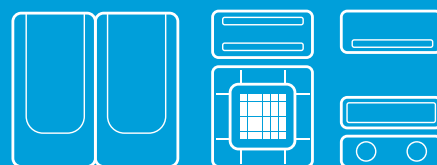


SINGLE

Technical Data Book

Duct S for Europe (R410A, 50Hz, Deluxe)



Model : AC ***HB*DKH/EU (ODU: AC***HCAD*H/EU)

History

Version	Modification	Date	Remark
Ver.1.0	Released SINGLE Duct S (Deluxe) TDB	14.06.10	
Ver.1.1	Modification for erros : the number of fan motors in Specification	15.04.07	
Ver.1.2	Add Note information in Specification regarding EU F-Gas regulation	15.06.17	
Ver.1.3	Add DPM information	15.08.03	
Ver.1.4	Modification for sound pressure data (ODU: 2.6, 3.5kW)	15.08.24	
Ver.1.5	Modification for errors : the static pressure (6.0kW)	15.11.11	
Ver.1.6	Modified the option code for 5.2kW	16.03.08	
Ver.1.7	Modification for Sound Pressure Levels and NC Curves (p.7, p.30) . AC026HBLDKH/EU (H/M/L) : 40/37/34 → 33/30/27 dB(A) . AC035HBLDKH/EU (H/M/L) : 40/37/34 → 33/30/27 dB(A)	16.07.15	

Index

0 DPM installation

1 Nomenclature

2 Specifications (Indoor)

3 Capacity table

4 Dimensional drawing (Indoor)

5 Electrical wiring diagram (Indoor)

6 Sound pressure level (Indoor)

7 Sound power level (Indoor)

***8 Recommended operation range
(Indoor)***

***9 Electrical wiring diagram
(Outdoor)***

10 Sound pressure level (Outdoor)

11 Sound power level (Outdoor)

12 Cycle diagram (Outdoor)

13 Dimensional drawing (Outdoor)

14 Capacity correction (Outdoor)

0 DPM (Digital Pack Multi)

Installing DPM

DPM Allowable Combination

Product	Outdoor unit	2 IDUs connection	3 IDUs connection	4 IDUs connection
		Indoor unit	Indoor unit	Indoor unit
Duct S (Delux)	AC071HCADKH	AC035HBMDKH×2	-	-
	AC100HCAD*H	AC052HBMDKH×2	AC035HBMDKH×3	-
	AC120HCAD*H	AC060HBMDKH×2	AC035HBMDKH×3	-
	AC140HCAD*H	AC071HBMDKH×2	AC052HBMDKH×3	AC035HBMDKH×4
4Way Cst / 4Way Cst (600x600)	AC071FCA*EH	AC035FBNDEH×2	-	-
	AC100FCAD*H	AC052FBNDEH×2	AC035FBNDEH×3	-
		AC052FB4DEH×2		
	AC100FCAP*H	AC052FBNDEH×2	AC035FBNDEH×3	-
		AC052FB4DEH×2		
	RC125DHX*A	AC060FBNDEH×2	AC052FBNDEH×3	-
			AC052FB4DEH×3	
	RC125PHX*A	AC060FBNDEH×2	AC052FBNDEH×3	-
			AC052FB4DEH×3	
	RC140DHX**	AC071FBNDEH×2	AC052FBNDEH×3	AC035FBNDEH×4
		AC071FB4DEH×2		
	RC140PHX*A	AC071FBNDEH×2	AC052FBNDEH×3	AC035FBNDEH×4
		AC071FB4DEH×2		

DPM KIT

DPM KIT	2 IDUs connection	3 IDUs connection	4 IDUs connection
	MXJ-2D2509K	MXJ-3D2509K	MXJ-4D2509K

Installation Conditions

Items	Maximum allowable length
Max. pipe length after DPM kit	15m
Max. pipe length difference between IDUs after DPM kit	5m
Max. distance between IDUs	10m
Max. height difference between IDUs	0.5m
* Indoor units should be installed in one area which is not divided by a wall	

1 Nomenclature

Indoor Units

Model Names

AC

(1)

026

(2)

H

(3)

B

(4)

M

(5)

D

(6)

E

(7)

H

(8)

/**EU**

Buyer

(1) Classification

AC	CAC
----	-----

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

(6) Feature

F	Flagship
S	Standard
D	Deluxe
P	Premium

(7) Rating Voltage

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

(8) Mode

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

1 Nomenclature

Outdoor Units

Model Names

AC

(1)

026

(2)

H

(3)

C

(4)

B

(5)

D

(6)

E

(7)

H

(8)

/**EU**

Buyer

(1) Classification

AC	CAC
----	-----

(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) Feature1

A	Inv+Side+General Temp
B	Non Inv+Side+General Temp

(6) Feature2

F	Standrad+Tropical+Non Module
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
N	3Ø, 380~415V, 50/60Hz

(8) Mode

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

2 Specifications

Duct S

Type				Duct S		Duct S			
Model Name		Indoor Unit			AC026HBLDKH/EU		AC035HBLDKH/EU		
		Outdoor Unit			AC026HCADKH/EU		AC035HCADKH/EU		
System	Mode				Heat Pump		Heat Pump		
	Capacity	Cooling(Min/Std/Max)		kW	0.95 / 2.60 / 3.50		0.98 / 3.50 / 4.10		
				Btu/h	3,200 / 8,900 / 11,900		3,300 / 11,900 / 14,000		
		Heating(Min/Std/Max)		kW	0.95 / 3.30 / 4.30		0.99 / 4.00 / 5.00		
				Btu/h	3,200 / 11,300 / 14,700		3,400 / 13,600 / 17,100		
	Power	Power Input (Nominal)	Cooling(Min/Std/Max)	kW	0.29 / 0.70 / 1.17		0.33 / 1.15 / 1.35		
			Heating(Min/Std/Max)		0.20 / 0.87 / 1.30		0.24 / 1.18 / 1.50		
		Current Input (Nominal)	Cooling(Min/Std/Max)	A	1.80 / 3.40 / 5.40		2.10 / 5.30 / 6.20		
			Heating(Min/Std/Max)		1.30 / 4.10 / 6.80		1.60 / 5.40 / 6.80		
		MCA		A	10.00 (MCA)		10.00 (MCA)		
		MFA		A	11.00		11.00		
	Energy Efficiency	EER (Nominal Cooling)		-	3.71		3.04		
		COP (Nominal Heating)		-	3.79		3.39		
		Energy Grade		-	SE ER 6.3 (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		9.52		
				Ø, inch	3/8"		3/8"		
		Installation Limitation	Max. Height	m	20		20		
				m	15		15		
	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		0.90		
Indoor Unit	Power Supply			Ø, #, V, Hz	1,2,220-240,50		1,2,220-240,50		
	Fan	Type		-	Sirocco Fan(BLDC)		Sirocco Fan(BLDC)		
		Motor	Output	W	153 x 1		153 x 1		
				CMM	8.00 / 6.50 / 4.90		9.20 / 7.40 / 5.80		
		Air Flow Rate		High/Mid/Low	l/s	133.33 / 108.33 / 81.67		153.33 / 123.33 / 96.67	
		External Static Pressure		Min/Std/Max	mmAq	0.00 / 2.50 / 4.00		0.00 / 2.50 / 4.00	
	Pa				0.00 / 24.50 / 39.20		0.00 / 24.50 / 39.20		
	Drain	Drain Pipe		Ø,mm	VP20 (OD 26,ID 20)		VP20 (OD 26,ID 20)		
	Sound	Pressure	High/Mid/Low	dB(A)	33 / 30 / 27		33 / 30 / 27		
		Power	Cooling		53		53		
	External Dimension	Net Weight		kg	20.00		20.00		
		Shipping Weight		kg	24.00		24.00		
		Net Dimensions (WxHxD)		mm	700 x 199 x 600		700 x 199 x 600		
		Shipping Dimensions (WxHxD)		mm	950 x 280 x 710		950 x 280 x 710		
	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	-	MDP-E075SEE3D		MDP-E075SEE3D		
			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		-	Single BLDC Rotary		Single BLDC Rotary	
			Model		-	UG9A090FUAER		UG9A090FUAER	
			Output		kW	0.84		0.84	
Oil			Type	-	POE		POE		
		CMM		37.00		32.00			
Fan		Air Flow Rate	Cooling	l/s	616.67		533.33		
			Pressure	Cooling/Heating	dB(A)	46 / 47		47 / 47	
Power		Cooling		63		63			
		External Dimension	Net Weight		kg	29.50		29.50	
Shipping Weight			kg	32.00		32.00			
Net Dimensions (WxHxD)			mm	720 x 548 x 265		720 x 548 x 265			
Shipping Dimensions (WxHxD)			mm	844 x 622 x 353		844 x 622 x 353			
Operating Temp. Range		Cooling		°C	-15.0 ~ 52.0		-15.0 ~ 52.0		
		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.

- These products contain R410A which is fluorinated greenhouse gas.

2 Specifications

Duct S

Type				Duct S		Duct S			
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		30		
			Max. Height	m	15		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(BLDC)		Sirocco Fan(BLDC)			
		Motor	Output	W	153 x 1		153 x 1		
				CMM	12.00 / 9.50 / 8.00		15.00 / 12.00 / 9.00		
		Air Flow Rate	High/Mid/Low	l/s	200.00 / 158.33 / 133.33		250.00 / 200.00 / 150.00		
		External Static Pressure	Min/Std/Max	mmAq	0.00 / 2.50 / 15.00		0.00 / 3.00 / 4.00		
	Pa			0.00 / 24.50 / 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	dB(A)	32 / 29 / 26		33 / 30 / 27		
		Power	Cooling		52		55		
	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	Drain pump	-	MDP-G075SP		MDP-E075SP		
			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	-	Single BLDC Rotary		Twin BLDC Rotary		
			Model		-	UG9A090FUAER		UG4T150LNBEQ	
			Output		kW	0.84		1.42	
Oil			Type	-	POE		POE		
		CMM		37.00		44.00			
Fan		Air Flow Rate	Cooling	l/s	616.67		733.33		
		Sound	Pressure	Cooling/Heating	dB(A)	47 / 47		48 / 48	
Power			Cooling	63		63			
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 750 x 414		
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.

- These products contain R410A which is fluorinated greenhouse gas.

2 Specifications

Duct S

Type				Duct S		Duct S				
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		50			
			Max. Height	m	20		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(BLDC)		Sirocco Fan(BLDC)			
			Motor	Output	W	153 x 1		153 x 1		
					CMM	16.00 / 13.50 / 11.00		21.00 / 18.00 / 15.00		
			Air Flow Rate		High/Mid/Low	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 / 15.00	
						Pa	0.00 / 29.40 / 147.00		0.00 / 29.40 / 147.00	
		Drain	Drain Pipe		Ø,mm	VP20 (OD 26,ID 20)		VP20 (OD 26,ID 20)		
		Sound	Pressure	High/Mid/Low	dB(A)	33 / 30 / 27		37 / 33 / 29		
						Power	Cooling	53		57
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	-		-			
		Shipping Dimensions (WxHxD)		mm	-		-			
Additional Accessories		Drain pump	Drain pump	-	MDP-G075SP		MDP-G075SP			
			Max. Lifting	mm/liter/h	-		-			
		Air Filter		-	-		-			
Outdoor Unit	Power Supply		Ø, #, V, Hz	1,2,220-240,50		1,2,220-240,50				
	Compressor	Type	-	Twin BLDC Rotary		Twin BLDC Rotary				
		Model		-	UG4T150LNBEQ		UG4T200LNFE4			
		Output		kW	1.42		1.85			
		Oil	Type	-	POE		POE			
	-			-		-				
	Fan	Air Flow Rate	Cooling	CMM	44.00		52.00			
				l/s	733.33		866.67			
	Sound	Pressure	Cooling/Heating	dB(A)	48 / 48		49 / 50			
					63		64			
	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.

- These products contain R410A which is fluorinated greenhouse gas.

2 Specifications

Duct S

Type				Duct S		Duct S			
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 (Equivalent length)	m	50				
			Max. Height	m	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(BLDC)		Sirocco Fan(BLDC)		
		Motor	Output	W	153 x 1		153 x 1		
				CMM	20.00 / 15.00 / 10.00		22.00 / 19.00 / 16.00		
		Air Flow Rate	High/Mid/Low	l/s	333.33 / 250.00 / 166.67		366.67 / 316.67 / 266.67		
		External Static Pressure	Min/Std/Max	mmAq	0.00 / 3.00 / 4.00		0.00 / 3.00 / 15.00		
	Pa			0.00 / 29.40 / 39.20		0.00 / 29.40 / 147.00			
	Drain	Drain Pipe		Ø,mm	VP20 (OD 26,ID 20)		VP20 (OD 26,ID 20)		
	Sound	Pressure	High/Mid/Low	dB(A)	37 / 34 / 31		37 / 33 / 29		
		Power	Cooling		59		57		
	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	-		-		
		Shipping Dimensions (WxHxD)		mm	-		-		
	Additional Accessories	Drain pump	Drain pump	-	MDP-G075SP		MDP-G075SP		
			Max. Lifting	mm/liter/h	-		-		
		Air Filter		-	-		-		
	Outdoor Unit	Power Supply			Ø, #, V, Hz	1,2,220-240,50		1,2,220-240,50	
		Compressor	Type		-	Twin BLDC Rotary		Twin BLDC Rotary	
			Model		-	UG4T200LNFE4		UG4T200LNFE4	
			Output		kW	1.85		1.85	
Oil			Type	-	POE		POE		
Fan		Air Flow Rate	Cooling	CMM	54.00		54.00		
				l/s	900.00		900.00		
Sound		Pressure	Cooling/Heating	dB(A)	49 / 51		49 / 51		
		Power	Cooling		65		65		
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.

- These products contain R410A which is fluorinated greenhouse gas.

2 Specifications

Duct S

Type				Duct S		Duct S			
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		50		
			Max. Height	m	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		R410A		
		Control Method		-	-		-		
		Factory Charging		kg	2.60		2.60		
Indoor Unit	Power Supply		Ø, #, V, Hz	1,2,220-240,50 Sirocco		1,2,220-240,50			
	Fan	Type	-	Fan(BLDC)		Sirocco Fan(BLDC)			
		Motor	Output	W	153 x 1		153 x 1		
				CMM	29.00 / 25.00 / 22.00		29.00 / 25.00 / 22.00		
		Air Flow Rate		High/Mid/Low	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	dB(A)	38 / 35 / 32		38 / 35 / 32		
		Power	Cooling		61		61		
	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	-		-		
	Additional Accessories	Shipping Dimensions (WxHxD)		mm	-		-		
		Drain pump	Drain pump	-	MDP-G075SP		MDP-G075SP		
			Max. Lifting	mm/liter/h	-		-		
		Air Filter		-	-		-		
	Outdoor Unit	Power Supply		Ø, #, V, Hz	1,2,220-240,50		3,4,380-415,50		
		Compressor	Type	-	Twin BLDC Rotary		Twin BLDC Rotary		
			Model		-	UG8T300LNBJU		UG8T300FUCJU	
			Output		kW	2.82		2.82	
Oil			Type	-	PVE		PVE		
Fan		Air Flow Rate	Cooling	CMM	63.00		63.00		
				l/s	1,050.00		1,050.00		
Sound		Pressure	Cooling/Heating	dB(A)	52 / 54		52 / 54		
			Cooling		68		68		
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.

- These products contain R410A which is fluorinated greenhouse gas.

2 Specifications

Duct S

Type				Duct S		Duct S			
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		50		
			Max. Height	m	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(BLDC)		Sirocco Fan(BLDC)		
		Motor	Output	W	153 x 1		153 x 1		
				CMM	32.00 / 27.00 / 22.00		32.00 / 27.00 / 22.00		
		Air Flow Rate		High/Mid/Low	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	dB(A)	38 / 35 / 32		38 / 35 / 32		
		Power	Cooling		61		61		
	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	-	MDP-G075SP		MDP-G075SP		
			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	2.82		2.82	
Oil			Type	-	PVE		PVE		
		-		PVE		PVE			
Fan		Air Flow Rate	Cooling	CMM	68.00		68.00		
				l/s	1,133.33		1,133.33		
Sound		Pressure	Cooling/Heating	dB(A)	52 / 54		52 / 54		
					69		69		
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.

- These products contain R410A which is fluorinated greenhouse gas.

2 Specifications

Duct S

Type				Duct S		Duct S			
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		50		
			Max. Height	m	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(BLDC)		Sirocco Fan(BLDC)		
			Motor	Output	W	244 x 1		244 x 1	
					CMM	38.00 / 32.00 / 25.00		38.00 / 32.00 / 25.00	
Air Flow Rate			High/Mid/Low	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 / 36 / 33		39 / 36 / 33		
		Power	Cooling		65		65		
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	-	MDP-G075SP		MDP-G075SP		
			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	-	PVE		PVE		
	-			PVE		PVE			
	Fan	Air Flow Rate	Cooling	CMM	70.00		70.00		
			l/s	1,166.67	1,166.67		1,166.67		
	Sound	Pressure	Cooling/Heating	dB(A)	54 / 56		54 / 58		
					Power	Cooling	70		70
	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.

- These products contain R410A which is fluorinated greenhouse gas.

2 Specifications

Duct S

Type				Duct S		Duct S			
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		
			Max. Height	m	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(BLDC)		Sirocco Fan(BLDC)	
			Motor	Output	W	244 x 1		244 x 1	
					CMM	42.00 / 34.00 / 25.00		42.00 / 34.00 / 25.00	
Air Flow Rate			High/Mid/Low		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	dB(A)	40 / 37 / 33		40 / 37 / 33		
		Power	Cooling		66		66		
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	-	MDP-G075SP		MDP-G075SP		
			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	-	PVE		PVE		
	Fan			-	-		-		
	Air Flow Rate	Cooling	CMM	100.00		100.00			
			l/s	1,666.67		1,666.67			
	Sound	Pressure	Cooling/Heating	dB(A)	53 / 54		53 / 54		
					70		70		
	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.

- These products contain R410A which is fluorinated greenhouse gas.

3 Capacity table

Duct S

AC026HBLDKH/EU + AC026HCADKH/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	2.92	2.34	0.44	2.99	2.39	0.45	3.06	2.45	0.46	3.14	2.51	0.47	3.22	2.57	0.48	3.29	2.63	0.49
21.0	2.89	2.31	0.50	2.96	2.37	0.51	3.04	2.43	0.53	3.11	2.49	0.54	3.18	2.55	0.55	3.26	2.61	0.57
35.0	2.42	1.93	0.65	2.48	1.98	0.67	2.54	2.03	0.68	2.60	2.08	0.70	2.66	2.13	0.72	2.73	2.18	0.73
46.0	2.07	1.66	0.82	2.12	1.70	0.84	2.18	1.74	0.86	2.23	1.78	0.88	2.28	1.83	0.90	2.34	1.87	0.92
50.0	1.51	2.09	1.33	1.54	2.14	1.36	1.58	2.20	1.40	1.62	1.30	0.67	1.66	1.33	0.83	1.70	1.36	0.85

Heating

TC : Total Capacity, PI: Power Input

Outdoor temperature (°C, DB)	Indoor temperature (°C, DB)											
	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	1.53	0.69	1.52	0.69	1.50	0.68	1.49	0.67	1.47	0.67	1.46	0.66
-10.0	2.47	0.90	2.44	0.89	2.42	0.88	2.40	0.87	2.37	0.86	2.35	0.85
7.0	3.37	0.89	3.33	0.88	3.30	0.87	3.27	0.86	3.23	0.85	3.20	0.84
24.0	4.17	0.91	4.13	0.90	4.09	0.89	4.05	0.88	4.01	0.87	3.97	0.86

AC035HBLDKH/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	3.93	3.14	0.72	4.02	3.22	0.73	4.12	3.30	0.75	4.22	3.38	0.77	4.32	3.46	0.79	4.43	3.54	0.81
21.0	3.89	3.11	0.82	3.98	3.19	0.84	4.08	3.26	0.86	4.18	3.34	0.88	4.28	3.42	0.90	4.38	3.51	0.92
35.0	3.25	2.60	1.07	3.33	2.67	1.10	3.42	2.73	1.12	3.50	2.80	1.15	3.58	2.87	1.18	3.67	2.94	1.21
46.0	2.79	2.23	1.35	2.86	2.29	1.38	2.93	2.34	1.42	3.00	2.40	1.45	3.07	2.46	1.48	3.15	2.52	1.52
50.0	2.03	2.09	1.33	2.08	2.14	1.36	2.13	2.20	1.40	2.18	1.74	1.10	2.23	1.79	1.36	2.29	1.83	1.40

Heating

TC : Total Capacity PI: Power Input

Outdoor temperature (°C, DB)	Indoor temperature (°C, DB)											
	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	1.86	0.94	1.84	0.93	1.82	0.92	1.80	0.91	1.78	0.90	1.77	0.89
-10.0	2.99	1.22	2.96	1.21	2.93	1.20	2.90	1.19	2.87	1.18	2.84	1.16
7.0	4.08	1.20	4.04	1.19	4.00	1.18	3.96	1.17	3.92	1.16	3.88	1.14
24.0	5.06	1.23	5.01	1.22	4.96	1.21	4.91	1.20	4.86	1.19	4.81	1.17

- Capacities are based on following conditions;

- . Cooling mode indoor air temperature (°C, DB/WB) : 20/14, 22/16, 25/18, 27/19, 30/22, 32/24
- . Heating mode outdoor air : 85%RH. However, the condition rated capacity is 7°C DB / 6°C WB.
- . Refrigerant piping length : 5m
- . Level difference : 0m.

3 Capacity table

Duct S

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, DB)											
	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, DB)											
	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

- Capacities are based on following conditions;

- . Cooling mode indoor air temperature (°C, DB/WB) : 20/14, 22/16, 25/18, 27/19, 30/22, 32/24
- . Heating mode outdoor air : 85%RH. However, the condition rated capacity is 7°C DB / 6°C WB.
- . Refrigerant piping length : 5m
- . Level difference : 0m.

3 Capacity table

Duct S

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
	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
-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, DB)											
	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

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
	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
-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, DB)											
	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	3.77	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	4.80	2.55	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

- Capacities are based on following conditions;

- . Cooling mode indoor air temperature (°C, DB/WB) : 20/14, 22/16, 25/18, 27/19, 30/22, 32/24
- . Heating mode outdoor air : 85%RH. However, the condition rated capacity is 7°C DB / 6°C WB.
- . Refrigerant piping length : 5m
- . Level difference : 0m.

3 Capacity table

Duct S

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, DB)											
	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, DB)											
	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

- Capacities are based on following conditions;

- . Cooling mode indoor air temperature (°C, DB/WB) : 20/14, 22/16, 25/18, 27/19, 30/22, 32/24
- . Heating mode outdoor air : 85%RH. However, the condition rated capacity is 7°C DB / 6°C WB.
- . Refrigerant piping length : 5m
- . Level difference : 0m.

