

Discharge angle : 60º



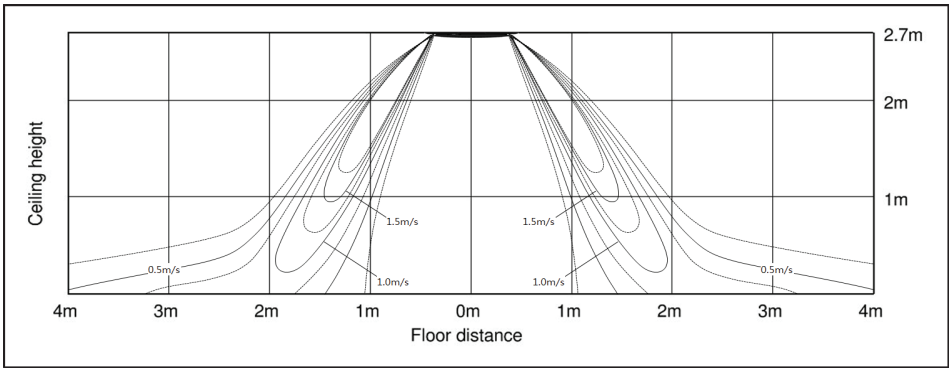
8 Temperature and air flow distribution

Indoor : 360 Cassette

AC120KN4DKH/EU

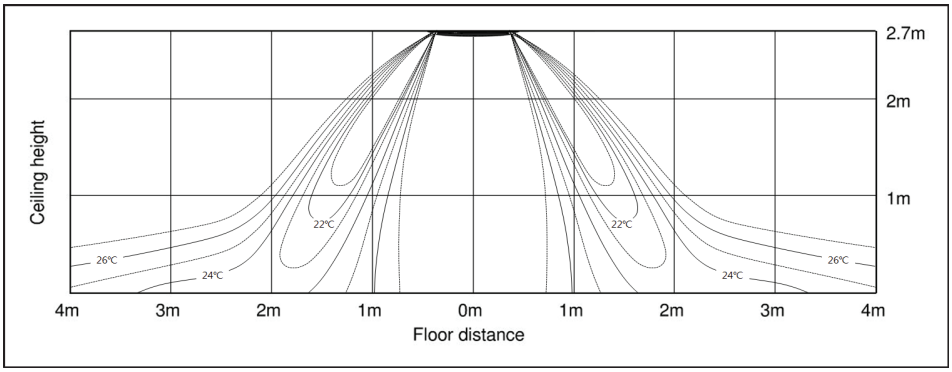
(1) Cooling air velocity distribution

Discharge angle : 60º



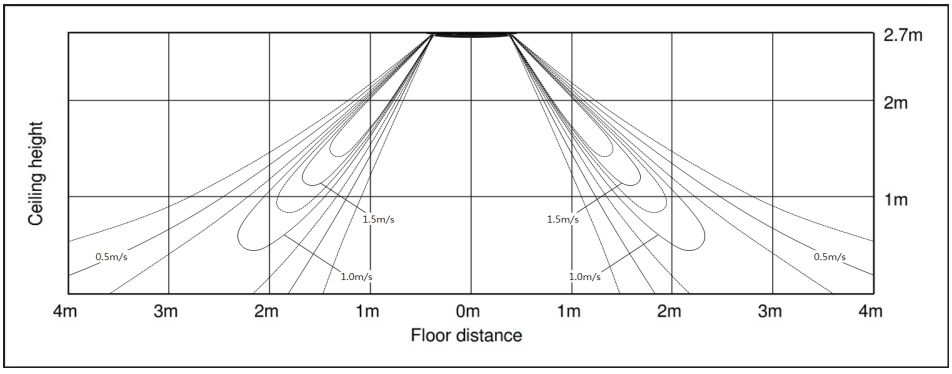
(2) Cooling temperature distribution

Discharge angle : 60º



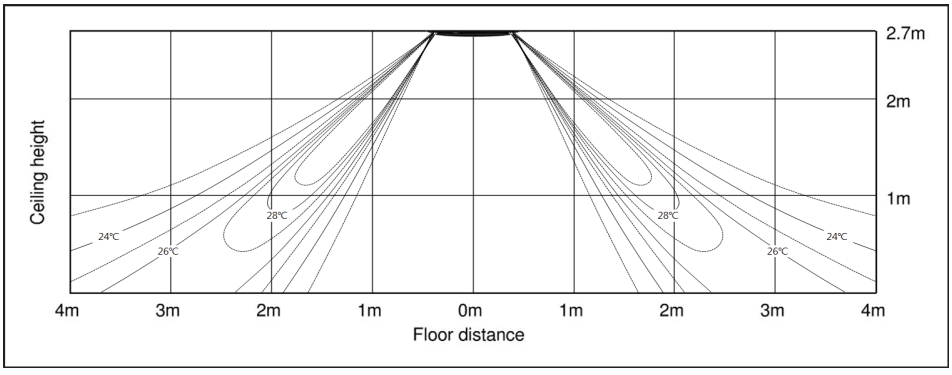
(3) Heating air velocity distribution

Discharge angle : 60º



(4) Heating temperature distribution

Discharge angle : 60º



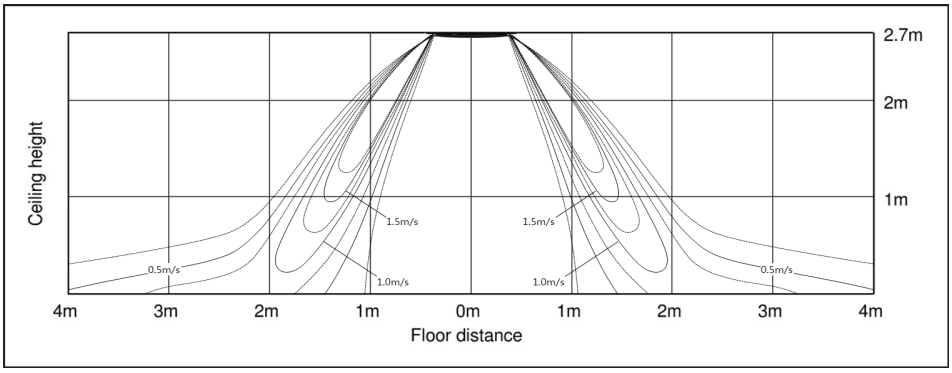
8 Temperature and air flow distribution

Indoor : 360 Cassette

AC120KN4DKH/EU

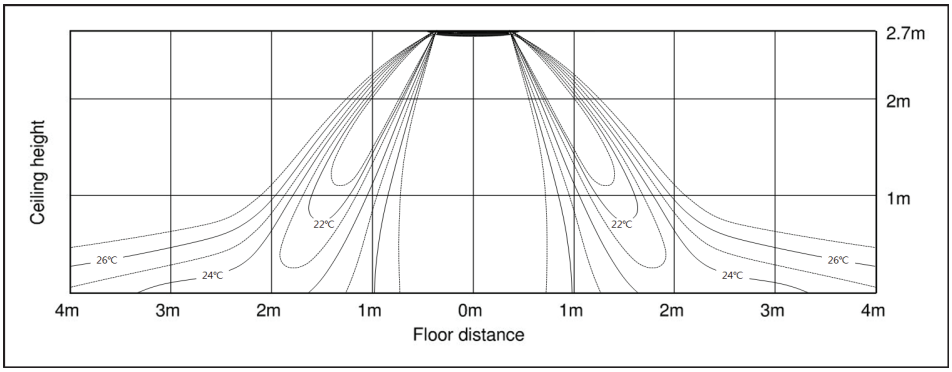
(1) Cooling air velocity distribution

Discharge angle : 60º



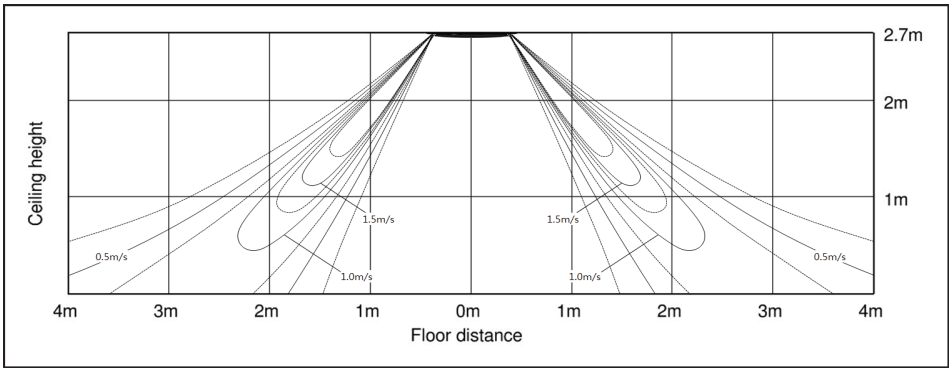
