SINGLE

Technical Data Book

Duct S for Europe (Deluxe type)

SAMSUNG

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1 Nomenclature

Indoor Units

Model Names

AC	026	H	B	M	D	E	H	/	EU
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)		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	026	H	C	B	D	E	H	/	EU
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)		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. Length	m	20 (25)	20 (25)
			Max. Height	m	15 (15)	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 2	153 x 2
		Air Flow Rate	High/Mid/Low	CMM	8.00 / 6.50 / 4.90	9.20 / 7.40 / 5.80
				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)	40.0 / 37.0 / 34.0	40.0 / 37.0 / 34.0
		Power	Cooling		53.0	53.0
	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	-	-
		Shipping Dimensions (WxHxD)		mm	-	-
	Additional Accessories	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	3,4,380-415,50
	Compressor	Type		-	Single BLDC Rotary	Single BLDC Rotary
		Model		-	UG9A090FUAER	UG9A090FUAER
		Output		kW	0.84	0.84
		Oil	Type	-	POE	POE
	Fan	Air Flow Rate	Cooling	CMM	37.00	32.00
				l/s	616.67	533.33
	Sound	Pressure	Cooling/Heating	dB(A)	53.0 / 53.0	53.0 / 53.0
		Power	Cooling		63.0	63.0
	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		ºC	-15.0 ~ 52.0	-15.0 ~ 52.0
		Heating		ºC	-20.0 ~ 24.0	-20.0 ~ 24.0

- All figures comply with EN14511
- Nominal cooling capacities are based on;
  Indoor temperature : 27°C DB, 19°C WB / Outdoor temperature : 35°C DB, Refrigerant piping : 5m , Level differences : 0m
- Nominal heating capacities are based on;
  Indoor temperature : 20°C DB, 15°C WB / Outdoor temperature : 7°C DB, 6°C WB, Refrigerant piping : 5m, Level differences : 0m
- Sound level was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
- Specifications may be subject to change without prior notice.

2 Specifications

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 (25)	30 (35)
			Max. Height	m	15 (15)	20 (20)
	Field Wiring	Power Source Wire		Ø, mm	2.50	2.50
		Transmission Cable		Ø, mm	0.75 ~ 1.25	0.75 ~ 1.25
	Refrigerant	Type		-	R410A	R410A
		Control Method		-	-	-
		Factory Charging		kg	0.90	1.30
Indoor Unit	Power Supply			Ø, #, V, Hz	1,2,220-240,50	1,2,220-240,50
	Fan	Type		-	Sirocco Fan(BLDC)	Sirocco Fan(BLDC)
		Motor	Output	W	153 x 2	153 x 3
		Air Flow Rate	High/Mid/Low	CMM	12.00 / 9.50 / 8.00	15.00 / 12.00 / 9.00
				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)	32.0 / 29.0 / 26.0	33.0 / 30.0 / 27.0
		Power	Cooling		52.0	55.0
	External Dimension	Net Weight		kg	24.50	22.50
		Shipping Weight		kg	28.50	26.00
		Net Dimensions (WxHxD)		mm	850 x 250 x 700	1,100 x 200 x 450
		Shipping Dimensions (WxHxD)		mm	1,100 x 320 x 780	1,350 x 270 x 530
	Panel Size	Panel model		-	-	-
		Panel Net Weight		kg	-	-
		Shipping Weight		kg	-	-
		Net Dimensions (WxHxD)		mm	-	-
		Shipping Dimensions (WxHxD)		mm	-	-
	Additional Accessories	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
	Fan	Air Flow Rate	Cooling	CMM	37.00	44.00
				l/s	616.67	733.33
	Sound	Pressure	Cooling/Heating	dB(A)	47.0 / 47.0	48.0 / 48.0
		Power	Cooling		63.0	63.0
	External Dimension	Net Weight		kg	29.50	45.00
		Shipping Weight		kg	32.00	48.00
		Net Dimensions (WxHxD)		mm	720 x 548 x 265	880 x 638 x 310
		Shipping Dimensions (WxHxD)		mm	844 x 622 x 353	1,024 x 750 x 414
	Operating Temp. Range	Cooling		ºC	-15.0 ~ 50.0	-15.0 ~ 50.0
		Heating		ºC	-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.