3 Capacity table

Duct S

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, DB)											
	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, DB)											
	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

- Capacities are based on following conditions;

- . Cooling mode indoor air temperature (°C, DB/WB) : 20/14, 22/16, 25/18, 27/19, 30/22, 32/24
- . Heating mode outdoor air : 85%RH. However, the condition rated capacity is 7°C DB / 6°C WB.
- . Refrigerant piping length : 5m
- . Level difference : 0m.

3 Capacity table

Duct S

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
	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
-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, DB)											
	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	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
	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
-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, DB)											
	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	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

- Capacities are based on following conditions;

- . Cooling mode indoor air temperature (°C, DB/WB) : 20/14, 22/16, 25/18, 27/19, 30/22, 32/24
- . Heating mode outdoor air : 85%RH. However, the condition rated capacity is 7°C DB / 6°C WB.
- . Refrigerant piping length : 5m
- . Level difference : 0m.

3 Capacity table

Duct S

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, DB)											
	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, DB)											
	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

- Capacities are based on following conditions;

- . Cooling mode indoor air temperature (°C, DB/WB) : 20/14, 22/16, 25/18, 27/19, 30/22, 32/24
- . Heating mode outdoor air : 85%RH. However, the condition rated capacity is 7°C DB / 6°C WB.
- . Refrigerant piping length : 5m
- . Level difference : 0m.

3 Capacity table

Duct S

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
	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
-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, DB)											
	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	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
	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
-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, DB)											
	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	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

- Capacities are based on following conditions;

- . Cooling mode indoor air temperature (°C, DB/WB) : 20/14, 22/16, 25/18, 27/19, 30/22, 32/24
- . Heating mode outdoor air : 85%RH. However, the condition rated capacity is 7°C DB / 6°C WB.
- . Refrigerant piping length : 5m
- . Level difference : 0m.

4 Dimensional drawing

Global Duct

AC026HBLDKH/EU, AC035HBLDKH/EU

Units : mm / inches

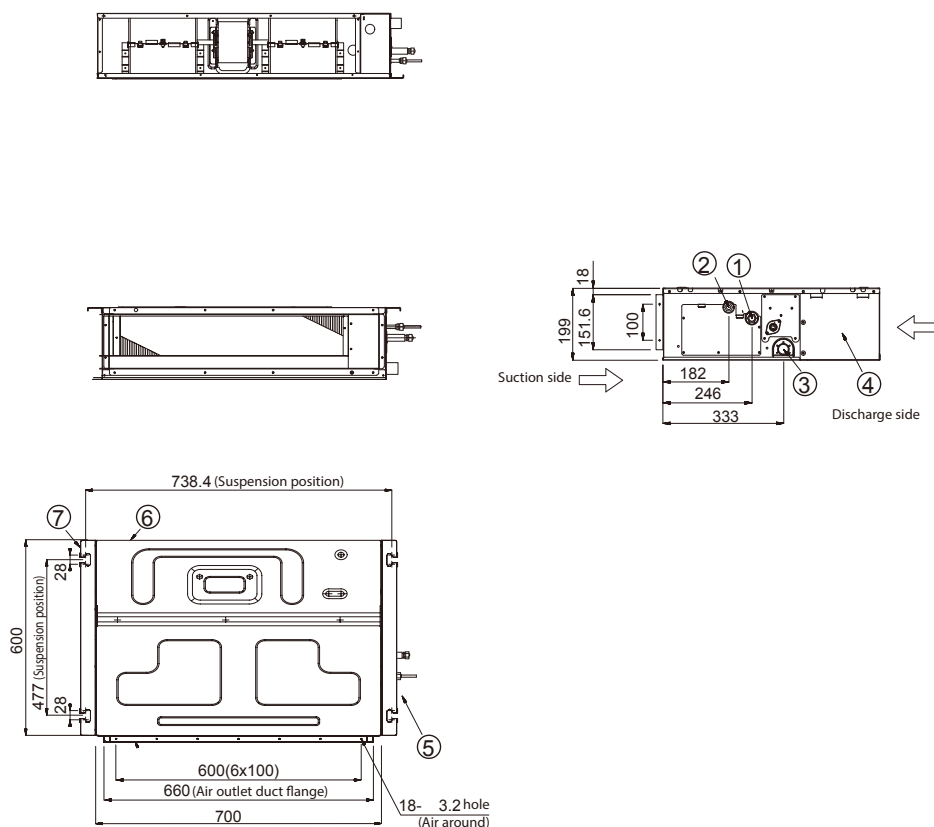


Table of descriptions

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

4 Dimensional drawing

Duct S

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

Units : mm / inches

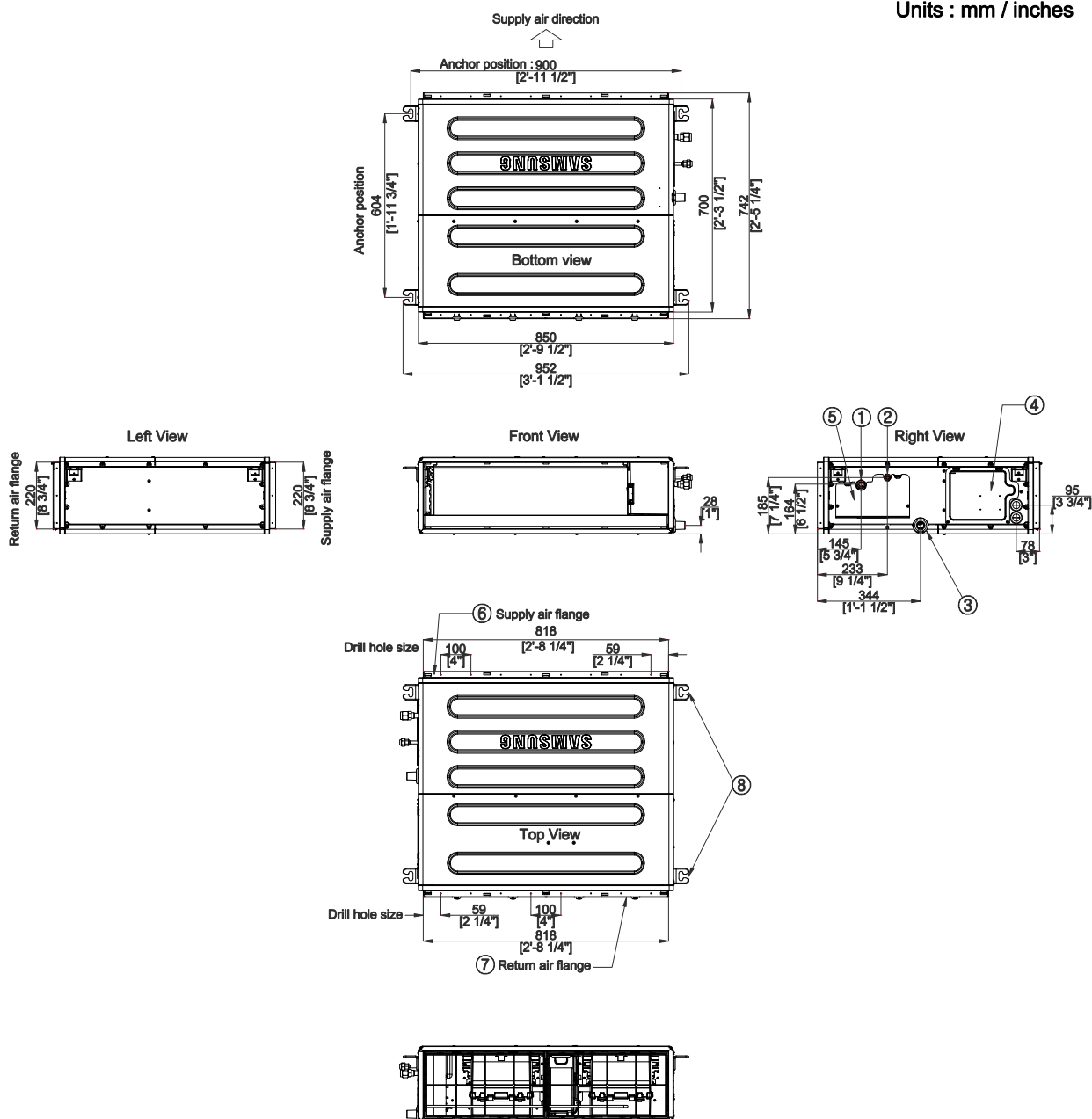


Table of descriptions

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

Duct S

AC052HBLDKH/EU, AC071HBLDKH/EU

Units : mm / inches

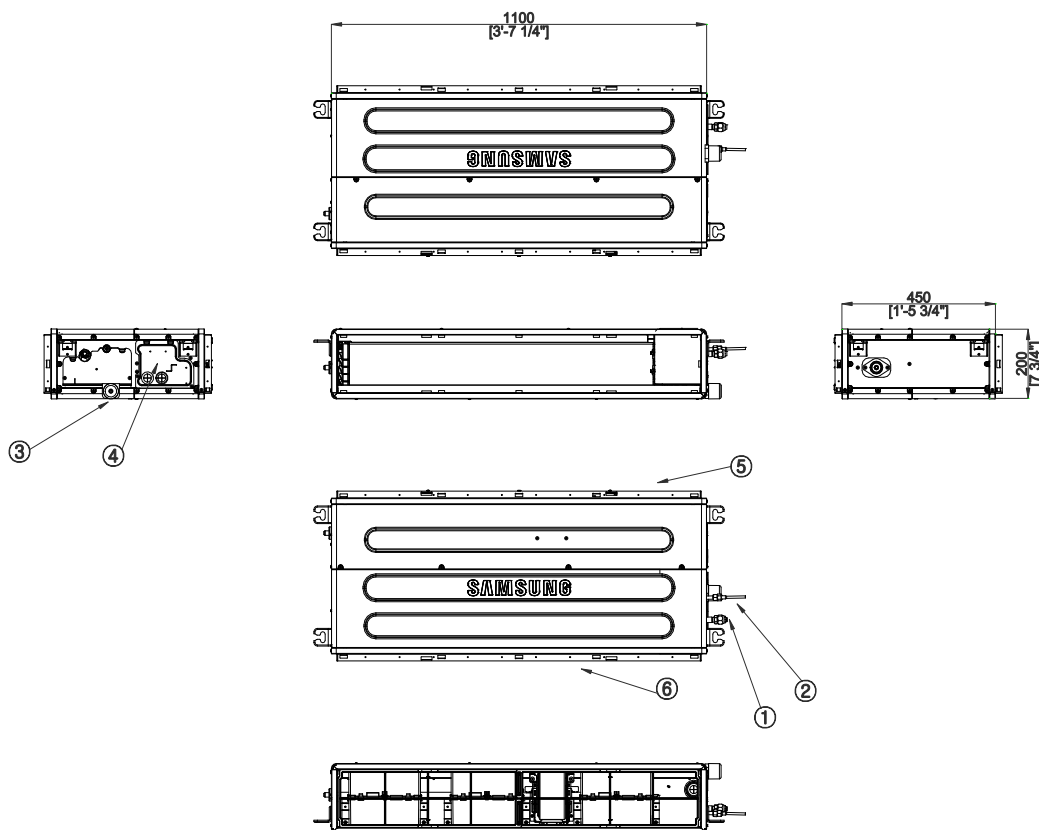


Table of descriptions

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

Duct S

AC090HBMDKH/EU, AC100HBMDKH/EU

Units : mm / inches

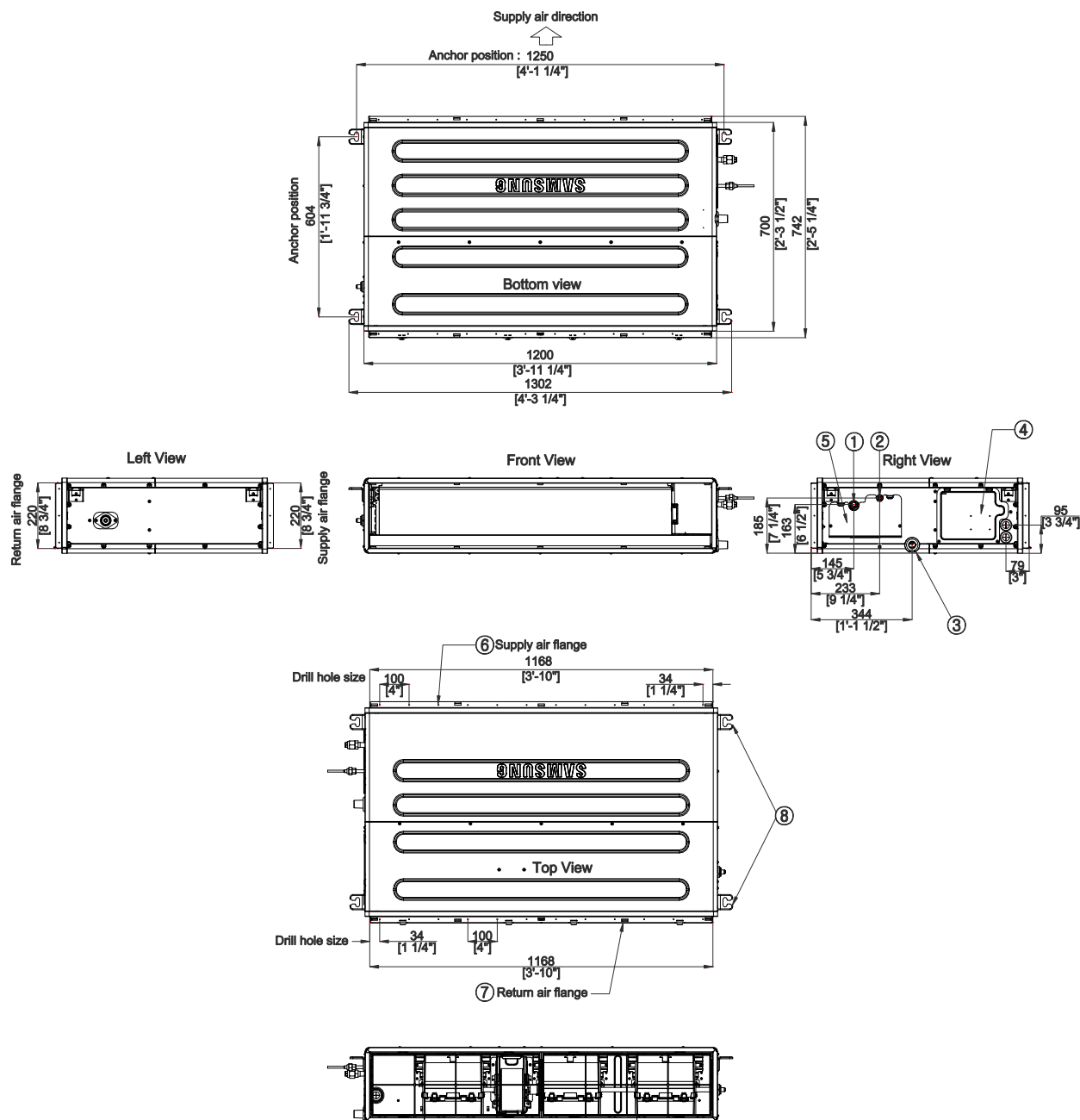


Table of descriptions

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

Duct S

AC120HBMDKH/EU, AC140HBMDKH/EU

Units : mm / inches

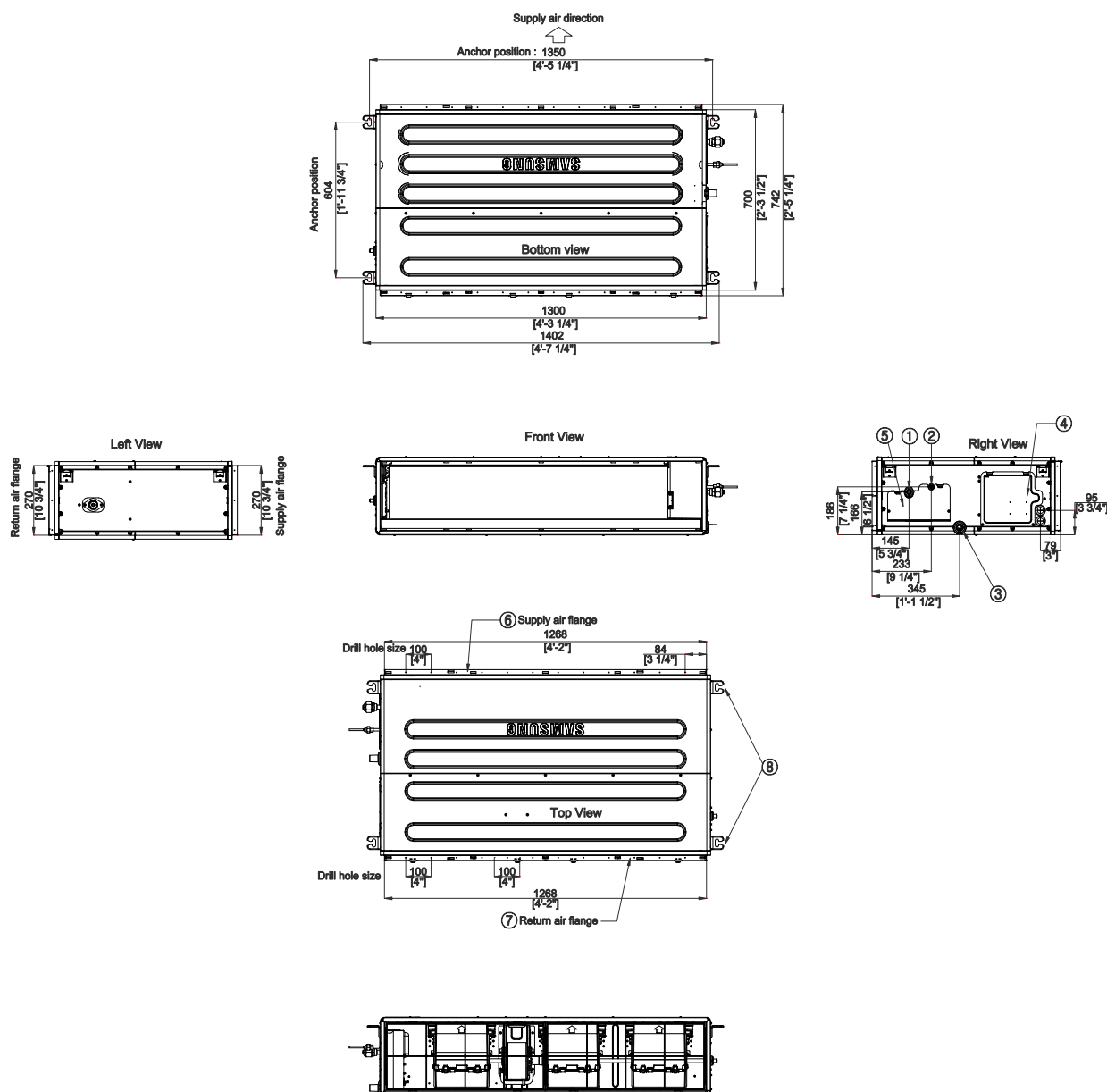


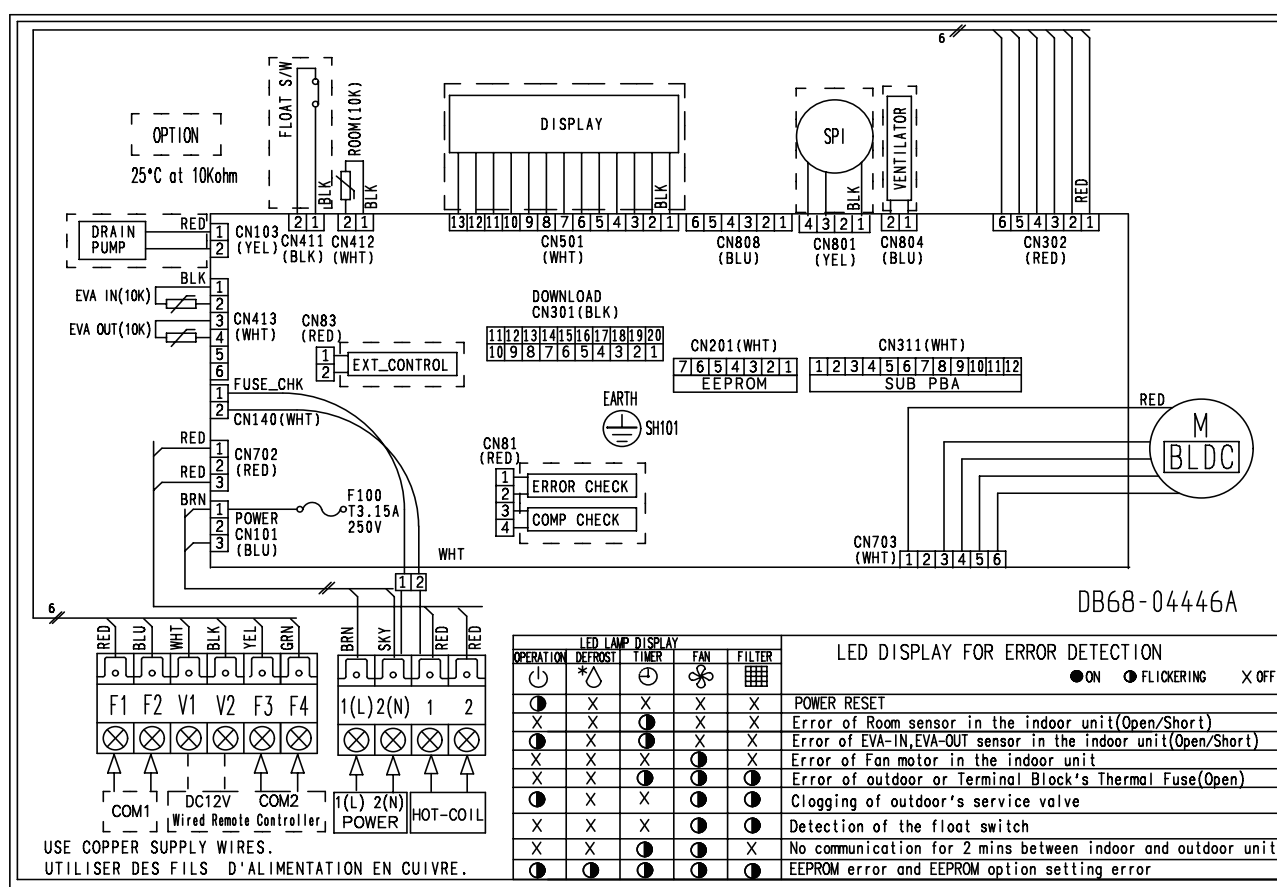
Table of descriptions

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

Duct S

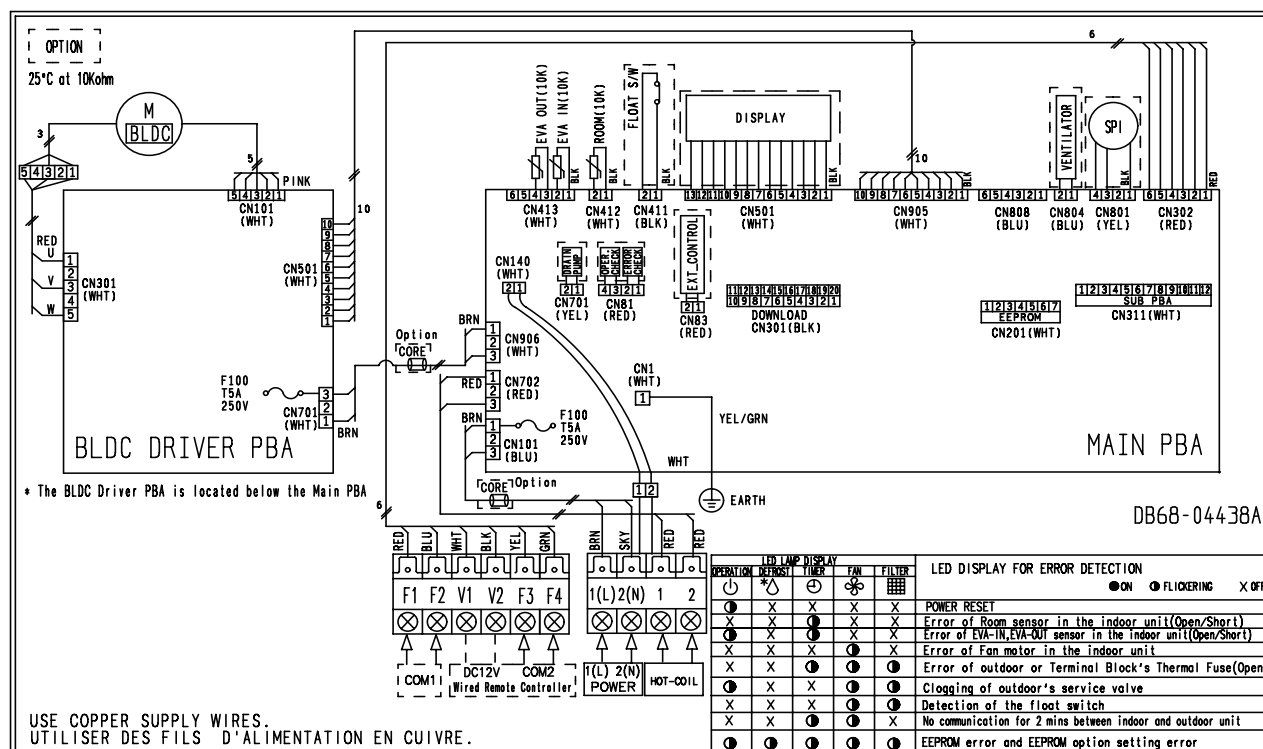
AC026HBLDKH/EU, AC035HBLDKH/EU, AC052HBLDKH/EU, AC071HBLDKH/EU