(2) Cooling temperature distribution

Discharge angle : 60º



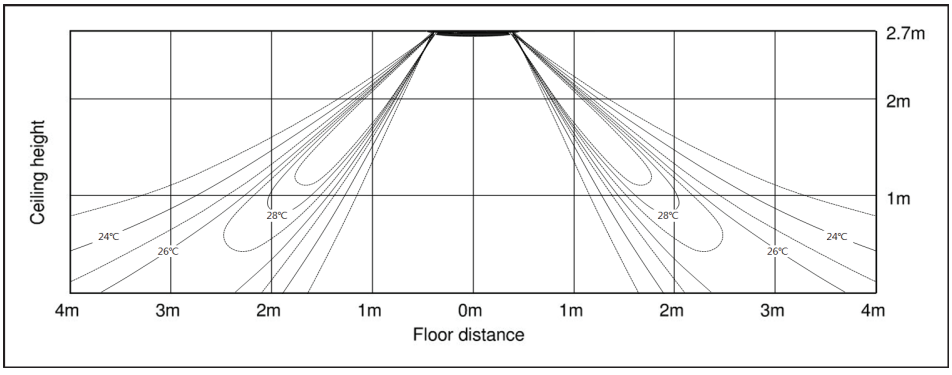
(3) Heating air velocity distribution

Discharge angle : 60º



(4) Heating temperature distribution

Discharge angle : 60º



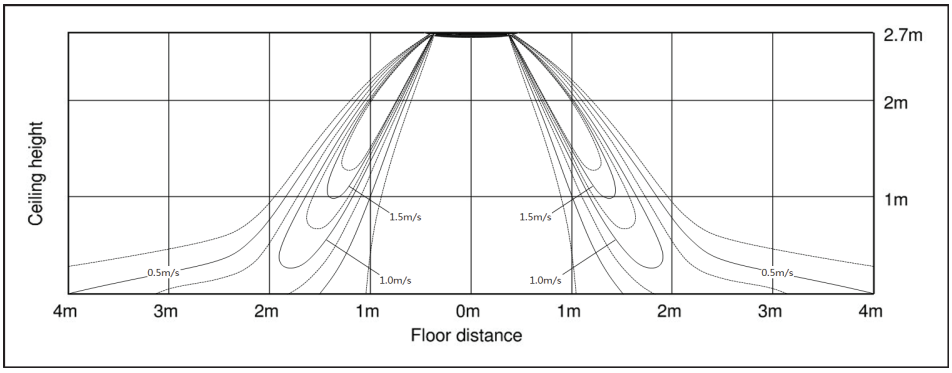
8 Temperature and air flow distribution

Indoor : 360 Cassette

AC140KN4DKH/EU

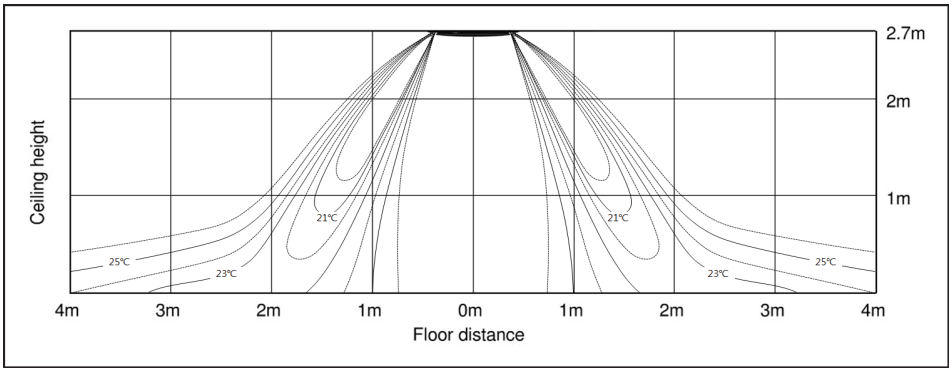
(1) Cooling air velocity distribution

Discharge angle : 60º



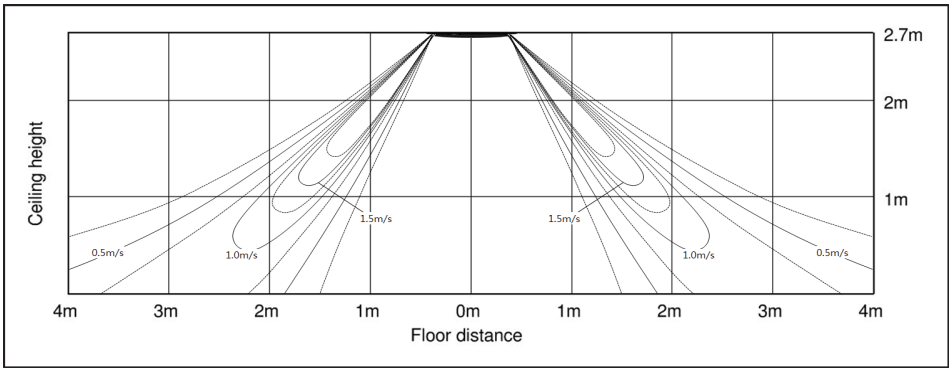
(2) Cooling temperature distribution

Discharge angle : 60º



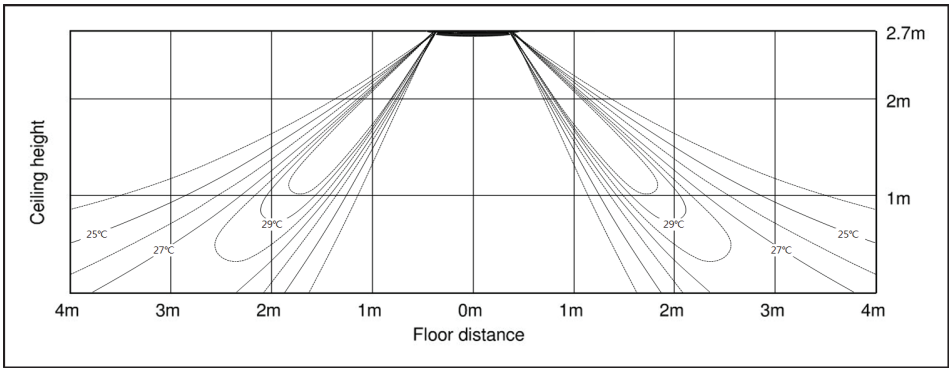
(3) Heating air velocity distribution

Discharge angle : 60º



(4) Heating temperature distribution

Discharge angle : 60º



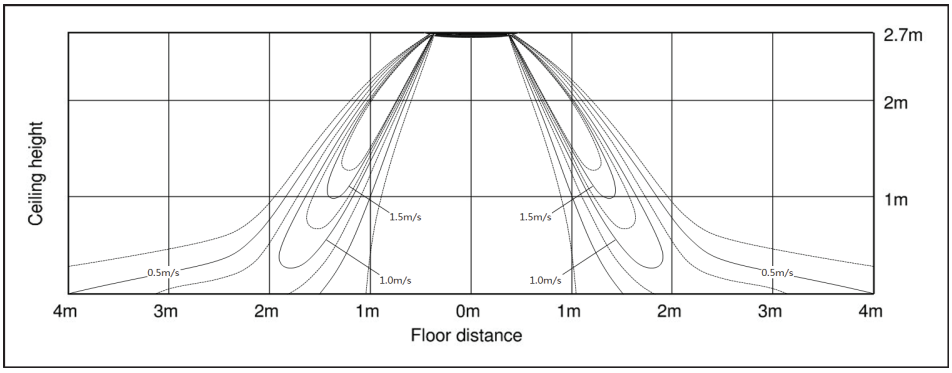
8 Temperature and air flow distribution