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 (35)	50 (55)
			Max. Height	m	20 (20)	30 (30)
	Field Wiring	Power Source Wire		Ø, mm	2.50	2.50
		Transmission Cable		Ø, mm	0.75 ~ 1.25	0.75 ~ 1.25
	Refrigerant	Type		-	R410A	R410A
		Control Method		-	-	-
		Factory Charging		kg	1.30	1.50
Indoor Unit	Power Supply			Ø, #, V, Hz	1,2,220-240,50	1,2,220-240,50
	Fan	Type		-	Sirocco Fan(BLDC)	Sirocco Fan(BLDC)
		Motor	Output	W	153 x 2	153 x 2
		Air Flow Rate	High/Mid/Low	CMM	16.00 / 13.50 / 11.00	21.00 / 18.00 / 15.00
				l/s	266.67 / 225.00 / 183.33	350.00 / 300.00 / 250.00
		External Static Pressure	Min/Std/Max	mmAq	0.00 / 3.00 / 15.00	0.00 / 3.00 / 4.00
				Pa	0.00 / 29.40 / 147.00	0.00 / 29.40 / 39.20
	Drain	Drain Pipe		Ø,mm	VP20 (OD 26,ID 20)	VP20 (OD 26,ID 20)
	Sound	Pressure	High/Mid/Low	dB(A)	33.0 / 30.0 / 27.0	37.0 / 33.0 / 29.0
		Power	Cooling		53.0	57.0
	External Dimension	Net Weight		kg	24.50	24.50
		Shipping Weight		kg	28.50	28.50
		Net Dimensions (WxHxD)		mm	850 x 250 x 700	850 x 250 x 700
		Shipping Dimensions (WxHxD)		mm	1,100 x 320 x 780	1,100 x 320 x 780
	Panel Size	Panel model		-	-	-
		Panel Net Weight		kg	-	-
		Shipping Weight		kg	-	-
		Net Dimensions (WxHxD)		mm	-	-
		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)	48.0 / 48.0	49.0 / 50.0
		Power	Cooling		63.0	64.0
	External Dimension	Net Weight		kg	45.00	55.00
		Shipping Weight		kg	48.00	59.00
		Net Dimensions (WxHxD)		mm	880 x 638 x 310	880 x 798 x 310
		Shipping Dimensions (WxHxD)		mm	1,024 x 750 x 414	1,023 x 891 x 413
	Operating Temp. Range	Cooling		ºC	-15.0 ~ 50.0	-15.0 ~ 50.0
		Heating		ºC	-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.

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	m	50 (55)	50 (55)
			Max. Height	m	30 (30)	30 (30)
	Field Wiring	Power Source Wire		Ø, mm	2.50	2.50
		Transmission Cable		Ø, mm	0.75 ~ 1.25	0.75 ~ 1.25
	Refrigerant	Type		-	R410A	R410A
		Control Method		-	-	-
		Factory Charging		kg	1.50	1.50
Indoor Unit	Power Supply			Ø, #, V, Hz	1,2,220-240,50	1,2,220-240,50
	Fan	Type		-	Sirocco Fan(BLDC)	Sirocco Fan(BLDC)
		Motor	Output	W	153 x 3	153 x 2
		Air Flow Rate	High/Mid/Low	CMM	20.00 / 15.00 / 10.00	22.00 / 19.00 / 16.00
				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)	37.0 / 34.0 / 31.0	37.0 / 33.0 / 29.0
		Power	Cooling		59.0	57.0
	External Dimension	Net Weight		kg	22.50	24.50
		Shipping Weight		kg	26.00	28.50
		Net Dimensions (WxHxD)		mm	1,100 x 200 x 450	850 x 250 x 700
		Shipping Dimensions (WxHxD)		mm	1,350 x 270 x 530	1,100 x 320 x 780
	Panel Size	Panel model		-	-	-
		Panel Net Weight		kg	-	-
		Shipping Weight		kg	-	-
		Net Dimensions (WxHxD)		mm	-	-
		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)	49.0 / 51.0	49.0 / 51.0
		Power	Cooling		65.0	65.0
	External Dimension	Net Weight		kg	55.00	55.00
		Shipping Weight		kg	59.00	59.00
		Net Dimensions (WxHxD)		mm	880 x 798 x 310	880 x 798 x 310
		Shipping Dimensions (WxHxD)		mm	1,023 x 891 x 413	1,023 x 891 x 413
	Operating Temp. Range	Cooling		ºC	-15.0 ~ 50.0	-15.0 ~ 50.0
		Heating		ºC	-20.0 ~ 24.0	-20.0 ~ 24.0