5 Electrical wiring diagram

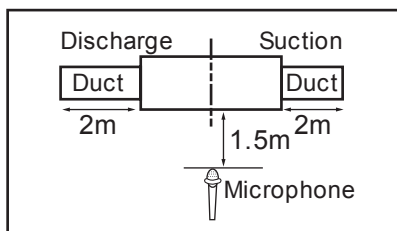
Duct S

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



6 Sound pressure level

Duct S



Unit: dB(A)

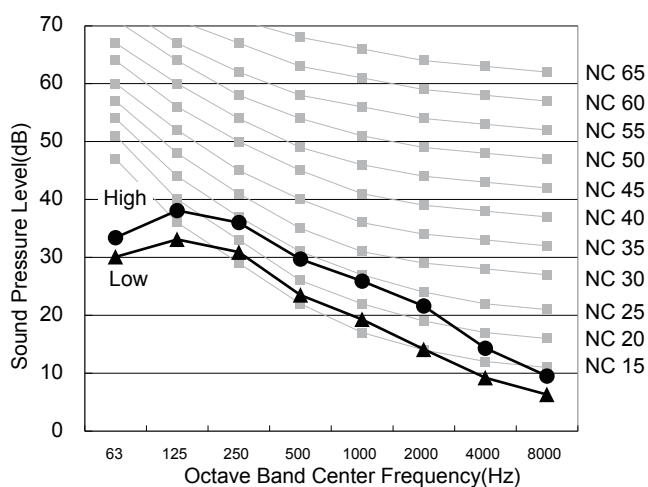
Model	High	Low
AC026HBLDKH/EU (ODU : AC026HCADKH/EU)	33	27
AC035HBLDKH/EU (ODU : AC035HCADKH/EU)	33	27
AC035HBMDKH/EU (ODU : AC035HCADKH/EU)	32	26
AC052HBLDKH/EU (ODU : AC052HCADKH/EU)	33	27

Note

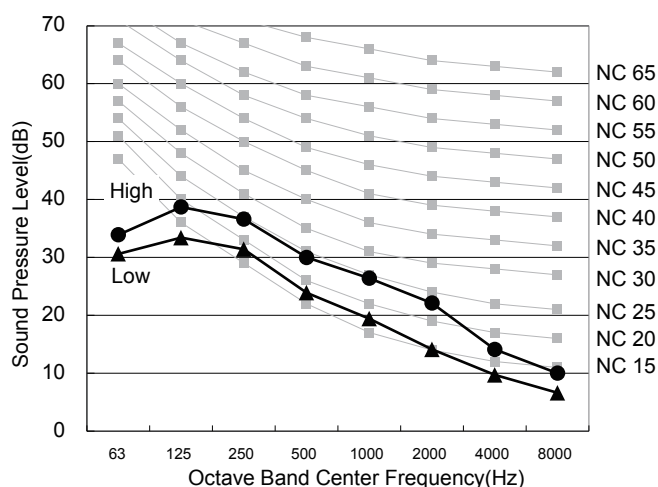
- These operation values were obtained in an anechoic room. Sound pressure level will vary depending on a range of factors such as the construction of the particular room where the equipment is installed.
- Operation sound level may differ depending on operation and ambient conditions.

NC curve

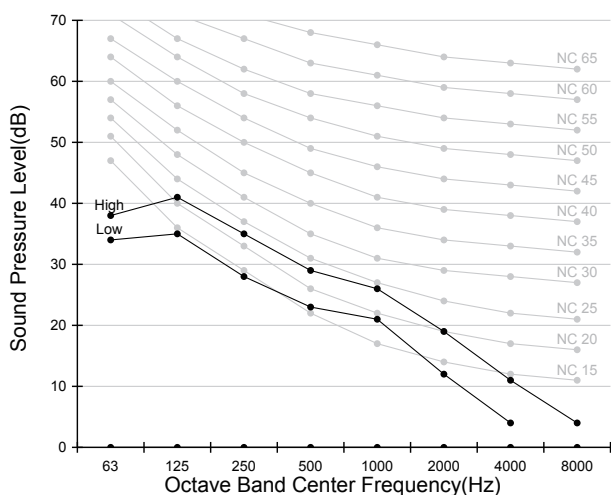
1) AC026HBLDKH/EU (ODU : AC026HCADKH/EU)



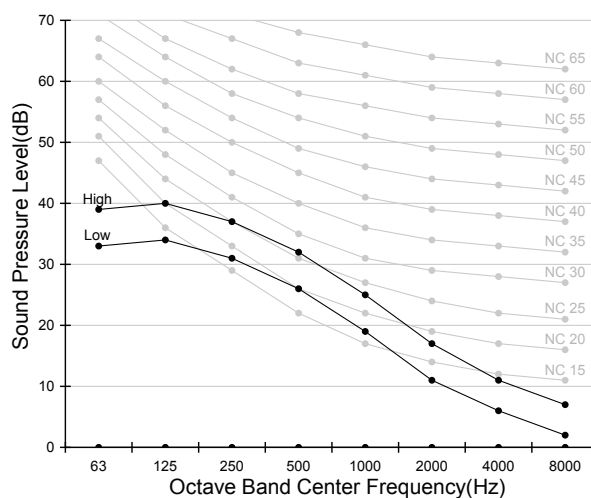
2) AC035HBLDKH/EU (ODU : AC035HCADKH/EU)



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

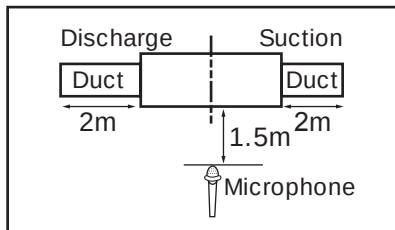


4) AC052HBLDKH/EU (ODU : AC052HCADKH/EU)



6 Sound pressure level

Duct S



Unit: dB(A)

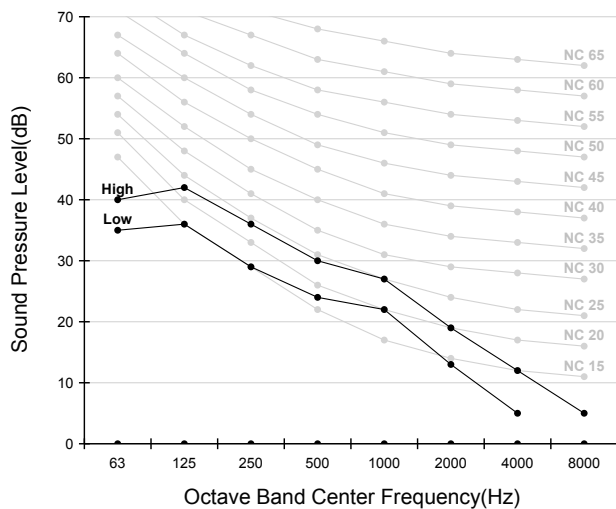
Model	High	Low
AC052HBMDKH/EU (ODU : AC052HCADKH/EU)	33	27
AC060HBMDKH/EU (ODU : AC060HCADKH/EU)	37	29
AC071HBLDKH/EU (ODU : AC071HCADKH/EU)	37	31
AC071HBMDKH/EU (ODU : AC071HCADKH/EU)	37	29

Note

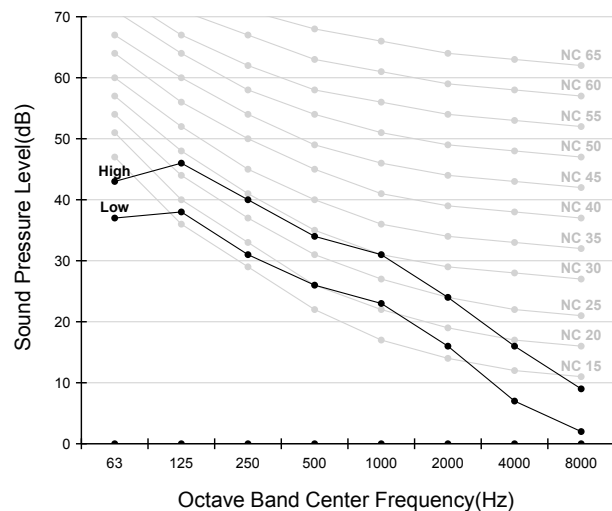
- These operation values were obtained in an anechoic room. Sound pressure level will vary depending on a range of factors such as the construction of the particular room where the equipment is installed.
- Operation sound level may differ depending on operation and ambient conditions.

NC curve

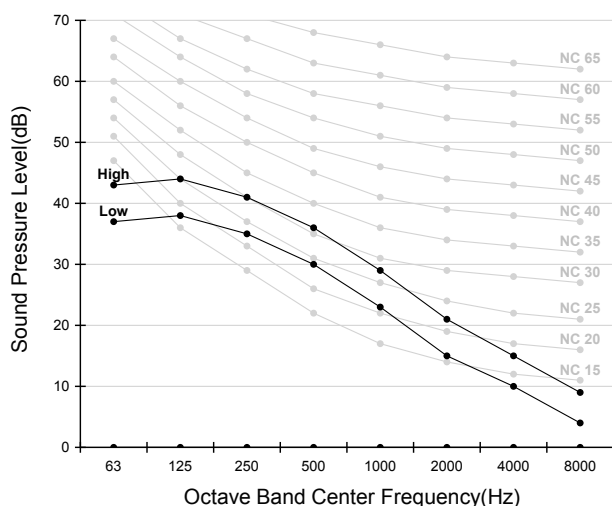
1) AC052HBMDKH/EU (ODU : AC052HCADKH/EU)



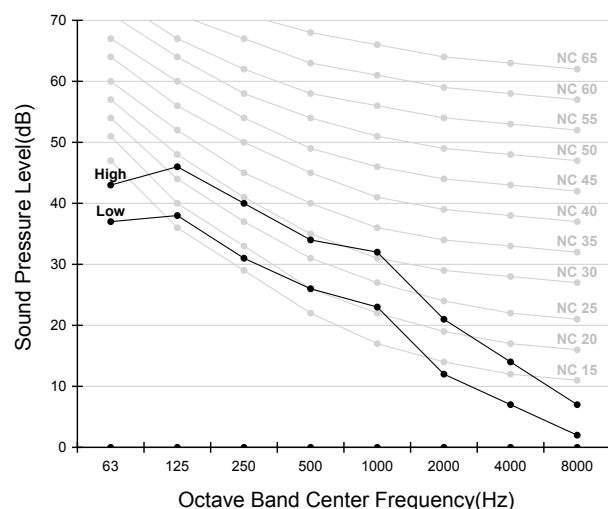
2) AC060HBMDKH/EU (ODU : AC060HCADKH/EU)



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

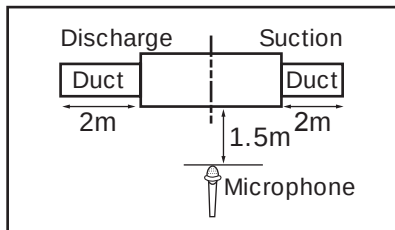


4) AC071HBMDKH/EU (ODU : AC071HCADKH/EU)



6 Sound pressure level

Duct S



Unit: dB(A)

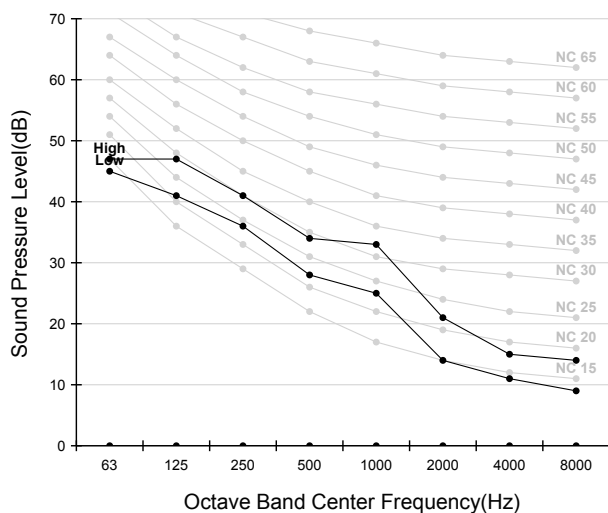
Model	High	Low
AC090HBMDKH/EU (ODU : AC090HCADKH/EU)	38	32
AC090HBMDKH/EU (ODU : AC090HCADNH/EU)	38	32
AC100HBMDKH/EU (ODU : AC100HCADNH/EU)	38	32
AC100HBMDKH/EU (ODU : AC100HCADKH/EU)	38	32

Note

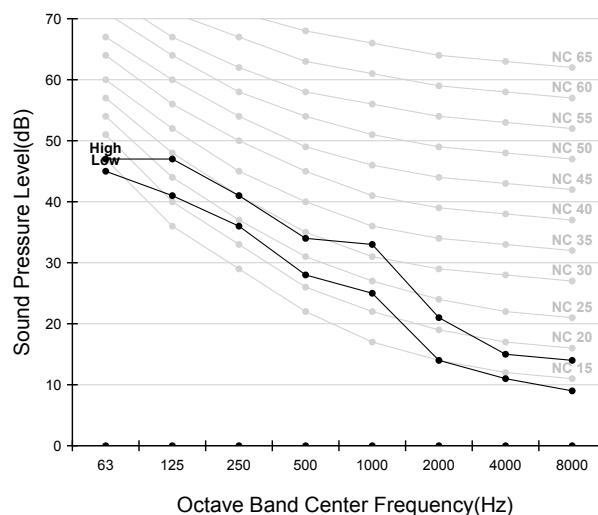
- These operation values were obtained in an anechoic room. Sound pressure level will vary depending on a range of factors such as the construction of the particular room where the equipment is installed.
- Operation sound level may differ depending on operation and ambient conditions.

NC curve

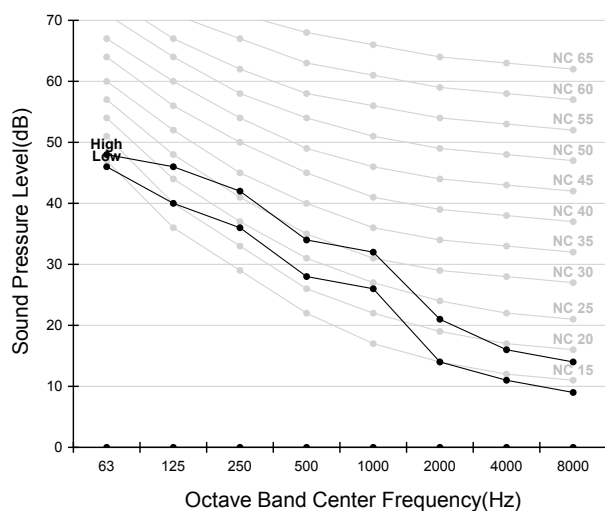
1) AC090HBMDKH/EU (ODU : AC090HCADKH/EU)



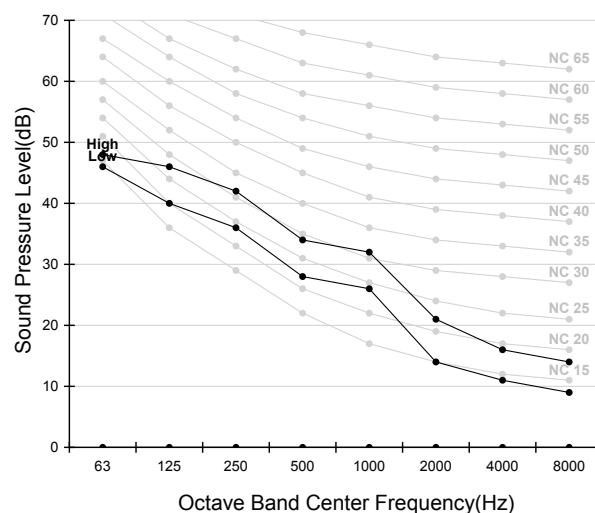
2) AC090HBMDKH/EU (ODU : AC090HCADNH/EU)



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

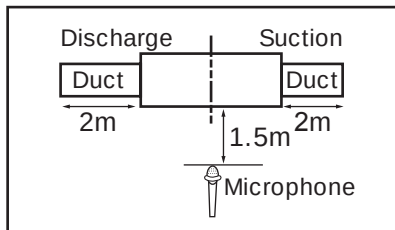


4) AC100HBMDKH/EU (ODU : AC100HCADKH/EU)



6 Sound pressure level

Duct S



Unit: dB(A)

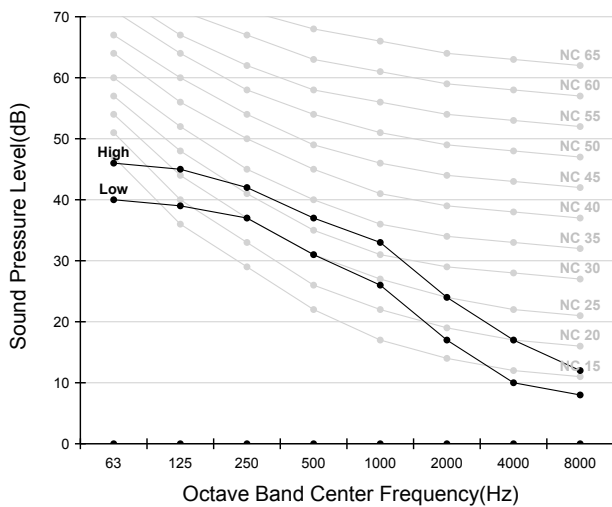
Model	High	Low
AC120HBMDKH/EU (ODU : AC120HCADNH/EU)	39	33
AC120HBMDKH/EU (ODU : AC120HCADKH/EU)	39	33
AC140HBMDKH/EU (ODU : AC140HCADNH/EU)	40	33
AC140HBMDKH/EU (ODU : AC140HCADKH/EU)	40	33

Note

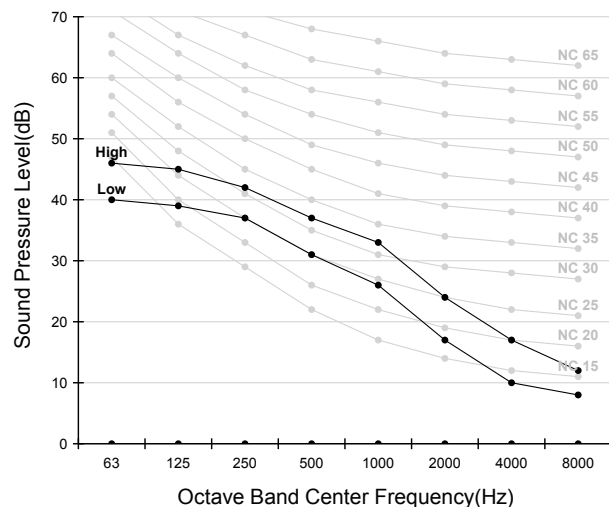
- These operation values were obtained in an anechoic room. Sound pressure level will vary depending on a range of factors such as the construction of the particular room where the equipment is installed.
- Operation sound level may differ depending on operation and ambient conditions.

