

CAC

Technical Data Book

Global Duct for EU(Deluxe type)

SAMSUNG

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1 Nomenclature

Indoor Units

Modle Names

AC	026	F	B	1	D	E	H	/	EU
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)		Buyer

(1) Classification

AC	CAC
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(2) Capacity

x 1/10 kW (3 digits)

(3) Version

E	2012
F	2013
H	2014

(4) Product Type

B	Indoor Unit
C	Outdoor Unit

(5) Product Notation

1	Slim 1 way cassette
N	Mini 4 way cassette
4	4 way cassette
L	LSP Duct (Slim Duct)
M	MSP Duct
C	Ceiling
J	Console
R	Maldives (Wall Mounted)

(6) Feature

F	Flagship
S	Standard
D	Deluxe
P	Premium

(7) Rating Voltage

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

(8) Mode

H	Heat Pump
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1 Nomenclature

Outdoor Units

Modle Names

AC	026	F	C	1	D	E	H	/	EU
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)		Buyer

(1) Classification

AC	CAC
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(2) Capacity

x 1/10 kW (3 digits)

(3) Version

E	2012
F	2013
H	2014

(4) Product Type

B	Indoor Unit
C	Outdoor Unit

(5) Feature 1

A	Inv+Side+General Temp
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(6) Feature2

F	Standrad+Tropical+Non Module
S	Standard
D	Deluxe
P	Premium

(7) Rating Voltage

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

(8) Mode

H	Heat Pump
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2 Specifications

Global Duct

Type				Global Duct	Global Duct			
Model Name	Indoor Unit			AC035HBMDKH/EU	AC052HBLDKH/EU			
	Outdoor Unit			AC035HCADKH/EU	AC052HCADKH/EU			
System	Mode			Heat Pump	Heat Pump			
	Capacity	Cooling(Min/Std/Max)		kW	1.10 / 3.50 / 4.00	1.20 / 5.00 / 6.00		
				Btu/h	3,800 / 11,900 / 13,600	4,100 / 17,100 / 20,500		
		Heating(Min/Std/Max)		kW	1.10 / 4.00 / 4.60	1.10 / 6.00 / 7.20		
				Btu/h	3,800 / 13,600 / 15,700	3,800 / 20,500 / 24,600		
	Power	Power Input (Nominal)	Cooling(Min/Std/Max)	kW	0.30 / 1.10 / 1.50	0.35 / 1.56 / 2.20		
			Heating(Min/Std/Max)		0.25 / 1.02 / 1.50	0.26 / 1.66 / 2.70		
		Current Input (Nominal)	Cooling(Min/Std/Max)	A	2.10 / 5.10 / 6.80	2.10 / 7.20 / 10.00		
			Heating(Min/Std/Max)		1.60 / 4.70 / 6.80	1.70 / 7.50 / 12.00		
		MCA		A	18.70 (MCA)	22.00 (MCA)		
		MFA		A	20.60	25.00		
	Energy Efficiency	EER (Nominal Cooling)		-	3.18	3.21		
		COP (Nominal Heating)		-	3.92	3.61		
		Energy Grade		-	SEER 5.4 (A)	SEER 6.1 (A++)		
				-	SCOP 3.8 (A)	SCOP 3.8 (A)		
	Piping Connections	Liquid Pipe		Ø, mm	6.35	6.35		
				Ø, inch	1/4"	1/4"		
		Gas Pipe		Ø, mm	9.52	12.70		
				Ø, inch	3/8"	1/2"		
		Installation Limitation	Max. Length	m	20 (25)	30 (35)		
Max. Height			m	15 (15)	20 (20)			
Field Wiring	Power Source Wire		Ø, mm	2.50	2.50			
	Transmission Cable		Ø, mm	0.75 ~ 1.25	0.75 ~ 1.25			
Refrigerant	Type		-	R410A	R410A			
	Control Method		-	-	-			
	Factory Charging		kg	0.90	1.30			
Indoor Unit	Power Supply			Ø, #, V, Hz	1,2,220-240,50	1,2,220-240,50		
	Fan	Type		-	Sirocco Fan	Sirocco Fan		
		Motor	Output		W	153 x 2	153 x 3	
			Air Flow Rate		High/Mid/Low	CMM	12.00 / 9.50 / 8.00	15.00 / 12.00 / 9.00
		External Static Pressure		Min/Std/Max		l/s	200.00 / 158.33 / 133.33	250.00 / 200.00 / 150.00
						mmAq	0.00 / 2.50 / 15.00	0.00 / 3.00 / 4.00
	Drain	Drain Pipe		Ø,mm	VP20 (OD 26,ID 20)	VP20 (OD 26,ID 20)		
		Sound	Pressure	High/Mid/Low		32.0 / 29.0 / 26.0	33.0 / 30.0 / 27.0	
	Power		Cooling		52.0	55.0		
	External Dimension	Net Weight		kg	24.50	22.50		
		Shipping Weight		kg	28.50	26.00		
		Net Dimensions (WxHxD)		mm	850 x 250 x 700	1,100 x 200 x 450		
		Shipping Dimensions (WxHxD)		mm	1,100 x 320 x 780	1,350 x 270 x 530		
	Panel Size	Panel model		-	-	-		
		Panel Net Weight		kg	-	-		
		Shipping Weight		kg	-	-		
		Net Dimensions (WxHxD)		mm	-	-		
	Additional Accessories	Shipping Dimensions (WxHxD)		mm	-	-		
		Drain pump	Max. Lifting		mm/liter/h	-	-	
			Air Filter		-	-	-	
Power Supply			Ø, #, V, Hz	1,2,220-240,50	1,2,220-240,50			
Compressor	Type		-	Single BLDC Rotary	Twin BLDC Rotary			
	Model		-	UG9A090FUAER	UG4T150LNBEQ			
	Output		kW	-	-			
	Oil	Type		-	-	-		
Fan		Air Flow Rate	Cooling	CMM	37.00	44.00		
				l/s	616.67	733.33		
Sound	Pressure	Cooling/Heating		47.0 / 47.0	48.0 / 48.0			
	Power		Cooling		63.0	63.0		
External Dimension	Net Weight		kg	29.50	45.00			
	Shipping Weight		kg	32.00	48.00			
	Net Dimensions (WxHxD)		mm	720 x 548 x 265	880 x 638 x 310			
	Shipping Dimensions (WxHxD)		mm	844 x 622 x 353	1,024 x 414 x 750			
Operating Temp. Range	Cooling		°C	-15.0 ~ 50.0	-15.0 ~ 50.0			
	Heating		°C	-20.0 ~ 24.0	-20.0 ~ 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.

2 Specifications

Global Duct

Type				Global Duct	Global Duct			
Model Name	Indoor Unit			AC052HBMDKH/EU	AC060HBMDKH/EU			
	Outdoor Unit			AC052HCADKH/EU	AC060HCADKH/EU			
System	Mode			Heat Pump	Heat Pump			
	Capacity	Cooling(Min/Std/Max)		kW	1.20 / 5.00 / 6.00	1.80 / 6.00 / 7.50		
				Btu/h	4,100 / 17,100 / 20,500	6,100 / 20,500 / 25,600		
		Heating(Min/Std/Max)		kW	1.10 / 6.00 / 7.20	1.50 / 7.00 / 8.50		
				Btu/h	3,800 / 20,500 / 24,600	5,100 / 23,900 / 29,000		
	Power	Power Input (Nominal)	Cooling(Min/Std/Max)		kW	0.35 / 1.56 / 2.20	0.43 / 1.76 / 2.70	
			Heating(Min/Std/Max)			0.26 / 1.66 / 2.70	0.38 / 1.89 / 3.30	
		Current Input (Nominal)	Cooling(Min/Std/Max)		A	2.10 / 7.20 / 10.00	2.60 / 7.90 / 12.00	
			Heating(Min/Std/Max)			1.70 / 7.50 / 12.00	2.30 / 8.40 / 14.00	
		MCA				A	22.70 (MCA)	22.70 (MCA)
		MFA				A	25.00	25.00
	Energy Efficiency	EER (Nominal Cooling)		-	3.21	3.41		
		COP (Nominal Heating)		-	3.61	3.70		
		Energy Grade		-	SEER 6.1 (A++)	SEER 6.1 (A++)		
				-	SCOP 3.8 (A)	SCOP 4.0 (A+)		
	Piping Connections	Liquid Pipe		Ø, mm	6.35	6.35		
				Ø, inch	1/4"	1/4"		
		Gas Pipe		Ø, mm	12.70	15.88		
				Ø, inch	1/2"	5/8"		
		Installation Limitation	Max. Length	m	30 (35)	50 (55)		
Max. Height			m	20 (20)	30 (30)			
Field Wiring	Power Source Wire		Ø, mm	2.50	2.50			
	Transmission Cable		Ø, mm	0.75 ~ 1.25	0.75 ~ 1.25			
Refrigerant	Type		-	R410A	R410A			
	Control Method		-	-	-			
	Factory Charging		kg	1.30	1.50			
Indoor Unit	Power Supply			Ø, #, V, Hz	1,2,220-240,50	1,2,220-240,50		
	Fan	Type		-	Sirocco Fan	Sirocco Fan		
		Motor	Output		W	153 x 2	153 x 2	
			Air Flow Rate		High/Mid/Low	CMM	16.00 / 13.50 / 11.00	21.00 / 18.00 / 15.00
					l/s	266.67 / 225.00 / 183.33	350.00 / 300.00 / 250.00	
		External Static Pressure	Min/Std/Max		mmAq	0.00 / 3.00 / 15.00	0.00 / 3.00 / 4.00	
	Pa				0.00 / 29.40 / 147.00	0.00 / 29.40 / 39.20		
	Drain	Drain Pipe		Ø,mm	VP20 (OD 26,ID 20)	VP20 (OD 26,ID 20)		
		Sound	Pressure	High/Mid/Low		33.0 / 30.0 / 27.0	37.0 / 33.0 / 29.0	
	Power		Cooling		53.0	57.0		
	External Dimension	Net Weight		kg	24.50	24.50		
		Shipping Weight		kg	28.50	28.50		
		Net Dimensions (WxHxD)		mm	850 x 250 x 700	850 x 250 x 700		
		Shipping Dimensions (WxHxD)		mm	1,100 x 320 x 780	1,100 x 320 x 780		
	Panel Size	Panel model		-	-	-		
		Panel Net Weight		kg	-	-		
		Shipping Weight		kg	-	-		
		Net Dimensions (WxHxD)		mm	-	-		
	Additional Accessories	Shipping Dimensions (WxHxD)		mm	-	-		
		Drain pump	Drain pump		-	-		
Max. Lifting			mm/liter/h	-	-			
Air Filter		-	-	-				
Outdoor Unit	Power Supply			Ø, #, V, Hz	1,2,220-240,50	1,2,220-240,50		
	Compressor	Type		-	Twin BLDC Rotary	Twin BLDC Rotary		
		Model		-	UG4T150LNBEQ	UG4T200LNFE4		
		Output		kW	-	-		
	Fan	Oil	Type		-	-		
			Air Flow Rate	Cooling		CMM	44.00	52.00
					l/s	733.33	866.67	
	Sound	Pressure	Cooling/Heating			48.0 / 48.0	49.0 / 50.0	
			Power		Cooling		63.0	64.0
	External Dimension	Net Weight		kg	45.00	55.00		
		Shipping Weight		kg	48.00	59.00		
		Net Dimensions (WxHxD)		mm	880 x 638 x 310	880 x 798 x 310		
		Shipping Dimensions (WxHxD)		mm	1,024 x 750 x 414	1,023 x 891 x 413		
	Operating Temp. Range	Cooling		°C	-15.0 ~ 50.0	-15.0 ~ 50.0		
		Heating		°C	-20.0 ~ 24.0	-20.0 ~ 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.

2 Specifications

Global Duct

Type				Global Duct	Global Duct		
Model Name	Indoor Unit			AC071HBLDKH/EU	AC071HBMDKH/EU		
	Outdoor Unit			AC071HCADKH/EU	AC071HCADKH/EU		
System	Mode				Heat Pump	Heat Pump	
	Capacity	Cooling(Min/Std/Max)		kW	2.00 / 7.10 / 8.00	2.00 / 7.10 / 8.00	
				Btu/h	6,800 / 24,200 / 27,300	6,800 / 24,200 / 27,300	
		Heating(Min/Std/Max)		kW	1.50 / 8.00 / 9.00	1.50 / 8.00 / 9.00	
				Btu/h	5,100 / 27,300 / 30,700	5,100 / 27,300 / 30,700	
	Power	Power Input (Nominal)	Cooling(Min/Std/Max)		kW	0.47 / 2.21 / 3.00	0.47 / 2.21 / 3.00
			Heating(Min/Std/Max)			0.36 / 2.30 / 3.50	0.36 / 2.30 / 3.50
		Current Input (Nominal)	Cooling(Min/Std/Max)		A	2.80 / 9.80 / 13.30	2.80 / 9.80 / 13.30
			Heating(Min/Std/Max)			2.20 / 10.20 / 15.50	2.20 / 10.20 / 15.50
		MCA			A	22.00 (MCA)	22.70 (MCA)
		MFA			A	25.00	25.00
	Energy Efficiency	EER (Nominal Cooling)		-	3.21	3.21	
		COP (Nominal Heating)		-	3.48	3.48	
		Energy Grade		-	SEER 5.9 (A+)	SEER 5.9 (A+)	
				-	SCOP 4.0 (A+)	SCOP 4.0 (A+)	
	Piping Connections	Liquid Pipe		Ø, mm	6.35	6.35	
				Ø, inch	1/4"	1/4"	
		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 ~ 1.25	0.75 ~ 1.25		
Refrigerant	Type		-	R410A	R410A		
	Control Method		-	-	-		
	Factory Charging		kg	1.50	1.50		
Indoor Unit	Power Supply			Ø, #, V, Hz	1,2,220-240,50	1,2,220-240,50	
	Fan	Type		-	Sirocco Fan	Sirocco Fan	
		Motor	Output		W	153 x 3	153 x 2
			Air Flow Rate		High/Mid/Low	CMM	20.00 / 15.00 / 10.00
		External Static Pressure		Min/Std/Max	l/s	333.33 / 250.00 / 166.67	366.67 / 316.67 / 266.67
		Drain	Drain Pipe		Ø,mm	VP20 (OD 26,ID 20)	VP20 (OD 26,ID 20)
	Sound		Pressure	High/Mid/Low		37.0 / 34.0 / 31.0	37.0 / 33.0 / 29.0
		Power	Cooling	dB(A)	59.0	57.0	
	External Dimension	Net Weight		kg	22.50	24.50	
		Shipping Weight		kg	26.00	28.50	
		Net Dimensions (WxHxD)		mm	1,100 x 200 x 450	850 x 250 x 700	
		Shipping Dimensions (WxHxD)		mm	1,350 x 270 x 530	1,100 x 320 x 780	
	Panel Size	Panel model		-	-	-	
		Panel Net Weight		kg	-	-	
		Shipping Weight		kg	-	-	
		Net Dimensions (WxHxD)		mm	-	-	
	Additional Accessories	Shipping Dimensions (WxHxD)		mm	-	-	
		Drain pump	Drain pump	-	-	-	
			Max. Lifting	mm/liter/h	-	-	
	Air Filter		-	-	-		
Outdoor Unit	Power Supply			Ø, #, V, Hz	1,2,220-240,50	1,2,220-240,50	
	Compressor	Type		-	Twin BLDC Rotary	Twin BLDC Rotary	
		Model		-	UG4T200LNFE4	UG4T200LNFE4	
		Output		kW	-	-	
		Oil	Type		-	-	-
	Fan		Air Flow Rate	Cooling	CMM	54.00	54.00
				l/s	900.00	900.00	
	Sound	Pressure	Cooling/Heating	dB(A)	49.0 / 51.0	49.0 / 51.0	
		Power	Cooling		65.0	65.0	
	External Dimension	Net Weight		kg	55.00	55.00	
		Shipping Weight		kg	59.00	59.00	
		Net Dimensions (WxHxD)		mm	880 x 798 x 310	880 x 798 x 310	
		Shipping Dimensions (WxHxD)		mm	1,023 x 891 x 413	1,023 x 891 x 413	
	Operating Temp. Range	Cooling		°C	-15.0 ~ 50.0	-15.0 ~ 50.0	
		Heating		°C	-20.0 ~ 24.0	-20.0 ~ 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.

2 Specifications

Global Duct

Type				Global Duct	Global Duct				
Model Name	Indoor Unit			AC090HBMDKH/EU	AC090HBMDKH/EU				
	Outdoor Unit			AC090HCADKH/EU	AC090HCADNH/EU				
System	Mode			Heat Pump	Heat Pump				
	Capacity	Cooling(Min/Std/Max)		kW	2.60 / 9.00 / 11.50	2.60 / 9.00 / 11.50			
				Btu/h	8,900 / 30,700 / 39,200	8,900 / 30,700 / 39,200			
		Heating(Min/Std/Max)		kW	2.80 / 10.00 / 15.50	2.80 / 10.00 / 15.50			
				Btu/h	9,600 / 34,100 / 52,900	9,600 / 34,100 / 52,900			
	Power	Power Input (Nominal)	Cooling(Min/Std/Max)		kW	0.70 / 2.80 / 4.50	0.70 / 2.80 / 4.50		
			Heating(Min/Std/Max)			0.65 / 2.77 / 5.50	0.65 / 2.70 / 5.50		
		Current Input (Nominal)	Cooling(Min/Std/Max)		A	4.00 / 13.00 / 19.50	1.50 / 4.50 / 7.30		
			Heating(Min/Std/Max)			3.40 / 12.50 / 24.00	1.40 / 4.50 / 9.00		
		MCA				A	26.70 (MCA)	14.70 (MCA)	
		MFA				A	30.00	16.20	
	Energy Efficiency	EER (Nominal Cooling)				-	3.21	3.21	
		COP (Nominal Heating)				-	3.61	3.70	
		Energy Grade				-	SEER 5.7 (A+)	SEER 5.7 (A+)	
						-	SCOP 4.0 (A+)	SCOP 4.0 (A+)	
	Piping Connections	Liquid Pipe		Ø, mm	9.52		9.52		
				Ø, inch	3/8"		3/8"		
		Gas Pipe		Ø, mm	15.88		15.88		
				Ø, inch	5/8"		5/8"		
		Installation Limitation	Max. Length	m		50 (55)		50 (55)	
Max. Height			m		30 (30)		30 (30)		
Field Wiring	Power Source Wire		Ø, mm		4.00		2.50		
	Transmission Cable		Ø, mm		0.75 ~ 1.25		0.75 ~ 1.25		
Refrigerant	Type				-		R410A		
	Control Method				-		-		
	Factory Charging				kg		2.60	2.60	
Indoor Unit	Power Supply			Ø, #, V, Hz	1,2,220-240,50		1,2,220-240,50		
	Fan	Type				-		Sirocco Fan	
		Motor	Output		W		153 x 3		153 x 3
			Air Flow Rate		High/Mid/Low	CMM	29.00 / 25.00 / 22.00		29.00 / 25.00 / 22.00
						l/s	483.33 / 416.67 / 366.67		483.33 / 416.67 / 366.67
	External Static Pressure	Min/Std/Max		mmAq		0.00 / 4.00 / 15.00		0.00 / 4.00 / 15.00	
				Pa		0.00 / 39.20 / 147.00		0.00 / 39.20 / 147.00	
	Drain			Drain Pipe	Ø,mm		VP20 (OD 26,ID 20)	VP20 (OD 26,ID 20)	
	Sound	Pressure		High/Mid/Low			38.0 / 35.0 / 32.0		38.0 / 35.0 / 32.0
		Power	Cooling		dB(A)		61.0		61.0
	External Dimension	Net Weight		kg		32.00		32.00	
		Shipping Weight		kg		37.00		37.00	
		Net Dimensions (WxHxD)		mm		1,200 x 250 x 700		1,200 x 250 x 700	
		Shipping Dimensions (WxHxD)		mm		1,450 x 320 x 780		1,450 x 320 x 780	
	Panel Size	Panel model				-		-	
		Panel Net Weight		kg		-		-	
		Shipping Weight		kg		-		-	
		Net Dimensions (WxHxD)		mm		-		-	
	Shipping Dimensions (WxHxD)		mm		-		-		
	Additional Accessories	Drain pump	Drain pump				-		
Max. Lifting		mm/liter/h				-			
Air Filter					-		-		
Outdoor Unit	Power Supply			Ø, #, V, Hz	1,2,220-240,50		3,4,380-415,50		
	Compressor	Type				-		Twin BLDC Rotary	
		Model				-		UG8T300LNBJU	
		Output		kW		-		-	
		Oil	Type				-		-
	Air Flow Rate		Cooling	CMM	63.00		63.00		
					l/s	1,050.00		1,050.00	
	Sound	Pressure	Cooling/Heating		dB(A)		52.0 / 54.0		52.0 / 54.0
		Power	Cooling				68.0		68.0
	External Dimension	Net Weight		kg		70.00		72.00	
		Shipping Weight		kg		74.00		76.00	
		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		°C		-15.0 ~ 50.0		-15.0 ~ 50.0	
		Heating		°C		-20.0 ~ 24.0		-20.0 ~ 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.

2 Specifications

Global Duct

Type				Global Duct	Global Duct		
Model Name	Indoor Unit			AC100HBMDKH/EU	AC100HBMDKH/EU		
	Outdoor Unit			AC100HCADNH/EU	AC100HCADKH/EU		
System	Mode				Heat Pump	Heat Pump	
	Capacity	Cooling(Min/Std/Max)		kW	2.80 / 10.00 / 12.00	2.80 / 10.00 / 12.00	
				Btu/h	9,600 / 34,100 / 40,900	9,600 / 34,100 / 40,900	
		Heating(Min/Std/Max)		kW	2.90 / 11.20 / 15.50	2.90 / 11.20 / 15.50	
				Btu/h	9,900 / 38,200 / 52,900	9,900 / 38,200 / 52,900	
	Power	Power Input (Nominal)	Cooling(Min/Std/Max)		kW	0.75 / 3.22 / 5.00	0.75 / 3.22 / 5.00
			Heating(Min/Std/Max)			0.65 / 3.10 / 5.50	0.65 / 3.10 / 5.50
		Current Input (Nominal)	Cooling(Min/Std/Max)		A	1.60 / 5.40 / 7.50	4.30 / 15.00 / 21.50
			Heating(Min/Std/Max)			1.40 / 5.20 / 9.00	3.40 / 14.00 / 24.00
		MCA			A	14.70 (MCA)	26.70 (MCA)
		MFA			A	16.20	30.00
	Energy Efficiency	EER (Nominal Cooling)		-	3.11	3.11	
		COP (Nominal Heating)		-	3.61	3.61	
		Energy Grade		-	SEER 5.6 (A+)	SEER 5.6 (A+)	
				-	SCOP 4.0 (A+)	SCOP 4.0 (A+)	
	Piping Connections	Liquid Pipe		Ø, mm	9.52	9.52	
				Ø, inch	3/8"	3/8"	
		Gas Pipe		Ø, mm	15.88	15.88	
				Ø, inch	5/8"	5/8"	
		Installation Limitation	Max. Length	m	50 (55)	50 (55)	
Max. Height			m	30 (30)	30 (30)		
Field Wiring	Power Source Wire		Ø, mm	2.50	4.00		
	Transmission Cable		Ø, mm	0.75 ~ 1.25	0.75 ~ 1.25		
Refrigerant	Type		-	R410A	R410A		
	Control Method		-	-	-		
	Factory Charging		kg	2.60	2.60		
Indoor Unit	Power Supply			Ø, #, V, Hz	1,2,220-240,50	1,2,220-240,50	
	Fan	Type		-	Sirocco Fan	Sirocco Fan	
		Motor	Output		W	153 x 3	153 x 3
			Air Flow Rate		High/Mid/Low	CMM	32.00 / 27.00 / 22.00
					l/s	533.33 / 450.00 / 366.67	533.33 / 450.00 / 366.67
		External Static Pressure	Min/Std/Max		mmAq	0.00 / 4.00 / 15.00	0.00 / 4.00 / 15.00
	Pa				0.00 / 39.20 / 147.00	0.00 / 39.20 / 147.00	
	Drain	Drain Pipe		Ø,mm	VP20 (OD 26,ID 20)	VP20 (OD 26,ID 20)	
		Sound	Pressure	High/Mid/Low		38.0 / 35.0 / 32.0	38.0 / 35.0 / 32.0
	Power		Cooling		61.0	61.0	
	External Dimension	Net Weight		kg	32.00	32.00	
		Shipping Weight		kg	37.00	37.00	
		Net Dimensions (WxHxD)		mm	1,200 x 250 x 700	1,200 x 250 x 700	
		Shipping Dimensions (WxHxD)		mm	1,450 x 320 x 780	1,450 x 320 x 780	
	Panel Size	Panel model		-	-	-	
		Panel Net Weight		kg	-	-	
		Shipping Weight		kg	-	-	
		Net Dimensions (WxHxD)		mm	-	-	
	Shipping Dimensions (WxHxD)		mm	-	-		
	Additional Accessories	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		-	UG8T300FUCJU	UG8T300LNBJU	
		Output		kW	-	-	
		Oil	Type		-	-	-
	Fan		Air Flow Rate	Cooling	CMM	68.00	68.00
				l/s	1,133.33	1,133.33	
	Sound	Pressure	Cooling/Heating			52.0 / 54.0	52.0 / 54.0
			Power		Cooling		69.0
	External Dimension	Net Weight		kg	72.00	70.00	
		Shipping Weight		kg	76.00	74.00	
		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		°C	-15.0 ~ 50.0	-15.0 ~ 50.0	
		Heating		°C	-20.0 ~ 24.0	-20.0 ~ 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.