Indoor : 360 Cassette

AC140KN4DKH/EU

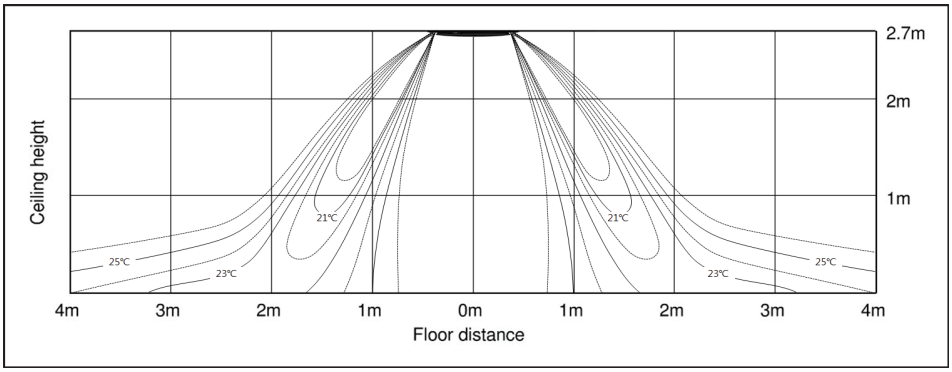
(1) Cooling air velocity distribution

Discharge angle : 60º



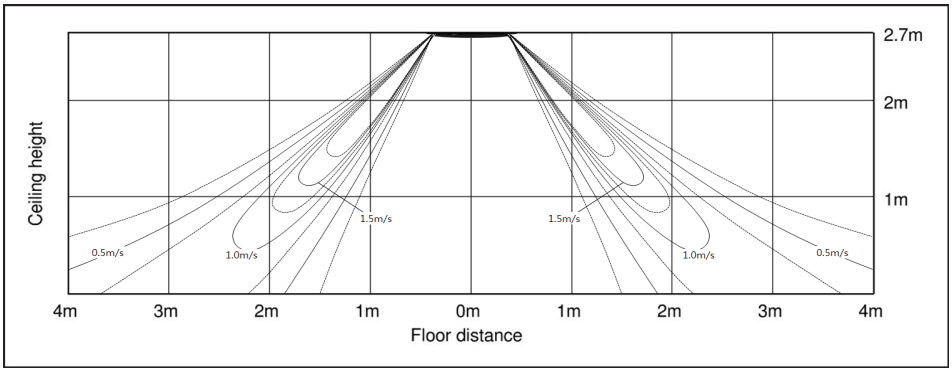
(2) Cooling temperature distribution

Discharge angle : 60º



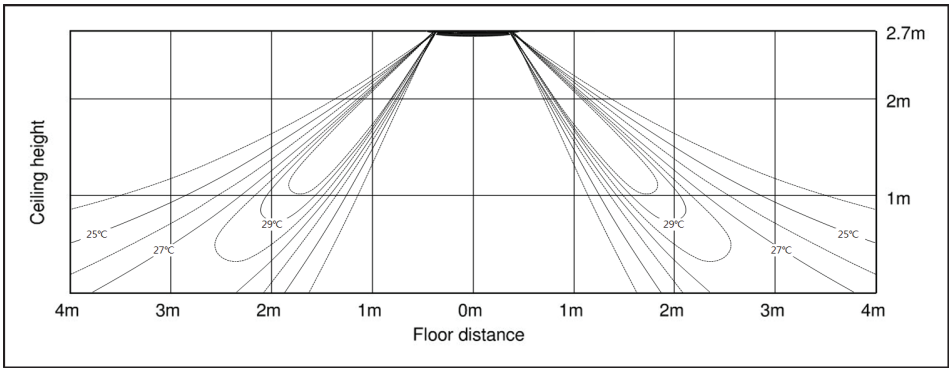
(3) Heating air velocity distribution

Discharge angle : 60º



(4) Heating temperature distribution

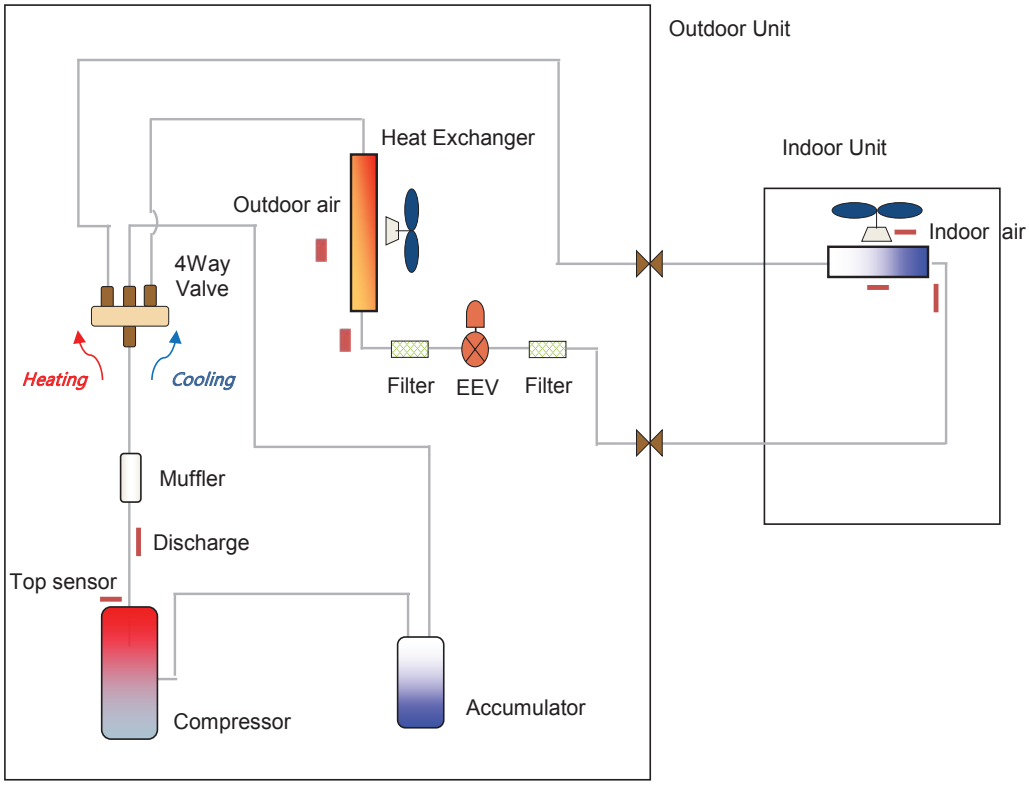
Discharge angle : 60º



9 Cycle diagram

Outdoor

AC071KX4DKH/EU

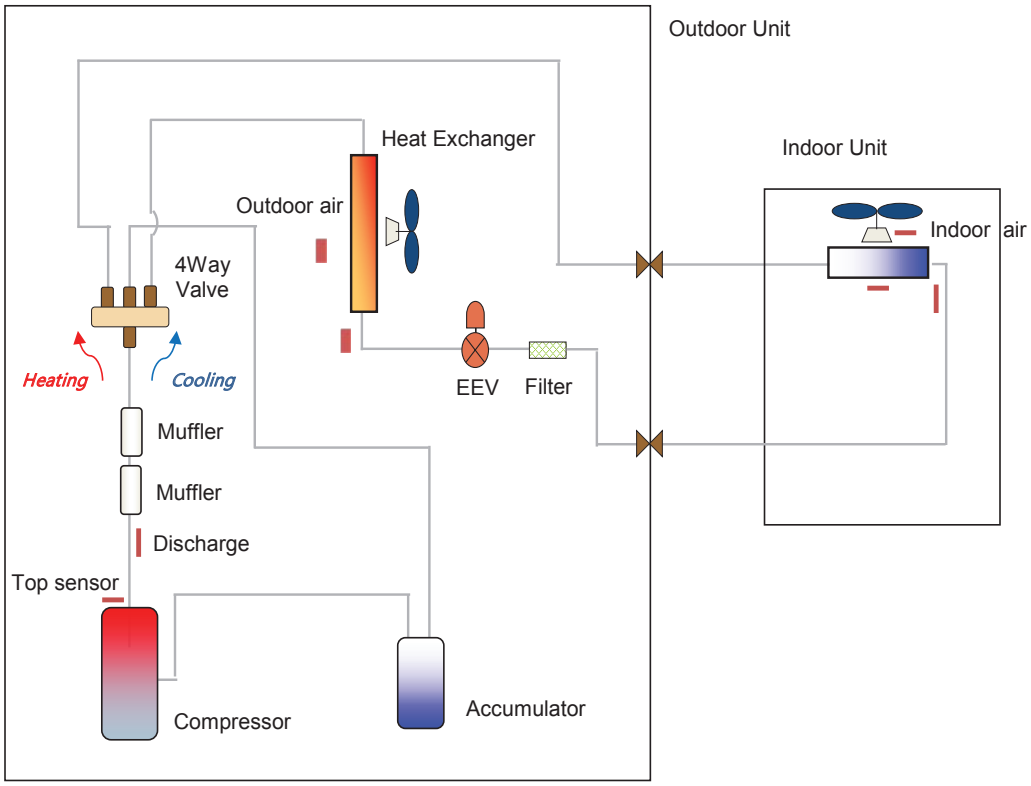


Category		Symbol	Description
Compressor			Rotary Inveter Compressor
Heat Exchanger			Condensing unit
			Evaporating unit
Accumulator			Accumulator
Filter			Filter
Valve	Expansion		Electronic Expansion Valve(EEV)
	Reversing		4 Way valve (Reversing valve)