NC curve

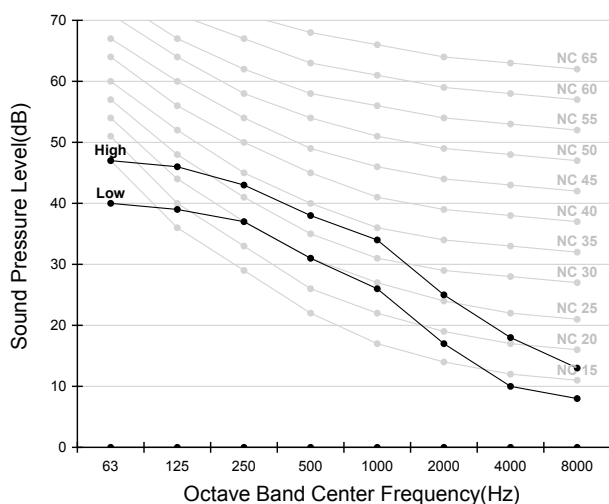
1) AC120HBMDKH/EU (ODU : AC120HCADNH/EU)



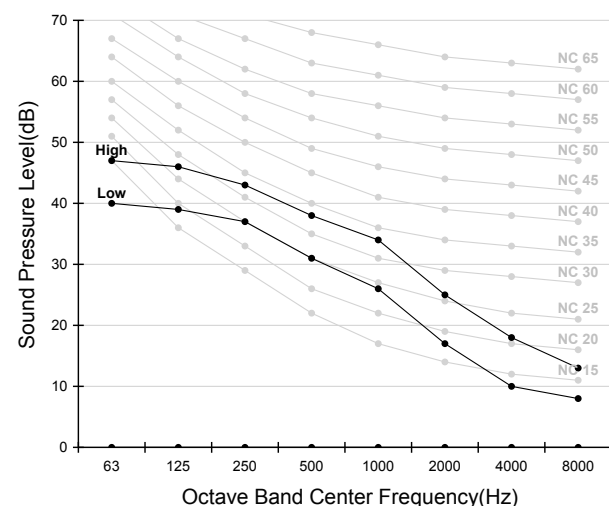
2) AC120HBMDKH/EU (ODU : AC120HCADKH/EU)



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



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



7 Sound power level

Duct S

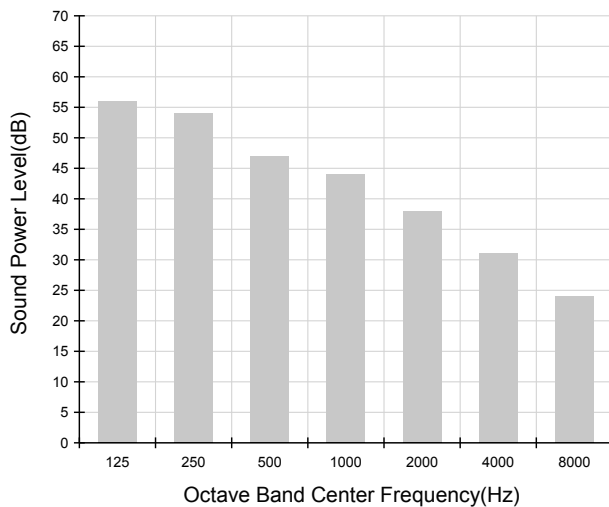
Note

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

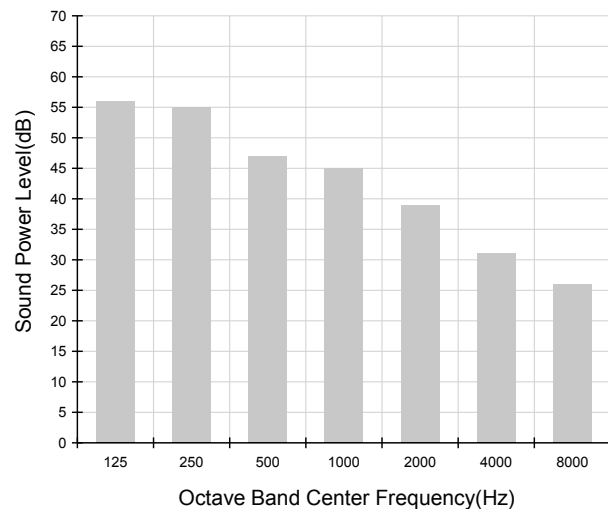
Unit: dB(A)

Model	Power
AC026HBLDKH/EU (ODU : AC026HCADKH/EU)	53
AC035HBLDKH/EU (ODU : AC035HCADKH/EU)	53
AC035HBMDKH/EU (ODU : AC035HCADKH/EU)	52
AC052HBLDKH/EU (ODU : AC052HCADKH/EU)	55

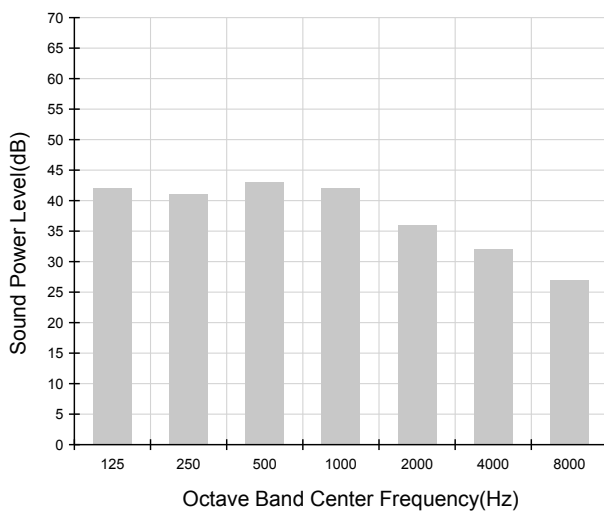
1) AC026HBLDKH/EU (ODU : AC026HCADKH/EU)



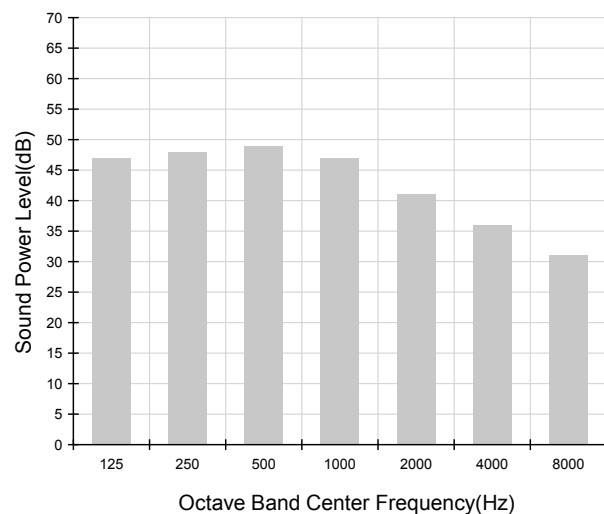
2) AC035HBLDKH/EU (ODU : AC035HCADKH/EU)



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



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



7 Sound power level

Duct S

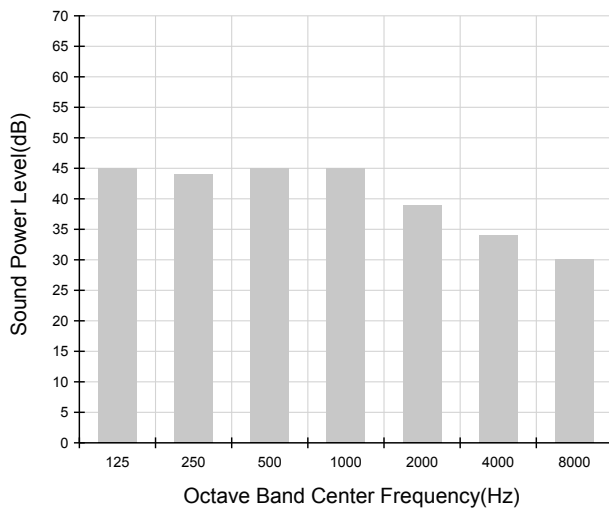
Note

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

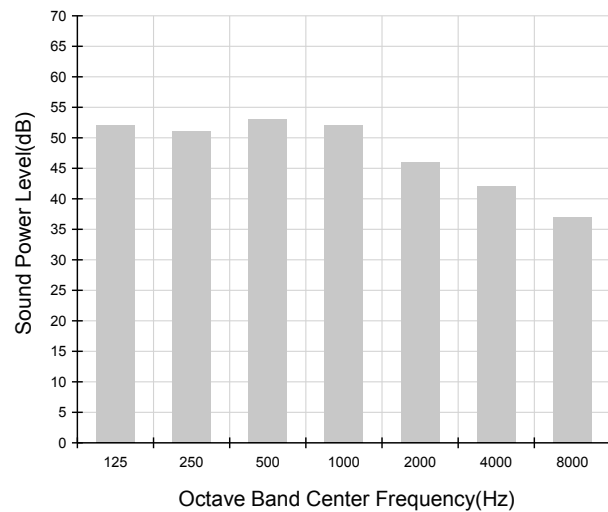
Unit: dB(A)

Model	Power
AC052HBMDKH/EU (ODU : AC052HCADKH/EU)	53
AC060HBMDKH/EU (ODU : AC060HCADKH/EU)	57
AC071HBLDKH/EU (ODU : AC071HCADKH/EU)	59
AC071HBMDKH/EU (ODU : AC071HCADKH/EU)	57

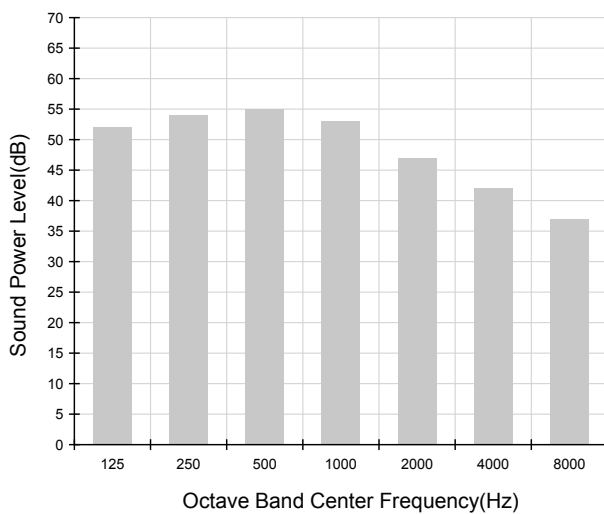
1) AC052HBMDKH/EU (ODU : AC052HCADKH/EU)



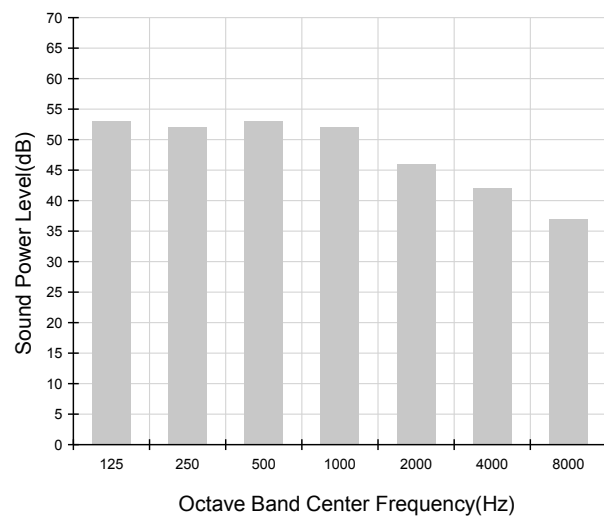
2) AC060HBMDKH/EU (ODU : AC060HCADKH/EU)



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



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



7 Sound power level

Duct S

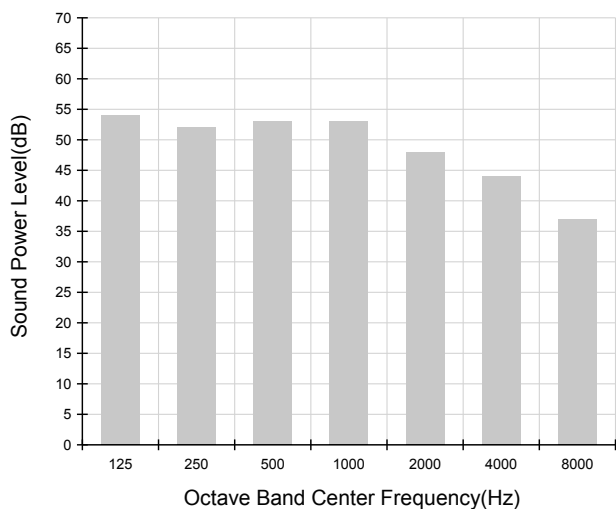
Note

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

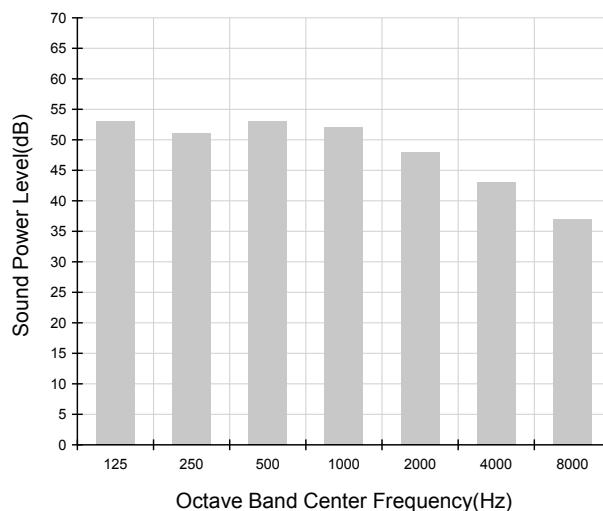
Unit: dB(A)

Model	Power
AC090HBMDKH/EU (ODU : AC090HCADKH/EU)	61
AC090HBMDKH/EU (ODU : AC090HCADNH/EU)	61
AC100HBMDKH/EU (ODU : AC100HCADNH/EU)	61
AC100HBMDKH/EU (ODU : AC100HCADKH/EU)	61

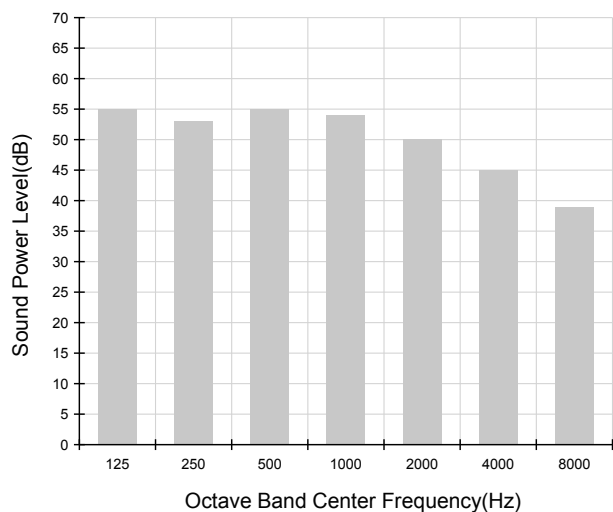
1) AC090HBMDKH/EU (ODU : AC090HCADKH/EU)



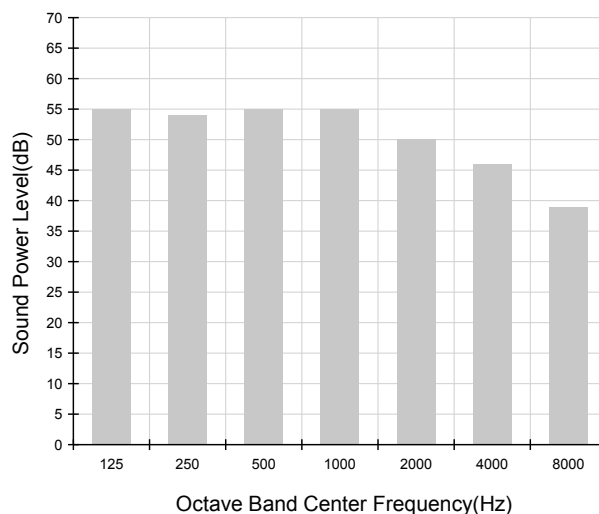
2) AC090HBMDKH/EU (ODU : AC090HCADNH/EU)



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



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



7 Sound power level

Duct S

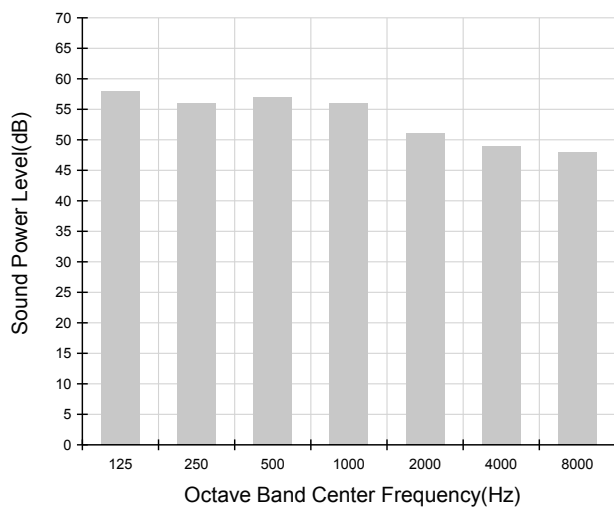
Note

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

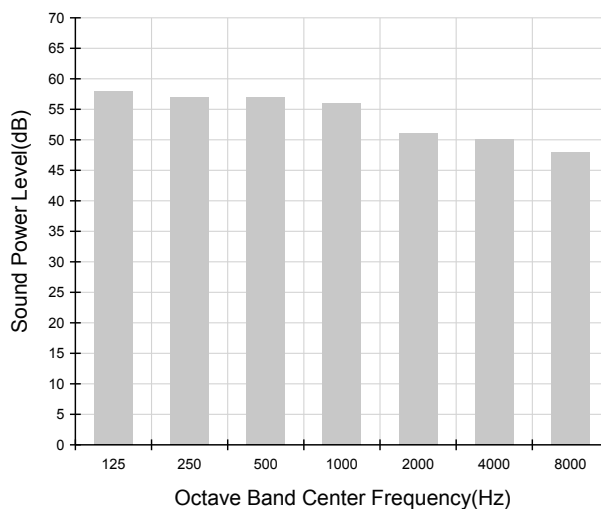
Unit: dB(A)

Model	Power
AC120HBMDKH/EU (ODU : AC120HCADNH/EU)	65
AC120HBMDKH/EU (ODU : AC120HCADKH/EU)	65
AC140HBMDKH/EU (ODU : AC140HCADNH/EU)	66
AC140HBMDKH/EU (ODU : AC140HCADKH/EU)	66

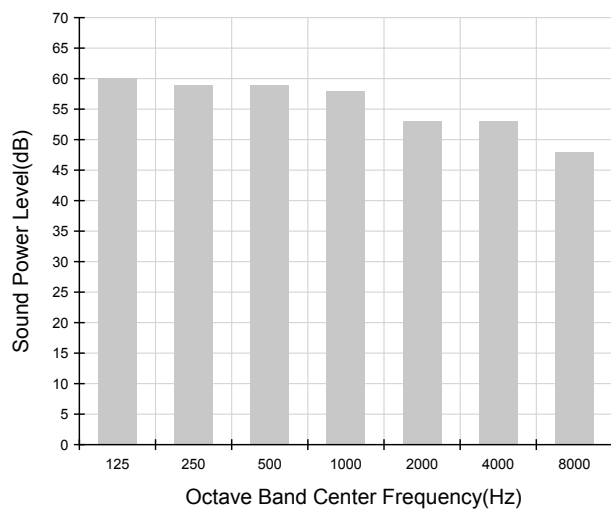
1) AC120HBMDKH/EU (ODU : AC120HCADNH/EU)



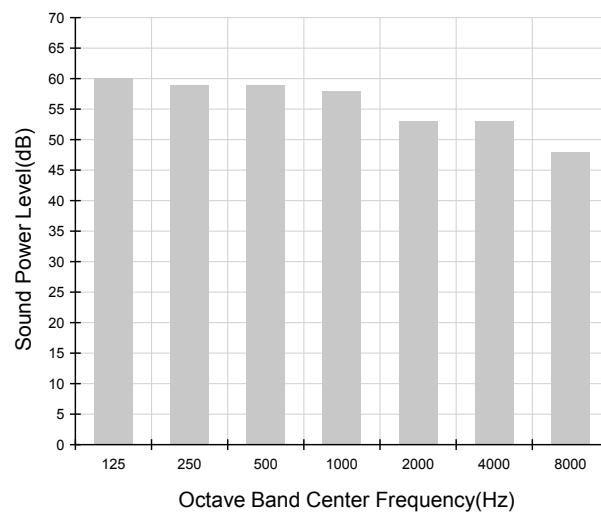
2) AC120HBMDKH/EU (ODU : AC120HCADKH/EU)



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



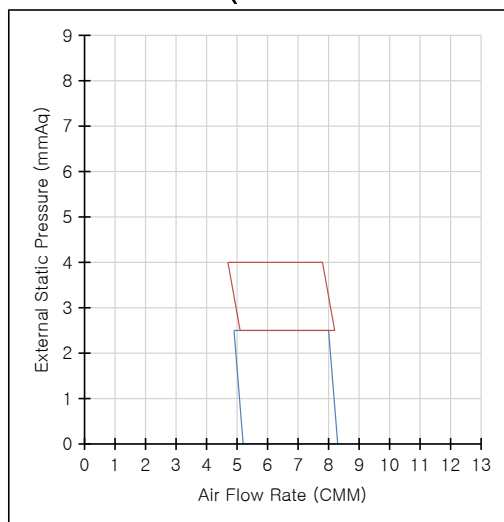
4) AC140HBMDKH/EU (ODU : AC140HCADKH/EU)



8 Recommended operation range

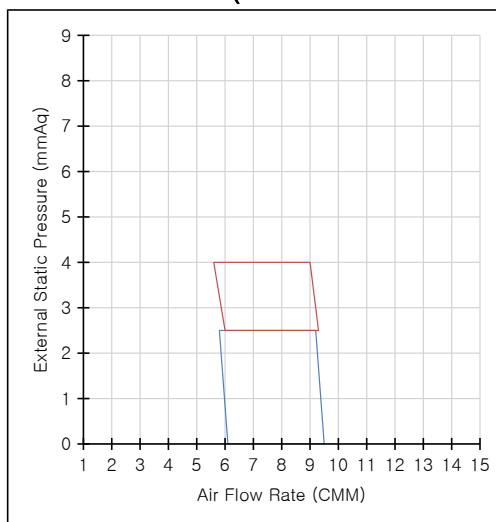
Duct S

1) AC026HBLDKH/EU (ODU : AC026HCADKH/EU)



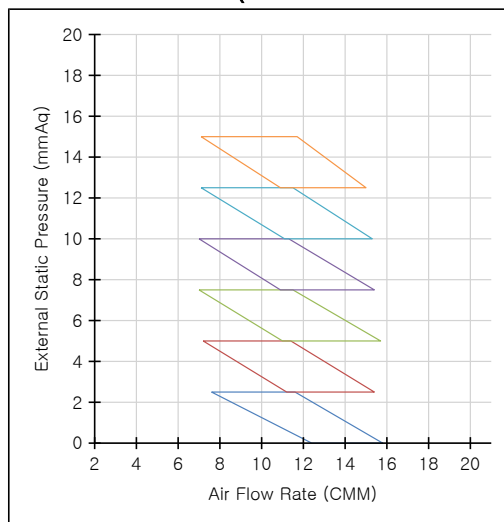
External Static Pressure (mmAq)	Option Code
0-2.5	01C06C-1C9914-271A21-370000
2.5-4	01C06C-1C9969-271A21-370000

2) AC035HBLDKH/EU (ODU : AC035HCADKH/EU)