2 Specifications

Global Duct

Type				Global Duct	Global Duct		
Model Name	Indoor Unit			AC120HBMDKH/EU	AC120HBMDKH/EU		
	Outdoor Unit			AC120HCADNH/EU	AC120HCADKH/EU		
System	Mode				Heat Pump	Heat Pump	
	Capacity	Cooling(Min/Std/Max)		kW	3.00 / 12.00 / 13.50	3.00 / 12.00 / 13.50	
				Btu/h	10,200 / 40,900 / 46,100	10,200 / 40,900 / 46,100	
		Heating(Min/Std/Max)		kW	2.50 / 13.00 / 17.00	2.50 / 13.00 / 17.00	
				Btu/h	8,500 / 44,400 / 58,000	8,500 / 44,400 / 58,000	
	Power	Power Input (Nominal)	Cooling(Min/Std/Max)		kW	0.90 / 4.40 / 5.40	0.90 / 4.40 / 5.50
			Heating(Min/Std/Max)			0.70 / 3.50 / 5.90	0.70 / 3.50 / 5.90
		Current Input (Nominal)	Cooling(Min/Std/Max)		A	1.90 / 7.00 / 8.60	5.00 / 19.50 / 24.00
			Heating(Min/Std/Max)			1.50 / 5.80 / 9.00	4.00 / 15.50 / 26.50
		MCA			A	14.70 (MCA)	26.70 (MCA)
		MFA			A	16.20	30.00
	Energy Efficiency	EER (Nominal Cooling)		-	2.73	2.73	
		COP (Nominal Heating)		-	3.71	3.71	
		Energy Grade		-	SEER 5.3 (A)	SEER 5.3 (A)	
				-	SCOP 4.0 (A)	SCOP 4.0 (A+)	
	Piping Connections	Liquid Pipe		Ø, mm	9.52	9.52	
				Ø, inch	3/8"	3/8"	
		Gas Pipe		Ø, mm	15.88	15.88	
				Ø, inch	5/8"	5/8"	
		Installation Limitation	Max. Length	m	50 (55)	50 (55)	
Max. Height			m	30 (30)	30 (30)		
Field Wiring	Power Source Wire		Ø, mm	2.50	4.00		
	Transmission Cable		Ø, mm	0.75 ~ 1.25	0.75 ~ 1.25		
Refrigerant	Type		-	R410A	R410A		
	Control Method		-	-	-		
	Factory Charging		kg	2.70	2.70		
Indoor Unit	Power Supply			Ø, #, V, Hz	1,2,220-240,50	1,2,220-240,50	
	Fan	Type		-	Sirocco Fan	Sirocco Fan	
		Motor	Output		W	244 x 3	244 x 3
			Air Flow Rate		High/Mid/Low	CMM	38.00 / 32.00 / 25.00
					l/s	633.33 / 533.33 / 416.67	633.33 / 533.33 / 416.67
		External Static Pressure	Min/Std/Max		mmAq	0.00 / 5.20 / 15.00	0.00 / 5.20 / 15.00
	Pa				0.00 / 50.96 / 147.00	0.00 / 50.96 / 147.00	
	Drain	Drain Pipe		Ø,mm	VP20 (OD 26, ID 20)	VP20 (OD 26, ID 20)	
		Sound	Pressure	High/Mid/Low	dB(A)	39.0 / 36.0 / 33.0	39.0 / 36.0 / 33.0
			Power	Cooling	65.0	65.0	
	External Dimension	Net Weight		kg	36.00	36.00	
		Shipping Weight		kg	42.00	42.00	
		Net Dimensions (WxHxD)		mm	1,300 x 300 x 700	1,300 x 300 x 700	
		Shipping Dimensions (WxHxD)		mm	1,550 x 370 x 780	1,550 x 370 x 780	
	Panel Size	Panel model		-	-	-	
		Panel Net Weight		kg	-	-	
		Shipping Weight		kg	-	-	
		Net Dimensions (WxHxD)		mm	-	-	
		Shipping Dimensions (WxHxD)		mm	-	-	
	Additional Accessories	Drain pump	Drain pump		-	-	
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		-	UG5T450FUFJXSG	UG5T450FUEJXSG	
		Output		kW	4.12	4.12	
		Oil	Type		-	POE	POE
	Fan		Air Flow Rate	Cooling	CMM	70.00	70.00
				l/s	1,166.67	1,166.67	
	Sound	Pressure	Cooling/Heating		dB(A)	54.0 / 56.0	54.0 / 58.0
			Power	Cooling		70.0	70.0
	External Dimension	Net Weight		kg	79.00	77.00	
		Shipping Weight		kg	84.00	82.00	
		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		°C	-15.0 ~ 50.0	-15.0 ~ 50.0	
		Heating		°C	-20.0 ~ 24.0	-20.0 ~ 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.

2 Specifications

Global Duct

Type				Global Duct	Global Duct		
Model Name	Indoor Unit			AC140HBMDKH/EU	AC140HBMDKH/EU		
	Outdoor Unit			AC140HCADNH/EU	AC140HCADKH/EU		
System	Mode				Heat Pump	Heat Pump	
	Capacity	Cooling(Min/Std/Max)		kW	4.60 / 14.00 / 15.40	4.60 / 14.00 / 15.40	
				Btu/h	15,700 / 47,800 / 52,500	15,700 / 47,800 / 52,500	
		Heating(Min/Std/Max)		kW	3.70 / 16.00 / 18.00	3.70 / 16.00 / 18.00	
				Btu/h	12,600 / 54,600 / 61,400	12,600 / 54,600 / 61,400	
	Power	Power Input (Nominal)	Cooling(Min/Std/Max)		kW	1.00 / 4.63 / 5.50	1.00 / 4.63 / 5.50
			Heating(Min/Std/Max)			0.80 / 4.43 / 5.70	0.80 / 4.43 / 5.70
		Current Input (Nominal)	Cooling(Min/Std/Max)		A	2.10 / 7.50 / 9.50	5.60 / 21.60 / 24.00
			Heating(Min/Std/Max)			1.70 / 7.10 / 8.80	4.50 / 19.70 / 25.00
		MCA			A	14.70 (MCA)	26.70 (MCA)
		MFA			A	16.20	30.00
	Energy Efficiency	EER (Nominal Cooling)		-	3.02	3.02	
		COP (Nominal Heating)		-	3.61	3.61	
		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	4.00		
	Transmission Cable		Ø, mm	0.75 ~ 1.25	0.75 ~ 1.25		
Refrigerant	Type		-	R410A	R410A		
	Control Method		-	-	-		
	Factory Charging		kg	2.80	2.80		
Indoor Unit	Power Supply			Ø, #, V, Hz	1,2,220-240,50	1,2,220-240,50	
	Fan	Type		-	Sirocco Fan	Sirocco Fan	
		Motor	Output		W	244 x 3	244 x 3
			Air Flow Rate		High/Mid/Low	CMM	42.00 / 34.00 / 25.00
					l/s	700.00 / 566.67 / 416.67	700.00 / 566.67 / 416.67
		External Static Pressure	Min/Std/Max		mmAq	0.00 / 5.20 / 15.00	0.00 / 5.20 / 15.00
	Pa				0.00 / 50.96 / 147.00	0.00 / 50.96 / 147.00	
	Drain	Drain Pipe		Ø,mm	VP20 (OD 26, ID 20)	VP20 (OD 26, ID 20)	
		Sound	Pressure		High/Mid/Low	40.0 / 37.0 / 33.0	40.0 / 37.0 / 33.0
	Power		Cooling		66.0	66.0	
	External Dimension	Net Weight		kg	36.00	36.00	
		Shipping Weight		kg	42.00	42.00	
		Net Dimensions (WxHxD)		mm	1,300 x 300 x 700	1,300 x 300 x 700	
		Shipping Dimensions (WxHxD)		mm	1,550 x 370 x 780	1,550 x 370 x 780	
	Panel Size	Panel model		-	-	-	
		Panel Net Weight		kg	-	-	
		Shipping Weight		kg	-	-	
		Net Dimensions (WxHxD)		mm	-	-	
	Shipping Dimensions (WxHxD)		mm	-	-		
	Additional Accessories	Drain pump	Drain pump		-	-	
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		-	UG5T450FUFJXSG	UG5T450FUEJXSG	
		Output		kW	4.12	4.12	
	Oil	Type		-	POE	POE	
		Fan	Air Flow Rate		Cooling	CMM	100.00
				l/s	1,666.67	1,666.67	
	Sound	Pressure		Cooling/Heating		53.0 / 54.0	53.0 / 54.0
		Power		Cooling		70.0	70.0
	External Dimension	Net Weight		kg	90.00	88.00	
		Shipping Weight		kg	100.00	98.00	
		Net Dimensions (WxHxD)		mm	940 x 1,210 x 330	940 x 1,210 x 330	
		Shipping Dimensions (WxHxD)		mm	995 x 1,388 x 426	995 x 1,388 x 426	
	Operating Temp. Range	Cooling		°C	-15.0 ~ 50.0	-15.0 ~ 50.0	
		Heating		°C	-20.0 ~ 24.0	-20.0 ~ 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.

3 Capacity table

Global Duct

AC035HBMDKH/EU + AC035HCADKH/EU

Cooling

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

Outdoor temperature (°C, DB)	Indoor temperature (°C, WB)																	
	14.0			16.0			18.0			19.0			22.0			24.0		
	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
-15.0	3.95	3.16	0.66	4.05	3.24	0.68	4.15	3.32	0.69	4.25	3.40	0.71	4.35	3.48	0.73	4.46	3.57	0.74
21.0	3.86	3.09	1.08	3.95	3.16	1.10	4.05	3.24	1.13	4.15	3.32	1.16	4.25	3.40	1.19	4.35	3.48	1.22
35.0	3.25	2.60	1.02	3.33	2.67	1.05	3.42	2.73	1.07	3.50	2.80	1.10	3.58	2.87	1.13	3.67	2.94	1.15
46.0	2.98	2.38	1.28	3.05	2.44	1.31	3.12	2.50	1.35	3.20	2.56	1.38	3.28	2.62	1.41	3.36	2.68	1.45
50.0	2.79	2.09	1.33	2.86	2.14	1.36	2.93	2.20	1.40	3.00	2.40	1.46	3.07	2.46	1.81	3.15	2.52	1.85

Heating

TC : Total Capacity, PI: Power Input

Outdoor temperature (°C, DB)	Indoor temperature (°C, WB)											
	16.0		18.0		20.0		21.0		22.0		24.0	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
-20.0	2.25	1.31	2.23	1.29	2.21	1.28	2.19	1.27	2.17	1.25	2.14	1.24
-10.0	3.38	1.26	3.34	1.25	3.31	1.24	3.28	1.23	3.24	1.22	3.21	1.20
7.0	4.08	1.04	4.04	1.03	4.00	1.02	3.96	1.01	3.92	1.00	3.88	0.99
24.0	4.36	1.35	4.31	1.33	4.27	1.32	4.23	1.31	4.19	1.29	4.14	1.28

AC052HBLDKH/EU + AC052HCADKH/EU

Cooling

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

Outdoor temperature (°C, DB)	Indoor temperature (°C, WB)																	
	14.0			16.0			18.0			19.0			22.0			24.0		
	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
-15.0	5.16	4.13	1.32	5.29	4.23	1.35	5.42	4.34	1.39	5.56	4.44	1.42	5.69	4.55	1.45	5.82	4.66	1.49
21.0	5.11	4.09	1.47	5.24	4.19	1.51	5.37	4.29	1.54	5.50	4.40	1.58	5.63	4.51	1.62	5.77	4.61	1.66
35.0	4.65	3.72	1.45	4.76	3.81	1.49	4.88	3.90	1.52	5.00	4.00	1.56	5.12	4.10	1.60	5.24	4.19	1.64
46.0	3.74	2.99	1.60	3.83	3.06	1.63	3.92	3.14	1.67	4.02	3.22	1.72	4.12	3.29	1.76	4.22	3.37	1.80
50.0	3.36	2.09	1.33	3.45	2.14	1.36	3.53	2.20	1.40	3.62	2.89	1.96	3.70	2.96	2.43	3.79	3.03	2.49

Heating

TC : Total Capacity PI: Power Input

Outdoor temperature (°C, DB)	Indoor temperature (°C, WB)											
	16.0		18.0		20.0		21.0		22.0		24.0	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
-20.0	3.47	1.62	3.43	1.61	3.40	1.59	3.37	1.57	3.33	1.56	3.30	1.54
-10.0	4.28	2.17	4.24	2.15	4.20	2.13	4.16	2.11	4.12	2.09	4.08	2.07
7.0	6.12	1.69	6.06	1.68	6.00	1.66	5.94	1.64	5.88	1.63	5.82	1.61
24.0	6.32	1.79	6.26	1.77	6.20	1.75	6.14	1.73	6.08	1.72	6.02	1.70

- Ratings shown are capacities.

- Capacities are based on following conditions;

- Refrigerant piping length : 5m / Level difference : 0m.

3 Capacity table

Global Duct

AC052HBMDKH/EU + AC052HCADKH/EU

Cooling

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

Outdoor temperature (°C, DB)	Indoor temperature (°C, WB)																	
	14.0			16.0			18.0			19.0			22.0			24.0		
	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
-15.0	5.22	4.17	1.32	5.34	4.28	1.35	5.48	4.38	1.39	5.61	4.49	1.42	5.74	4.60	1.45	5.88	4.71	1.49
21.0	5.11	4.09	1.47	5.24	4.19	1.51	5.37	4.29	1.54	5.50	4.40	1.58	5.63	4.51	1.62	5.77	4.61	1.66
35.0	4.65	3.72	1.45	4.76	3.81	1.49	4.88	3.90	1.52	5.00	4.00	1.56	5.12	4.10	1.60	5.24	4.19	1.64
46.0	3.74	2.99	1.93	3.83	3.06	1.98	3.92	3.14	2.03	4.02	3.22	2.08	4.12	3.29	2.13	4.22	3.37	2.18
50.0	3.37	2.09	1.33	3.45	2.14	1.36	3.53	2.20	1.40	3.62	2.90	1.96	3.71	2.97	2.43	3.80	3.04	2.49

Heating

TC : Total Capacity, PI: Power Input

Outdoor temperature (°C, DB)	Indoor temperature (°C, WB)											
	16.0		18.0		20.0		21.0		22.0		24.0	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
-20.0	3.47	1.62	3.43	1.61	3.40	1.59	3.37	1.57	3.33	1.56	3.30	1.54
-10.0	4.28	2.17	4.24	2.15	4.20	2.13	4.16	2.11	4.12	2.09	4.08	2.07
7.0	6.12	1.69	6.06	1.68	6.00	1.66	5.94	1.64	5.88	1.63	5.82	1.61
24.0	6.32	1.79	6.26	1.77	6.20	1.75	6.14	1.73	6.08	1.72	6.02	1.70

AC060HBMDKH/EU + AC060HCADKH/EU

Cooling

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

Outdoor temperature (°C, DB)	Indoor temperature (°C, WB)																	
	14.0			16.0			18.0			19.0			22.0			24.0		
	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
-15.0	6.29	5.04	1.45	6.45	5.16	1.49	6.61	5.29	1.52	6.77	5.42	1.56	6.93	5.55	1.60	7.10	5.68	1.64
21.0	6.08	4.86	1.50	6.23	4.98	1.53	6.38	5.11	1.57	6.54	5.23	1.61	6.70	5.36	1.65	6.86	5.49	1.69
35.0	5.58	4.46	1.64	5.72	4.57	1.68	5.86	4.68	1.72	6.00	4.80	1.76	6.14	4.92	1.80	6.29	5.03	1.85
46.0	5.39	4.31	2.70	5.52	4.42	2.76	5.66	4.53	2.83	5.20	4.64	2.71	5.94	4.75	2.97	6.08	4.87	3.04
50.0	5.30	4.24	2.60	5.43	4.35	2.67	5.57	4.45	2.73	4.76	4.56	2.42	5.84	4.67	3.47	5.98	4.79	3.56

Heating

TC : Total Capacity PI: Power Input

Outdoor temperature (°C, DB)	Indoor temperature (°C, WB)											
	16.0		18.0		20.0		21.0		22.0		24.0	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
-20.0	3.77	1.82	3.74	1.80	3.70	1.78	3.66	1.76	3.63	1.74	3.59	1.73
-10.0	5.81	2.40	5.76	2.37	5.70	2.35	5.64	2.33	5.59	2.30	5.53	2.28
7.0	7.14	1.93	7.07	1.91	7.00	1.89	6.93	1.87	6.86	1.85	6.79	1.83
24.0	9.08	2.30	8.99	2.27	8.90	2.25	8.81	2.23	8.72	2.21	8.64	2.18

- Ratings shown are capacities.

- Capacities are based on following conditions;

- Refrigerant piping length : 5m / Level difference : 0m.

3 Capacity table

Global Duct

AC071HBLDKH/EU + AC071HCADKH/EU

Cooling

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

Outdoor temperature (°C, DB)	Indoor temperature (°C, WB)																	
	14.0			16.0			18.0			19.0			22.0			24.0		
	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
-15.0	6.83	5.47	1.67	7.00	5.60	1.71	7.17	5.74	1.75	7.35	5.88	1.79	7.53	6.02	1.84	7.71	6.17	1.88
21.0	7.29	5.83	1.59	7.47	5.97	1.63	7.65	6.12	1.67	7.84	6.27	1.71	8.03	6.42	1.75	8.22	6.58	1.80
35.0	6.60	5.28	2.05	6.76	5.41	2.10	6.93	5.54	2.15	7.10	5.68	2.20	7.27	5.82	2.25	7.44	5.96	2.31
46.0	6.24	4.99	2.93	6.39	5.11	3.00	6.55	5.24	3.07	6.12	5.37	3.15	6.87	5.50	3.23	7.04	5.63	3.30
50.0	5.28	4.22	2.90	5.41	4.33	2.97	5.54	4.43	3.05	5.68	4.54	3.12	5.82	4.65	3.87	5.96	4.76	3.96

Heating

TC : Total Capacity, PI: Power Input

Outdoor temperature (°C, DB)	Indoor temperature (°C, WB)											
	16.0		18.0		20.0		21.0		22.0		24.0	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
-20.0	4.08	3.16	4.04	3.13	4.00	3.10	3.96	3.07	3.92	3.04	3.88	3.01
-10.0	5.30	3.57	5.25	3.54	5.20	3.50	5.15	3.47	5.10	3.43	5.05	3.40
7.0	8.16	2.35	8.08	2.32	8.00	2.30	7.92	2.28	7.84	2.25	7.76	2.23
24.0	9.69	2.75	9.60	2.73	9.50	2.70	9.41	2.67	9.31	2.65	9.22	2.62

AC071HBMDKH/EU + AC071HCADKH/EU

Cooling

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

Outdoor temperature (°C, DB)	Indoor temperature (°C, WB)																	
	14.0			16.0			18.0			19.0			22.0			24.0		
	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
-15.0	6.83	5.47	1.67	7.00	5.60	1.71	7.17	5.74	1.75	7.35	5.88	1.79	7.53	6.02	1.84	7.71	6.17	1.88
21.0	7.29	5.83	1.59	7.47	5.97	1.63	7.65	6.12	1.67	7.84	6.27	1.71	8.03	6.42	1.75	8.22	6.58	1.80
35.0	6.60	5.28	2.05	6.76	5.41	2.10	6.93	5.54	2.15	7.10	5.68	2.20	7.27	5.82	2.25	7.44	5.96	2.31
46.0	6.24	4.99	2.93	6.39	5.11	3.00	6.55	5.24	3.07	6.12	5.37	3.15	6.87	5.50	3.23	7.04	5.63	3.30
50.0	5.28	4.22	2.90	5.41	4.33	2.97	5.54	4.43	3.05	5.68	4.54	3.12	5.82	4.65	3.87	5.96	4.76	3.96

Heating

TC : Total Capacity PI: Power Input

Outdoor temperature (°C, DB)	Indoor temperature (°C, WB)											
	16.0		18.0		20.0		21.0		22.0		24.0	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
-20.0	4.08	3.16	4.04	3.13	4.00	3.10	3.96	3.07	3.92	3.04	3.88	3.01
-10.0	5.30	3.57	5.25	3.54	5.20	3.50	5.15	3.47	5.10	3.43	5.05	3.40
7.0	8.16	2.35	8.08	2.32	8.00	2.30	7.92	2.28	7.84	2.25	7.76	2.23
24.0	9.69	2.75	9.60	2.73	9.50	2.70	9.41	2.67	9.31	2.65	9.22	2.62

- Ratings shown are capacities.

- Capacities are based on following conditions;

- Refrigerant piping length : 5m / Level difference : 0m.

3 Capacity table

Global Duct

AC090HBMDKH/EU + AC090HCADKH/EU

Cooling

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

Outdoor temperature (°C, DB)	Indoor temperature (°C, WB)																	
	14.0			16.0			18.0			19.0			22.0			24.0		
	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
-15.0	9.44	7.55	2.45	9.67	7.73	2.51	9.91	7.93	2.57	10.15	8.12	2.63	10.39	8.31	2.69	10.64	8.51	2.76
21.0	9.48	7.59	2.46	9.72	7.77	2.52	9.96	7.96	2.59	10.20	8.16	2.65	10.44	8.36	2.71	10.70	8.56	2.78
35.0	8.37	6.69	2.60	8.57	6.86	2.67	8.78	7.03	2.73	9.00	7.20	2.80	9.22	7.37	2.87	9.44	7.55	2.94
46.0	7.34	5.88	3.44	7.53	6.02	3.52	7.71	6.17	3.61	6.90	6.32	3.20	8.09	6.47	3.79	8.28	6.63	3.88
50.0	6.04	4.83	3.35	6.19	4.95	3.43	6.34	5.08	3.51	5.50	5.20	2.80	6.66	5.32	4.46	6.82	5.45	4.57

Heating

TC : Total Capacity, PI: Power Input

Outdoor temperature (°C, DB)	Indoor temperature (°C, WB)											
	16.0		18.0		20.0		21.0		22.0		24.0	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
-20.0	6.37	2.90	6.30	2.87	6.24	2.84	6.18	2.81	6.12	2.78	6.05	2.76
-10.0	10.76	4.78	10.66	4.74	10.55	4.69	10.44	4.64	10.34	4.60	10.24	4.55
7.0	10.20	2.83	10.10	2.80	10.00	2.77	9.90	2.74	9.80	2.71	9.70	2.69
24.0	13.47	3.57	13.33	3.54	13.20	3.50	13.07	3.47	12.94	3.43	12.81	3.40

AC090HBMDKH/EU + AC090HCADNH/EU

Cooling

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

Outdoor temperature (°C, DB)	Indoor temperature (°C, WB)																	
	14.0			16.0			18.0			19.0			22.0			24.0		
	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
-15.0	9.44	7.55	2.45	9.67	7.73	2.51	9.91	7.93	2.57	10.15	8.12	2.63	10.39	8.31	2.69	10.64	8.51	2.76
21.0	9.48	7.59	2.46	9.72	7.77	2.52	9.96	7.96	2.59	10.20	8.16	2.65	10.44	8.36	2.71	10.70	8.56	2.78
35.0	8.37	6.69	2.60	8.57	6.86	2.67	8.78	7.03	2.73	9.00	7.20	2.80	9.22	7.37	2.87	9.44	7.55	2.94
46.0	7.34	5.88	3.44	7.53	6.02	3.52	7.71	6.17	3.61	6.90	6.32	3.20	8.09	6.47	3.79	8.28	6.63	3.88
50.0	6.04	4.83	3.35	6.19	4.95	3.43	6.34	5.08	3.51	5.50	5.20	2.80	6.66	5.32	4.46	6.82	5.45	4.57

Heating

TC : Total Capacity PI: Power Input

Outdoor temperature (°C, DB)	Indoor temperature (°C, WB)											
	16.0		18.0		20.0		21.0		22.0		24.0	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
-20.0	6.37	2.90	6.30	2.87	6.24	2.84	6.18	2.81	6.12	2.78	6.05	2.76
-10.0	10.76	4.78	10.66	4.74	10.55	4.69	10.44	4.64	10.34	4.60	10.24	4.55
7.0	10.20	2.83	10.10	2.80	10.00	2.77	9.90	2.74	9.80	2.71	9.70	2.69
24.0	13.47	3.57	13.33	3.54	13.20	3.50	13.07	3.47	12.94	3.43	12.81	3.40

- Ratings shown are capacities.

- Capacities are based on following conditions;

- Refrigerant piping length : 5m / Level difference : 0m.