	Service		Service valve
Senser	Temperature		Pip/Air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

9 Cycle diagram

Outdoor

AC090KX4DKH/EU

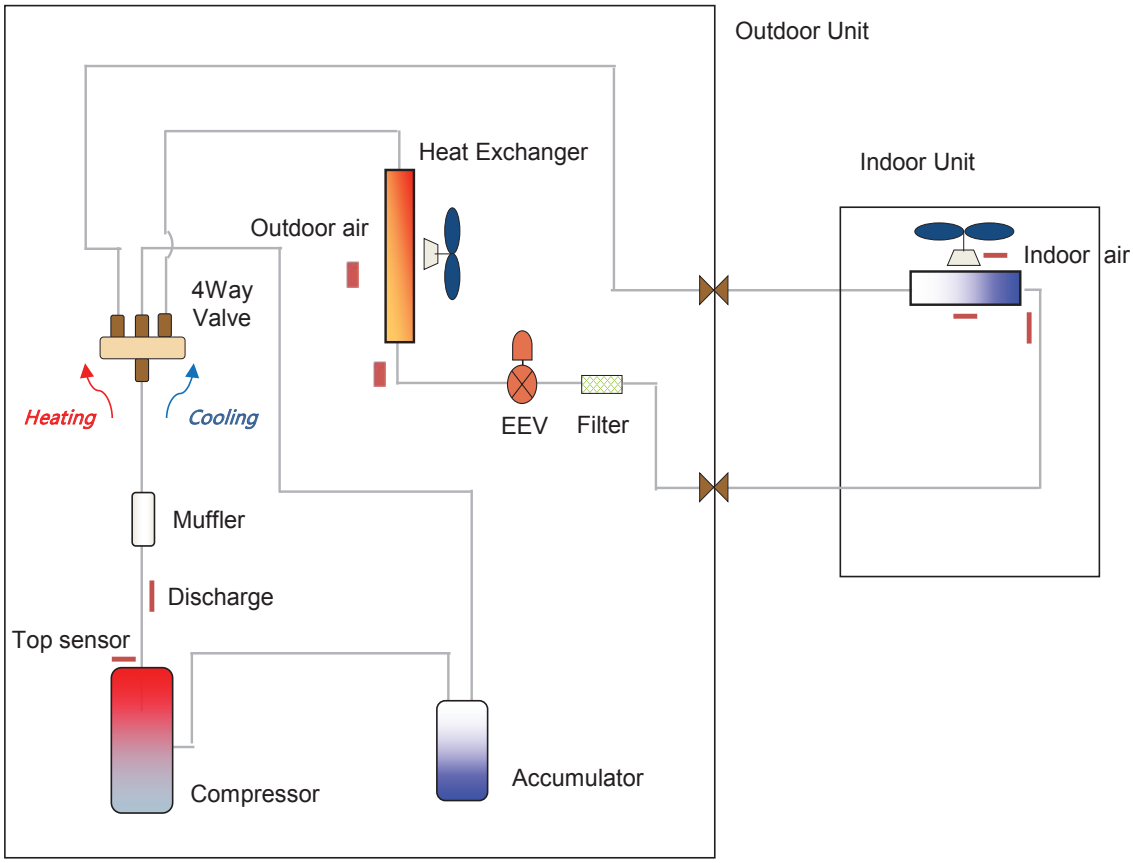


Category		Symbol	Description
Compressor			Rotary Inveter Compressor
Heat Exchanger			Condensing unit
			Evaporating unit
Accumulator			Accumulator
Filter			Filter
Valve	Expansion		Electronic Expansion Valve(EEV)
	Reversing		4 Way valve (Reversing valve)
	Service		Service valve
Senser	Temperature		Pip/Air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

9 Cycle diagram

Outdoor

AC100KX4DKH/EU, AC100KX4DNH/EU, AC120KX4DKH/EU, AC120KX4DNH/EU, AC140KX4DKH/EU, AC140KX4DNH/EU



Category		Symbol	Description
Compressor			Rotary Inveter Compressor
Heat Exchanger			Condensing unit
			Evaporating unit