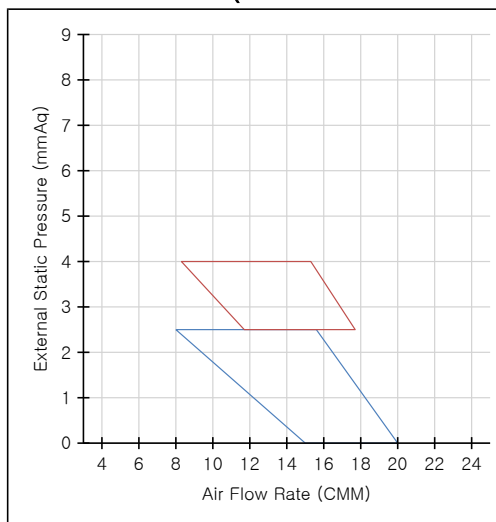
External Static Pressure (mmAq)	Option Code
0-2.5	01C06C-1C7936-272328-370000
2.5-4	01C06C-1C79AD-272328-370000

3) 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
12.5-15	01B06C-1C5A85-272328-374000

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



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

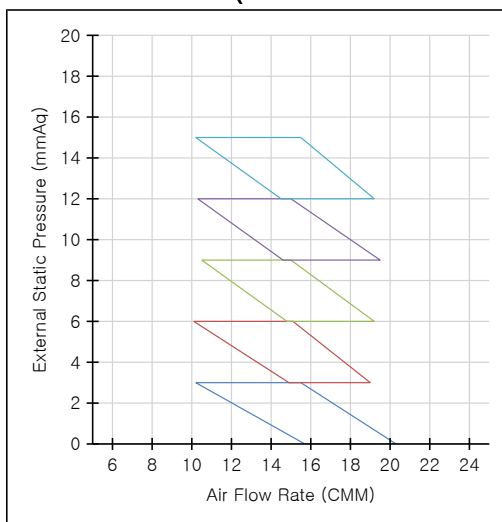
Note

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

8 Recommended operation range

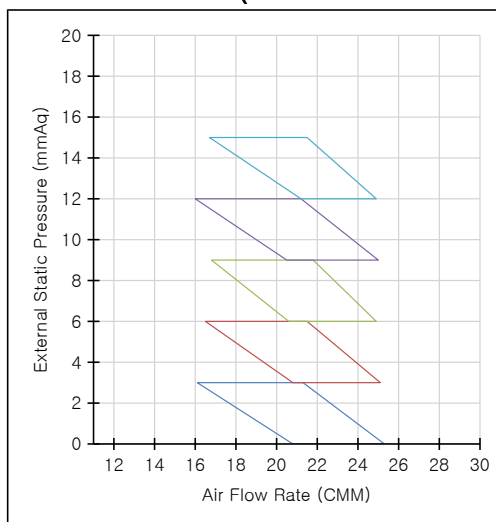
Duct S

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



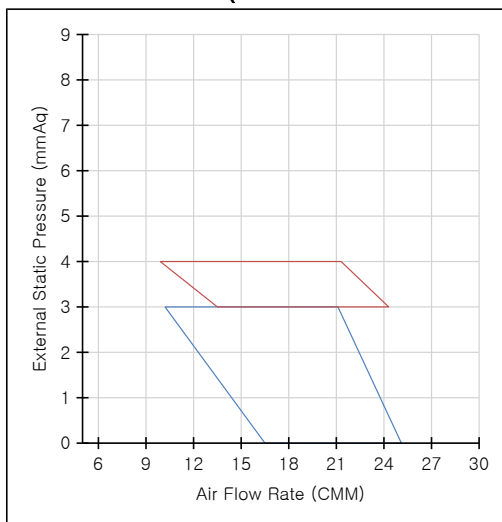
External Static Pressure (mmAq)	Option Code
0-3	01B06C-1C50E6-27343C-373000
3-6	01B06C-1C544D-27343C-373000
6-9	01B06C-1C55A4-27343C-373000
9-12	01B06C-1C591A-27343C-373000
12-15	01B06C-1C5A70-27343C-373000

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



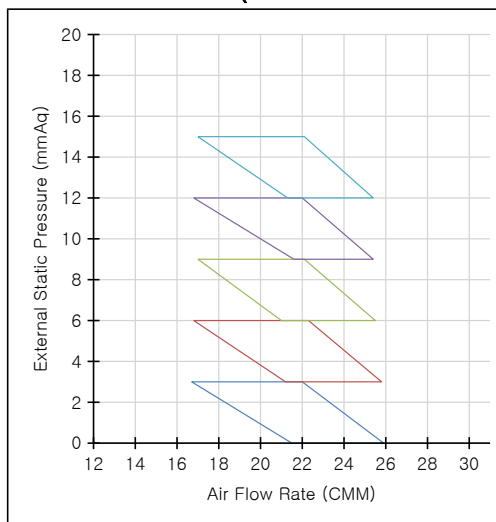
External Static Pressure (mmAq)	Option Code
0-3	01B06C-1C547F-273C46-372005
3-6	01B06C-1C55D5-273C46-372005
6-9	01B06C-1C592B-273C46-372005
9-12	01B06C-1C5A71-273C46-372005
12-15	01B06C-1C5AC8-273C46-372005

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



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

8) 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

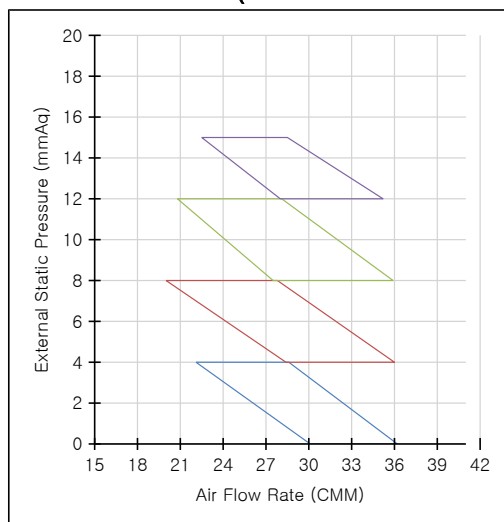
Note

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

8 Recommended operation range

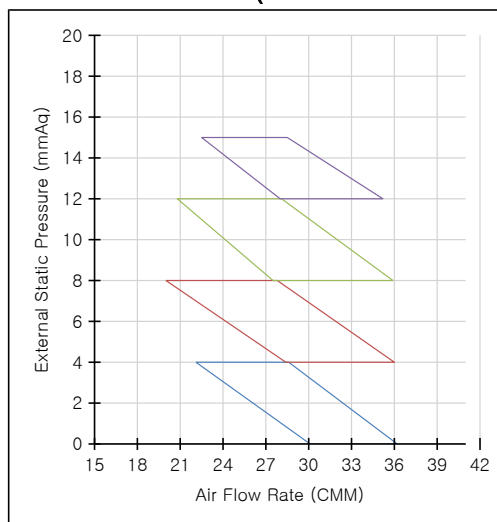
Duct S

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



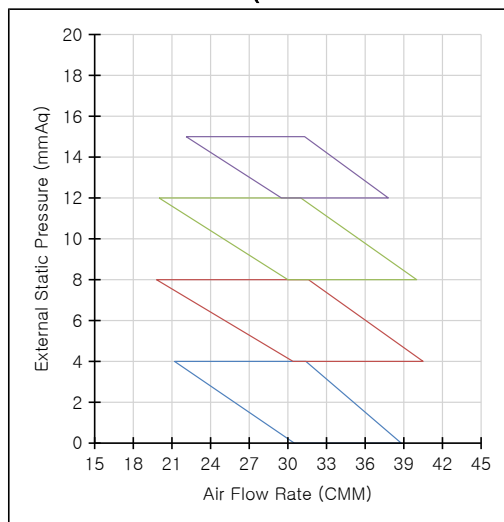
External Static Pressure (mmAq)	Option Code
0-4	01B06C-1C546F-275A64-372020
4-8	01B06C-1C55E8-275A64-372020
8-12	01B06C-1C5A61-275A64-372020
12-15	01B06C-1C5AC8-275A64-372020

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



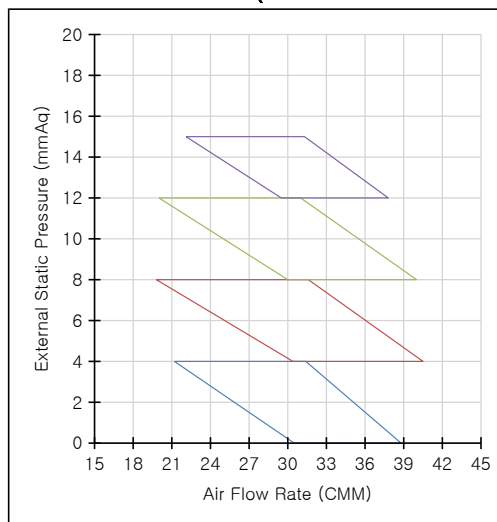
External Static Pressure (mmAq)	Option Code
0-4	01B06C-1C546F-275A64-372020
4-8	01B06C-1C55E8-275A64-372020
8-12	01B06C-1C5A61-275A64-372020
12-15	01B06C-1C5AC8-275A64-372020

11) 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

12) 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

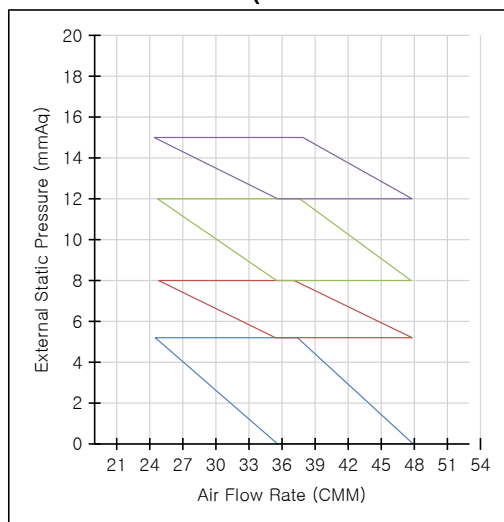
Note

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

8 Recommended operation range

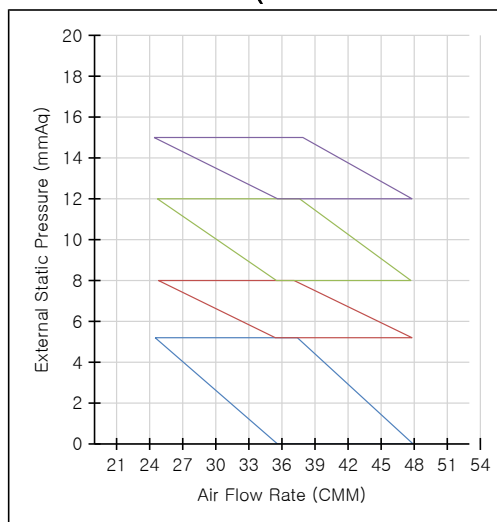
Duct S

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



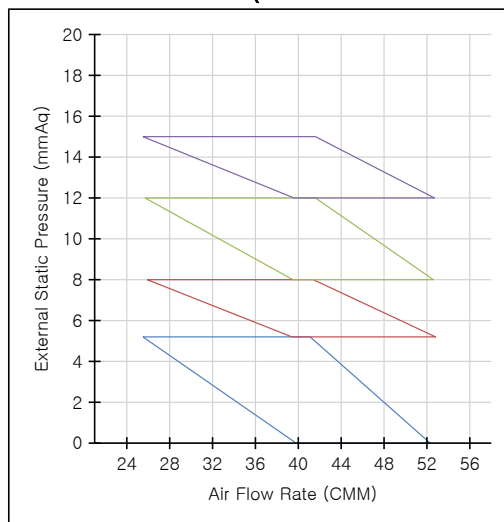
External Static Pressure (mmAq)	Option Code
0~5.2	01B06C-1C542C-277882-372045
5.2~8	01B06C-1C5572-277882-372045
8~12	01B06C-1C55EA-277882-372045
12~15	01B06C-1C592E-277882-372045

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



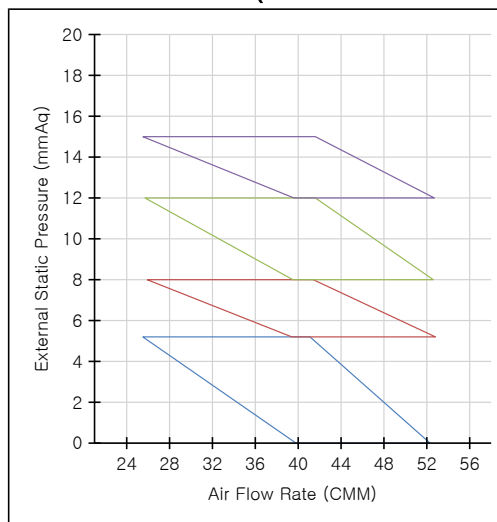
External Static Pressure (mmAq)	Option Code
0~5.2	01B06C-1C542C-277882-372045
5.2~8	01B06C-1C5572-277882-372045
8~12	01B06C-1C55EA-277882-372045
12~15	01B06C-1C592E-277882-372045

15) 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

16) 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

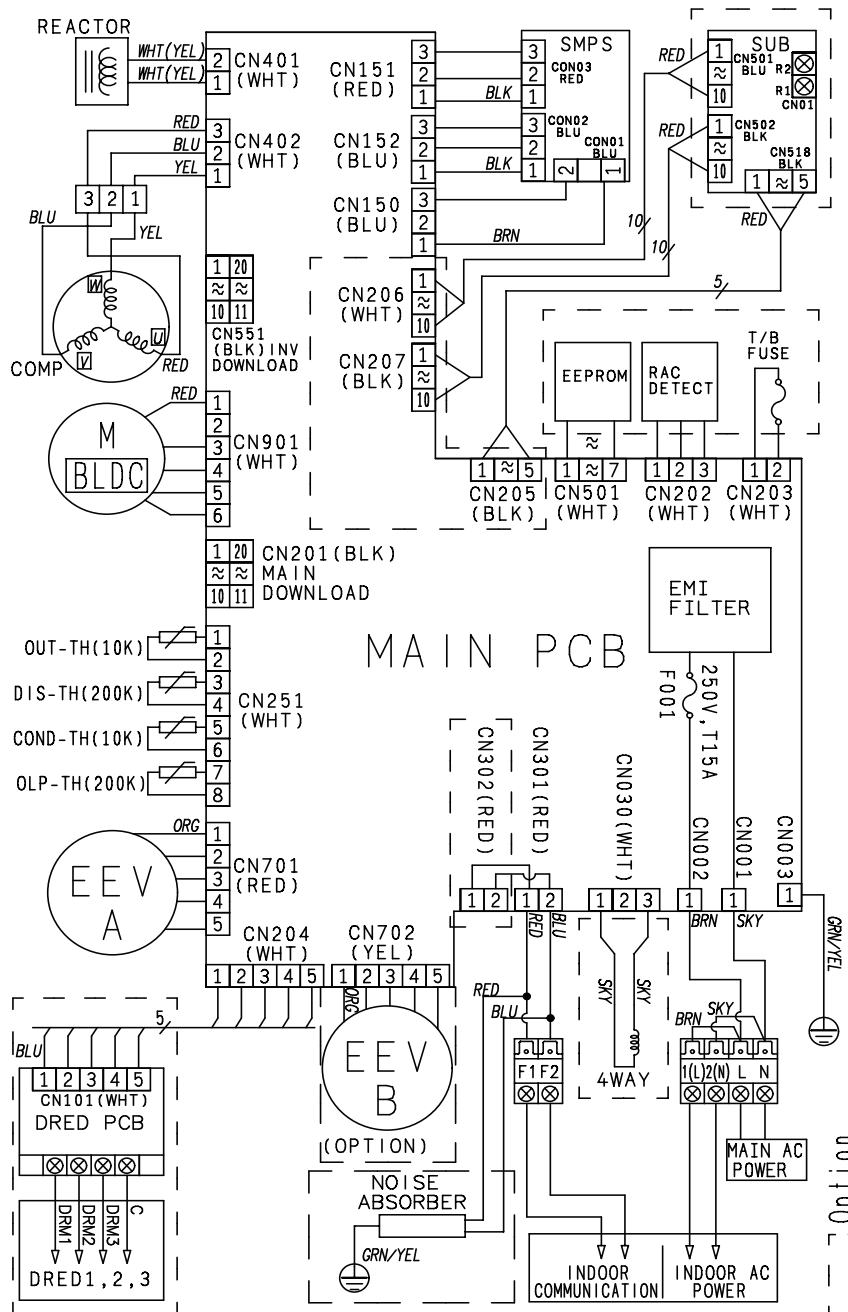
Note

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

9 Electrical wiring diagram

Outdoor

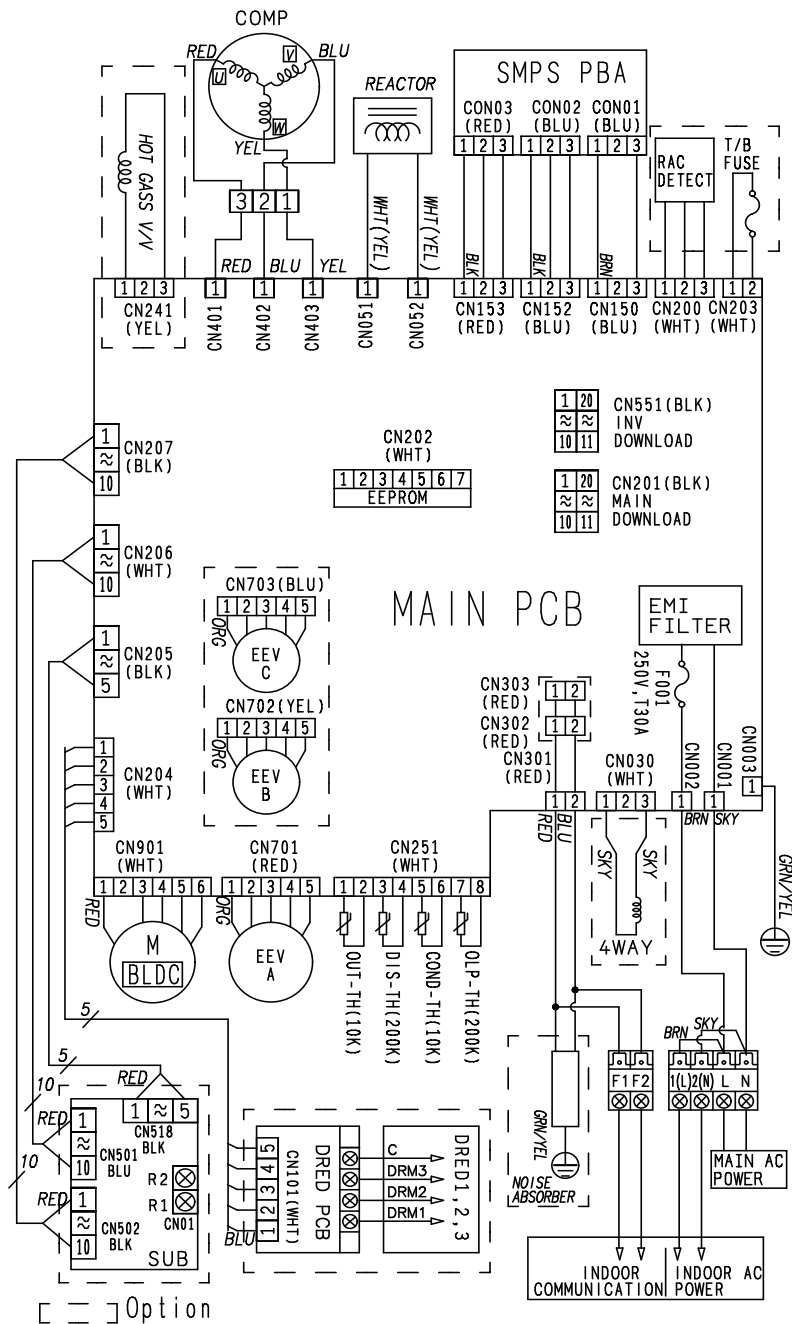
AC026HCADKH/EU, AC035HCADKH/EU



9 Electrical wiring diagram

Outdoor

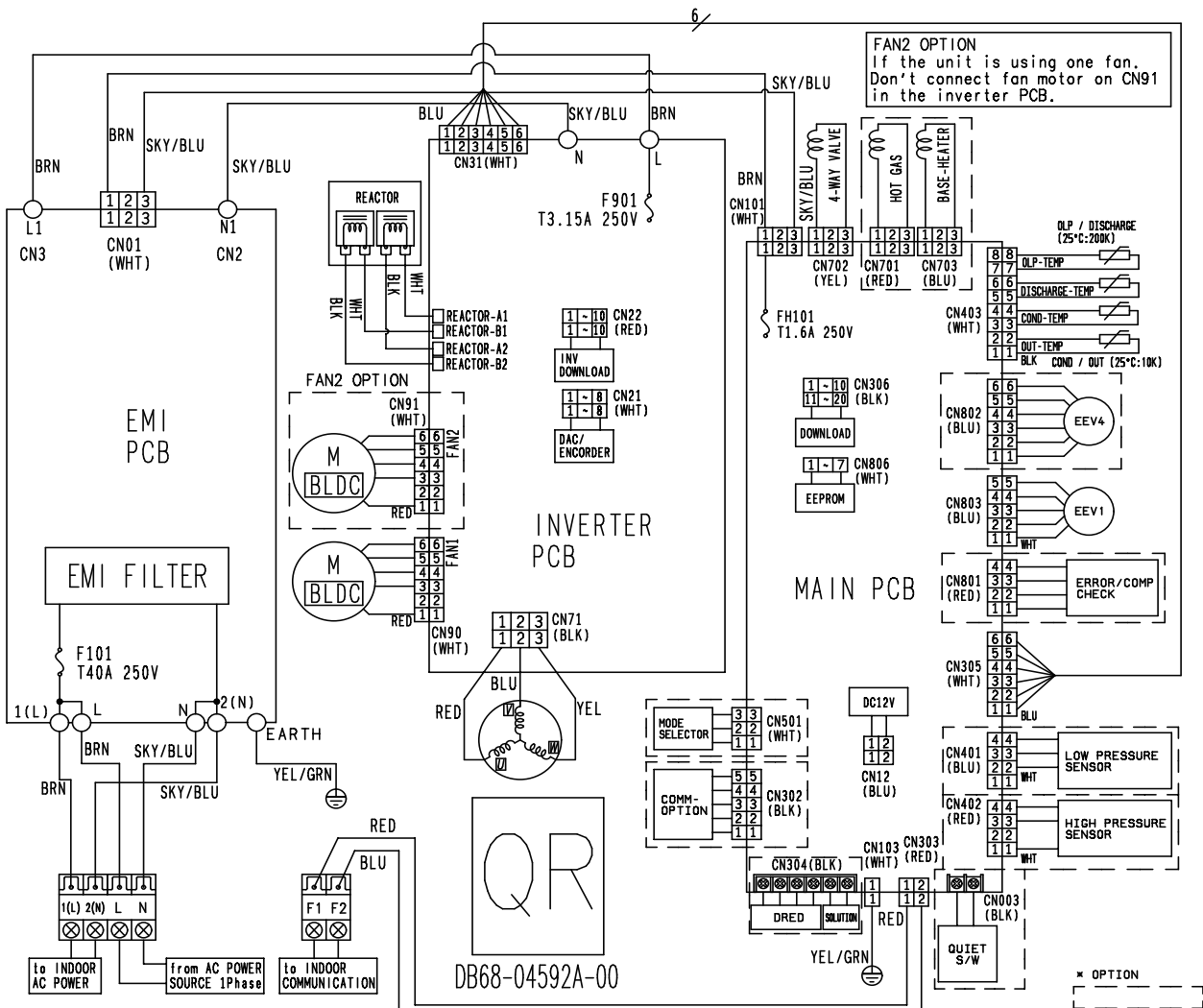
AC052HCADKH/EU, AC060HCADKH/EU, AC071HCADKH/EU