3 Capacity table

Global Duct

AC100HBMDKH/EU + AC100HCADNH/EU

Cooling

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

Outdoor temperature (°C, DB)	Indoor temperature (°C, WB)																	
	14.0			16.0			18.0			19.0			22.0			24.0		
	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
-15.0	9.76	7.81	2.70	10.00	8.00	2.76	10.25	8.20	2.83	10.50	8.40	2.90	10.75	8.60	2.97	11.01	8.81	3.04
21.0	10.23	8.18	2.79	10.48	8.38	2.86	10.74	8.59	2.93	11.00	8.80	3.00	11.26	9.01	3.07	11.53	9.23	3.15
35.0	9.30	7.44	2.99	9.53	7.62	3.06	9.76	7.81	3.14	10.00	8.00	3.22	10.24	8.19	3.29	10.49	8.39	3.37
46.0	6.90	5.52	3.37	7.07	5.65	3.46	7.24	5.79	3.54	7.42	5.93	3.63	7.60	6.08	3.72	7.78	6.22	3.81
50.0	5.34	2.09	1.33	5.47	2.14	1.36	5.60	2.20	1.40	5.74	4.59	3.00	5.88	4.70	3.72	6.02	4.82	3.81

Heating

TC : Total Capacity, PI: Power Input

Outdoor temperature (°C, DB)	Indoor temperature (°C, WB)											
	16.0		18.0		20.0		21.0		22.0		24.0	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
-20.0	7.34	3.06	7.27	3.03	7.20	3.00	7.13	2.97	7.06	2.94	6.99	2.91
-10.0	11.02	5.00	10.91	4.95	10.80	4.90	10.69	4.85	10.59	4.80	10.48	4.75
7.0	11.43	3.16	11.31	3.13	11.20	3.10	11.09	3.07	10.98	3.04	10.87	3.01
24.0	14.08	3.92	13.94	3.88	13.80	3.84	13.66	3.80	13.53	3.76	13.39	3.73

AC100HBMDKH/EU + AC100HCADKH/EU

Cooling

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

Outdoor temperature (°C, DB)	Indoor temperature (°C, WB)																	
	14.0			16.0			18.0			19.0			22.0			24.0		
	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
-15.0	9.76	7.81	2.70	10.00	8.00	2.76	10.25	8.20	2.83	10.50	8.40	2.90	10.75	8.60	2.97	11.01	8.81	3.04
21.0	10.23	8.18	2.79	10.48	8.38	2.86	10.74	8.59	2.93	11.00	8.80	3.00	11.26	9.01	3.07	11.53	9.23	3.15
35.0	9.30	7.44	2.99	9.53	7.62	3.06	9.76	7.81	3.14	10.00	8.00	3.22	10.24	8.19	3.29	10.49	8.39	3.37
46.0	6.90	5.52	3.37	7.07	5.65	3.46	7.24	5.79	3.54	7.42	5.93	3.63	7.60	6.08	3.72	7.78	6.22	3.81
50.0	5.34	2.09	1.33	5.47	2.14	1.36	5.60	2.20	1.40	5.74	4.59	3.00	5.88	4.70	3.72	6.02	4.82	3.81

Heating

TC : Total Capacity PI: Power Input

Outdoor temperature (°C, DB)	Indoor temperature (°C, WB)											
	16.0		18.0		20.0		21.0		22.0		24.0	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
-20.0	7.34	3.06	7.27	3.03	7.20	3.00	7.13	2.97	7.06	2.94	6.99	2.91
-10.0	11.02	5.00	10.91	4.95	10.80	4.90	10.69	4.85	10.59	4.80	10.48	4.75
7.0	11.43	3.16	11.31	3.13	11.20	3.10	11.09	3.07	10.98	3.04	10.87	3.01
24.0	14.08	3.92	13.94	3.88	13.80	3.84	13.66	3.80	13.53	3.76	13.39	3.73

- Ratings shown are capacities.

- Capacities are based on following conditions;

- Refrigerant piping length : 5m / Level difference : 0m.

3 Capacity table

Global Duct

AC120HBMDKH/EU + AC120HCADNH/EU

Cooling

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

Outdoor temperature (°C, DB)	Indoor temperature (°C, WB)																	
	14.0			16.0			18.0			19.0			22.0			24.0		
	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
-15.0	10.07	8.06	2.92	10.32	8.25	2.99	10.57	8.46	3.06	10.83	8.66	3.14	11.09	8.87	3.22	11.36	9.08	3.29
21.0	12.82	10.26	3.52	13.14	10.51	3.61	13.46	10.77	3.70	13.79	11.03	3.79	14.12	11.30	3.88	14.46	11.57	3.97
35.0	11.16	8.93	4.09	11.43	9.14	4.19	11.71	9.37	4.29	12.00	9.60	4.40	12.29	9.83	4.51	12.58	10.07	4.61
46.0	8.20	6.56	3.64	8.40	6.72	3.73	8.61	6.89	3.83	8.82	7.06	3.92	9.03	7.23	4.01	9.25	7.40	4.11
50.0	5.66	2.09	1.33	5.80	2.14	1.36	5.94	2.20	1.40	6.09	4.87	3.07	6.24	4.99	3.81	6.39	5.11	3.90

Heating

TC : Total Capacity, PI: Power Input

Outdoor temperature (°C, DB)	Indoor temperature (°C, WB)											
	16.0		18.0		20.0		21.0		22.0		24.0	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
-20.0	8.71	4.03	8.63	3.99	8.54	3.95	8.45	3.91	8.37	3.87	8.29	3.83
-10.0	12.82	5.22	12.70	5.17	12.57	5.12	12.44	5.07	12.32	5.02	12.20	4.97
7.0	13.26	3.57	13.13	3.54	13.00	3.50	12.87	3.47	12.74	3.43	12.61	3.40
24.0	14.93	4.24	14.79	4.20	14.64	4.16	14.49	4.12	14.35	4.08	14.21	4.04

AC120HBMDKH/EU + AC120HCADKH/EU

Cooling

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

Outdoor temperature (°C, DB)	Indoor temperature (°C, WB)																	
	14.0			16.0			18.0			19.0			22.0			24.0		
	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
-15.0	10.07	8.06	2.92	10.32	8.25	2.99	10.57	8.46	3.06	10.83	8.66	3.14	11.09	8.87	3.22	11.36	9.08	3.29
21.0	12.82	10.26	3.52	13.14	10.51	3.61	13.46	10.77	3.70	13.79	11.03	3.79	14.12	11.30	3.88	14.46	11.57	3.97
35.0	11.16	8.93	4.09	11.43	9.14	4.19	11.71	9.37	4.29	12.00	9.60	4.40	12.29	9.83	4.51	12.58	10.07	4.61
46.0	8.20	6.56	3.64	8.40	6.72	3.73	8.61	6.89	3.83	8.82	7.06	3.92	9.03	7.23	4.01	9.25	7.40	4.11
50.0	5.66	2.09	1.33	5.80	2.14	1.36	5.94	2.20	1.40	6.09	4.87	3.07	6.24	4.99	3.81	6.39	5.11	3.90

Heating

TC : Total Capacity PI: Power Input

Outdoor temperature (°C, DB)	Indoor temperature (°C, WB)											
	16.0		18.0		20.0		21.0		22.0		24.0	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
-20.0	8.71	4.03	8.63	3.99	8.54	3.95	8.45	3.91	8.37	3.87	8.29	3.83
-10.0	12.82	5.22	12.70	5.17	12.57	5.12	12.44	5.07	12.32	5.02	12.20	4.97
7.0	13.26	3.57	13.13	3.54	13.00	3.50	12.87	3.47	12.74	3.43	12.61	3.40
24.0	14.93	4.24	14.79	4.20	14.64	4.16	14.49	4.12	14.35	4.08	14.21	4.04

- Ratings shown are capacities.

- Capacities are based on following conditions;

- Refrigerant piping length : 5m / Level difference : 0m.

3 Capacity table

Global Duct

AC140HBMDKH/EU + AC140HCADNH/EU

Cooling

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

Outdoor temperature (°C, DB)	Indoor temperature (°C, WB)																	
	14.0			16.0			18.0			19.0			22.0			24.0		
	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
-15.0	10.30	8.24	3.30	10.55	8.44	3.38	10.81	8.65	3.46	11.08	8.86	3.55	11.35	9.08	3.64	11.62	9.29	3.72
21.0	14.84	11.87	4.68	15.20	12.16	4.80	15.58	12.46	4.92	15.96	12.77	5.04	16.34	13.07	5.16	16.74	13.39	5.28
35.0	13.02	10.41	4.30	13.34	10.67	4.41	13.66	10.93	4.52	14.00	11.20	4.63	14.34	11.47	4.74	14.68	11.74	4.85
46.0	8.96	7.17	3.93	9.18	7.35	4.03	9.41	7.53	4.13	9.64	7.71	4.23	9.87	7.90	4.33	10.11	8.09	4.44
50.0	6.02	2.09	1.33	6.17	2.14	1.36	6.32	2.20	1.40	6.48	5.18	3.17	6.64	5.31	3.93	6.79	5.44	4.03

Heating

TC : Total Capacity, PI: Power Input

Outdoor temperature (°C, DB)	Indoor temperature (°C, WB)											
	16.0		18.0		20.0		21.0		22.0		24.0	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
-20.0	9.67	4.26	9.57	4.22	9.48	4.18	9.38	4.14	9.29	4.10	9.20	4.06
-10.0	13.87	5.71	13.74	5.66	13.60	5.60	13.46	5.54	13.33	5.49	13.20	5.43
7.0	16.32	4.52	16.16	4.47	16.00	4.43	15.84	4.39	15.68	4.34	15.52	4.30
24.0	19.98	4.60	19.79	4.56	19.59	4.51	19.39	4.46	19.20	4.42	19.01	4.38

AC140HBMDKH/EU + AC140HCADKH/EU

Cooling

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

Outdoor temperature (°C, DB)	Indoor temperature (°C, WB)																	
	14.0			16.0			18.0			19.0			22.0			24.0		
	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
-15.0	10.30	8.24	3.30	10.55	8.44	3.38	10.81	8.65	3.46	11.08	8.86	3.55	11.35	9.08	3.64	11.62	9.29	3.72
21.0	14.84	11.87	4.68	15.20	12.16	4.80	15.58	12.46	4.92	15.96	12.77	5.04	16.34	13.07	5.16	16.74	13.39	5.28
35.0	13.02	10.41	4.30	13.34	10.67	4.41	13.66	10.93	4.52	14.00	11.20	4.63	14.34	11.47	4.74	14.68	11.74	4.85
46.0	8.96	7.17	3.93	9.18	7.35	4.03	9.41	7.53	4.13	9.64	7.71	4.23	9.87	7.90	4.33	10.11	8.09	4.44
50.0	6.02	2.09	1.33	6.17	2.14	1.36	6.32	2.20	1.40	6.48	5.18	3.17	6.64	5.31	3.93	6.79	5.44	4.03

Heating

TC : Total Capacity PI: Power Input

Outdoor temperature (°C, DB)	Indoor temperature (°C, WB)											
	16.0		18.0		20.0		21.0		22.0		24.0	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
-20.0	9.67	4.26	9.57	4.22	9.48	4.18	9.38	4.14	9.29	4.10	9.20	4.06
-10.0	13.87	5.71	13.74	5.66	13.60	5.60	13.46	5.54	13.33	5.49	13.20	5.43
7.0	16.32	4.52	16.16	4.47	16.00	4.43	15.84	4.39	15.68	4.34	15.52	4.30
24.0	19.98	4.60	19.79	4.56	19.59	4.51	19.39	4.46	19.20	4.42	19.01	4.38

- Ratings shown are capacities.

- Capacities are based on following conditions;

- Refrigerant piping length : 5m / Level difference : 0m.

4 Dimensional drawing

Global Duct

AC035HBMDKH/EU, AC052HBMDKH/EU, AC060HBMDKH/EU, AC071HBMDKH/EU

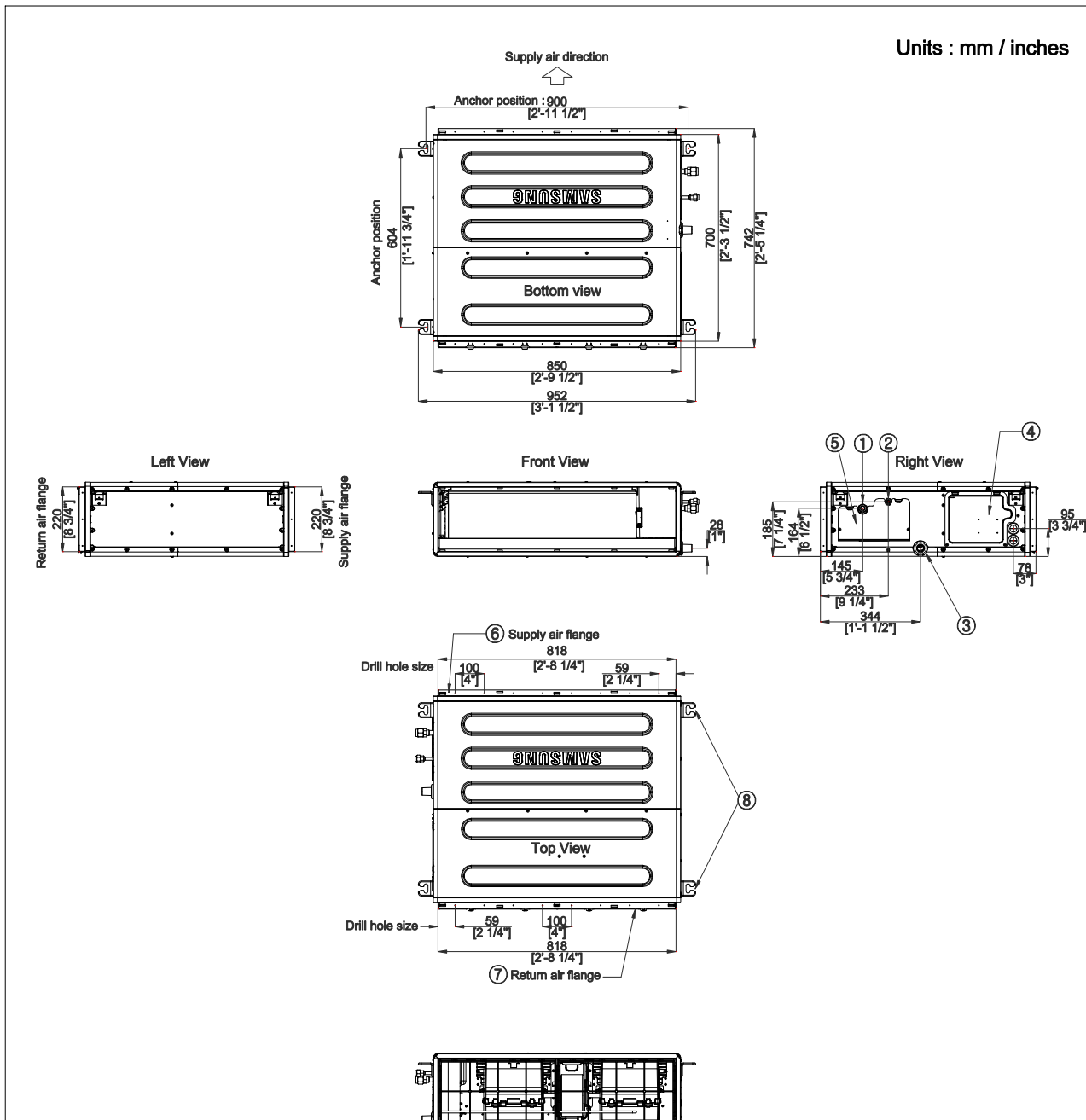


Table of descriptions

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

4 Dimensional drawing

Global Duct

AC052HBLDKH/EU, AC071HBLDKH/EU

Units : mm / inches

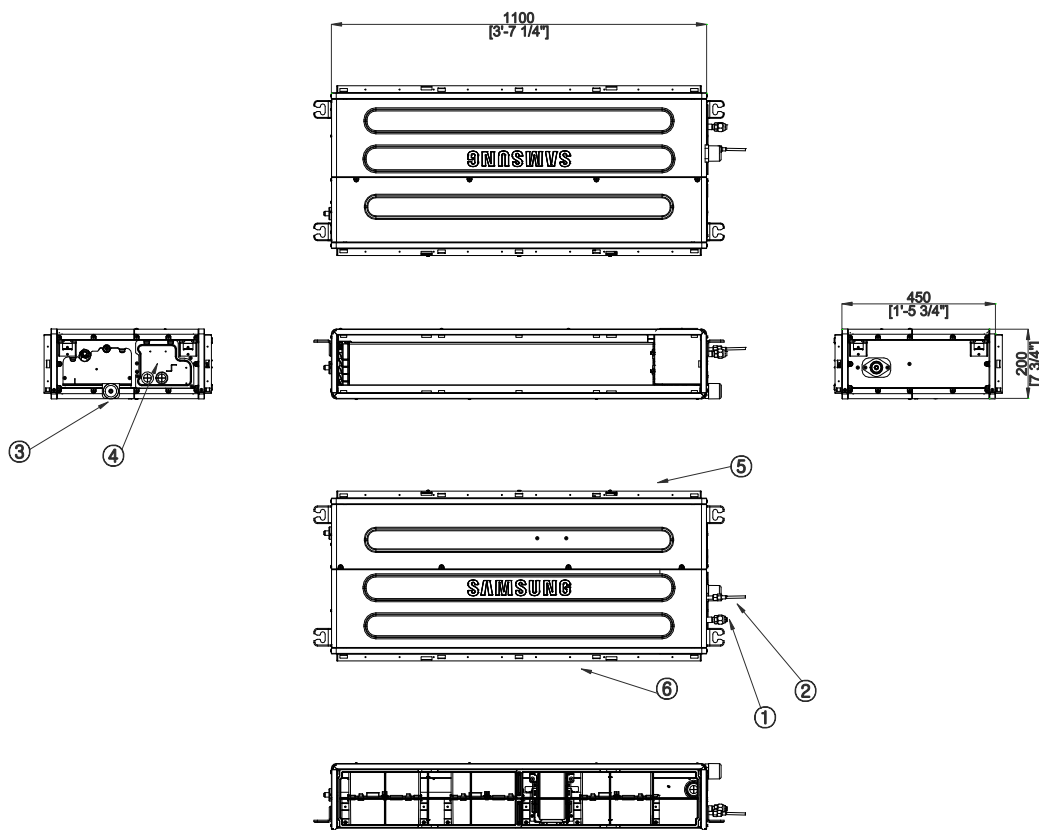


Table of descriptions

1	Refrigerant gas pipe	7	
2	Refrigerant liquid pipe	8	
3	Condensate drain	9	
4	Power & Comm. wiring conduits	10	
5	Air Inlet grille	11	
6	Air Outlet grille	12	