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

10 Capacity correction

Outdoor

AC071KN4DKH/EU + AC071KX4DKH/EU

Cooling



Level Difference (m)	Pipe Length (m)									
	5	10	15	20	25	30	35	40	45	50
30	-	-	-	-	-	0.92	0.91	0.90	0.88	0.86
25	-	-	-	-	0.94	0.92	0.91	0.90	0.88	0.86
20	-	-	-	0.96	0.94	0.92	0.91	0.90	0.88	0.86
15	-	-	0.97	0.96	0.94	0.92	0.91	0.90	0.88	0.86
10	-	0.98	0.97	0.96	0.94	0.92	0.91	0.90	0.88	0.86
5	1.00	0.98	0.97	0.96	0.94	0.92	0.91	0.90	0.88	0.86
0	1.00	0.98	0.97	0.96	0.94	0.92	0.91	0.90	0.88	0.86
-5	1.00	0.98	0.96	0.95	0.93	0.92	0.90	0.89	0.87	0.85
-10	-	0.97	0.96	0.94	0.93	0.91	0.90	0.88	0.86	0.84
-15	-	-	0.96	0.94	0.92	0.91	0.89	0.87	0.85	0.83
-20	-	-	-	0.93	0.92	0.90	0.89	0.87	0.84	0.82
-25	-	-	-	-	0.91	0.90	0.88	0.86	0.84	0.80
-30	-	-	-	-	-	0.89	0.87	0.85	0.83	0.79