9 Electrical wiring diagram

Outdoor

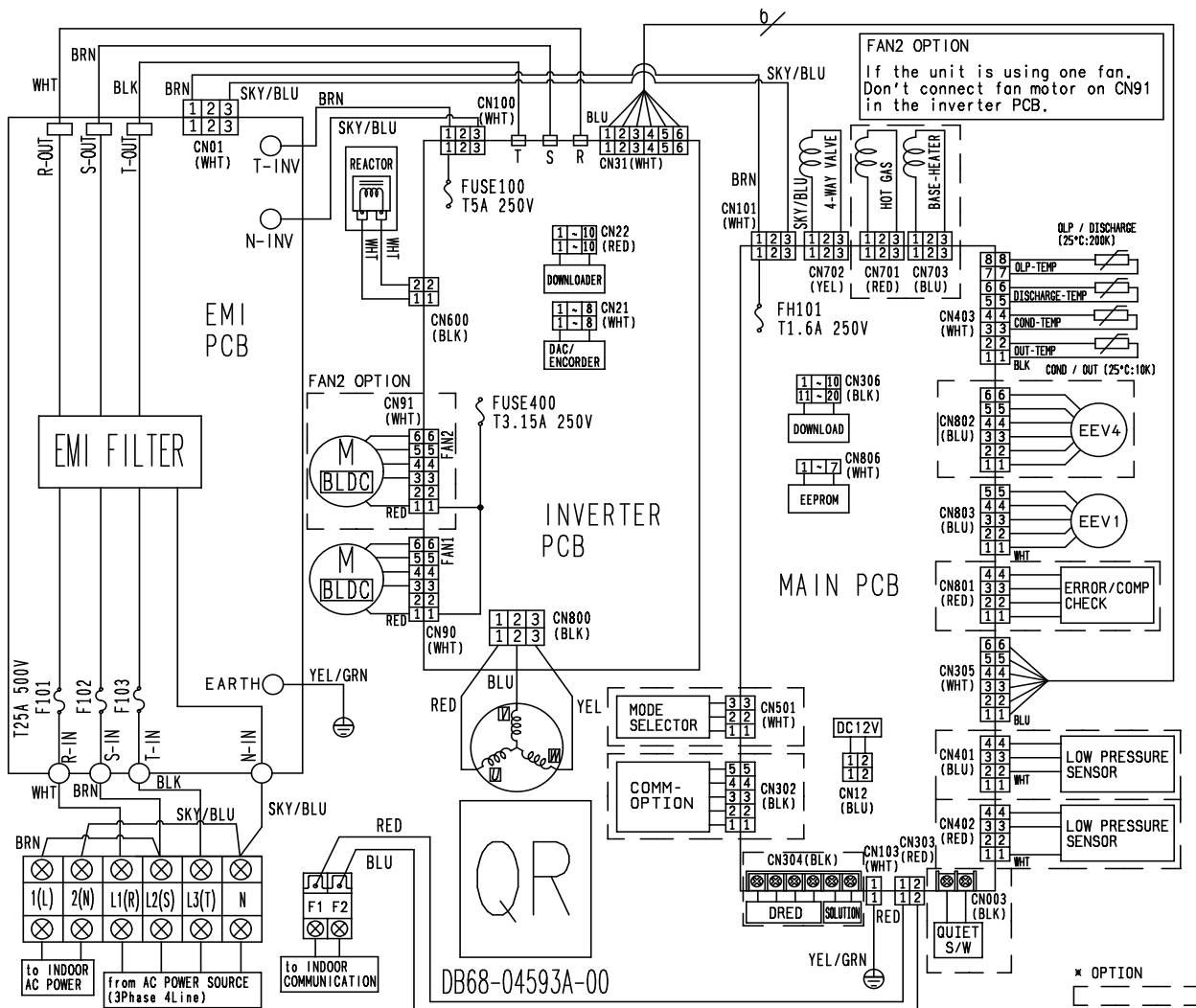
AC090HCADKH/EU, AC100HCADKH/EU, AC120HCADKH/EU, AC140HCADKH/EU



9 Electrical wiring diagram

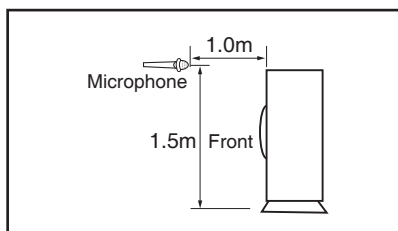
Outdoor

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



10 Sound pressure level

Outdoor



Unit: dB(A)

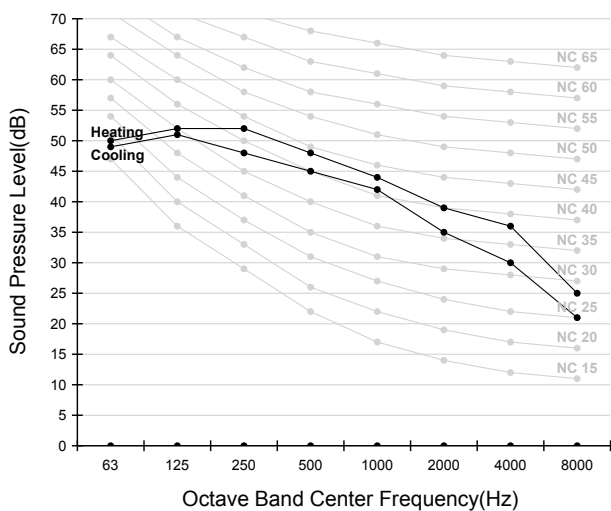
Model	Cooling	Heating
AC026HCADKH/EU (IDU : AC026HBLDKH/EU)	46.0	47.0
AC035HCADKH/EU (IDU : AC035HBLDKH/EU)	47.0	47.0
AC035HCADKH/EU (IDU : AC035HBMDKH/EU)	47.0	47.0
AC052HCADKH/EU (IDU : AC052HBLDKH/EU)	48.0	48.0

Note

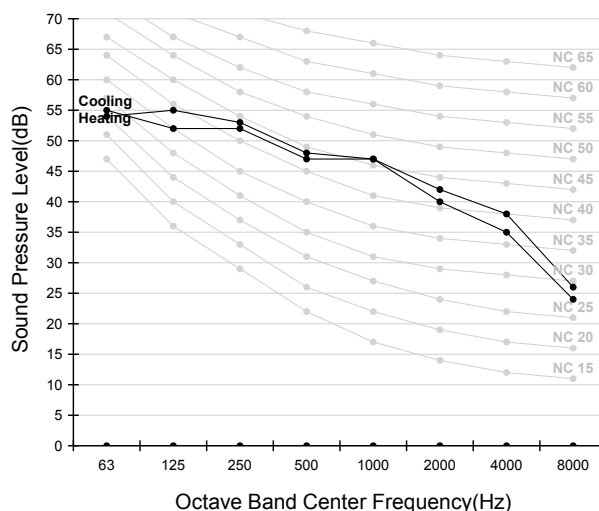
- These operation values were obtained in an anechoic room. Sound pressure level will vary depending on a range of factors such as the construction of the particular room where the equipment is installed.
- Operation sound level may differ depending on operation and ambient conditions.

NC curve

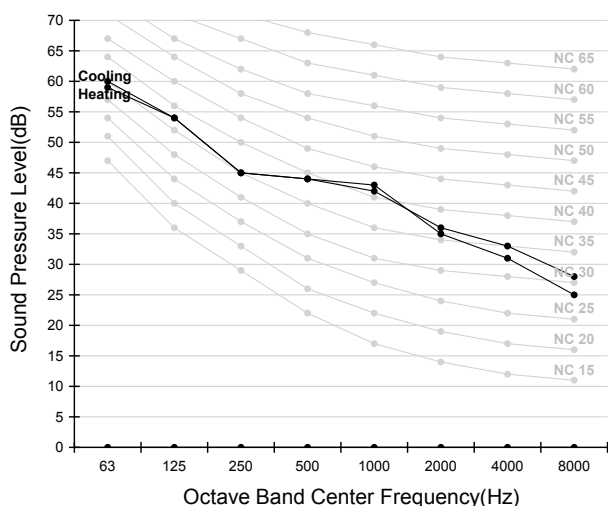
1) AC026HCADKH/EU (IDU : AC026HBLDKH/EU)



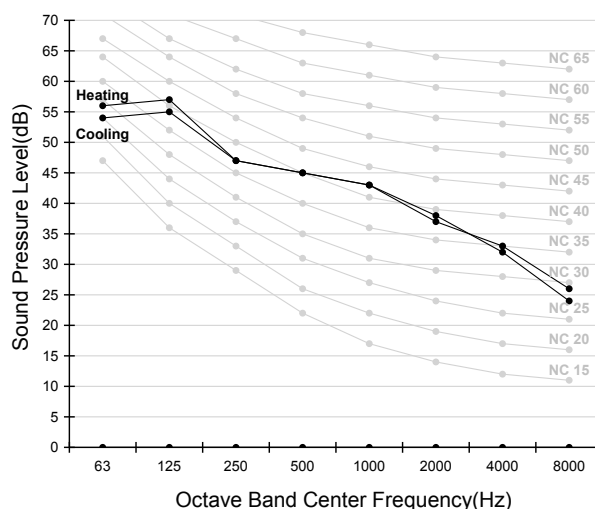
2) AC035HCADKH/EU (IDU : AC035HBLDKH/EU)



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

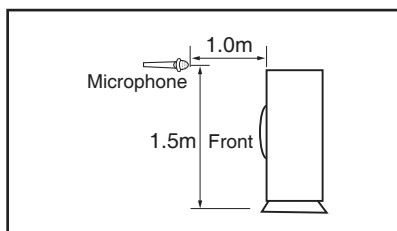


4) AC052HCADKH/EU (IDU : AC052HBLDKH/EU)



10 Sound pressure level

Outdoor



Unit: dB(A)

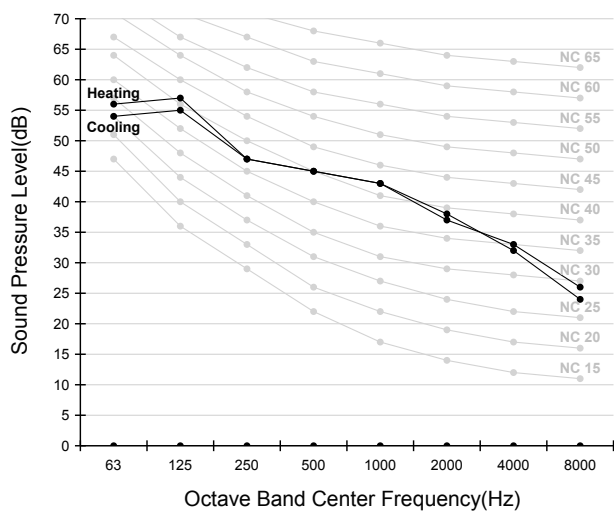
Model	Cooling	Heating
AC052HCADKH/EU (IDU : AC052HBMDKH/EU)	48.0	48.0
AC060HCADKH/EU (IDU : AC060HBMDKH/EU)	49.0	50.0
AC071HCADKH/EU (IDU : AC071HBLDKH/EU)	49.0	51.0
AC071HCADKH/EU (IDU : AC071HBMDKH/EU)	49.0	51.0

Note

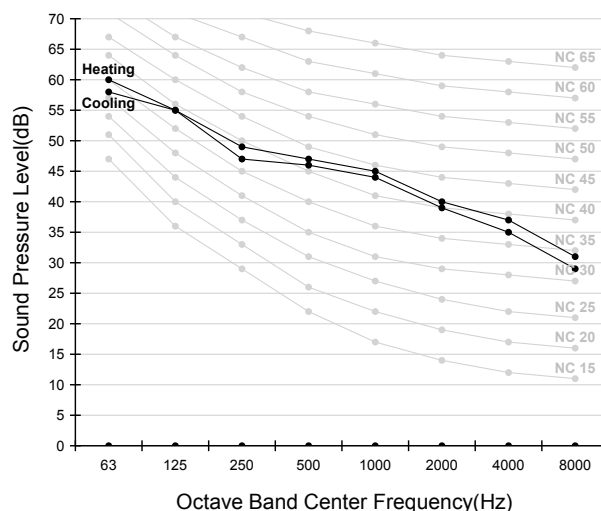
- These operation values were obtained in an anechoic room. Sound pressure level will vary depending on a range of factors such as the construction of the particular room where the equipment is installed.
- Operation sound level may differ depending on operation and ambient conditions.

NC curve

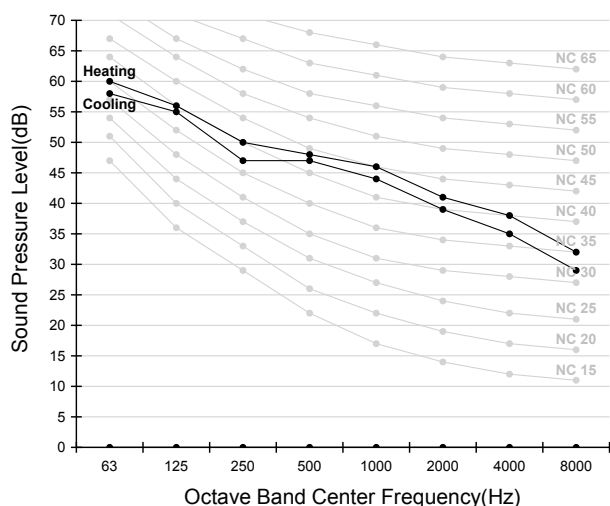
1) AC052HCADKH/EU (IDU : AC052HBMDKH/EU)



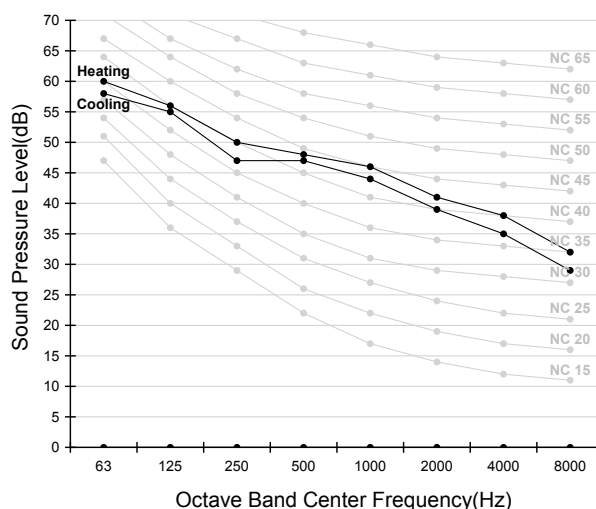
2) AC060HCADKH/EU (IDU : AC060HBMDKH/EU)



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

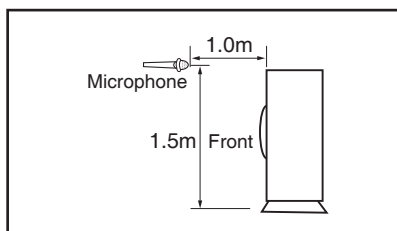


4) AC071HCADKH/EU (IDU : AC071HBMDKH/EU)



10 Sound pressure level

Outdoor



Unit: dB(A)

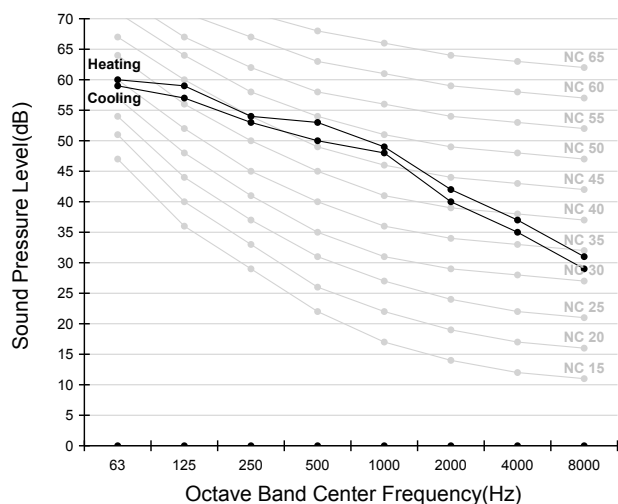
Model	Cooling	Heating
AC090HCADKH/EU (IDU : AC090HBMDKH/EU)	52.0	54.0
AC090HCADNH/EU (IDU : AC090HBMDKH/EU)	52.0	54.0
AC100HCADNH/EU (IDU : AC100HBMDKH/EU)	52.0	54.0
AC100HCADKH/EU (IDU : AC100HBMDKH/EU)	52.0	54.0

Note

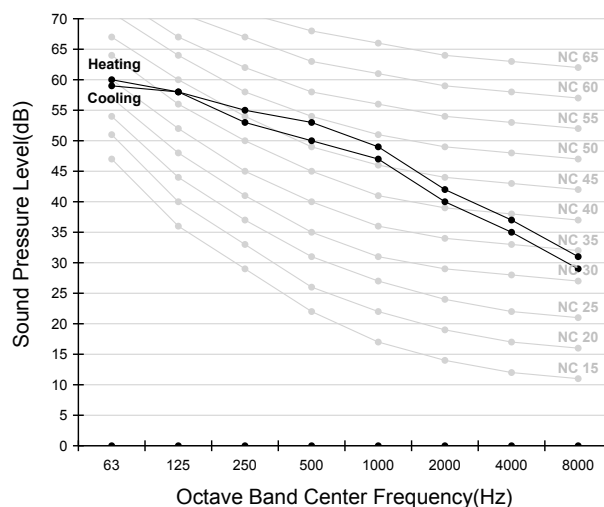
- These operation values were obtained in an anechoic room. Sound pressure level will vary depending on a range of factors such as the construction of the particular room where the equipment is installed.
- Operation sound level may differ depending on operation and ambient conditions.

NC curve

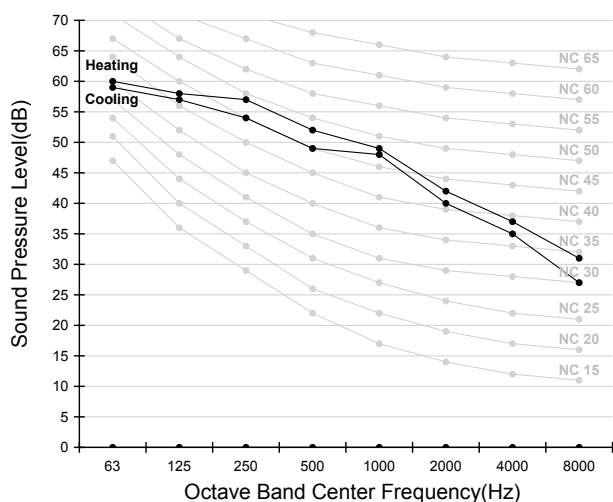
1) AC090HCADKH/EU (IDU : AC090HBMDKH/EU)



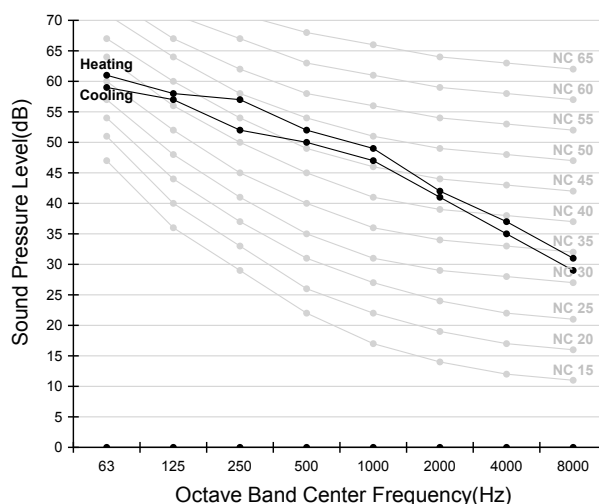
2) AC090HCADNH/EU (IDU : AC090HBMDKH/EU)



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

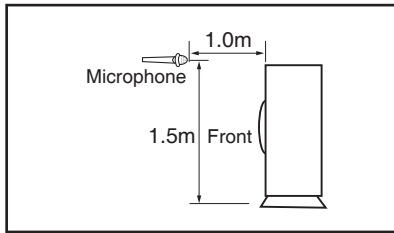


4) AC100HCADKH/EU (IDU : AC100HBMDKH/EU)



10 Sound pressure level

Outdoor



Unit: dB(A)

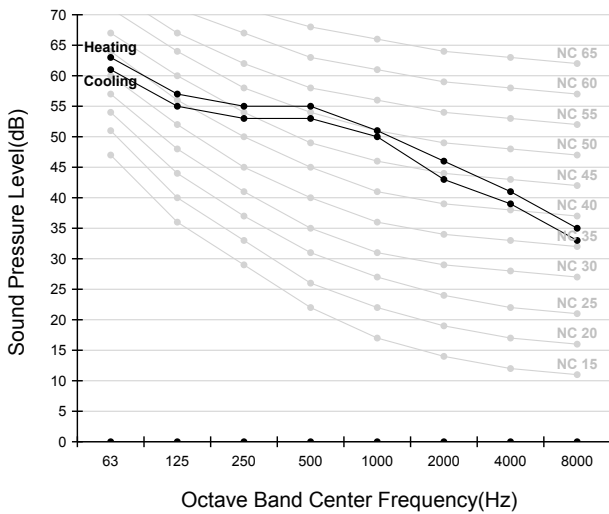
Model	Cooling	Heating
AC120HCADNH/EU (IDU : AC120HBMDKH/EU)	54.0	56.0
AC120HCADKH/EU (IDU : AC120HBMDKH/EU)	54.0	58.0
AC140HCADNH/EU (IDU : AC140HBMDKH/EU)	53.0	54.0
AC140HCADKH/EU (IDU : AC140HBMDKH/EU)	53.0	54.0

Note

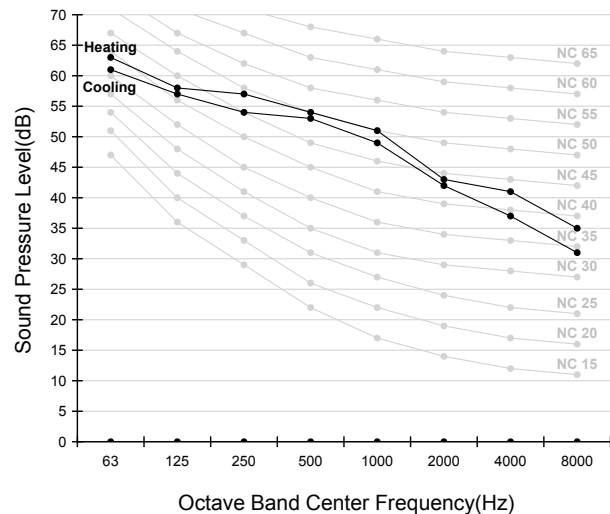
- These operation values were obtained in an anechoic room. Sound pressure level will vary depending on a range of factors such as the construction of the particular room where the equipment is installed.
- Operation sound level may differ depending on operation and ambient conditions.