4 Dimensional drawing

Global Duct

AC090HBMDKH/EU, AC100HBMDKH/EU

Units : mm / inches

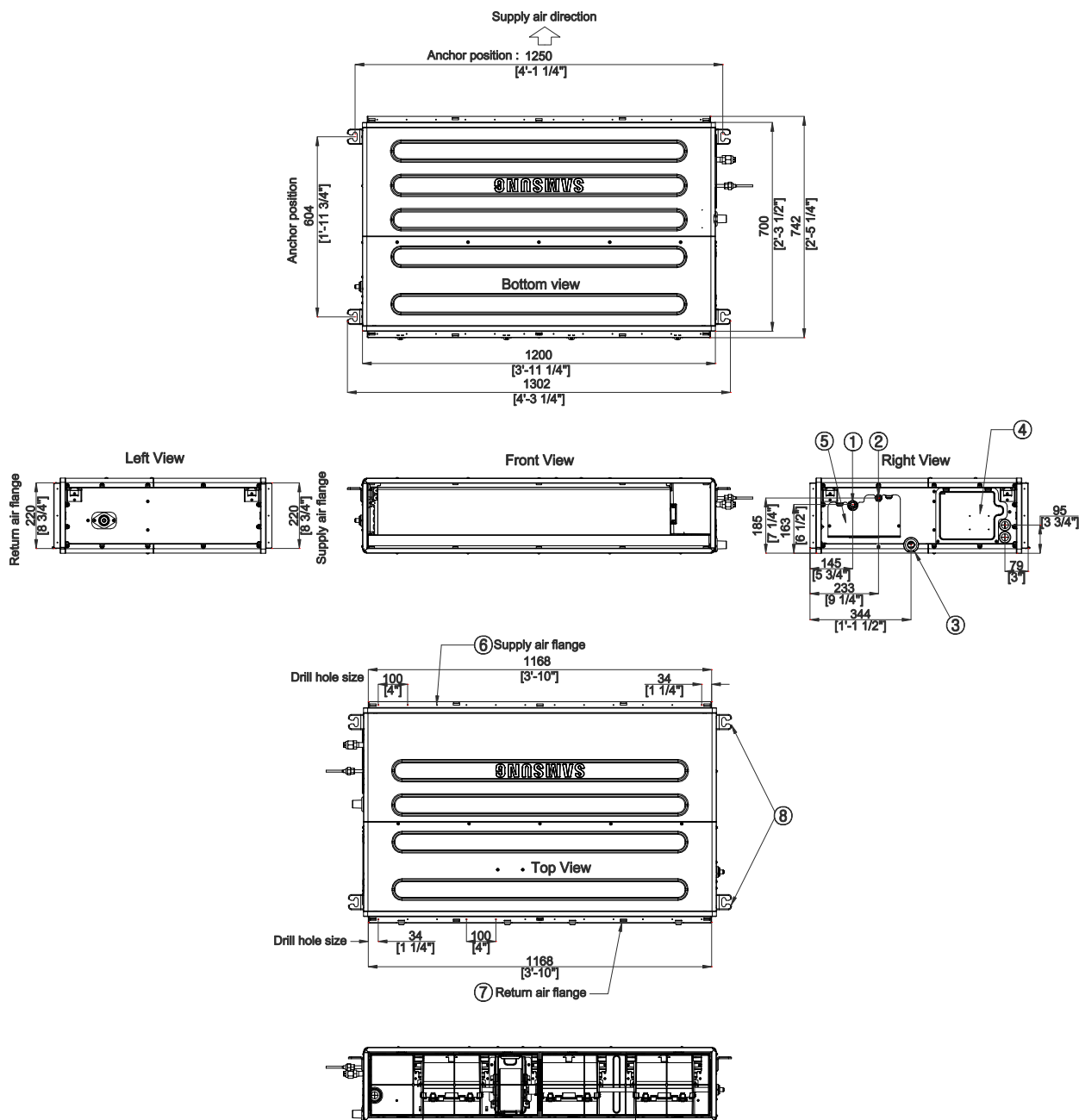


Table of descriptions

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

4 Dimensional drawing

Global Duct

AC120HBMDKH/EU, AC140HBMDKH/EU

Units : mm / inches

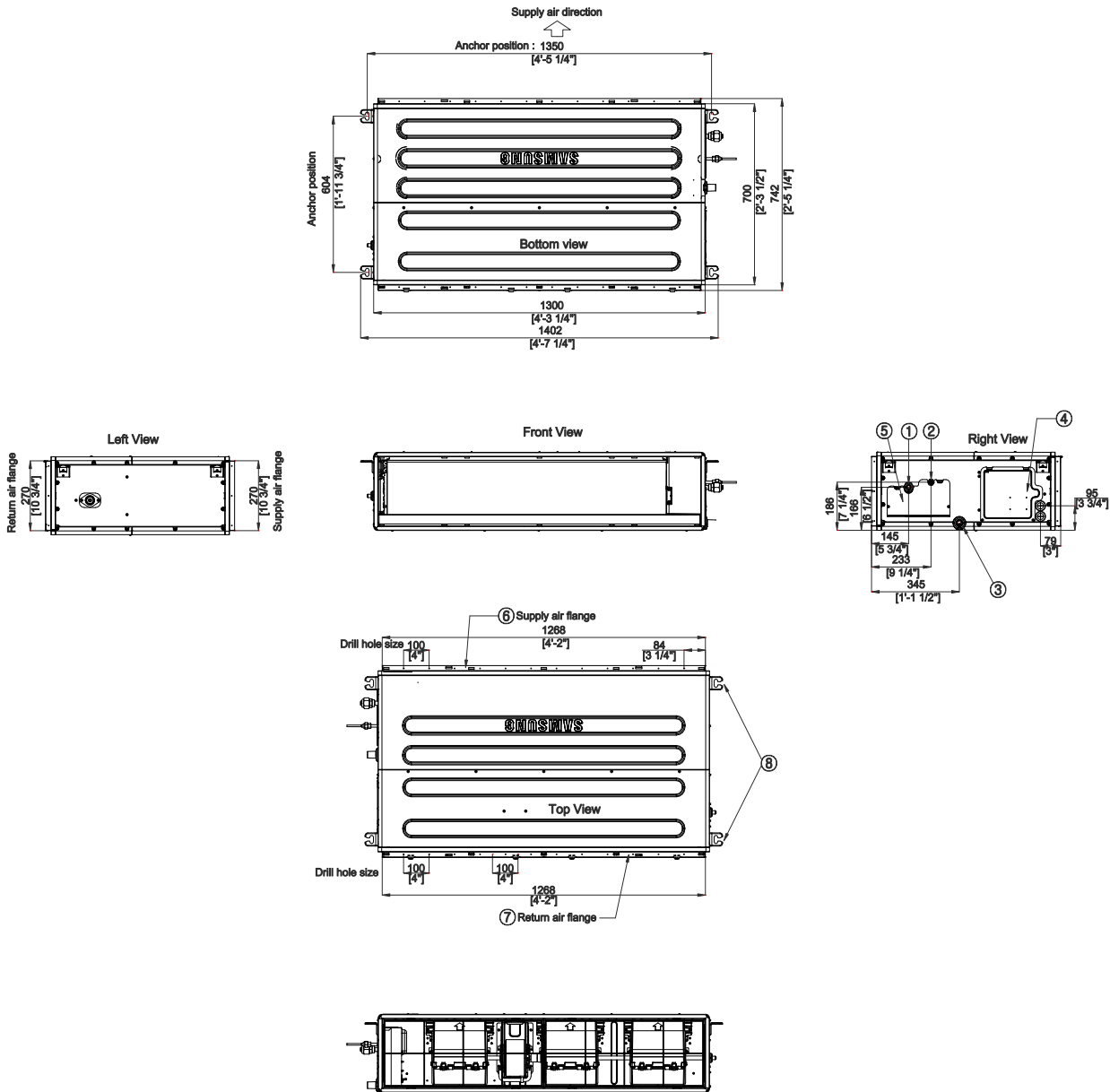


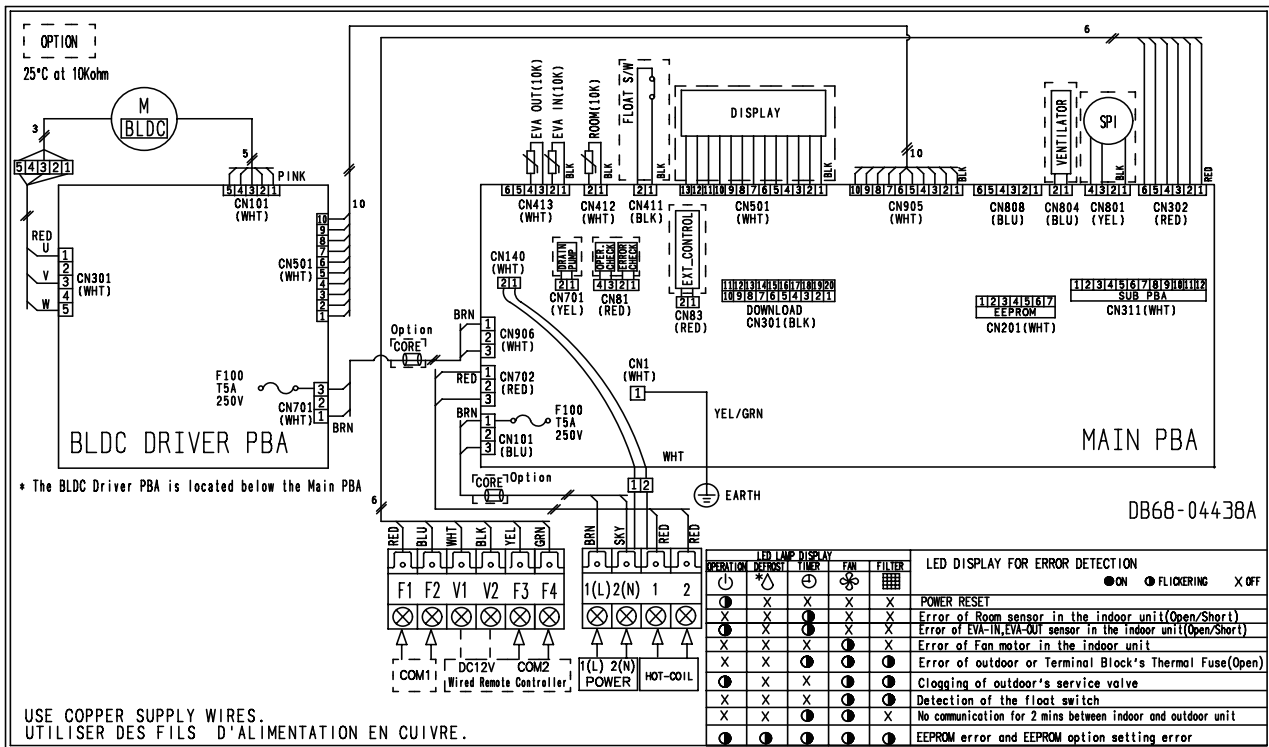
Table of descriptions

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

5 Electrical wiring diagram

Global Duct

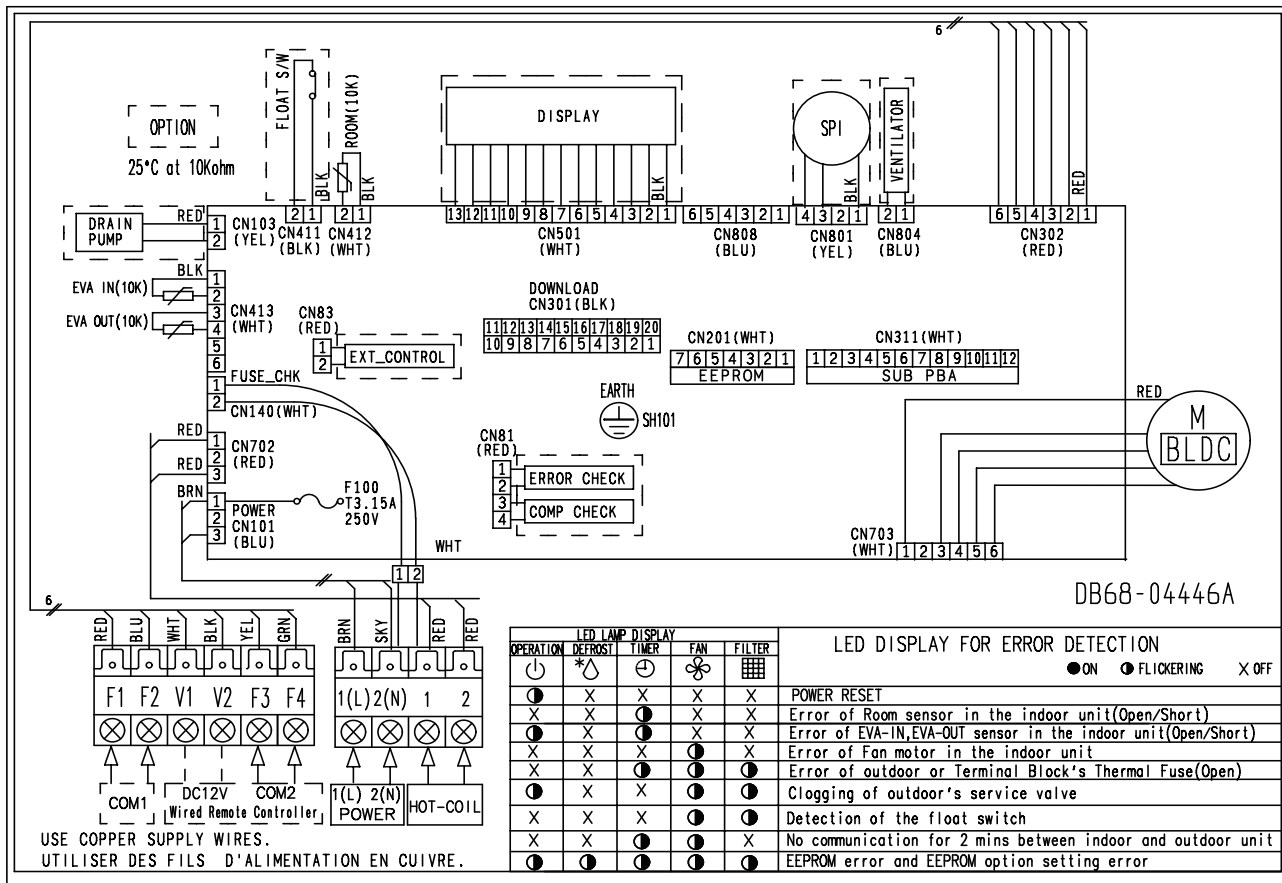
AC035HBMDKH/EU, AC052HBMDKH/EU, AC060HBMDKH/EU, AC071HBMDKH/EU, AC090HBMDKH/EU, AC100HBMDKH/EU, AC120HBMDKH/EU
AC140HBMDKH/EU



5 Electrical wiring diagram

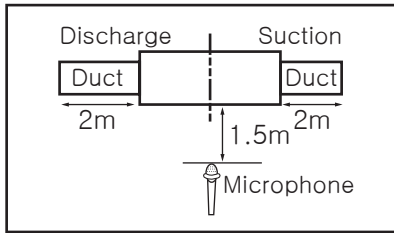
Global Duct

AC052HBLDKH/EU, AC071HBLDKH/EU



6 Sound pressure level

Global Duct



Unit: dB(A)

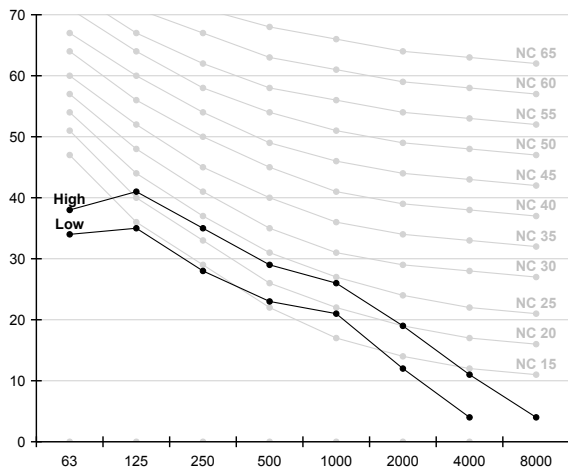
Model	High	Low
AC035HBMDKH/EU (ODU : AC035HCADKH/EU)	32	26
AC052HBLDKH/EU (ODU : AC052HCADKH/EU)	33	27
AC052HBMDKH/EU (ODU : AC052HCADKH/EU)	33	27
AC060HBMDKH/EU (ODU : AC060HCADKH/EU)	37	29

Note

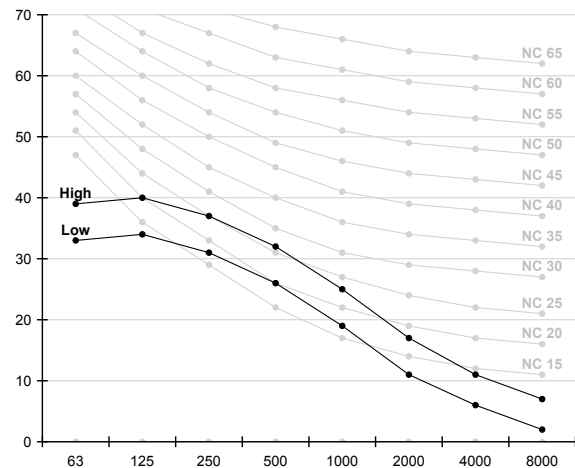
- > Measuring place: Anechoic chamber (conversion value)
- > These operation values were obtained in an anechoic room. Sound pressure level will vary depending on a range of factors such as the construction of the particular room where the equipment is installed.
- > Operation sound level may differ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

NC curve

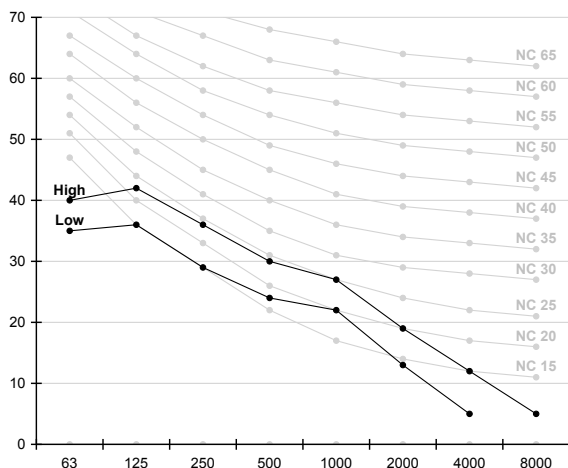
1) AC035HBMDKH/EU (ODU : AC035HCADKH/EU)



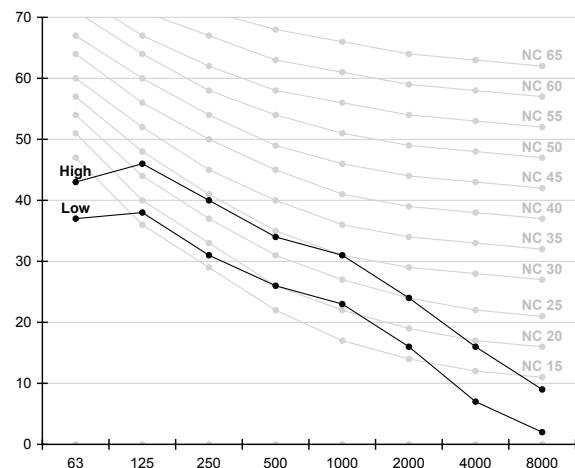
2) AC052HBLDKH/EU (ODU : AC052HCADKH/EU)



3) AC052HBMDKH/EU (ODU : AC052HCADKH/EU)

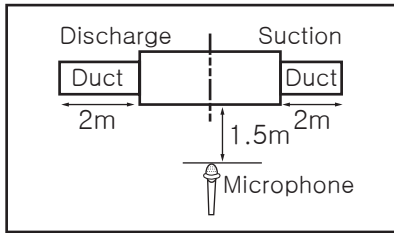


4) AC060HBMDKH/EU (ODU : AC060HCADKH/EU)



6 Sound pressure level

Global Duct



Unit: dB(A)

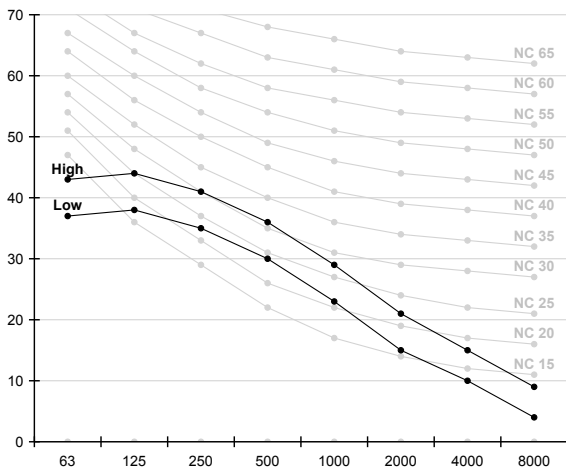
Model	High	Low
AC071HBLDKH/EU (ODU : AC071HCADKH/EU)	37	31
AC071HBMDKH/EU (ODU : AC071HCADKH/EU)	37	29
AC090HBMDKH/EU (ODU : AC090HCADKH/EU)	38	32
AC090HBMDKH/EU (ODU : AC090HCADNH/EU)	38	32

Note

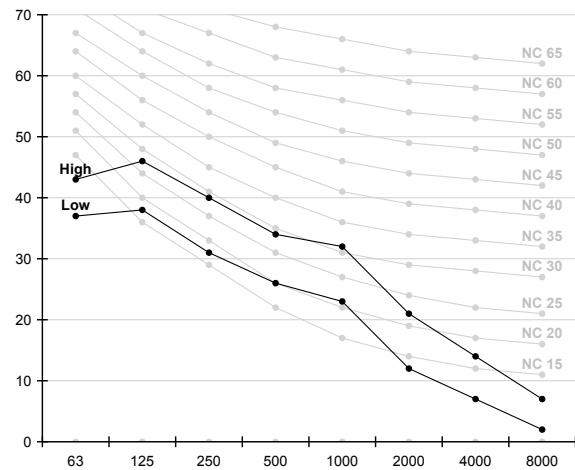
- > Measuring place: Anechoic chamber (conversion value)
- > These operation values were obtained in an anechoic room. Sound pressure level will vary depending on a range of factors such as the construction of the particular room where the equipment is installed.
- > Operation sound level may differ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

NC curve

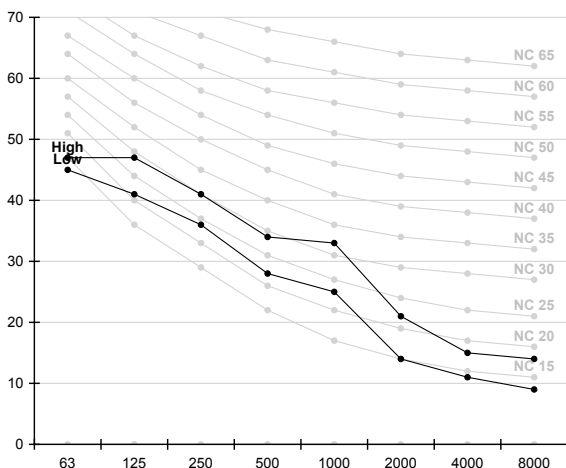
1) AC071HBLDKH/EU (ODU : AC071HCADKH/EU)



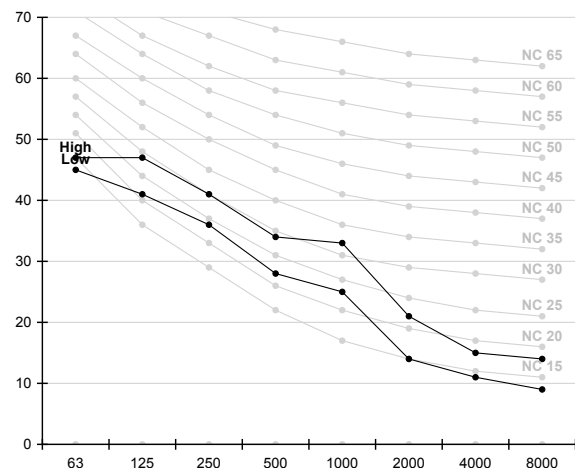
2) AC071HBMDKH/EU (ODU : AC071HCADKH/EU)



3) AC090HBMDKH/EU (ODU : AC090HCADKH/EU)

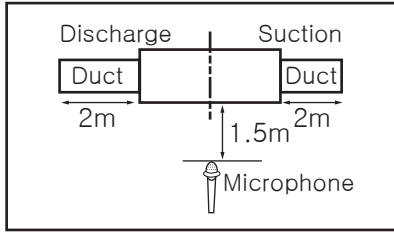


4) AC090HBMDKH/EU (ODU : AC090HCADNH/EU)



6 Sound pressure level

Global Duct



Unit: dB(A)

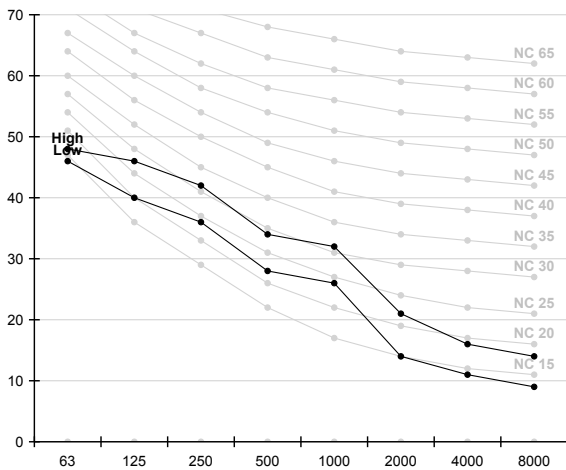
Model	High	Low
AC100HBMDKH/EU (ODU : AC100HCADNH/EU)	38	32
AC100HBMDKH/EU (ODU : AC100HCADKH/EU)	38	32
AC120HBMDKH/EU (ODU : AC120HCADNH/EU)	39	33
AC120HBMDKH/EU (ODU : AC120HCADKH/EU)	39	33

Note

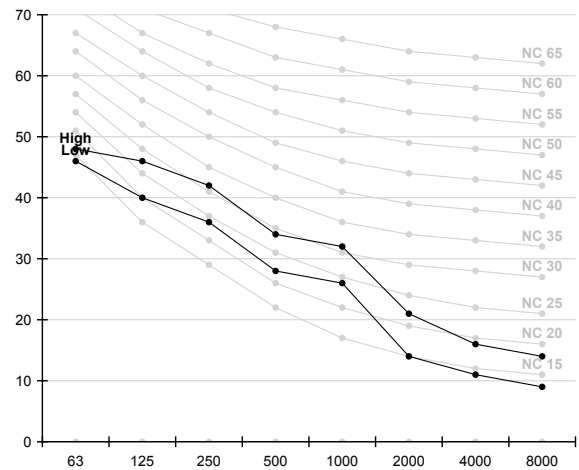
- > Measuring place: Anechoic chamber (conversion value)
- > These operation values were obtained in an anechoic room. Sound pressure level will vary depending on a range of factors such as the construction of the particular room where the equipment is installed.
- > Operation sound level may differ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

NC curve

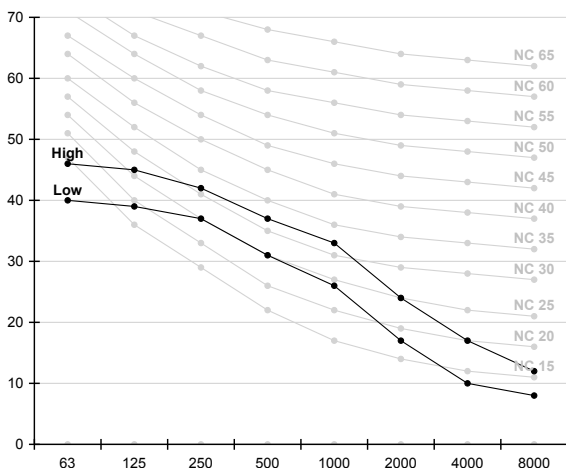
1) AC100HBMDKH/EU (ODU : AC100HCADNH/EU)



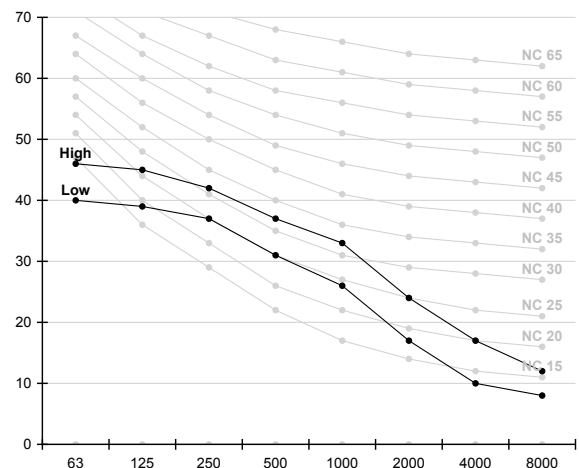
2) AC100HBMDKH/EU (ODU : AC100HCADKH/EU)



3) AC120HBMDKH/EU (ODU : AC120HCADNH/EU)

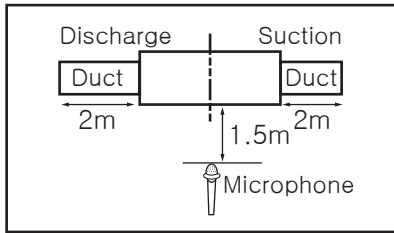


4) AC120HBMDKH/EU (ODU : AC120HCADKH/EU)



6 Sound pressure level

Global Duct



Unit: dB(A)

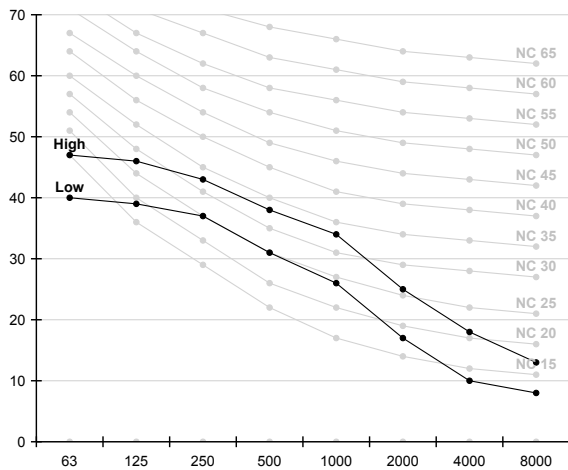
Model	High	Low
AC140HBMDKH/EU (ODU : AC140HCADNH/EU)	40	33
AC140HBMDKH/EU (ODU : AC140HCADKH/EU)	40	33

Note

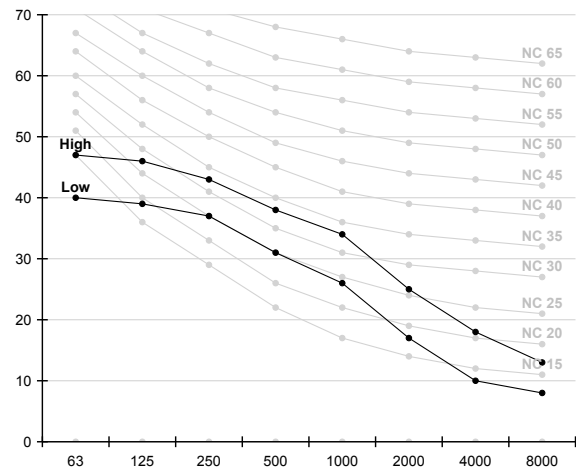
- > Measuring place: Anechoic chamber (conversion value)
- > These operation values were obtained in an anechoic room. Sound pressure level will vary depending on a range of factors such as the construction of the particular room where the equipment is installed.
- > Operation sound level may differ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

NC curve

1) AC140HBMDKH/EU (ODU : AC140HCADNH/EU)



2) AC140HBMDKH/EU (ODU : AC140HCADKH/EU)



7 Sound power level

Global Duct

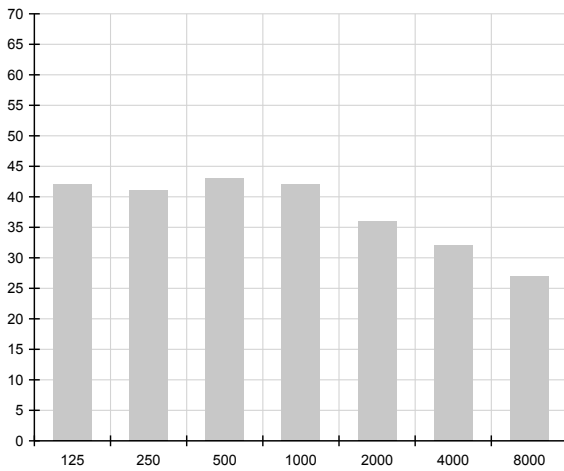
Note

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

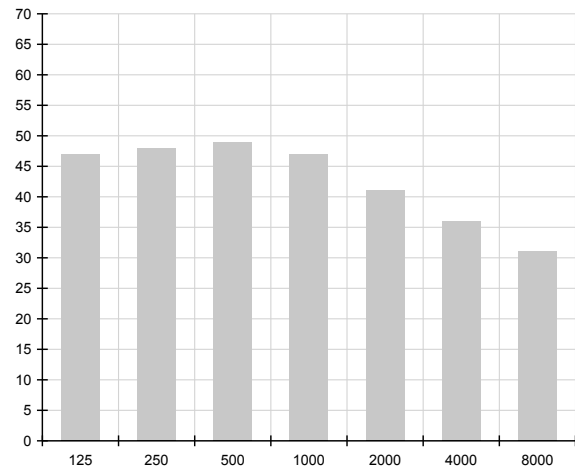
Unit: dB(A)

Model	Power
AC035HBMDKH/EU (ODU : AC035HCADKH/EU)	52.0
AC052HBLDKH/EU (ODU : AC052HCADKH/EU)	55.0
AC052HBMDKH/EU (ODU : AC052HCADKH/EU)	53.0
AC060HBMDKH/EU (ODU : AC060HCADKH/EU)	57.0