Heating



Level Difference (m)	Pipe Length (m)									
	5	10	15	20	25	30	35	40	45	50
30	-	-	-	-	-	0.92	0.91	0.89	0.88	0.86
25	-	-	-	-	0.94	0.92	0.91	0.89	0.88	0.86
20	-	-	-	0.95	0.94	0.92	0.91	0.89	0.88	0.86
15	-	-	0.97	0.95	0.94	0.92	0.91	0.89	0.88	0.86
10	-	0.98	0.97	0.95	0.94	0.92	0.91	0.89	0.88	0.86
5	1.00	0.98	0.97	0.95	0.94	0.92	0.91	0.89	0.88	0.86
0	1.00	0.98	0.97	0.95	0.94	0.92	0.91	0.89	0.88	0.86
-5	1.00	0.98	0.97	0.95	0.94	0.92	0.91	0.89	0.88	0.86
-10	-	0.98	0.97	0.95	0.94	0.92	0.91	0.89	0.88	0.86
-15	-	-	0.97	0.95	0.94	0.92	0.91	0.89	0.88	0.86
-20	-	-	-	0.95	0.94	0.92	0.91	0.89	0.88	0.86
-25	-	-	-	-	0.94	0.92	0.91	0.89	0.88	0.86
-30	-	-	-	-	-	0.92	0.91	0.89	0.88	0.86

AC090KN4DKH/EU + AC090KX4DKH/EU

Cooling



Level Difference (m)	Pipe Length (m)									
	5	10	15	20	25	30	35	40	45	50
30	-	-	-	-	-	0.92	0.90	0.88	0.87	0.85
25	-	-	-	-	0.93	0.92	0.90	0.88	0.87	0.85
20	-	-	-	0.95	0.93	0.92	0.90	0.88	0.87	0.85
15	-	-	0.97	0.95	0.93	0.92	0.90	0.88	0.87	0.85
10	-	0.98	0.97	0.95	0.93	0.92	0.90	0.88	0.87	0.85
5	1.00	0.98	0.97	0.95	0.93	0.92	0.90	0.88	0.87	0.85
0	1.00	0.98	0.97	0.95	0.93	0.92	0.90	0.88	0.87	0.85
-5	1.00	0.98	0.96	0.94	0.93	0.91	0.89	0.88	0.86	0.84
-10	-	0.97	0.96	0.94	0.92	0.90	0.89	0.87	0.85	0.82
-15	-	-	0.95	0.93	0.92	0.90	0.88	0.86	0.84	0.81
-20	-	-	-	0.93	0.91	0.89	0.87	0.85	0.83	0.80
-25	-	-	-	-	0.90	0.89	0.87	0.85	0.82	0.78
-30	-	-	-	-	-	0.88	0.86	0.84	0.81	0.77

Heating



Level Difference (m)	Pipe Length (m)									
	5	10	15	20	25	30	35	40	45	50
30	-	-	-	-	-	0.93	0.91	0.90	0.88	0.87
25	-	-	-	-	0.94	0.93	0.91	0.90	0.88	0.87
20	-	-	-	0.96	0.94	0.93	0.91	0.90	0.88	0.87
15	-	-	0.97	0.96	0.94	0.93	0.91	0.90	0.88	0.87
10	-	0.99	0.97	0.96	0.94	0.93	0.91	0.90	0.88	0.87
5	1.00	0.99	0.97	0.96	0.94	0.93	0.91	0.90	0.88	0.87
0	1.00	0.99	0.97	0.96	0.94	0.93	0.91	0.90	0.88	0.87
-5	1.00	0.99	0.97	0.96	0.94	0.93	0.91	0.90	0.88	0.87
-10	-	0.99	0.97	0.96	0.94	0.93	0.91	0.90	0.88	0.87
-15	-	-	0.97	0.96	0.94	0.93	0.91	0.90	0.88	0.87
-20	-	-	-	0.96	0.94	0.93	0.91	0.90	0.88	0.87
-25	-	-	-	-	0.94	0.93	0.91	0.90	0.88	0.87
-30	-	-	-	-	-	0.93	0.91	0.90	0.88	0.87

10 Capacity correction

Outdoor

AC100KN4DKH/EU + AC100KX4DKH/EU

Cooling



Level Difference (m)	Pipe Length (m)									
	5	10	15	20	25	30	35	40	45	50
30	-	-	-	-	-	0.92	0.90	0.88	0.87	0.85
25	-	-	-	-	0.93	0.92	0.90	0.88	0.87	0.85
20	-	-	-	0.95	0.93	0.92	0.90	0.88	0.87	0.85
15	-	-	0.97	0.95	0.93	0.92	0.90	0.88	0.87	0.85
10	-	0.98	0.97	0.95	0.93	0.92	0.90	0.88	0.87	0.85
5	1.00	0.98	0.97	0.95	0.93	0.92	0.90	0.88	0.87	0.85
0	1.00	0.98	0.97	0.95	0.93	0.92	0.90	0.88	0.87	0.85
-5	1.00	0.98	0.96	0.94	0.93	0.91	0.89	0.88	0.86	0.84
-10	-	0.97	0.96	0.94	0.92	0.90	0.89	0.87	0.85	0.82
-15	-	-	0.95	0.93	0.92	0.90	0.88	0.86	0.84	0.81
-20	-	-	-	0.93	0.91	0.89	0.87	0.85	0.83	0.80
-25	-	-	-	-	0.90	0.89	0.87	0.85	0.82	0.78
-30	-	-	-	-	-	0.88	0.86	0.84	0.81	0.77