NC curve

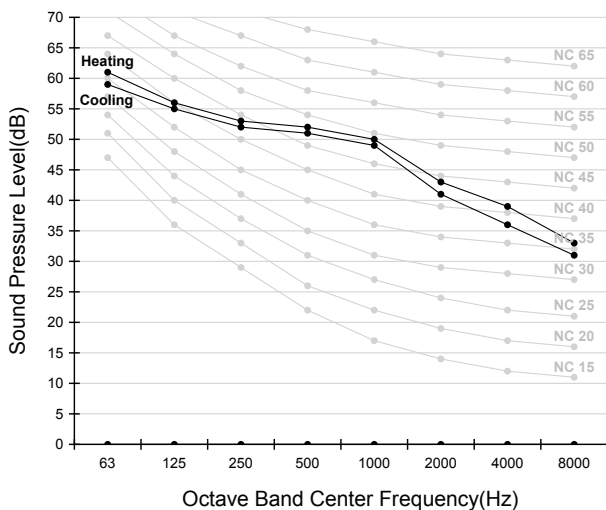
1) AC120HCADNH/EU (IDU : AC120HBMDKH/EU)



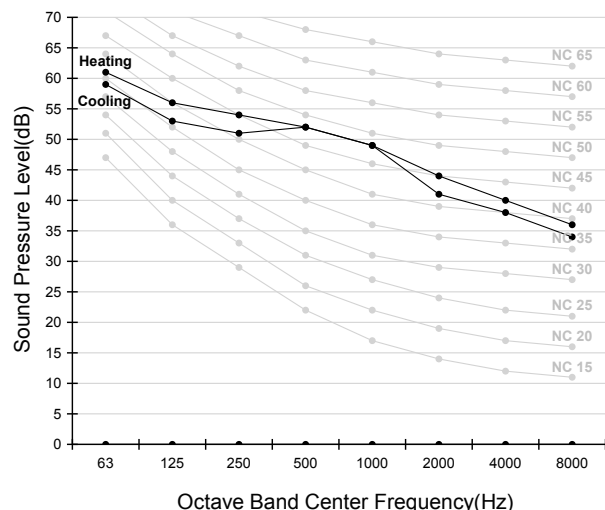
2) AC120HCADKH/EU (IDU : AC120HBMDKH/EU)



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



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



11 Sound power level

Outdoor

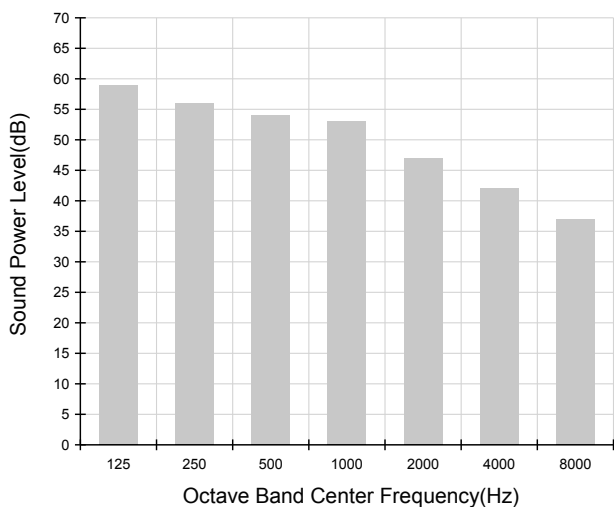
Note

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

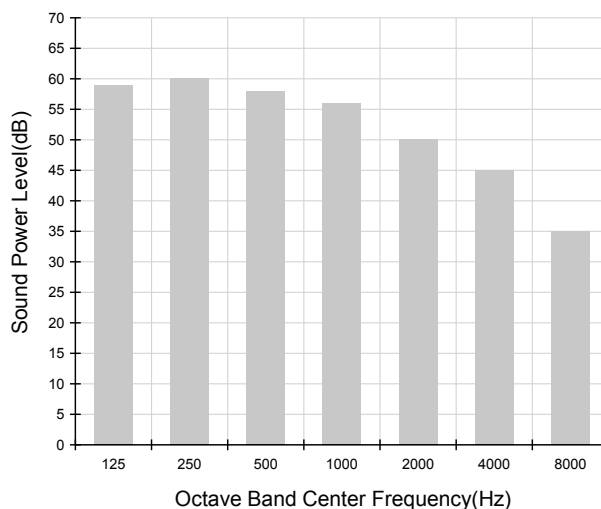
Unit: dB(A)

Model	Power
AC026HCADKH/EU (IDU : AC026HBLDKH/EU)	63.0
AC035HCADKH/EU (IDU : AC035HBLDKH/EU)	63.0
AC035HCADKH/EU (IDU : AC035HBMDKH/EU)	63.0
AC052HCADKH/EU (IDU : AC052HBLDKH/EU)	63.0

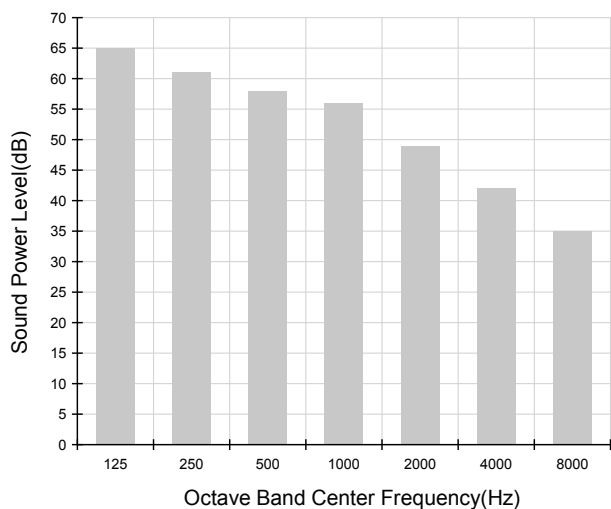
1) AC026HCADKH/EU (IDU : AC026HBLDKH/EU)



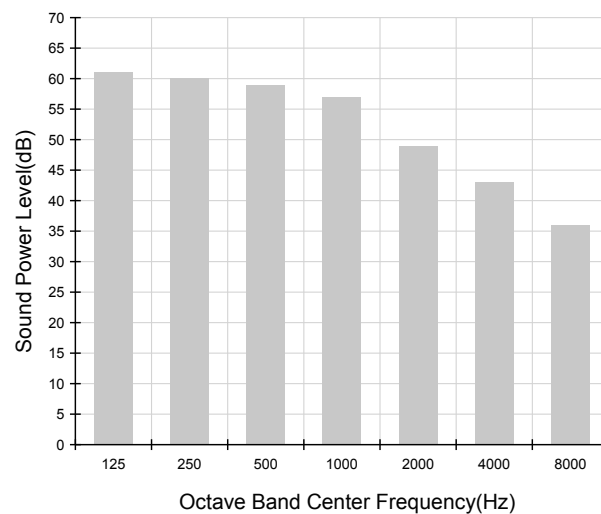
2) AC035HCADKH/EU (IDU : AC035HBLDKH/EU)



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



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



11 Sound power level

Outdoor

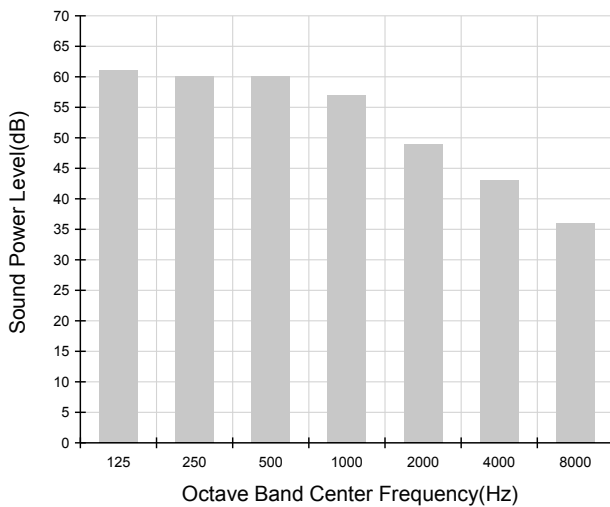
Note

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

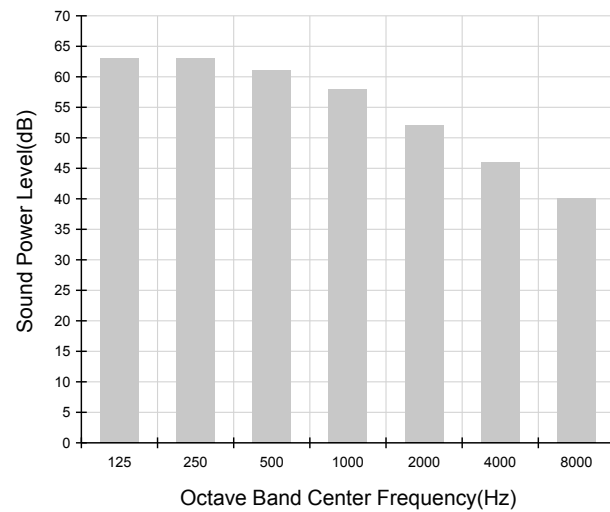
Unit: dB(A)

Model	Power
AC052HCADKH/EU (IDU : AC052HBMDKH/EU)	63.0
AC060HCADKH/EU (IDU : AC060HBMDKH/EU)	64.0
AC071HCADKH/EU (IDU : AC071HBLDKH/EU)	65.0
AC071HCADKH/EU (IDU : AC071HBMDKH/EU)	65.0

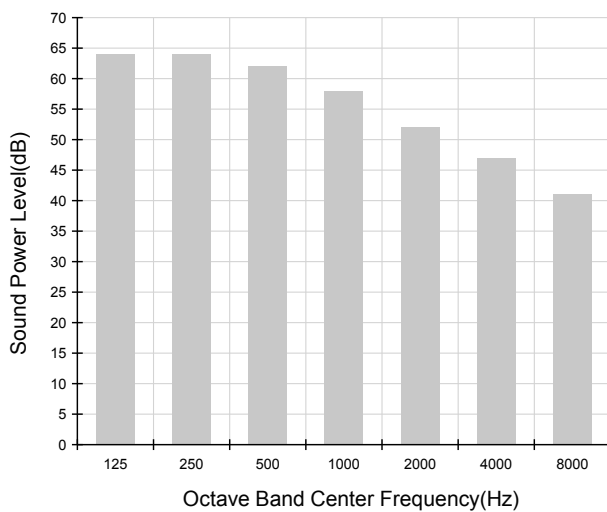
1) AC052HCADKH/EU (IDU : AC052HBMDKH/EU)



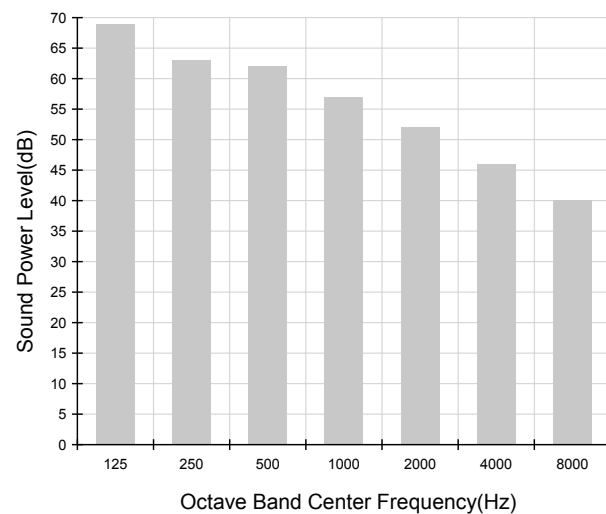
2) AC060HCADKH/EU (IDU : AC060HBMDKH/EU)



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



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



11 Sound power level

Outdoor

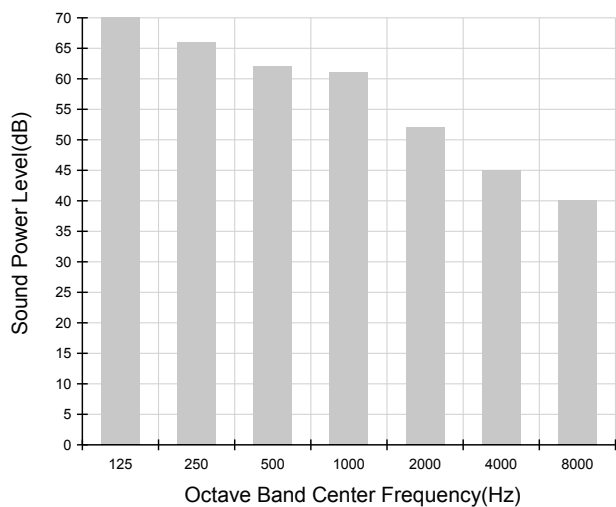
Note

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

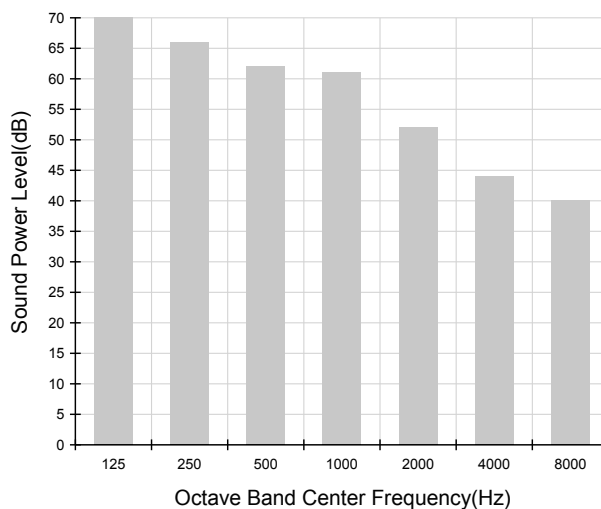
Unit: dB(A)

Model	Power
AC090HCADKH/EU (IDU : AC090HBMDKH/EU)	68.0
AC090HCADNH/EU (IDU : AC090HBMDKH/EU)	68.0
AC100HCADNH/EU (IDU : AC100HBMDKH/EU)	69.0
AC100HCADKH/EU (IDU : AC100HBMDKH/EU)	69.0

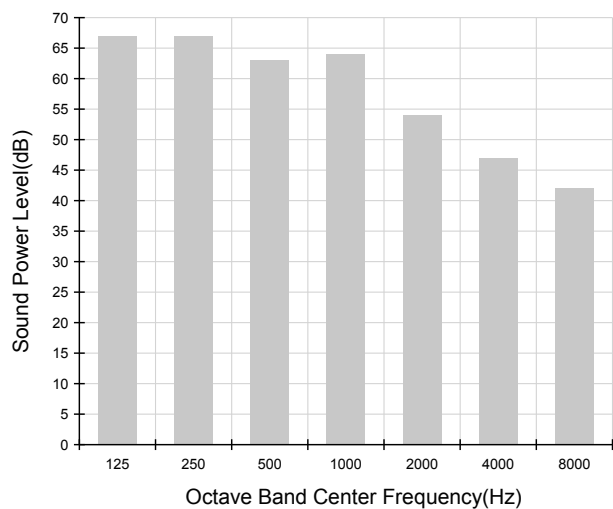
1) AC090HCADKH/EU (IDU : AC090HBMDKH/EU)



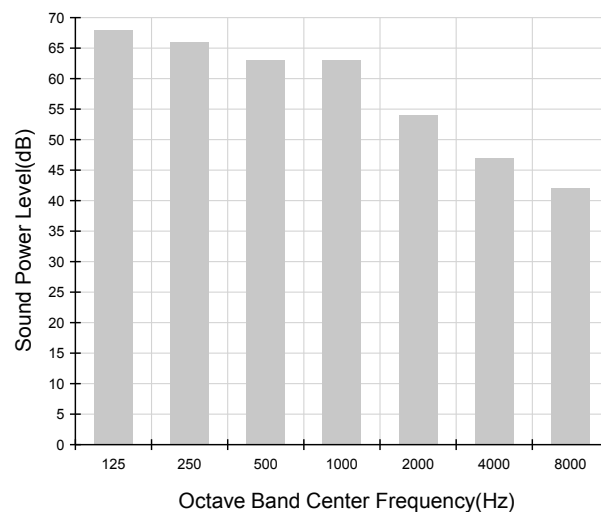
2) AC090HCADNH/EU (IDU : AC090HBMDKH/EU)



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



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



11 Sound power level

Outdoor

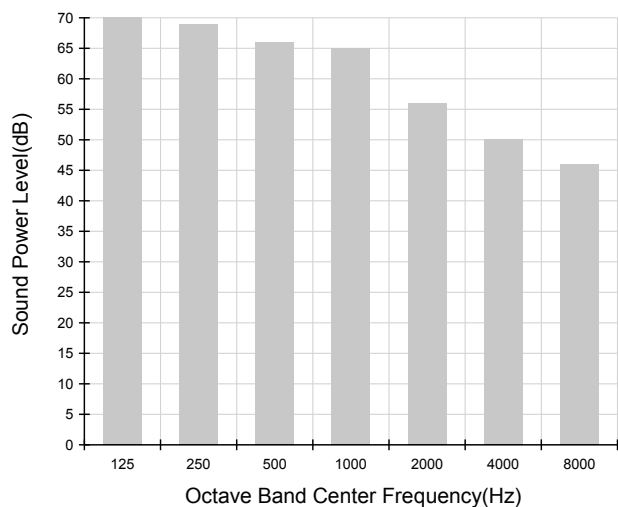
Note

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

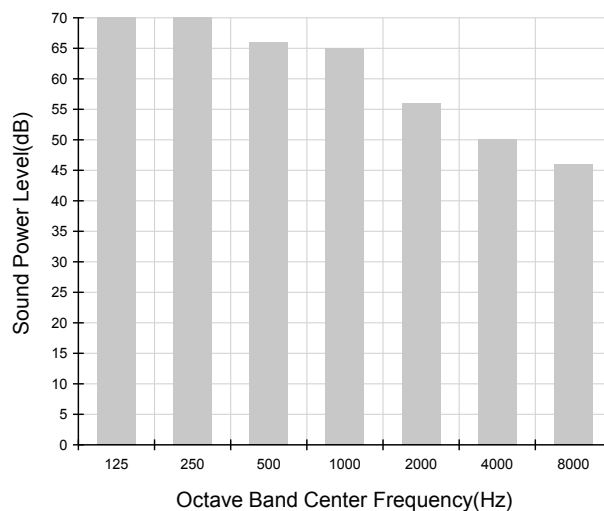
Unit: dB(A)

Model	Power
AC120HCADNH/EU (IDU : AC120HBMDKH/EU)	70.0
AC120HCADKH/EU (IDU : AC120HBMDKH/EU)	70.0
AC140HCADNH/EU (IDU : AC140HBMDKH/EU)	70.0
AC140HCADKH/EU (IDU : AC140HBMDKH/EU)	70.0

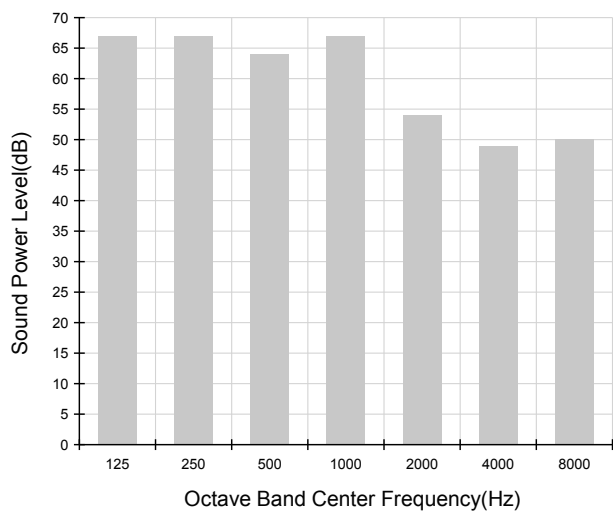
1) AC120HCADNH/EU (IDU : AC120HBMDKH/EU)



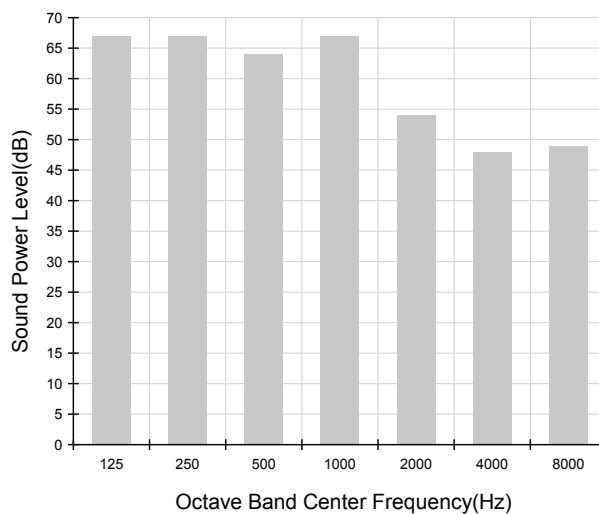
2) AC120HCADKH/EU (IDU : AC120HBMDKH/EU)



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



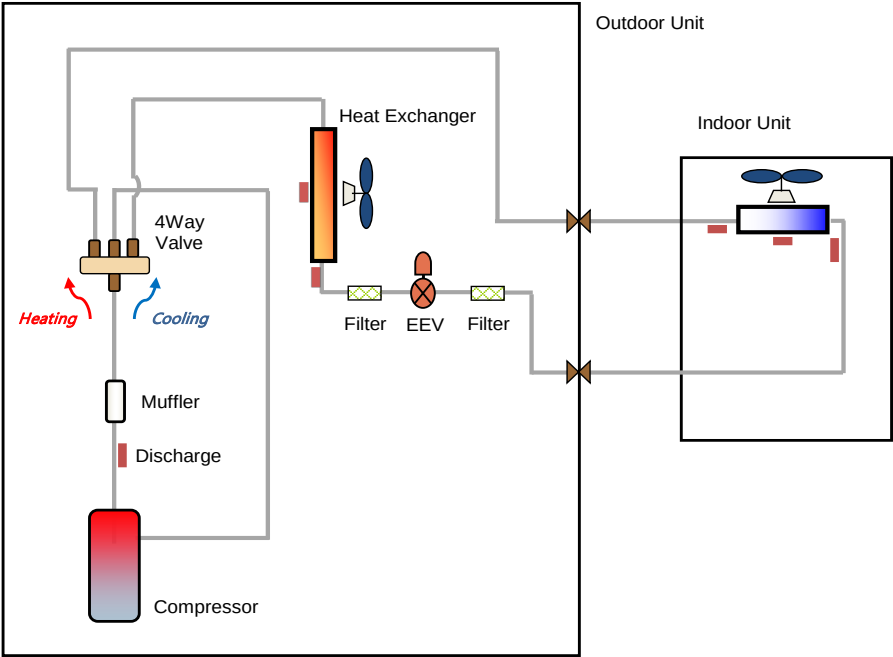
4) AC140HCADKH/EU (IDU : AC140HBMDKH/EU)