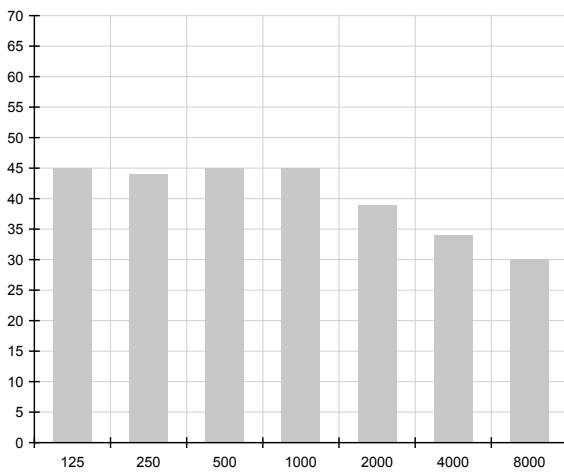
1) AC035HBMDKH/EU (ODU : AC035HCADKH/EU)



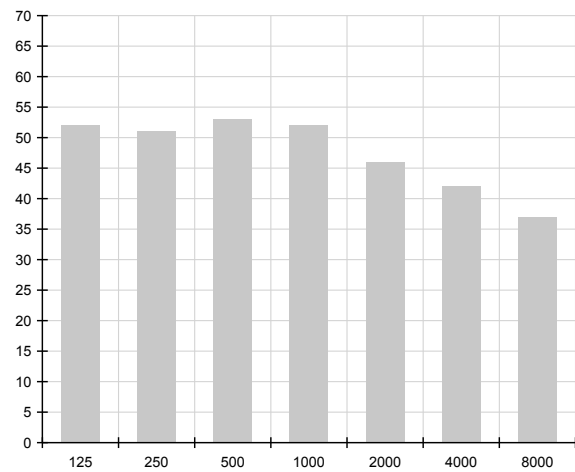
2) AC052HBLDKH/EU (ODU : AC052HCADKH/EU)



3) AC052HBMDKH/EU (ODU : AC052HCADKH/EU)



4) AC060HBMDKH/EU (ODU : AC060HCADKH/EU)



7 Sound power level

Global Duct

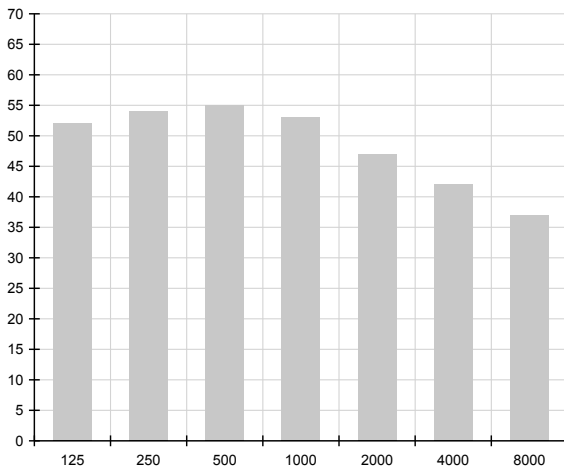
Note

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

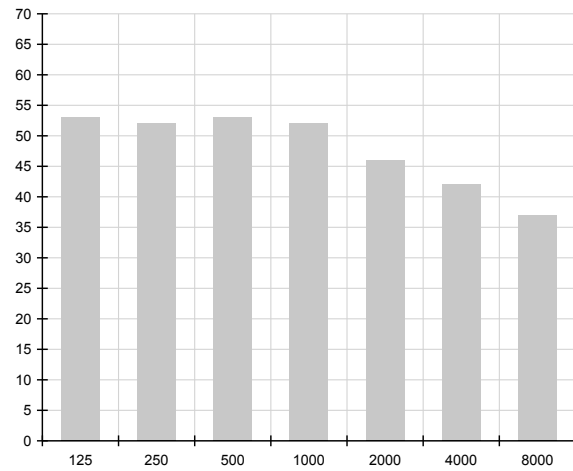
Unit: dB(A)

Model	Power
AC071HBLDKH/EU (ODU : AC071HCADKH/EU)	59.0
AC071HBMDKH/EU (ODU : AC071HCADKH/EU)	57.0
AC090HBMDKH/EU (ODU : AC090HCADKH/EU)	61.0
AC090HBMDKH/EU (ODU : AC090HCADNH/EU)	61.0

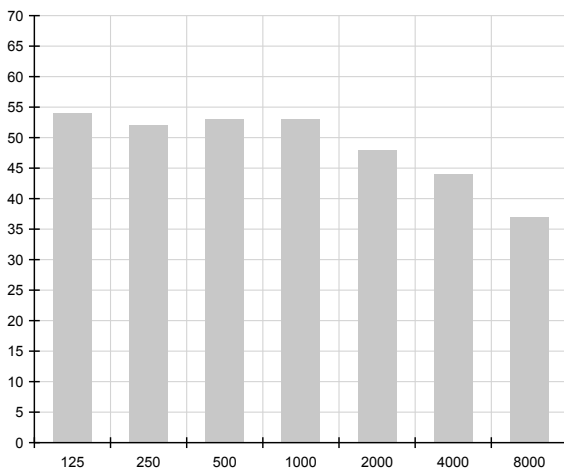
1) AC071HBLDKH/EU (ODU : AC071HCADKH/EU)



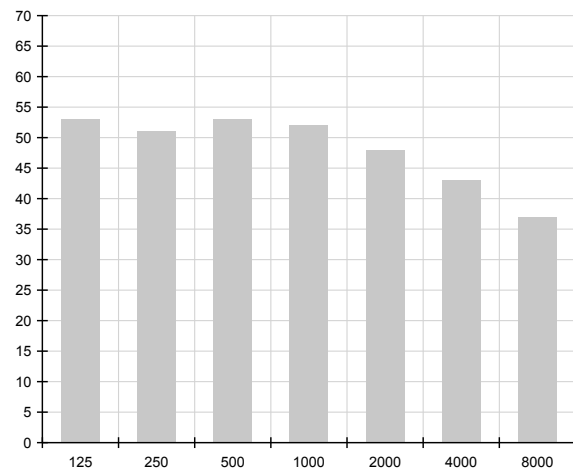
2) AC071HBMDKH/EU (ODU : AC071HCADKH/EU)



3) AC090HBMDKH/EU (ODU : AC090HCADKH/EU)



4) AC090HBMDKH/EU (ODU : AC090HCADNH/EU)



7 Sound power level

Global Duct

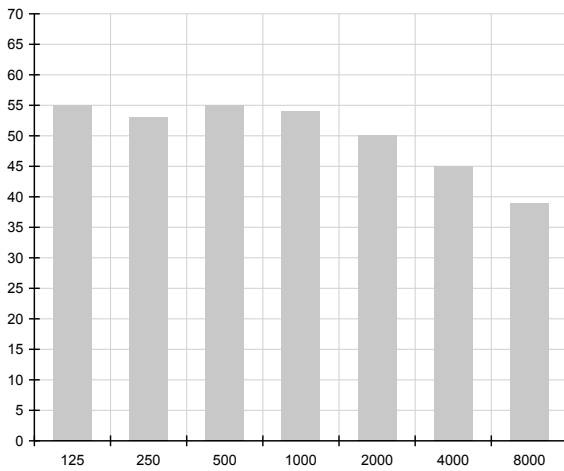
Note

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

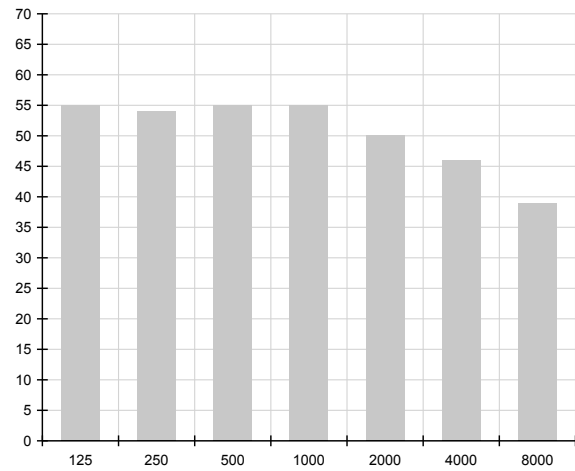
Unit: dB(A)

Model	Power
AC100HBMDKH/EU (ODU : AC100HCADNH/EU)	61.0
AC100HBMDKH/EU (ODU : AC100HCADKH/EU)	61.0
AC120HBMDKH/EU (ODU : AC120HCADNH/EU)	65.0
AC120HBMDKH/EU (ODU : AC120HCADKH/EU)	65.0

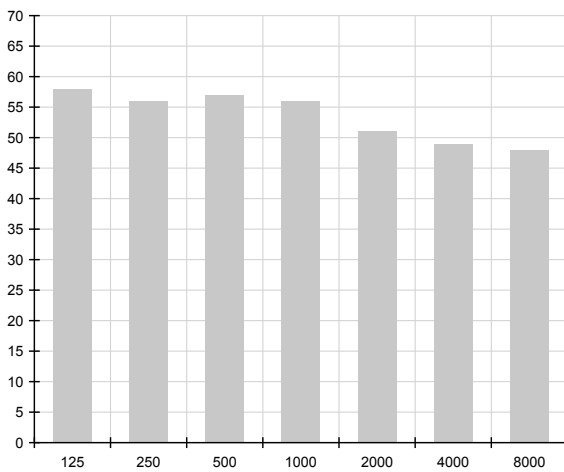
1) AC100HBMDKH/EU (ODU : AC100HCADNH/EU)



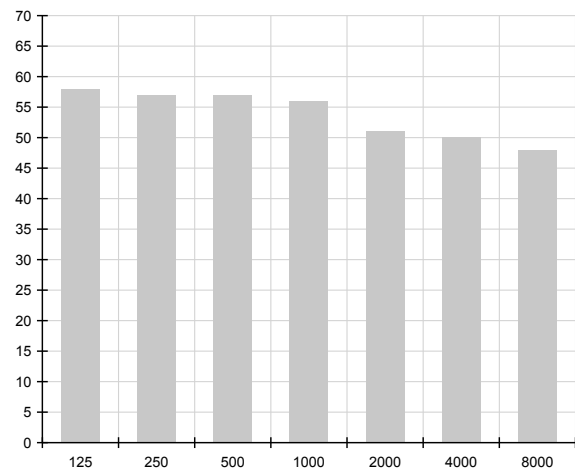
2) AC100HBMDKH/EU (ODU : AC100HCADKH/EU)



3) AC120HBMDKH/EU (ODU : AC120HCADNH/EU)



4) AC120HBMDKH/EU (ODU : AC120HCADKH/EU)



7 Sound power level

Global Duct

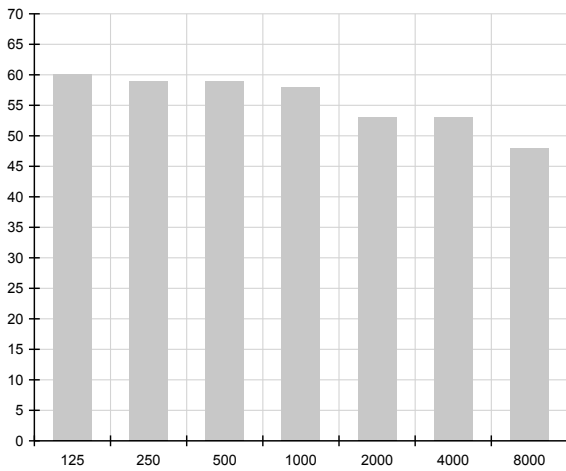
Note

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

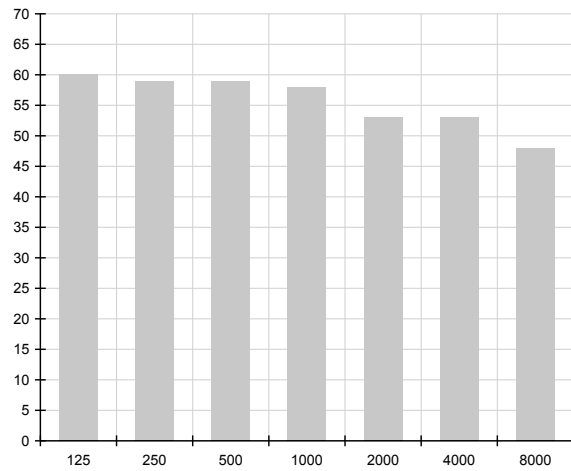
Unit: dB(A)

Model	Power
AC140HBMDKH/EU (ODU : AC140HCADNH/EU)	66.0
AC140HBMDKH/EU (ODU : AC140HCADKH/EU)	66.0

1) AC140HBMDKH/EU (ODU : AC140HCADNH/EU)



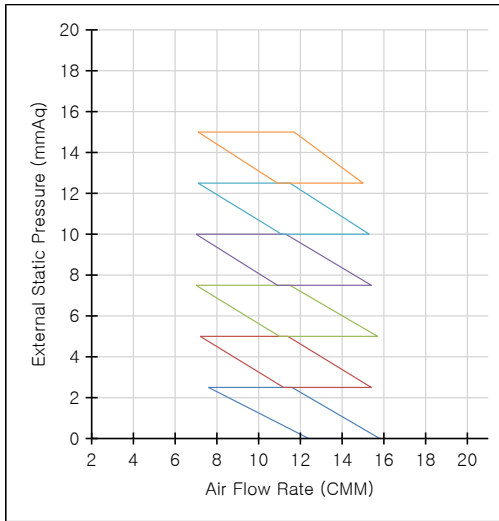
2) AC140HBMDKH/EU (ODU : AC140HCADKH/EU)



8 Recommended operation range

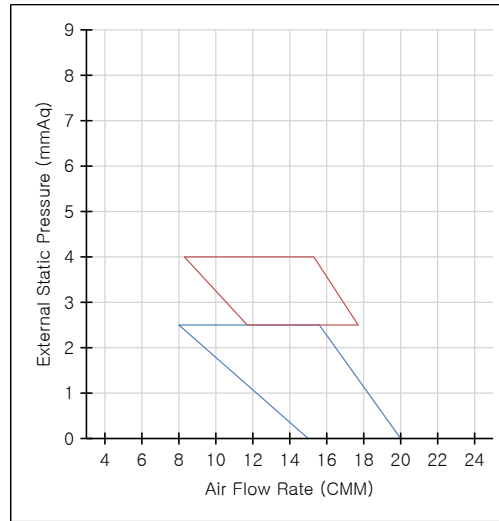
Global Duct

1) AC035HBMDKH/EU (ODU : AC035HCADKH/EU)



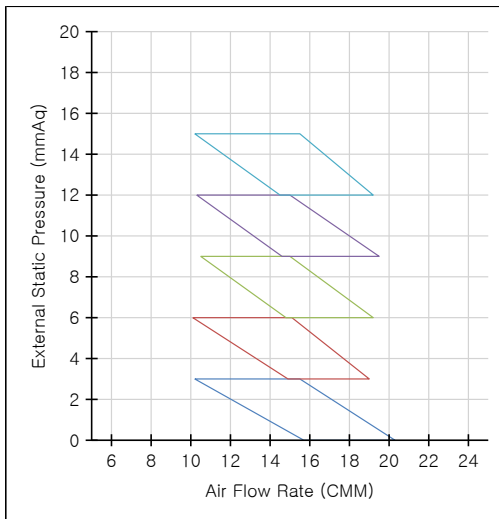
External Static Pressure (mmAq)	Option Code
0-2.5	01B06C-1C5084-272328-374000
2.5-5	01B06C-1C50EB-272328-374000
5-7.5	01B06C-1C5552-272328-374000
7.5-10	01B06C-1C55CA-272328-374000
10-12.5	01B06C-1C5A30-272328-374000

2) AC052HBLDKH/EU (ODU : AC052HCADKH/EU)



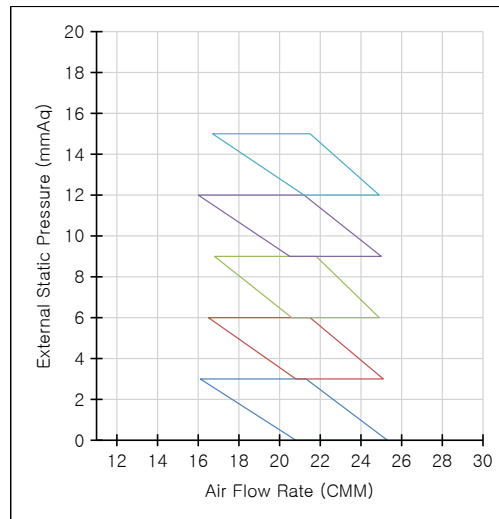
External Static Pressure (mmAq)	Option Code
0-3	01C06C-1C5925-27323C-370000
3-4	01C06C-1C596B-27323C-370000

3) AC052HBMDKH/EU (ODU : AC052HCADKH/EU)



External Static Pressure (mmAq)	Option Code
0-3	01B06C-1C50E6-27323C-373000
3-6	01B06C-1C544D-27323C-373000
6-9	01B06C-1C55A4-27323C-373000
9-12	01B06C-1C591A-27323C-373000
12-15	01B06C-1C5A70-27323C-373000

4) AC060HBMDKH/EU (ODU : AC060HCADKH/EU)



External Static Pressure (mmAq)	Option Code
0-3	01B06C-1C547F-273C46-372005
3-6	01B06C-1C55D5-273C46-372005
6-9	01B06C-1C592B-273C46-372005
9-12	01B06C-1C5A71-273C46-372005
12-15	01B06C-1C5AC8-273C46-372005

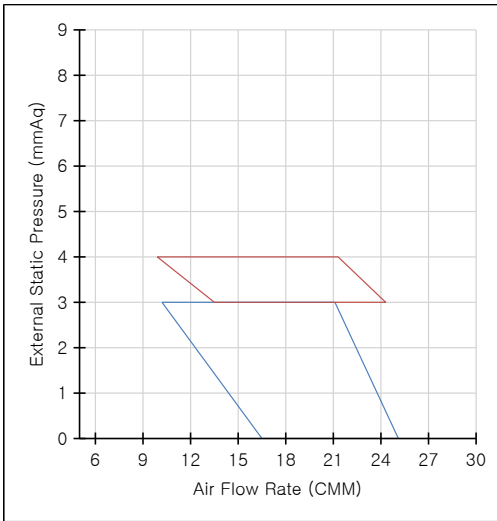
Note

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

8 Recommended operation range

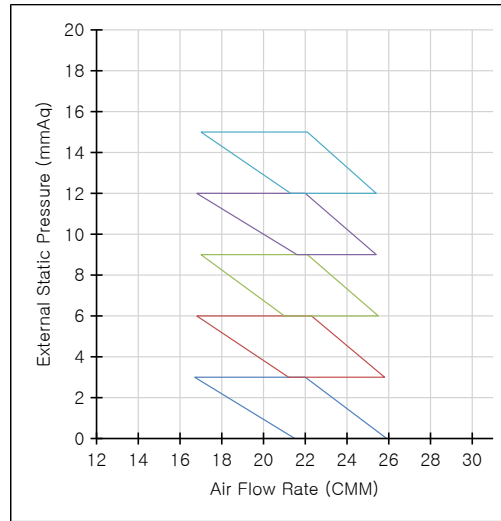
Global Duct

5) AC071HBLDKH/EU (ODU : AC071HCADKH/EU)



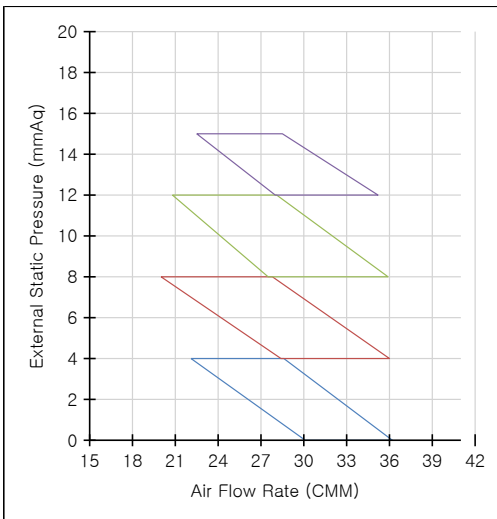
External Static Pressure (mmAq)	Option Code
0-3	01C06C-1C59E8-274750-370005
3-4	01C06C-1C5D2D-274750-370005

6) AC071HBMDKH/EU (ODU : AC071HCADKH/EU)



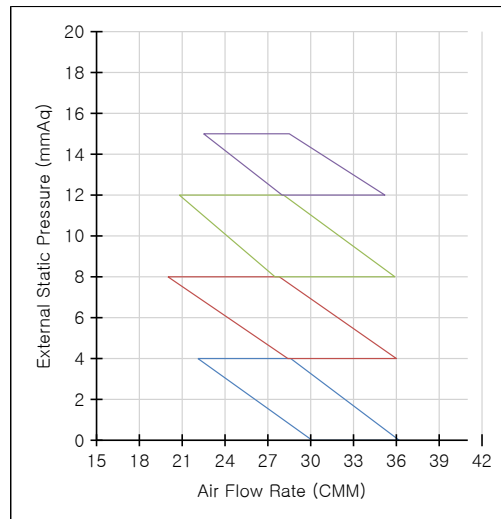
External Static Pressure (mmAq)	Option Code
0-3	01B06C-1C5580-274750-371005
3-6	01B06C-1C55E6-274750-371005
6-9	01B06C-1C593C-274750-371005
9-12	01B06C-1C5A82-274750-371005
12-15	01B06C-1C5AD9-274750-371005

7) AC090HBMDKH/EU (ODU : AC090HCADKH/EU)



External Static Pressure (mmAq)	Option Code
0-4	01B06C-1C546F-275A64-372020
4-8	01B06C-1C55E8-275A64-372020
8-12	01B06C-1C5A61-275A64-372020
12-15	01B06C-1C5AC8-275A64-372020

8) AC090HBMDKH/EU (ODU : AC090HCADNH/EU)



External Static Pressure (mmAq)	Option Code
0-4	01B06C-1C546F-275A64-372020
4-8	01B06C-1C55E8-275A64-372020
8-12	01B06C-1C5A61-275A64-372020
12-15	01B06C-1C5AC8-275A64-372020

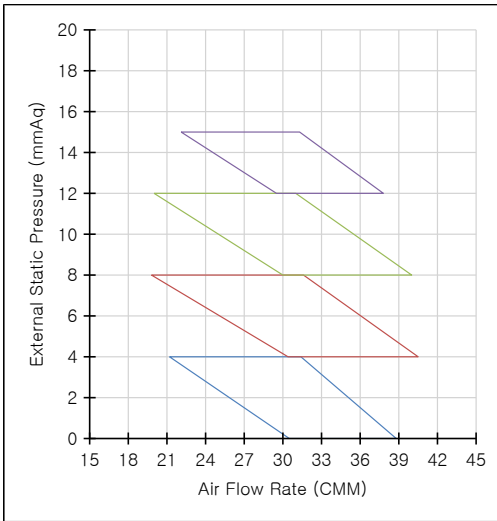
Note

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

8 Recommended operation range

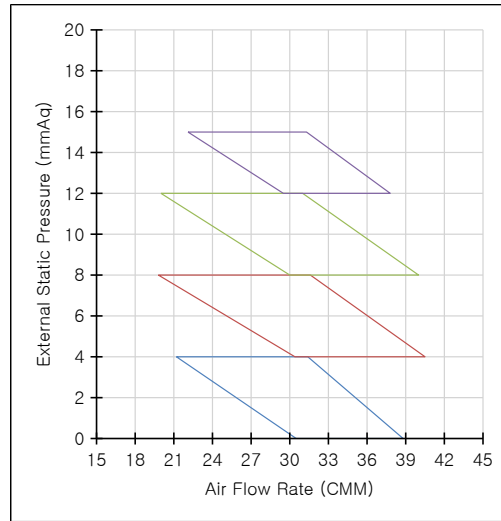
Global Duct

9) AC100HBMDKH/EU (ODU : AC100HCADNH/EU)



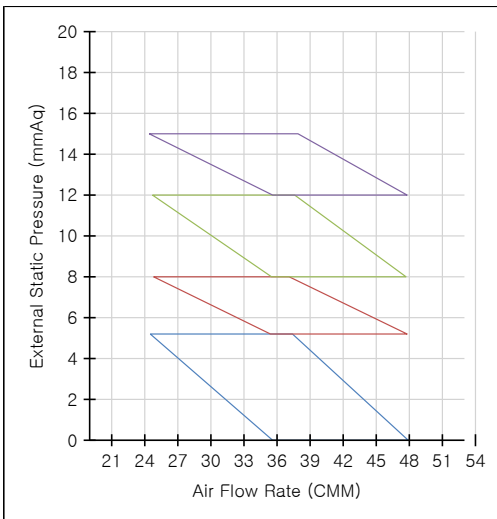
External Static Pressure (mmAq)	Option Code
0-4	01B06C-1C549F-276470-371020
4-8	01B06C-1C5928-276470-371020
8-12	01B06C-1C5AB1-276470-371020
12-15	01B06C-1C5AE8-276470-371020

10) AC100HBMDKH/EU (ODU : AC100HCADKH/EU)



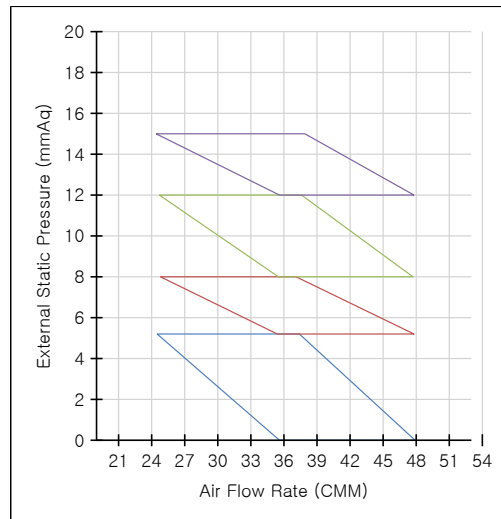
External Static Pressure (mmAq)	Option Code
0-4	01B06C-1C549F-276470-371020
4-8	01B06C-1C5928-276470-371020
8-12	01B06C-1C5AB1-276470-371020
12-15	01B06C-1C5AE8-276470-371020

11) AC120HBMDKH/EU (ODU : AC120HCADNH/EU)