Heating



Level Difference (m)	Pipe Length (m)									
	5	10	15	20	25	30	35	40	45	50
30	-	-	-	-	-	0.93	0.91	0.90	0.88	0.87
25	-	-	-	-	0.94	0.93	0.91	0.90	0.88	0.87
20	-	-	-	0.96	0.94	0.93	0.91	0.90	0.88	0.87
15	-	-	0.97	0.96	0.94	0.93	0.91	0.90	0.88	0.87
10	-	0.99	0.97	0.96	0.94	0.93	0.91	0.90	0.88	0.87
5	1.00	0.99	0.97	0.96	0.94	0.93	0.91	0.90	0.88	0.87
0	1.00	0.99	0.97	0.96	0.94	0.93	0.91	0.90	0.88	0.87
-5	1.00	0.99	0.97	0.96	0.94	0.93	0.91	0.90	0.88	0.87
-10	-	0.99	0.97	0.96	0.94	0.93	0.91	0.90	0.88	0.87
-15	-	-	0.97	0.96	0.94	0.93	0.91	0.90	0.88	0.87
-20	-	-	-	0.96	0.94	0.93	0.91	0.90	0.88	0.87
-25	-	-	-	-	0.94	0.93	0.91	0.90	0.88	0.87
-30	-	-	-	-	-	0.93	0.91	0.90	0.88	0.87

AC100KN4DKH/EU + AC100KX4DNH/EU

Cooling



Level Difference (m)	Pipe Length (m)									
	5	10	15	20	25	30	35	40	45	50
30	-	-	-	-	-	0.92	0.90	0.88	0.87	0.85
25	-	-	-	-	0.93	0.92	0.90	0.88	0.87	0.85
20	-	-	-	0.95	0.93	0.92	0.90	0.88	0.87	0.85
15	-	-	0.97	0.95	0.93	0.92	0.90	0.88	0.87	0.85
10	-	0.98	0.97	0.95	0.93	0.92	0.90	0.88	0.87	0.85
5	1.00	0.98	0.97	0.95	0.93	0.92	0.90	0.88	0.87	0.85
0	1.00	0.98	0.97	0.95	0.93	0.92	0.90	0.88	0.87	0.85
-5	1.00	0.98	0.96	0.94	0.93	0.91	0.89	0.88	0.86	0.84
-10	-	0.97	0.96	0.94	0.92	0.90	0.89	0.87	0.85	0.82
-15	-	-	0.95	0.93	0.92	0.90	0.88	0.86	0.84	0.81
-20	-	-	-	0.93	0.91	0.89	0.87	0.85	0.83	0.80
-25	-	-	-	-	0.90	0.89	0.87	0.85	0.82	0.78
-30	-	-	-	-	-	0.88	0.86	0.84	0.81	0.77

Heating



Level Difference (m)	Pipe Length (m)									
	5	10	15	20	25	30	35	40	45	50
30	-	-	-	-	-	0.93	0.91	0.90	0.88	0.87
25	-	-	-	-	0.94	0.93	0.91	0.90	0.88	0.87
20	-	-	-	0.96	0.94	0.93	0.91	0.90	0.88	0.87
15	-	-	0.97	0.96	0.94	0.93	0.91	0.90	0.88	0.87
10	-	0.99	0.97	0.96	0.94	0.93	0.91	0.90	0.88	0.87
5	1.00	0.99	0.97	0.96	0.94	0.93	0.91	0.90	0.88	0.87
0	1.00	0.99	0.97	0.96	0.94	0.93	0.91	0.90	0.88	0.87
-5	1.00	0.99	0.97	0.96	0.94	0.93	0.91	0.90	0.88	0.87
-10	-	0.99	0.97	0.96	0.94	0.93	0.91	0.90	0.88	0.87
-15	-	-	0.97	0.96	0.94	0.93	0.91	0.90	0.88	0.87
-20	-	-	-	0.96	0.94	0.93	0.91	0.90	0.88	0.87
-25	-	-	-	-	0.94	0.93	0.91	0.90	0.88	0.87
-30	-	-	-	-	-	0.93	0.91	0.90	0.88	0.87

10 Capacity correction

Outdoor

AC120KN4DKH/EU + AC120KX4DKH/EU

Cooling



Level Difference (m)	Pipe Length (m)									
	5	10	15	20	25	30	35	40	45	50
30	-	-	-	-	-	0.92	0.90	0.88	0.87	0.85
25	-	-	-	-	0.93	0.92	0.90	0.88	0.87	0.85
20	-	-	-	0.95	0.93	0.92	0.90	0.88	0.87	0.85
15	-	-	0.97	0.95	0.93	0.92	0.90	0.88	0.87	0.85
10	-	0.98	0.97	0.95	0.93	0.92	0.90	0.88	0.87	0.85
5	1.00	0.98	0.97	0.95	0.93	0.92	0.90	0.88	0.87	0.85
0	1.00	0.98	0.97	0.95	0.93	0.92	0.90	0.88	0.87	0.85
-5	1.00	0.98	0.96	0.94	0.93	0.91	0.89	0.88	0.86	0.84
-10	-	0.97	0.96	0.94	0.92	0.90	0.89	0.87	0.85	0.82
-15	-	-	0.95	0.93	0.92	0.90	0.88	0.86	0.84	0.81
-20	-	-	-	0.93	0.91	0.89	0.87	0.85	0.83	0.80
-25	-	-	-	-	0.90	0.89	0.87	0.85	0.82	0.78
-30	-	-	-	-	-	0.88	0.86	0.84	0.81	0.77

Heating



Level Difference (m)	Pipe Length (m)									
	5	10	15	20	25	30	35	40	45	50
30	-	-	-	-	-	0.93	0.91	0.90	0.88	0.87
25	-	-	-	-	0.94	0.93	0.91	0.90	0.88	0.87
20	-	-	-	0.96	0.94	0.93	0.91	0.90	0.88	0.87
15	-	-	0.97	0.96	0.94	0.93	0.91	0.90	0.88	0.87
10	-	0.99	0.97	0.96	0.94	0.93	0.91	0.90	0.88	0.87
5	1.00	0.99	0.97	0.96	0.94	0.93	0.91	0.90	0.88	0.87
0	1.00	0.99	0.97	0.96	0.94	0.93	0.91	0.90	0.88	0.87
-5	1.00	0.99	0.97	0.96	0.94	0.93	0.91	0.90	0.88	0.87
-10	-	0.99	0.97	0.96	0.94	0.93	0.91	0.90	0.88	0.87
-15	-	-	0.97	0.96	0.94	0.93	0.91	0.90	0.88	0.87
-20	-	-	-	0.96	0.94	0.93	0.91	0.90	0.88	0.87
-25	-	-	-	-	0.94	0.93	0.91	0.90	0.88	0.87
-30	-	-	-	-	-	0.93	0.91	0.90	0.88	0.87