12 Cycle diagram

Outdoor

AC026HCADKH/EU, AC035HCADKH/EU

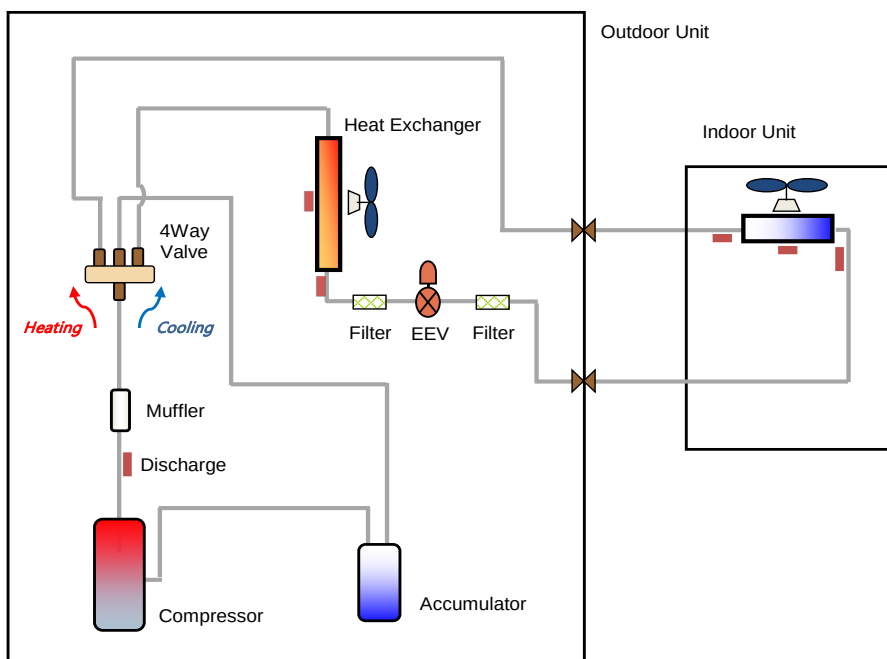


Category		Symbol	Description
Compressor			Rotary Inveter Compressor
Heat Exchanger			Condensing/Evaporating unit(FMC)
Filter			Filter
Valve	Expansion		Electronic Expansion Valve(EEV)
	Reversing		4 Way valve (Reversing valve)
	Service		Service valve
Senser	Temperature		Pip/Air Temperature sensor

12 Cycle diagram

Outdoor

AC052HCADKH/EU, AC060HCADKH/EU, AC071HCADKH/EU

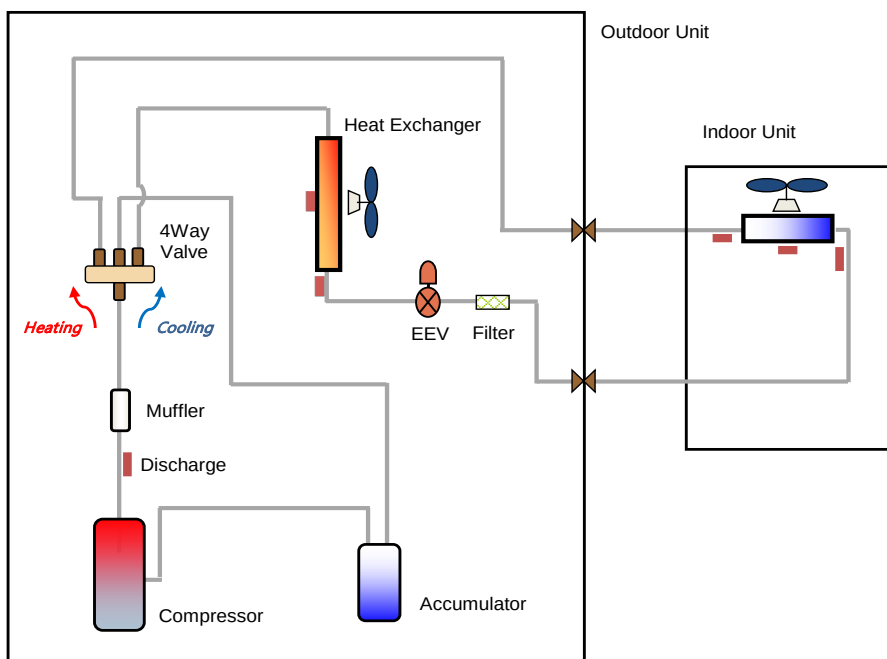


Category		Symbol	Description
Compressor			Rotary Inverter Compressor
Heat Exchanger			Condensing/Evaporating unit(FMC)
Accumulator			Accumulator
Filter			Filter
Valve	Expansion		Electronic Expansion Valve(EEV)
	Reversing		4 Way valve (Reversing valve)
	Service		Service valve
Senser	Temperature		Pip/Air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

AC026HCADKH/EU, AC035HCADKH/EU

Units : mm / inches

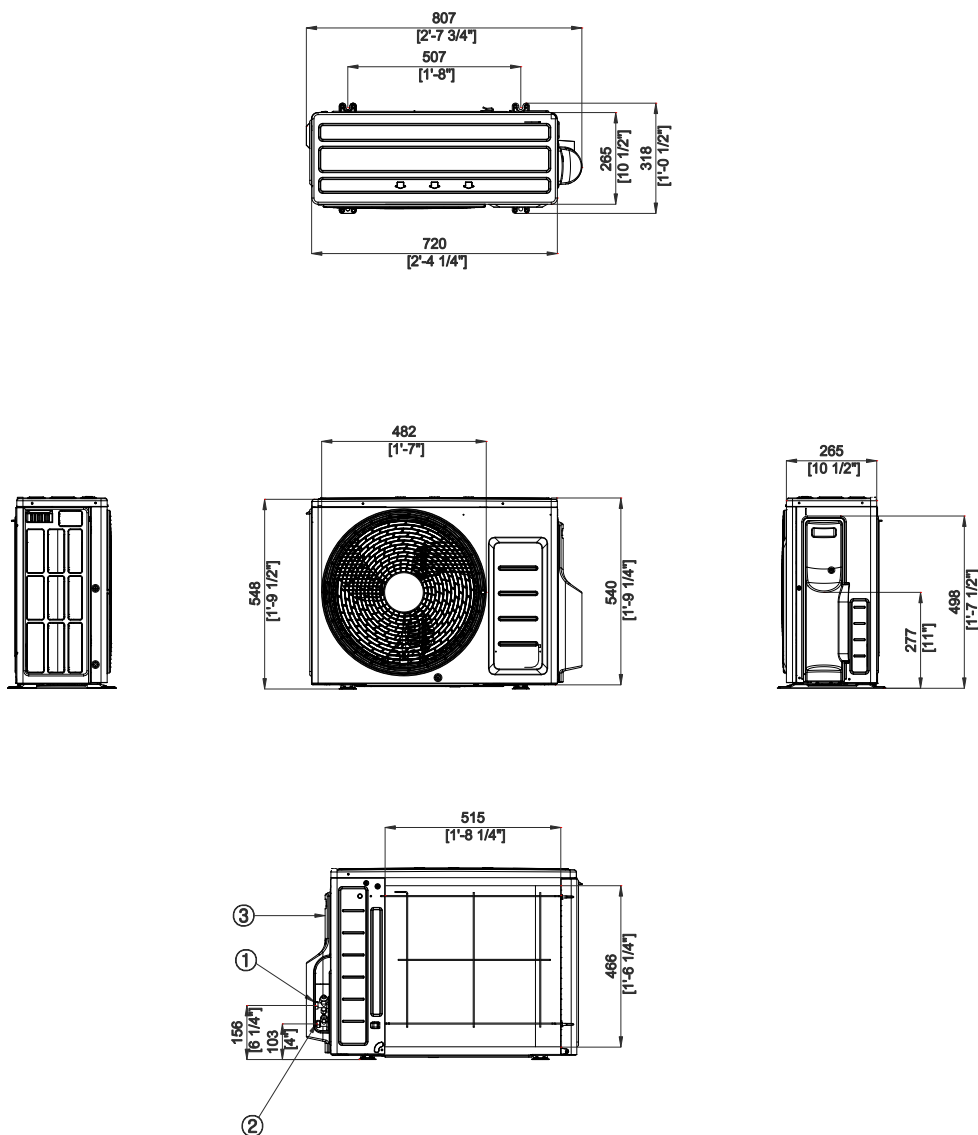


Table of descriptions

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

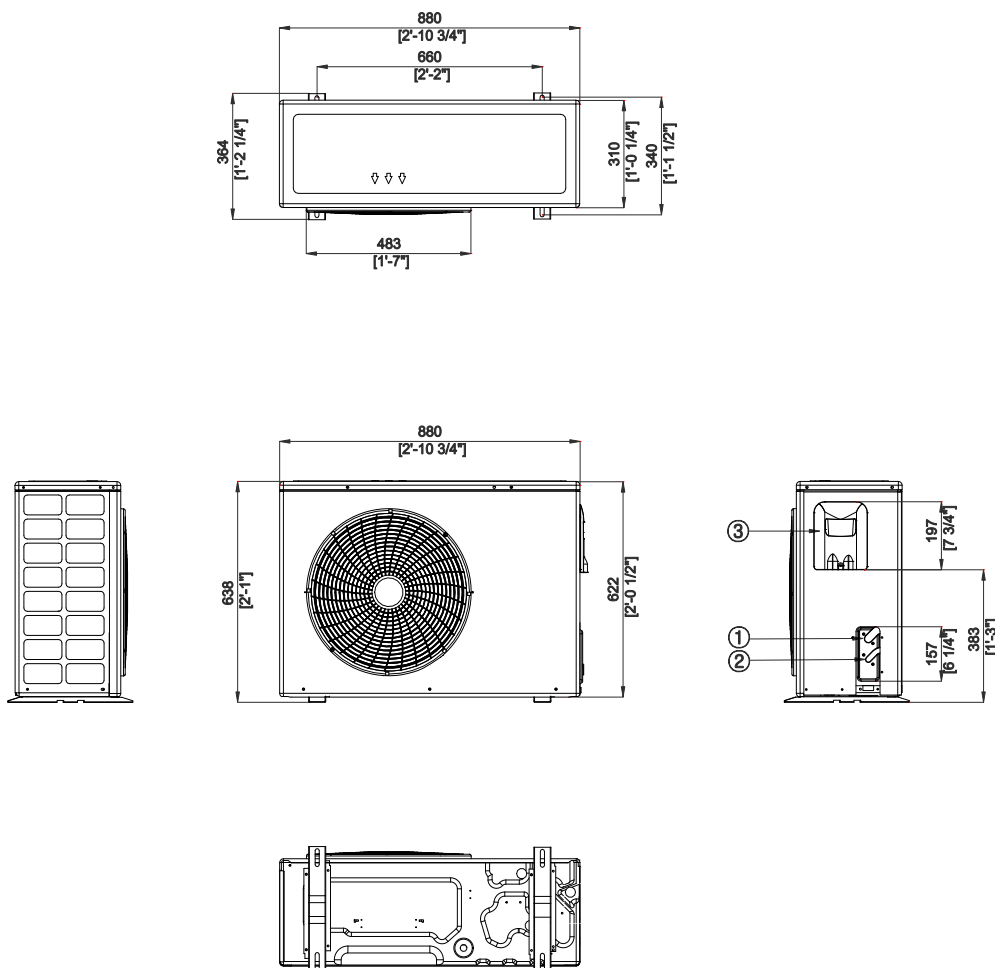


Table of descriptions

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

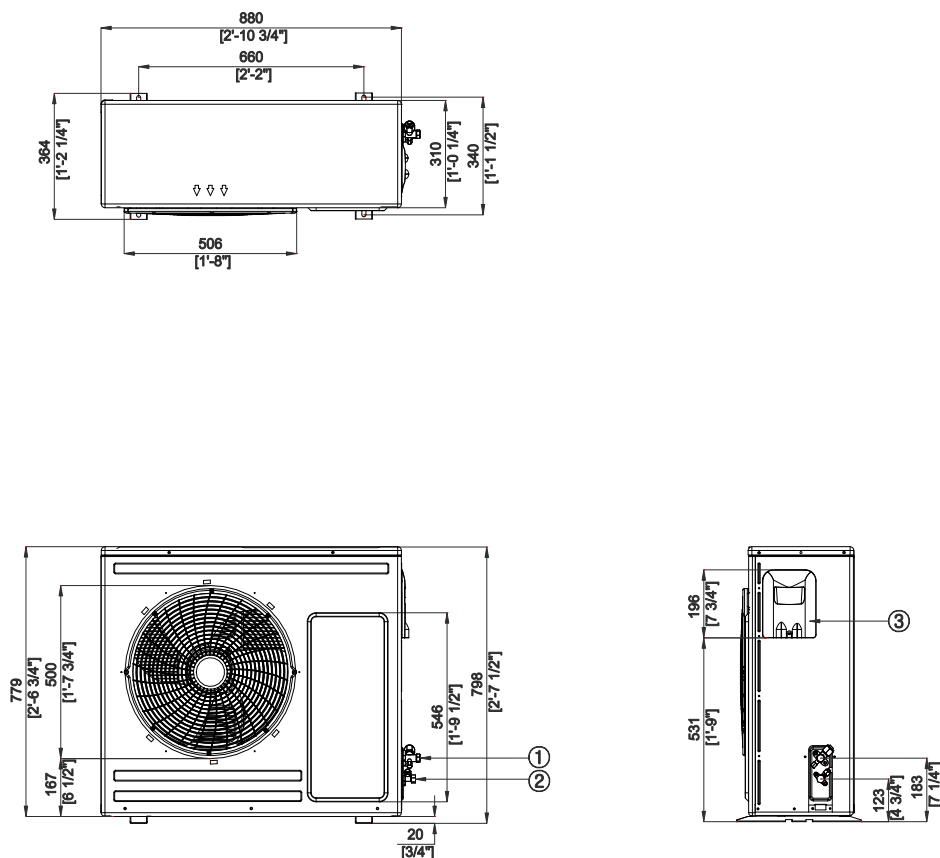


Table of descriptions

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

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

Units : mm / inches

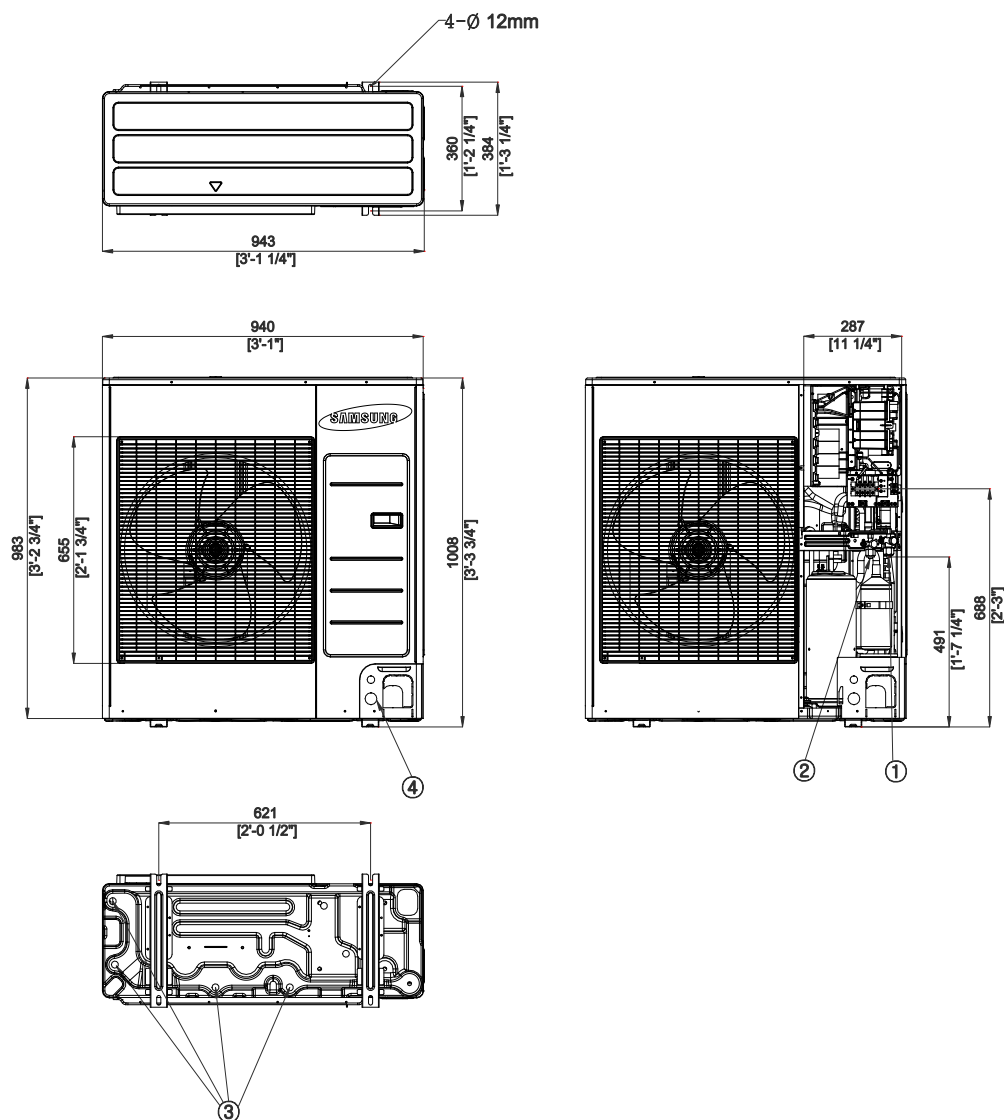


Table of descriptions

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

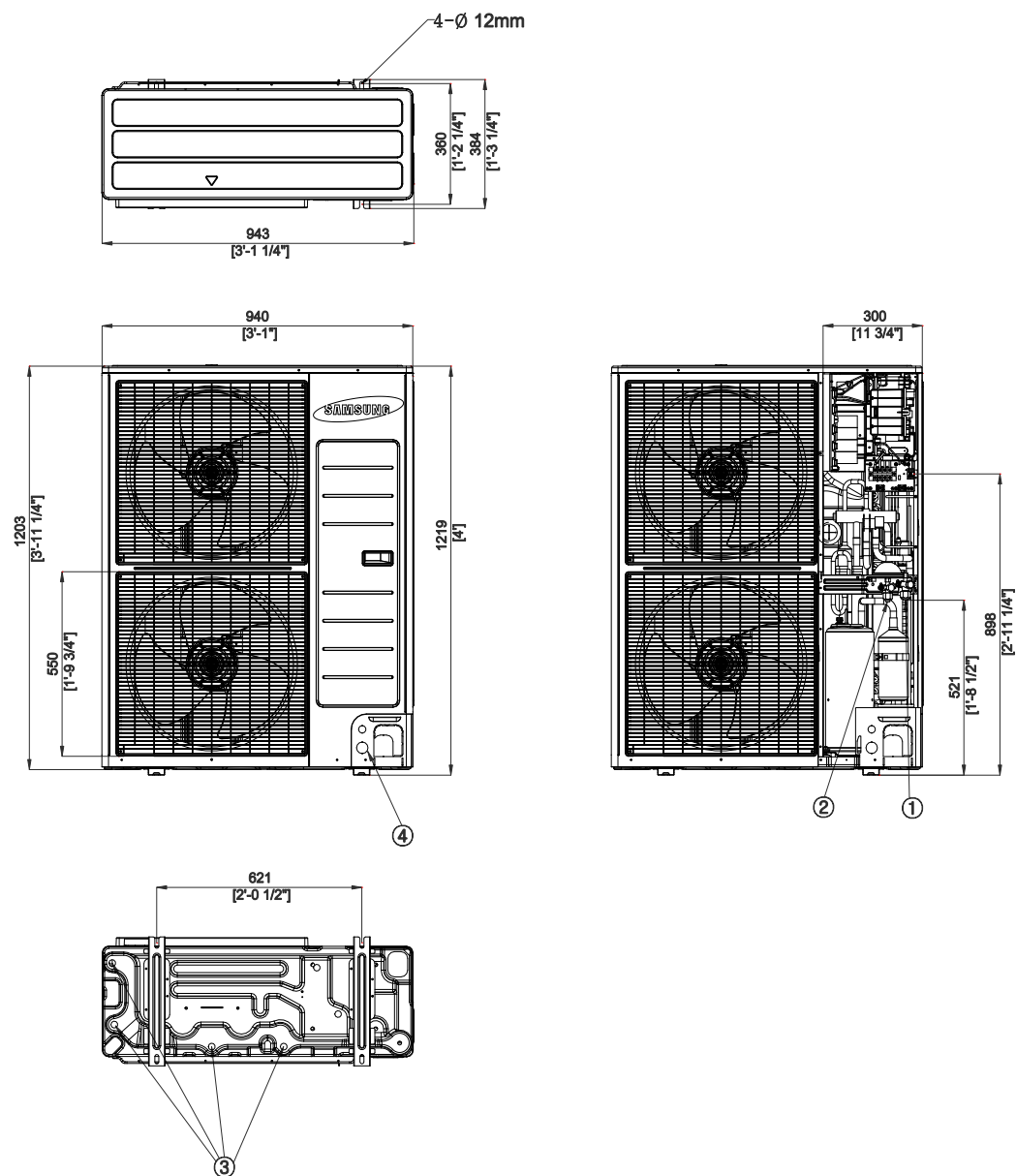


Table of descriptions

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

AC026HBLDKH/EU + AC026HCADKH/EU

Cooling

[illegible]

Heating

[illegible]

AC035HBLDKH/EU + AC035HCADKH/EU

Cooling

[illegible]

Heating

[illegible]

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	-	0.98	0.96	0.94	0.92	0.90	-	-	-	-	-	-	-	-	-
	-10	-	-	0.96	0.94	0.92	0.90	-	-	-	-	-	-	-	-	-
	-15	-	-	-	0.94	0.92	0.90	-	-	-	-	-	-	-	-	-
	-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	-	0.99	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 + 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	-	-	-	-	-

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	-	-	-	-	-

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B2B PM / SE

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