External Static Pressure (mmAq)	Option Code
0~5.2	01B06C-1C542C-277882-372045
5.2~8	01B06C-1C5572-277882-372045
8~12	01B06C-1C55EA-277882-372045
12~15	01B06C-1C592E-277882-372045

12) AC120HBMDKH/EU (ODU : AC120HCADKH/EU)



External Static Pressure (mmAq)	Option Code
0~5.2	01B06C-1C542C-277882-372045
5.2~8	01B06C-1C5572-277882-372045
8~12	01B06C-1C55EA-277882-372045
12~15	01B06C-1C592E-277882-372045

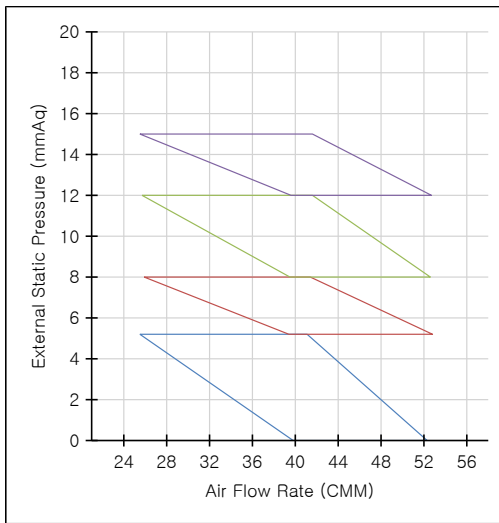
Note

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

8 Recommended operation range

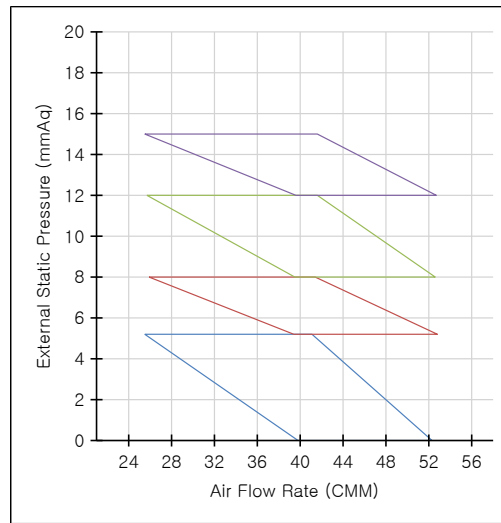
Global Duct

13) AC140HBMDKH/EU (ODU : AC140HCADNH/EU)



External Static Pressure (mmAq)	Option Code
0~5.2	01B06C-1C544F-278CA0-371045
5.2~8	01B06C-1C5592-278CA0-371045
8~12	01B06C-1C55FA-278CA0-371045
12~15	01B06C-1C593E-278CA0-371045

14) AC140HBMDKH/EU (ODU : AC140HCADKH/EU)



External Static Pressure (mmAq)	Option Code
0~5.2	01B06C-1C544F-278CA0-371045
5.2~8	01B06C-1C5592-278CA0-371045
8~12	01B06C-1C55FA-278CA0-371045
12~15	01B06C-1C593E-278CA0-371045

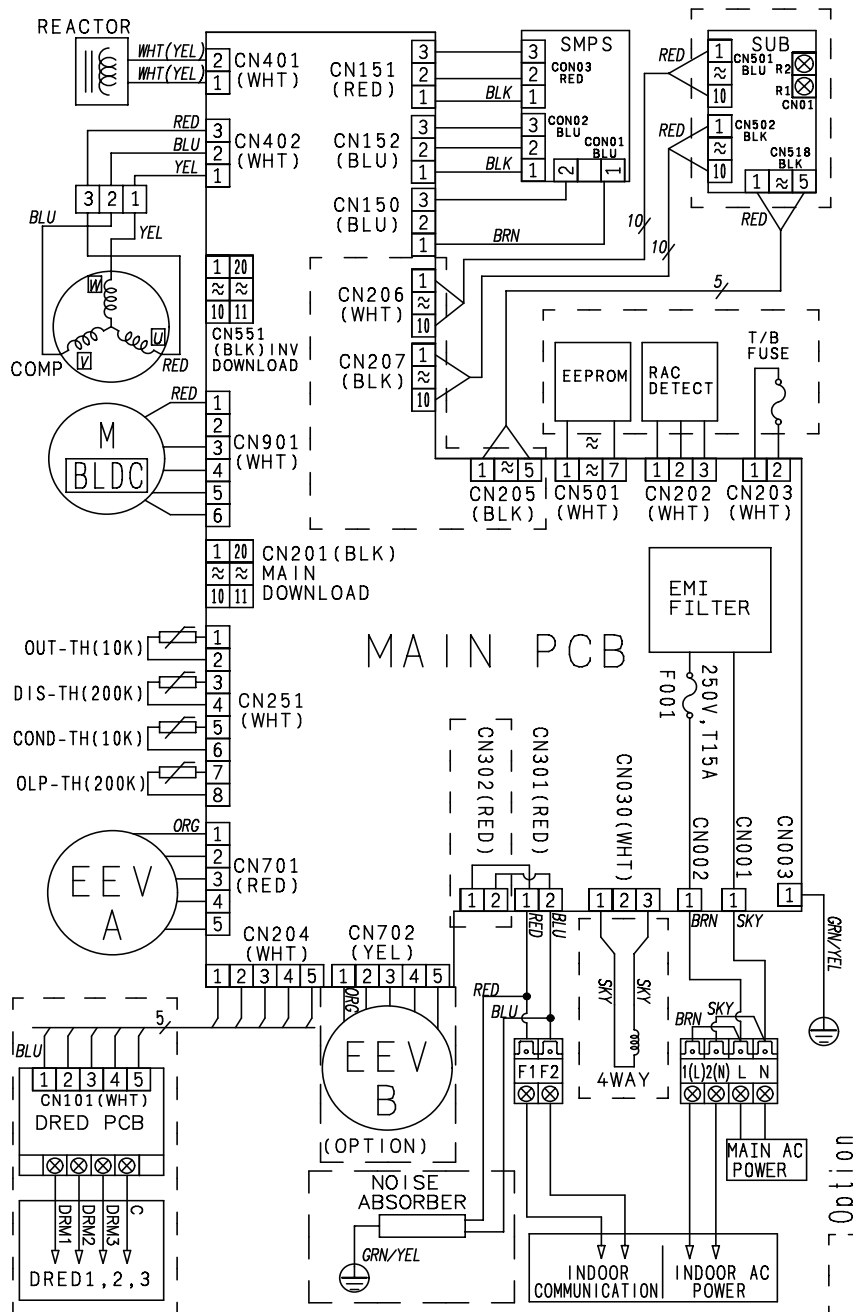
Note

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

9 Electrical wiring diagram

Outdoor

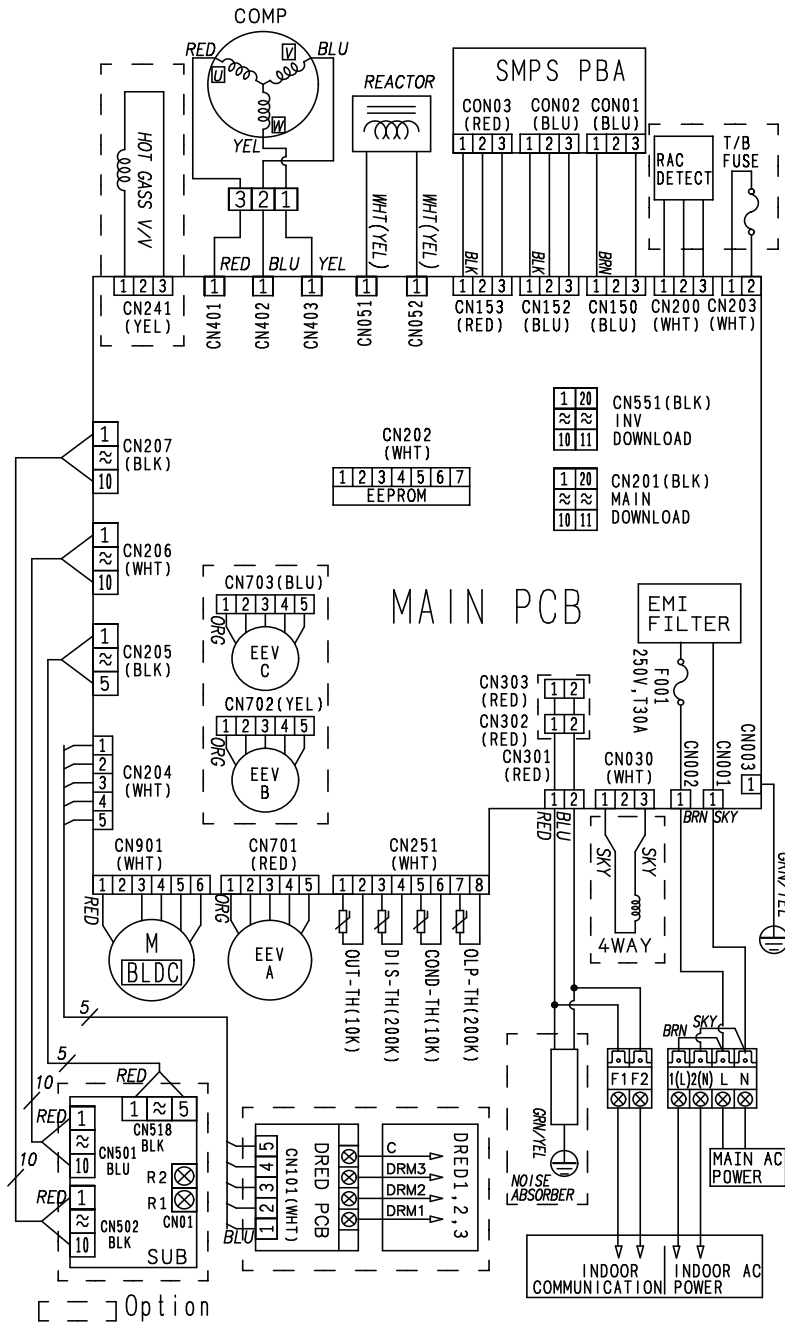
AC035HCADKH/EU



9 Electrical wiring diagram

Outdoor

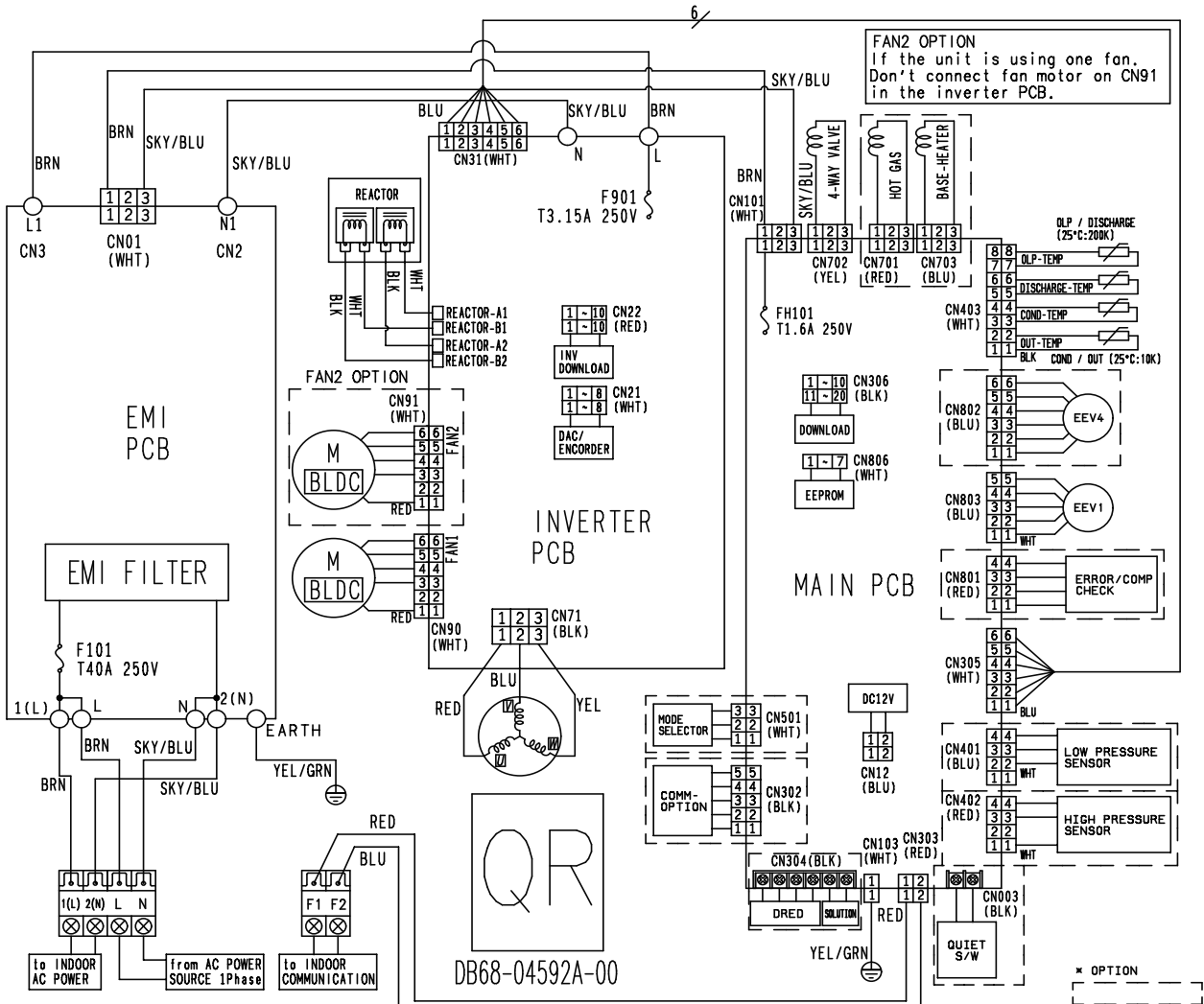
AC052HCADKH/EU, AC060HCADKH/EU, AC071HCADKH/EU



9 Electrical wiring diagram

Outdoor

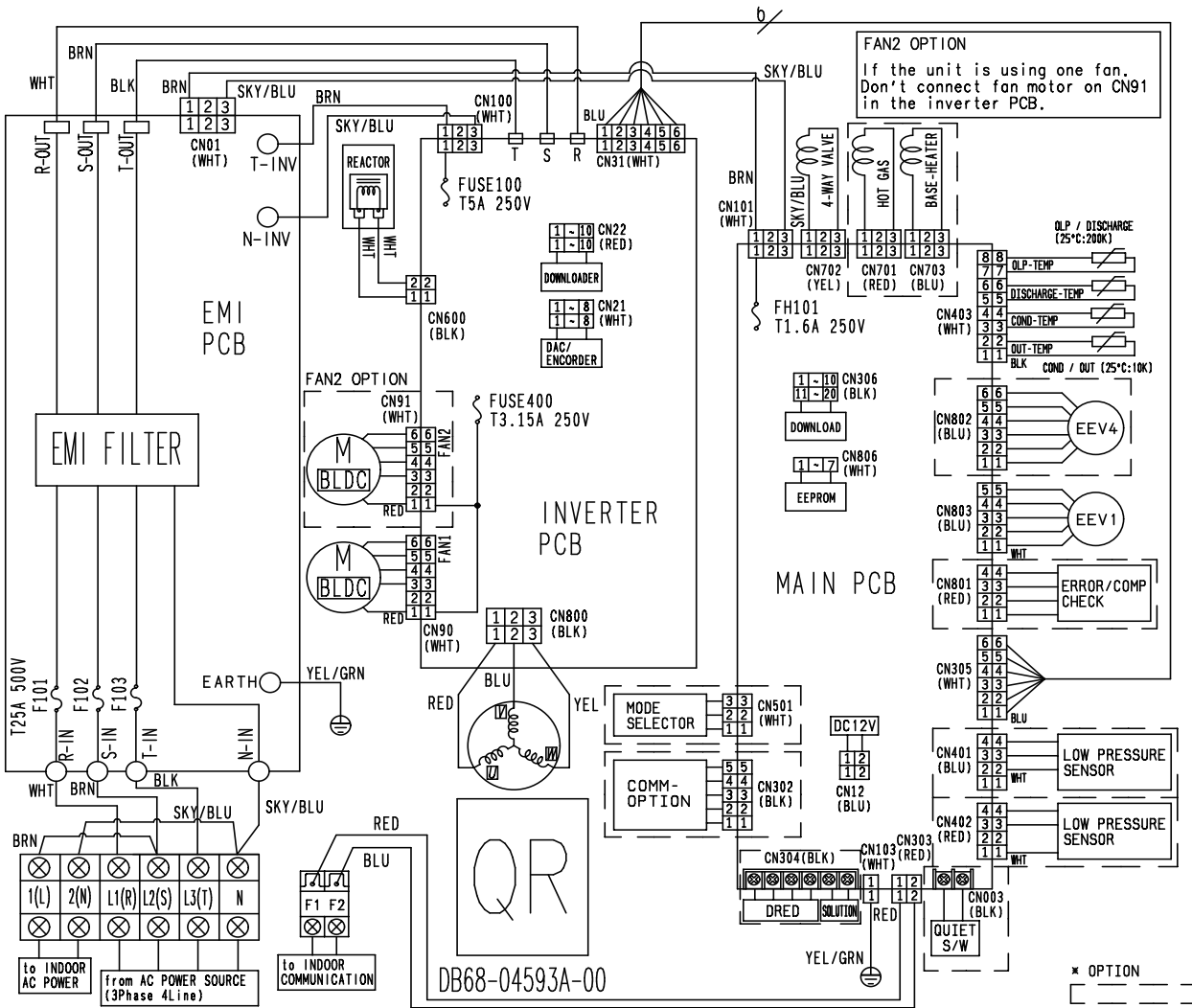
AC090HCADKH/EU, AC100HCADKH/EU, AC120HCADKH/EU, AC140HCADKH/EU



9 Electrical wiring diagram

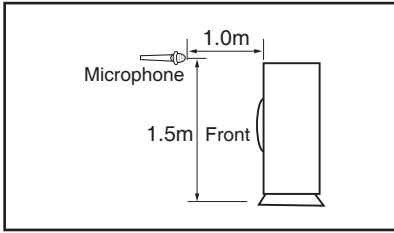
Outdoor

AC090HCADNH/EU, AC100HCADNH/EU, AC120HCADNH/EU, AC140HCADNH/EU



10 Sound pressure level

Outdoor



Unit: dB(A)

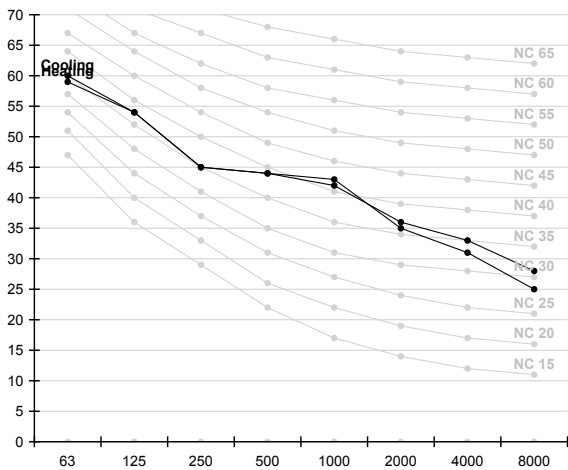
Model	Cooling	Heating
AC035HCADKH/EU (IDU : AC035HBMDKH/EU)	47.0	47.0
AC052HCADKH/EU (IDU : AC052HBLDKH/EU)	48.0	48.0
AC052HCADKH/EU (IDU : AC052HBMDKH/EU)	48.0	48.0
AC060HCADKH/EU (IDU : AC060HBMDKH/EU)	49.0	50.0

Note

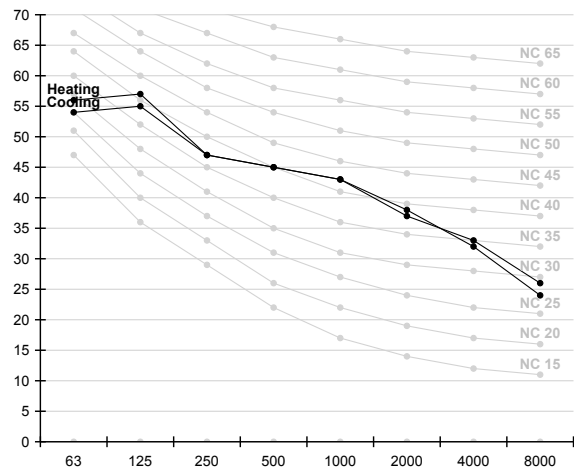
- > Measuring place: Anechoic chamber (conversion value)
- > These operation values were obtained in an anechoic room. Sound pressure level will vary depending on a range of factors such as the construction of the particular room where the equipment is installed.
- > Operation sound level may differ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

NC curve

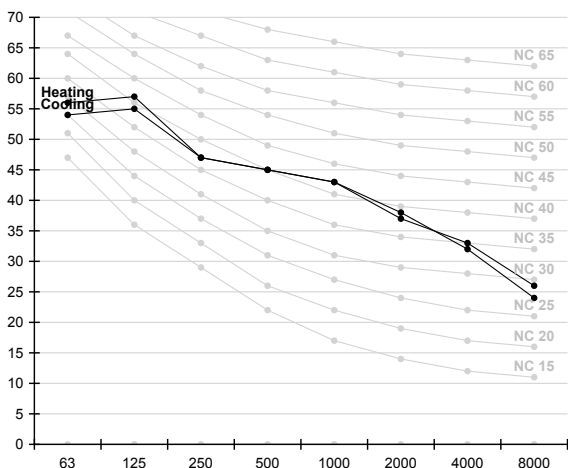
1) AC035HCADKH/EU (IDU : AC035HBMDKH/EU)



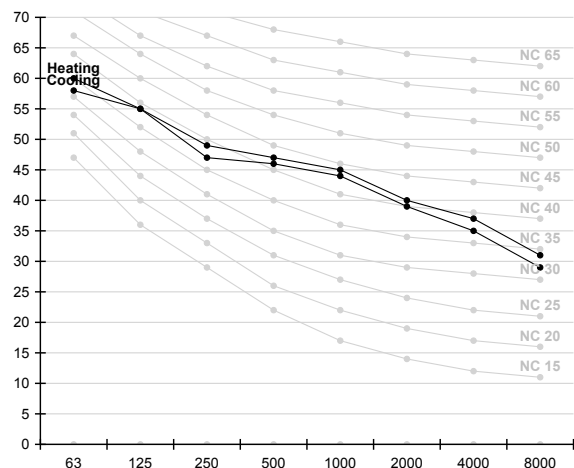
2) AC052HCADKH/EU (IDU : AC052HBLDKH/EU)



3) AC052HCADKH/EU (IDU : AC052HBMDKH/EU)

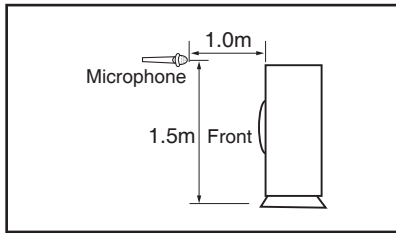


4) AC060HCADKH/EU (IDU : AC060HBMDKH/EU)



10 Sound pressure level

Outdoor



Unit: dB(A)

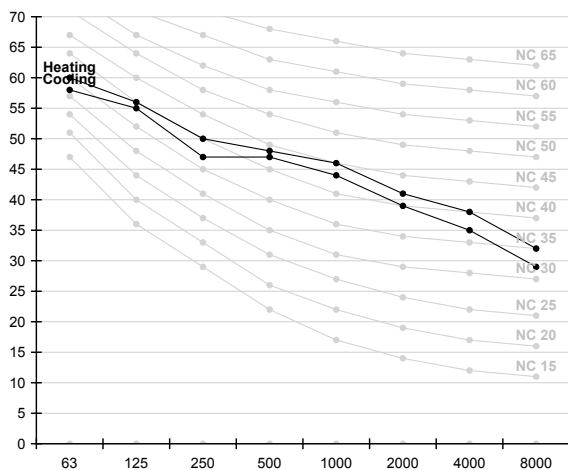
Model	Cooling	Heating
AC071HCADKH/EU (IDU : AC071HBLDKH/EU)	49.0	51.0
AC071HCADKH/EU (IDU : AC071HBMDKH/EU)	49.0	51.0
AC090HCADKH/EU (IDU : AC090HBMDKH/EU)	52.0	54.0
AC090HCADNH/EU (IDU : AC090HBMDKH/EU)	52.0	54.0

Note

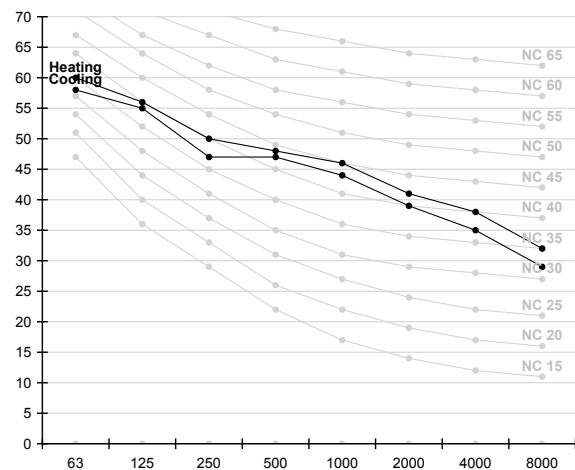
- > Measuring place: Anechoic chamber (conversion value)
- > These operation values were obtained in an anechoic room. Sound pressure level will vary depending on a range of factors such as the construction of the particular room where the equipment is installed.
- > Operation sound level may differ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