AC120KN4DKH/EU + AC120KX4DNH/EU

Cooling



Level Difference (m)	Pipe Length (m)									
	5	10	15	20	25	30	35	40	45	50
30	-	-	-	-	-	0.92	0.90	0.88	0.87	0.85
25	-	-	-	-	0.93	0.92	0.90	0.88	0.87	0.85
20	-	-	-	0.95	0.93	0.92	0.90	0.88	0.87	0.85
15	-	-	0.97	0.95	0.93	0.92	0.90	0.88	0.87	0.85
10	-	0.98	0.97	0.95	0.93	0.92	0.90	0.88	0.87	0.85
5	1.00	0.98	0.97	0.95	0.93	0.92	0.90	0.88	0.87	0.85
0	1.00	0.98	0.97	0.95	0.93	0.92	0.90	0.88	0.87	0.85
-5	1.00	0.98	0.96	0.94	0.93	0.91	0.89	0.88	0.86	0.84
-10	-	0.97	0.96	0.94	0.92	0.90	0.89	0.87	0.85	0.82
-15	-	-	0.95	0.93	0.92	0.90	0.88	0.86	0.84	0.81
-20	-	-	-	0.93	0.91	0.89	0.87	0.85	0.83	0.80
-25	-	-	-	-	0.90	0.89	0.87	0.85	0.82	0.78
-30	-	-	-	-	-	0.88	0.86	0.84	0.81	0.77

Heating



Level Difference (m)	Pipe Length (m)									
	5	10	15	20	25	30	35	40	45	50
30	-	-	-	-	-	0.93	0.91	0.90	0.88	0.87
25	-	-	-	-	0.94	0.93	0.91	0.90	0.88	0.87
20	-	-	-	0.96	0.94	0.93	0.91	0.90	0.88	0.87
15	-	-	0.97	0.96	0.94	0.93	0.91	0.90	0.88	0.87
10	-	0.99	0.97	0.96	0.94	0.93	0.91	0.90	0.88	0.87
5	1.00	0.99	0.97	0.96	0.94	0.93	0.91	0.90	0.88	0.87
0	1.00	0.99	0.97	0.96	0.94	0.93	0.91	0.90	0.88	0.87
-5	1.00	0.99	0.97	0.96	0.94	0.93	0.91	0.90	0.88	0.87
-10	-	0.99	0.97	0.96	0.94	0.93	0.91	0.90	0.88	0.87
-15	-	-	0.97	0.96	0.94	0.93	0.91	0.90	0.88	0.87
-20	-	-	-	0.96	0.94	0.93	0.91	0.90	0.88	0.87
-25	-	-	-	-	0.94	0.93	0.91	0.90	0.88	0.87
-30	-	-	-	-	-	0.93	0.91	0.90	0.88	0.87

10 Capacity correction

Outdoor

AC140KN4DKH/EU + AC140KX4DKH/EU

Cooling



Level Difference (m)	Pipe Length (m)														
	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75
30	-	-	-	-	-	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.87	0.86
25	-	-	-	-	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.87	0.86
20	-	-	-	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.87	0.86
15	-	-	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.87	0.86
10	-	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.87	0.86
5	1.00	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.87	0.86
0	1.00	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.87	0.86
-5	1.00	0.98	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.86	0.85
-10	-	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.87	0.86	0.84
-15	-	-	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.86	0.85	0.83
-20	-	-	-	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.88	0.87	0.86	0.84	0.82
-25	-	-	-	-	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.87	0.86	0.84	0.81
-30	-	-	-	-	-	0.93	0.92	0.91	0.90	0.89	0.88	0.86	0.85	0.83	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	-	-	-	-	-	0.95	0.94	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.87
25	-	-	-	-	0.96	0.95	0.94	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.87
20	-	-	-	0.97	0.96	0.95	0.94	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.87
15	-	-	0.98	0.97	0.96	0.95	0.94	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.87
10	-	0.99	0.98	0.97	0.96	0.95	0.94	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.87
5	1.00	0.99	0.98	0.97	0.96	0.95	0.94	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.87
0	1.00	0.99	0.98	0.97	0.96	0.95	0.94	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.87
-5	1.00	0.99	0.98	0.97	0.96	0.95	0.94	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.87
-10	-	0.99	0.98	0.97	0.96	0.95	0.94	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.87
-15	-	-	0.98	0.97	0.96	0.95	0.94	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.87
-20	-	-	-	0.97	0.96	0.95	0.94	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.87
-25	-	-	-	-	0.96	0.95	0.94	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.87
-30	-	-	-	-	-	0.95	0.94	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.87

AC140KN4DKH/EU + AC140KX4DNH/EU

Cooling



Level Difference (m)	Pipe Length (m)														
	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75
30	-	-	-	-	-	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.87	0.86
25	-	-	-	-	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.87	0.86
20	-	-	-	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.87	0.86
15	-	-	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.87	0.86
10	-	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.87	0.86
5	1.00	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.87	0.86
0	1.00	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.87	0.86
-5	1.00	0.98	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.86	0.85
-10	-	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.87	0.86	0.84
-15	-	-	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.86	0.85	0.83
-20	-	-	-	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.88	0.87	0.86	0.84	0.82
-25	-	-	-	-	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.87	0.86	0.84	0.81
-30	-	-	-	-	-	0.93	0.92	0.91	0.90	0.89	0.88	0.86	0.85	0.83	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	-	-	-	-	-	0.95	0.94	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.87
25	-	-	-	-	0.96	0.95	0.94	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.87
20	-	-	-	0.97	0.96	0.95	0.94	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.87
15	-	-	0.98	0.97	0.96	0.95	0.94	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.87
10	-	0.99	0.98	0.97	0.96	0.95	0.94	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.87
5	1.00	0.99	0.98	0.97	0.96	0.95	0.94	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.87
0	1.00	0.99	0.98	0.97	0.96	0.95	0.94	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.87
-5	1.00	0.99	0.98	0.97	0.96	0.95	0.94	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.87
-10	-	0.99	0.98	0.97	0.96	0.95	0.94	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.87
-15	-	-	0.98	0.97	0.96	0.95	0.94	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.87
-20	-	-	-	0.97	0.96	0.95	0.94	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.87
-25	-	-	-	-	0.96	0.95	0.94	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.87
-30	-	-	-	-	-	0.95	0.94	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.87

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