NC curve

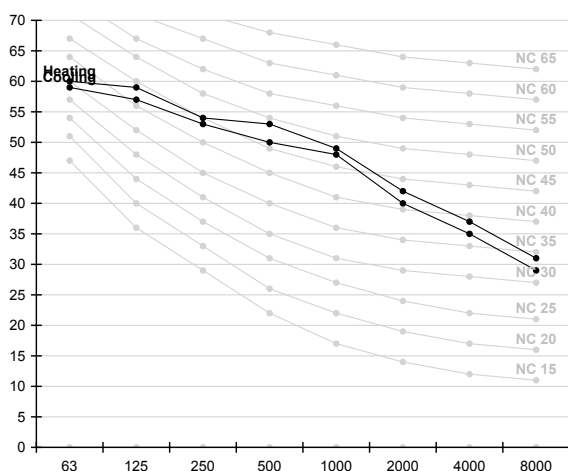
1) AC071HCADKH/EU (IDU : AC071HBLDKH/EU)



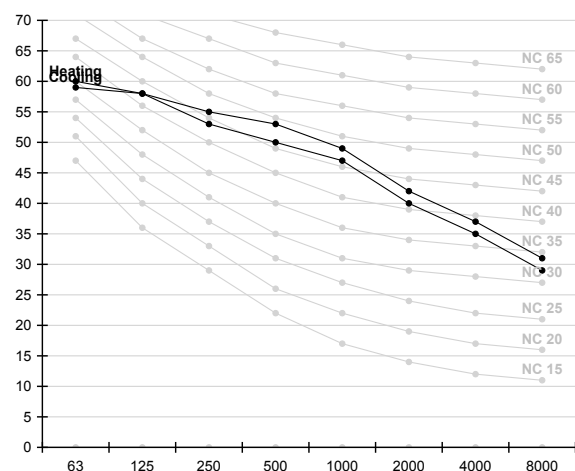
2) AC071HCADKH/EU (IDU : AC071HBMDKH/EU)



3) AC090HCADKH/EU (IDU : AC090HBMDKH/EU)

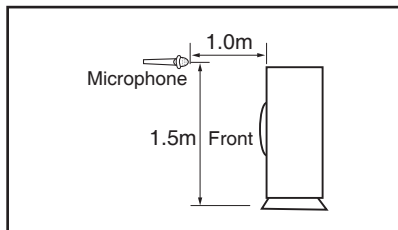


4) AC090HCADNH/EU (IDU : AC090HBMDKH/EU)



10 Sound pressure level

Outdoor



Unit: dB(A)

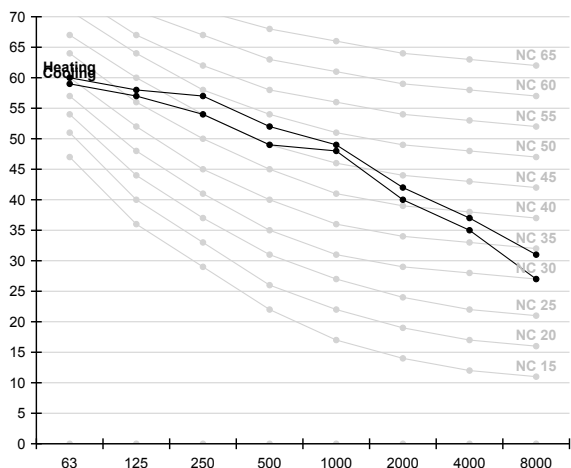
Model	Cooling	Heating
AC100HCADNH/EU (IDU : AC100HBMDKH/EU)	52.0	54.0
AC100HCADKH/EU (IDU : AC100HBMDKH/EU)	52.0	54.0
AC120HCADNH/EU (IDU : AC120HBMDKH/EU)	54.0	56.0
AC120HCADKH/EU (IDU : AC120HBMDKH/EU)	54.0	58.0

Note

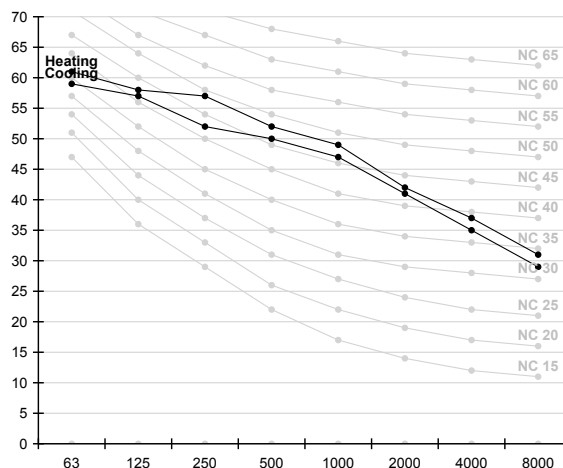
- > Measuring place: Anechoic chamber (conversion value)
- > These operation values were obtained in an anechoic room. Sound pressure level will vary depending on a range of factors such as the construction of the particular room where the equipment is installed.
- > Operation sound level may differ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

NC curve

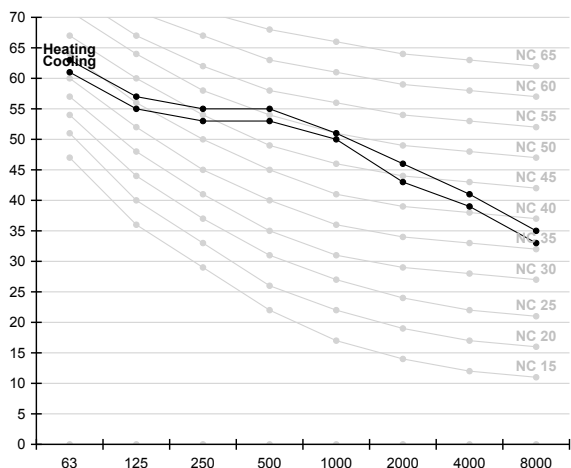
1) AC100HCADNH/EU (IDU : AC100HBMDKH/EU)



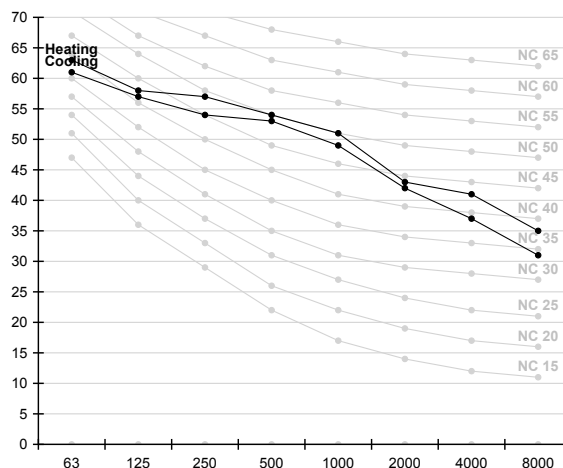
2) AC100HCADKH/EU (IDU : AC100HBMDKH/EU)



3) AC120HCADNH/EU (IDU : AC120HBMDKH/EU)

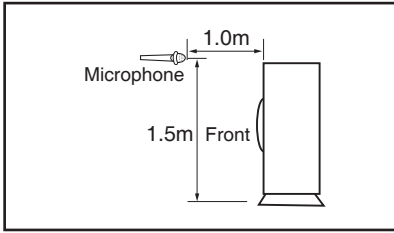


4) AC120HCADKH/EU (IDU : AC120HBMDKH/EU)



10 Sound pressure level

Outdoor



Unit: dB(A)

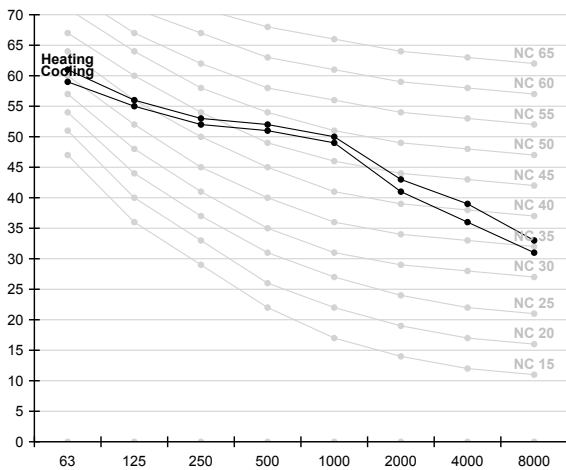
Model	Cooling	Heating
AC140HCADNH/EU (IDU : AC140HBMDKH/EU)	53.0	54.0
AC140HCADKH/EU (IDU : AC140HBMDKH/EU)	53.0	54.0

Note

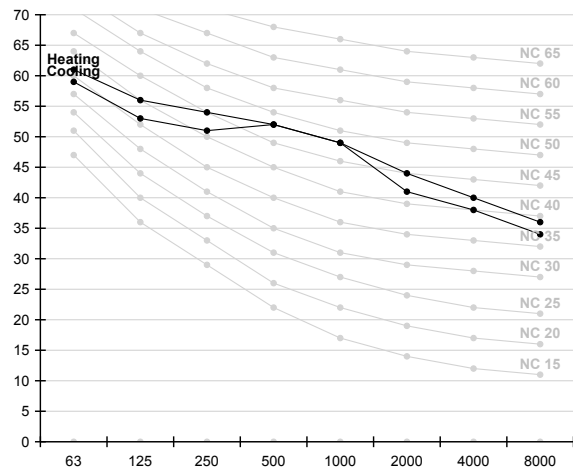
- > Measuring place: Anechoic chamber (conversion value)
- > These operation values were obtained in an anechoic room. Sound pressure level will vary depending on a range of factors such as the construction of the particular room where the equipment is installed.
- > Operation sound level may differ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

NC curve

1) AC140HCADNH/EU (IDU : AC140HBMDKH/EU)



2) AC140HCADKH/EU (IDU : AC140HBMDKH/EU)



11 Sound power level

Outdoor

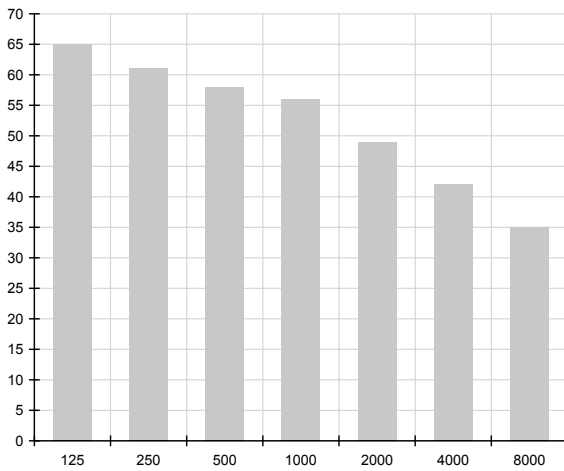
Note

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

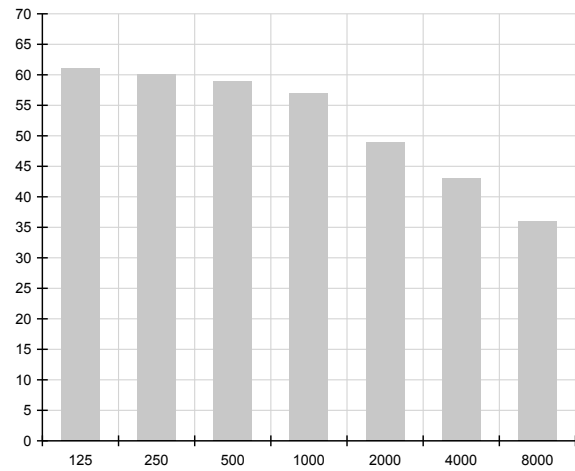
Unit: dB(A)

Model	Power
AC035HCADKH/EU (IDU : AC035HBMDKH/EU)	63.0
AC052HCADKH/EU (IDU : AC052HBLDKH/EU)	63.0
AC052HCADKH/EU (IDU : AC052HBMDKH/EU)	63.0
AC060HCADKH/EU (IDU : AC060HBMDKH/EU)	64.0

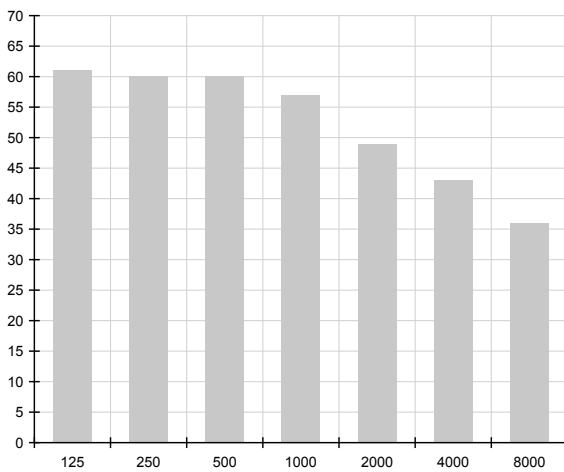
1) AC035HCADKH/EU (IDU : AC035HBMDKH/EU)



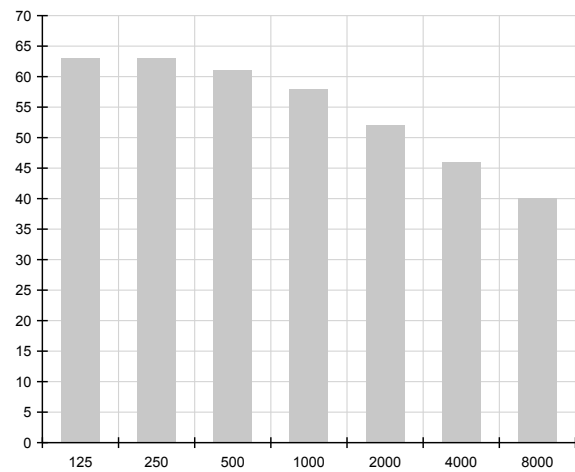
2) AC052HCADKH/EU (IDU : AC052HBLDKH/EU)



3) AC052HCADKH/EU (IDU : AC052HBMDKH/EU)



4) AC060HCADKH/EU (IDU : AC060HBMDKH/EU)



11 Sound power level

Outdoor

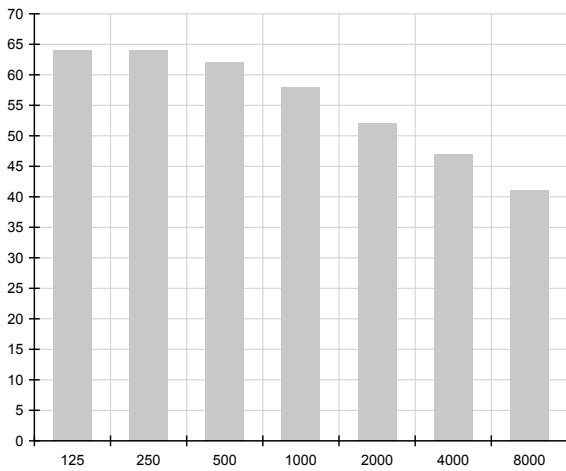
Note

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

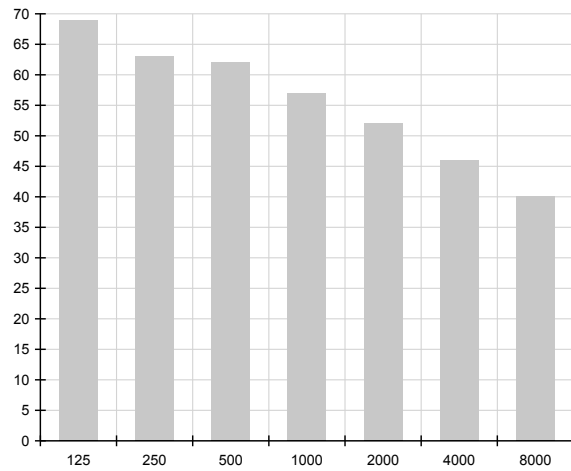
Unit: dB(A)

Model	Power
AC071HCADKH/EU (IDU : AC071HBLDKH/EU)	65.0
AC071HCADKH/EU (IDU : AC071HBMDKH/EU)	65.0
AC090HCADKH/EU (IDU : AC090HBMDKH/EU)	68.0
AC090HCADNH/EU (IDU : AC090HBMDKH/EU)	68.0

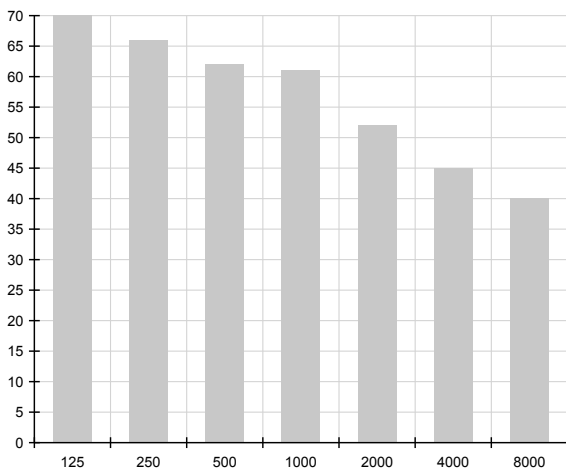
1) AC071HCADKH/EU (IDU : AC071HBLDKH/EU)



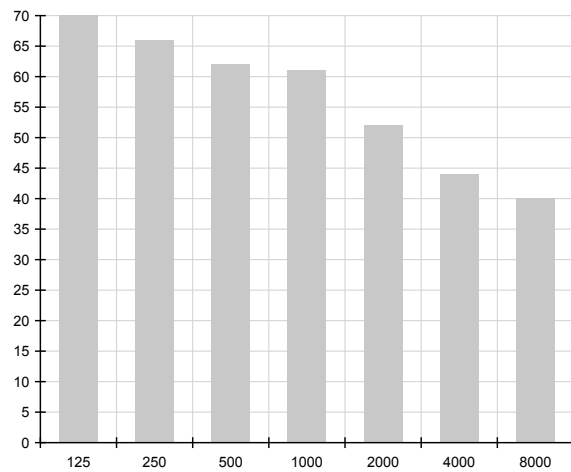
2) AC071HCADKH/EU (IDU : AC071HBMDKH/EU)



3) AC090HCADKH/EU (IDU : AC090HBMDKH/EU)



4) AC090HCADNH/EU (IDU : AC090HBMDKH/EU)



11 Sound power level

Outdoor

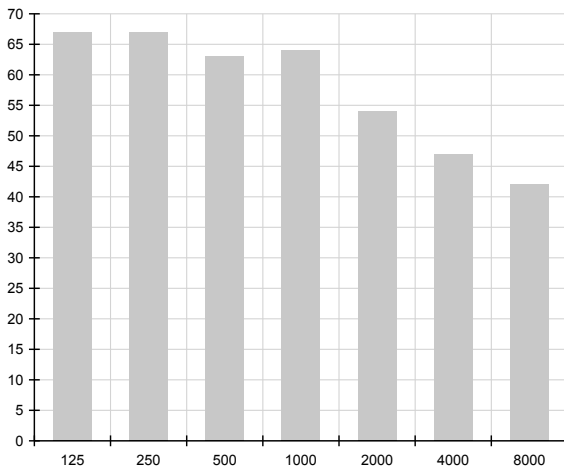
Note

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

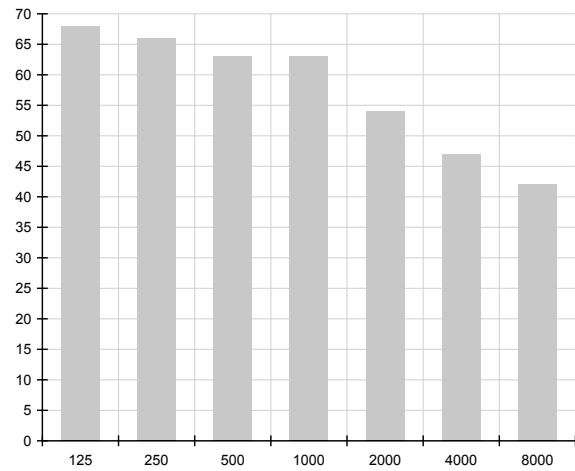
Unit: dB(A)

Model	Power
AC100HCADNH/EU (IDU : AC100HBMDKH/EU)	69.0
AC100HCADKH/EU (IDU : AC100HBMDKH/EU)	69.0
AC120HCADNH/EU (IDU : AC120HBMDKH/EU)	70.0
AC120HCADKH/EU (IDU : AC120HBMDKH/EU)	70.0

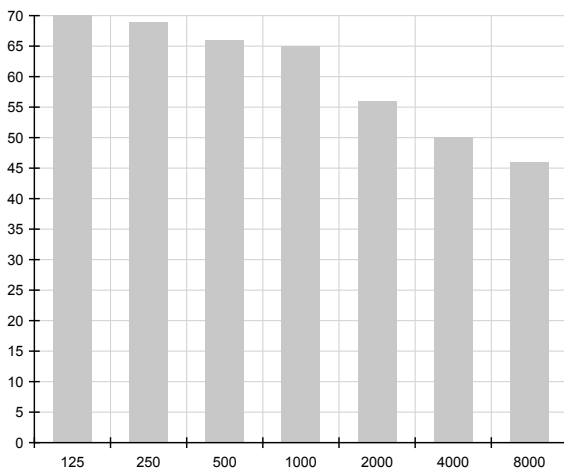
1) AC100HCADNH/EU (IDU : AC100HBMDKH/EU)



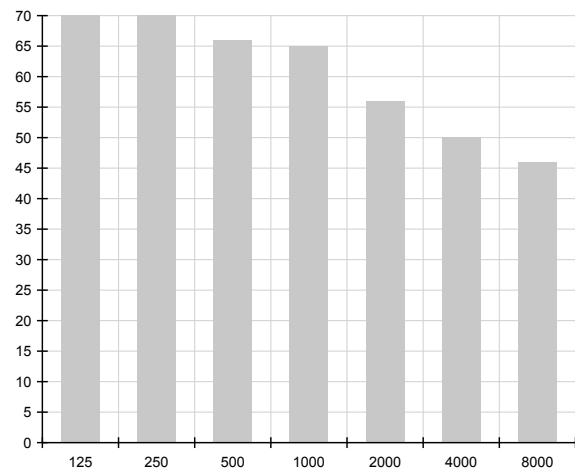
2) AC100HCADKH/EU (IDU : AC100HBMDKH/EU)



3) AC120HCADNH/EU (IDU : AC120HBMDKH/EU)



4) AC120HCADKH/EU (IDU : AC120HBMDKH/EU)



11 Sound power level

Outdoor

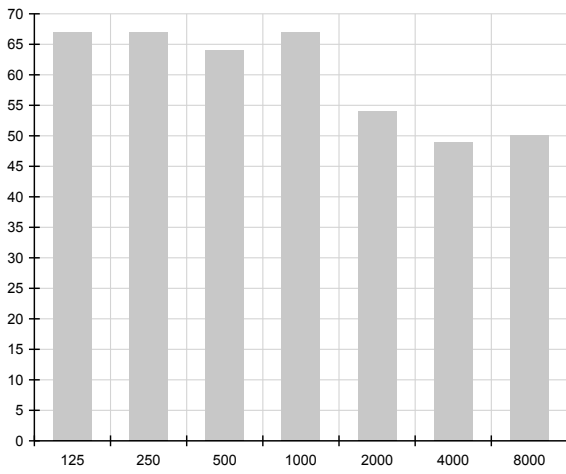
Note

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

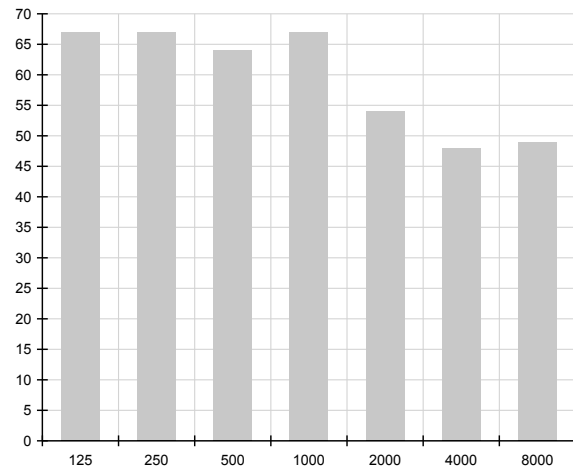
Unit: dB(A)

Model	Power
AC140HCADNH/EU (IDU : AC140HBMDKH/EU)	70.0
AC140HCADKH/EU (IDU : AC140HBMDKH/EU)	70.0

1) AC140HCADNH/EU (IDU : AC140HBMDKH/EU)



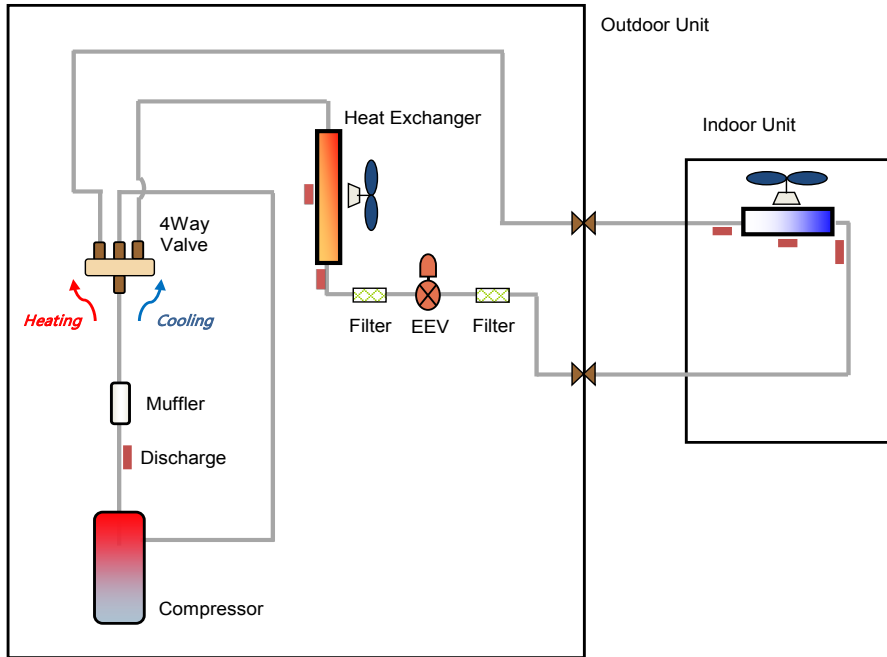
2) AC140HCADKH/EU (IDU : AC140HBMDKH/EU)



12 Cycle Diagram

Outdoor

AC035HCADKH/EU

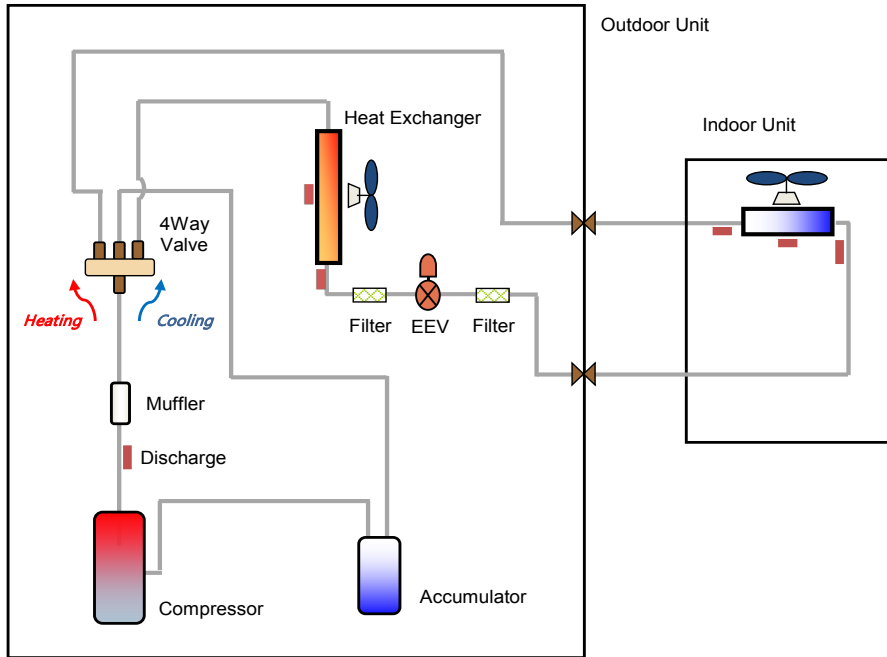










Category	Symbol	Description
Compressor		Rotary Inverter Compressor
Heat Exchanger		Condensing/Evaporating unit(FMC)
Filter		Filter
Valve	Expansion	Electronic Expansion Valve(EEV)
	Reversing	4 Way valve (Reversing valve)
	Service	Service valve
Senser	Temperature	Pip/Air Temperature sensor

12 Cycle Diagram

Outdoor

AC052HCADKH/EU, AC060HCADKH/EU, AC071HCADKH/EU

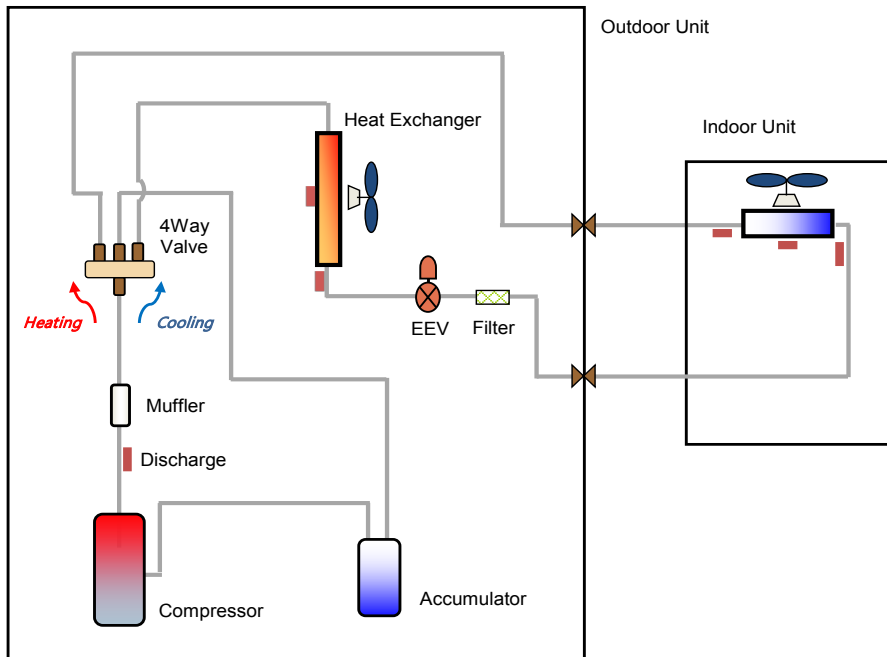










Category	Symbol	Description	
Compressor		Rotary Inverter Compressor	
Heat Exchanger		Condensing/Evaporating unit(FMC)	
Accumulator		Accumulator	
Filter		Filter	
Valve	Expansion		Electronic Expansion Valve (EEV)
	Reversing		4 Way valve (Reversing valve)
	Service		Service valve
Sensor	Temperature		Pip/Air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

12 Cycle Diagram

Outdoor

AC090HCADKH/EU, AC090HCADNH/EU, AC100HCADKH/EU, AC100HCADNH/EU, AC120HCADKH/EU, AC120HCADNH/EU, AC140HCADKH/EU
AC140HCADNH/EU



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

13 Dimensional drawing

Outdoor

AC035HCADKH/EU

Units : mm / inches

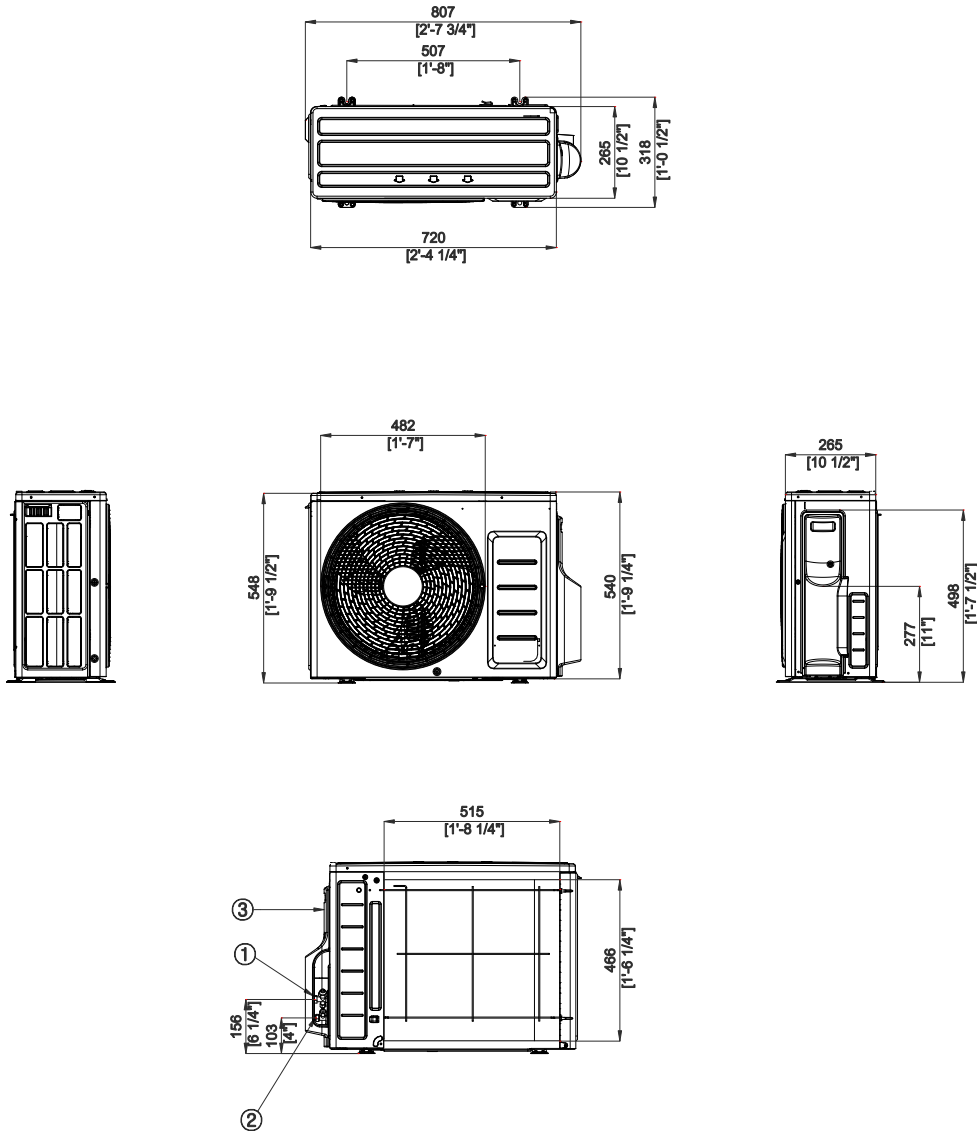


Table of descriptions

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

13 Dimensional drawing

Outdoor

AC052HCADKH/EU

Units : mm / inches

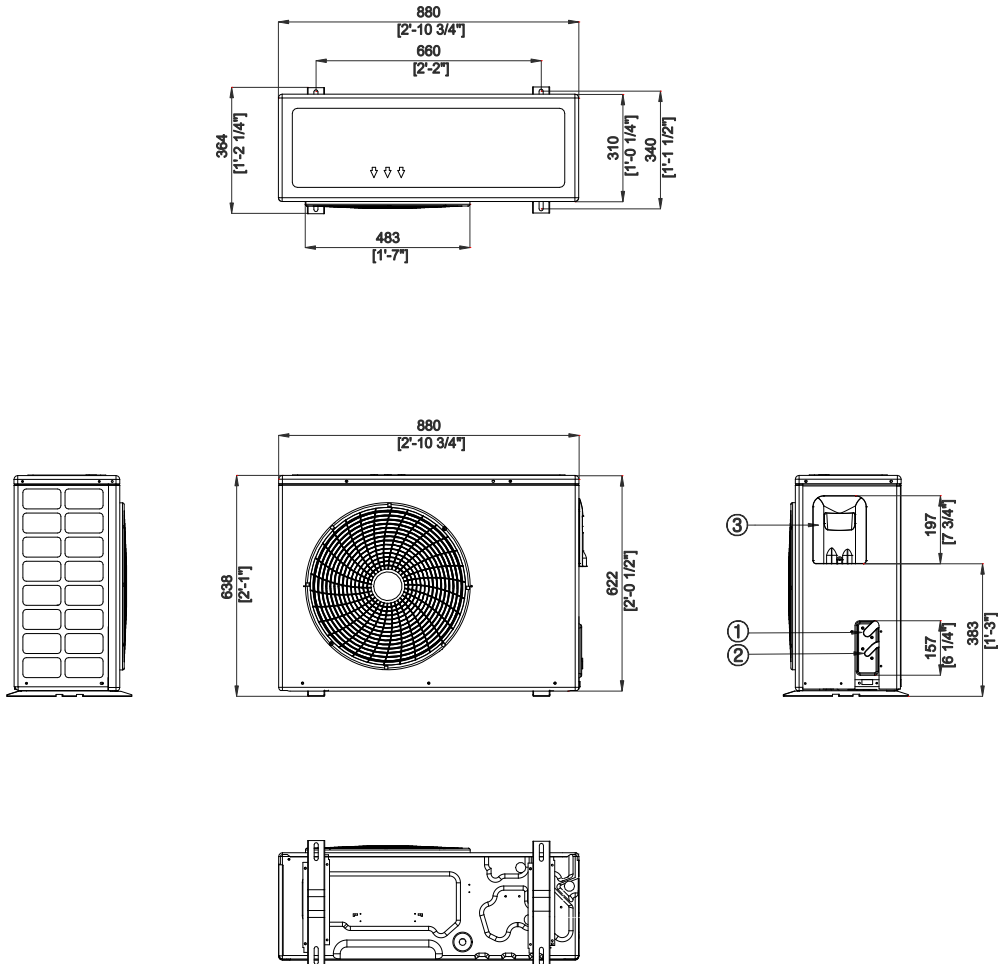


Table of descriptions

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

13 Dimensional drawing

Outdoor

AC060HCADKH/EU, AC071HCADKH/EU

Units : mm / inches

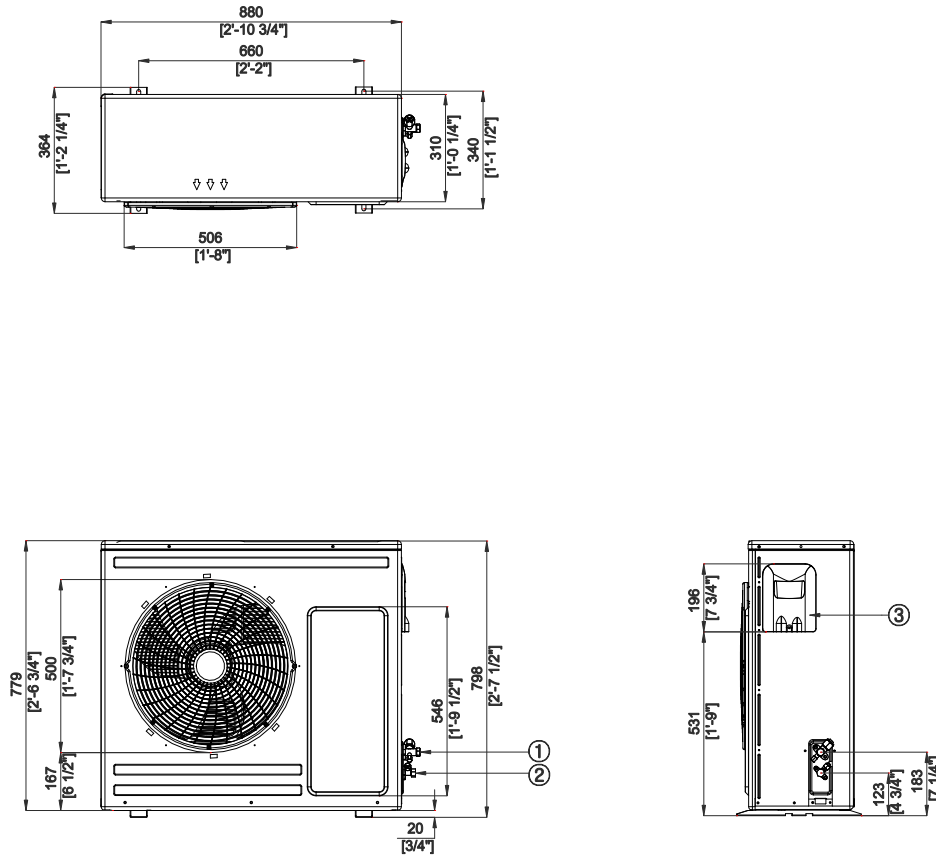


Table of descriptions

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

13 Dimensional drawing

Outdoor

AC090HCADNH/EU, AC090HCADKH/EU, AC100HCADKH/EU, AC100HCADNH/EU, AC120HCADKH/EU, AC120HCADNH/EU

Units : mm / inches

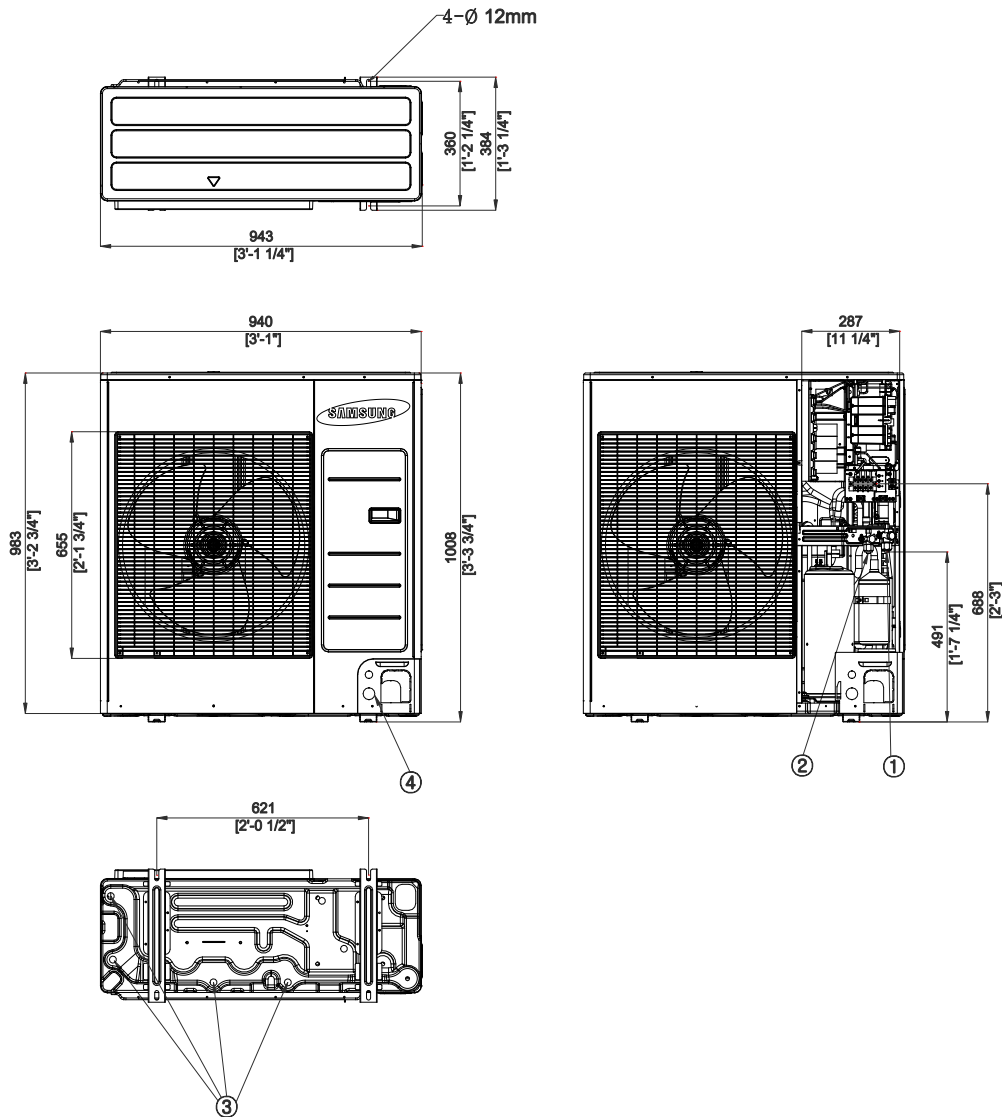


Table of descriptions

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

13 Dimensional drawing

Outdoor

AC140HCADKH/EU, AC140HCADNH/EU

Units : mm / inches

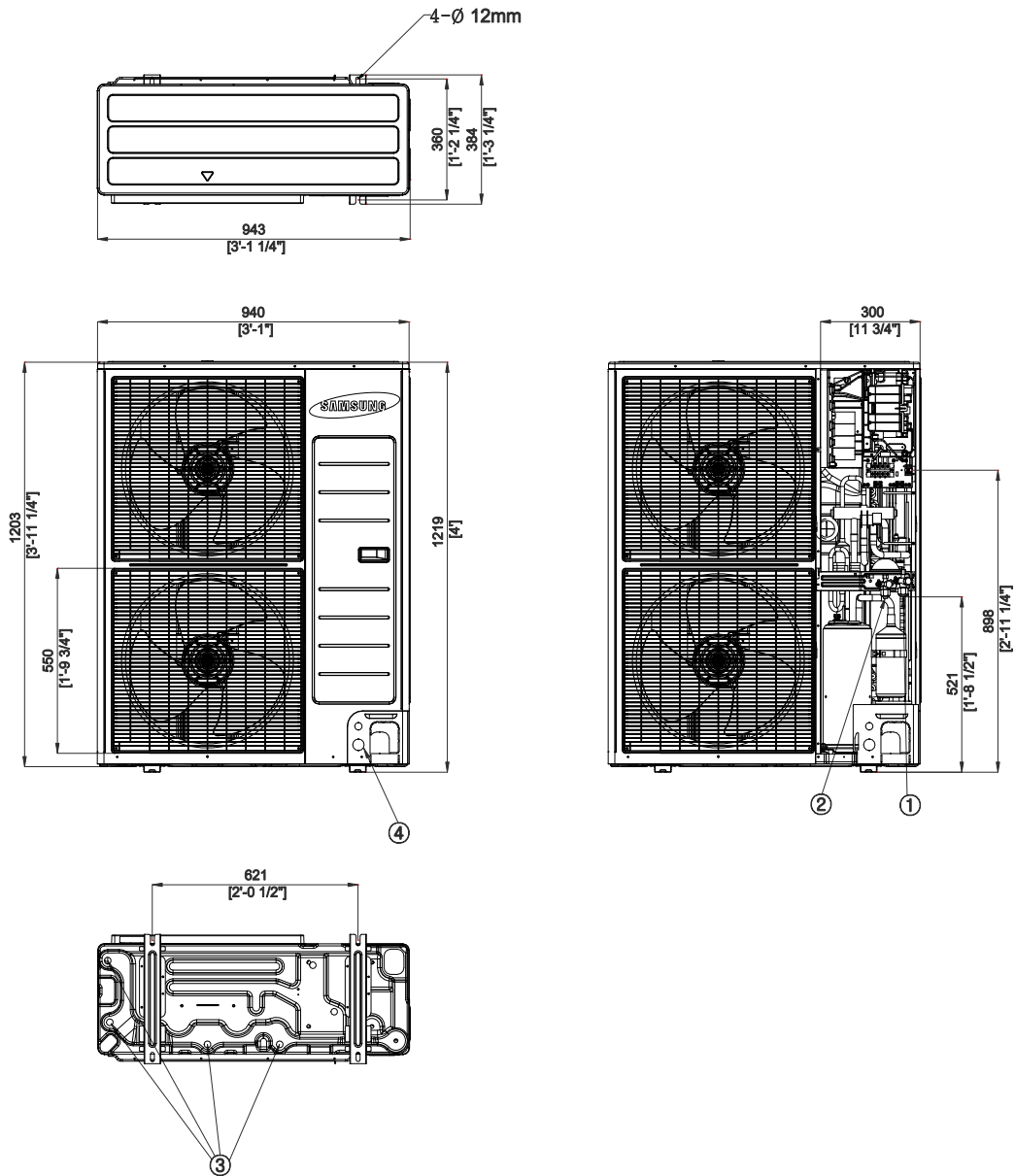


Table of descriptions


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


AC052HBMDKH/EU + AC052HCADKH/EU

Cooling



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


Heating



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


AC060HBMDKH/EU + AC060HCADKH/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	-	-	-	-	-
	25	-	-	-	-	0.96	0.96	0.95	0.94	0.93	0.92	-	-	-	-	-
	20	-	-	-	0.97	0.96	0.96	0.95	0.94	0.93	0.92	-	-	-	-	-
	15	-	-	0.98	0.97	0.96	0.96	0.95	0.94	0.93	0.92	-	-	-	-	-
	10	-	0.99	0.98	0.97	0.96	0.96	0.95	0.94	0.93	0.92	-	-	-	-	-
	5	1.00	0.99	0.98	0.97	0.96	0.96	0.95	0.94	0.93	0.92	-	-	-	-	-
	0	1.00	0.99	0.98	0.97	0.96	0.96	0.95	0.94	0.93	0.92	-	-	-	-	-
	-5	1.00	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.93	0.92	-	-	-	-	-
	-10	-	0.98	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	-	-	-	-	-
	-15	-	-	0.97	0.96	0.96	0.95	0.94	0.93	0.92	0.91	-	-	-	-	-
	-20	-	-	-	0.96	0.95	0.94	0.93	0.93	0.92	0.91	-	-	-	-	-
	-25	-	-	-	-	0.95	0.94	0.93	0.92	0.91	0.90	-	-	-	-	-
	-30	-	-	-	-	-	0.94	0.93	0.92	0.91	0.90	-	-	-	-	-

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	-	-	-	-	-
	25	-	-	-	-	0.96	0.96	0.95	0.94	0.93	0.92	-	-	-	-	-
	20	-	-	-	0.97	0.96	0.96	0.95	0.94	0.93	0.92	-	-	-	-	-
	15	-	-	0.98	0.97	0.96	0.96	0.95	0.94	0.93	0.92	-	-	-	-	-
	10	-	0.99	0.98	0.97	0.96	0.96	0.95	0.94	0.93	0.92	-	-	-	-	-
	5	1.00	0.99	0.98	0.97	0.96	0.96	0.95	0.94	0.93	0.92	-	-	-	-	-
	0	1.00	0.99	0.98	0.97	0.96	0.96	0.95	0.94	0.93	0.92	-	-	-	-	-
	-5	1.00	0.99	0.98	0.97	0.96	0.96	0.95	0.94	0.93	0.92	-	-	-	-	-
	-10	-	0.98	0.98	0.97	0.96	0.96	0.95	0.94	0.93	0.92	-	-	-	-	-
	-15	-	-	0.98	0.97	0.96	0.96	0.95	0.94	0.93	0.92	-	-	-	-	-
	-20	-	-	-	0.97	0.96	0.96	0.95	0.94	0.93	0.92	-	-	-	-	-
	-25	-	-	-	-	0.96	0.96	0.95	0.94	0.93	0.92	-	-	-	-	-
	-30	-	-	-	-	-	0.96	0.95	0.94	0.93	0.92	-	-	-	-	-

14 Capacity correction

Outdoor


AC120HBMDKH/EU + AC120HCADKH/EU

Cooling



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


Heating



		Pipe Length (m)														
		5	10	15	20	25	30	35	40	45	50	55	60	65	70	75
Level Difference (m)	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	-	-	-	-	-


AC120HBMDKH/EU + AC120HCADNH/EU

Cooling



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

Heating



		Pipe Length (m)														
		5	10	15	20	25	30	35	40	45	50	55	60	65	70	75
Level Difference (m)	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	-	-	-	-	-



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