- All figures comply with EN14511
- Nominal cooling capacities are based on;
  Indoor temperature : 27°C DB, 19°C WB / Outdoor temperature : 35°C DB, Refrigerant piping : 5m , Level differences : 0m
- Nominal heating capacities are based on;
  Indoor temperature : 20°C DB, 15°C WB / Outdoor temperature : 7°C DB, 6°C WB, Refrigerant piping : 5m, Level differences : 0m
- Sound level was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
- Specifications may be subject to change without prior notice.

2 Specifications

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 (55)	50 (55)
			Max. Height	m	30 (30)	30 (30)
	Field Wiring	Power Source Wire		Ø, mm	4.00	2.50
		Transmission Cable		Ø, mm	0.75 ~ 1.25	0.75 ~ 1.25
	Refrigerant	Type		-	R410A	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 3	153 x 3
		Air Flow Rate	High/Mid/Low	CMM	29.00 / 25.00 / 22.00	29.00 / 25.00 / 22.00
				l/s	483.33 / 416.67 / 366.67	483.33 / 416.67 / 366.67
		External Static Pressure	Min/Std/Max	mmAq	0.00 / 4.00 / 15.00	0.00 / 4.00 / 15.00
				Pa	0.00 / 39.20 / 147.00	0.00 / 39.20 / 147.00
	Drain	Drain Pipe		Ø,mm	VP20 (OD 26,ID 20)	VP20 (OD 26,ID 20)
	Sound	Pressure	High/Mid/Low	dB(A)	38.0 / 35.0 / 32.0	38.0 / 35.0 / 32.0
		Power	Cooling		61.0	61.0
	External Dimension	Net Weight		kg	32.00	32.00
		Shipping Weight		kg	37.00	37.00
		Net Dimensions (WxHxD)		mm	1,200 x 250 x 700	1,200 x 250 x 700
		Shipping Dimensions (WxHxD)		mm	1,450 x 320 x 780	1,450 x 320 x 780
	Panel Size	Panel model		-	-	-
		Panel Net Weight		kg	-	-
		Shipping Weight		kg	-	-
		Net Dimensions (WxHxD)		mm	-	-
		Shipping Dimensions (WxHxD)		mm	-	-
	Additional Accessories	Drain pump	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	-	POE	POE
	Fan	Air Flow Rate	Cooling	CMM	63.00	63.00
				l/s	1,050.00	1,050.00
	Sound	Pressure	Cooling/Heating	dB(A)	52.0 / 54.0	52.0 / 54.0
		Power	Cooling		68.0	68.0
	External Dimension	Net Weight		kg	70.00	72.00
		Shipping Weight		kg	74.00	76.00
		Net Dimensions (WxHxD)		mm	940 x 998 x 330	940 x 998 x 330
		Shipping Dimensions (WxHxD)		mm	995 x 1,096 x 426	995 x 1,096 x 426
	Operating Temp. Range	Cooling		ºC	-15.0 ~ 50.0	-15.0 ~ 50.0
		Heating		ºC	-20.0 ~ 24.0	-20.0 ~ 24.0

- All figures comply with EN14511
- Nominal cooling capacities are based on;
  Indoor temperature : 27°C DB, 19°C WB / Outdoor temperature : 35°C DB, Refrigerant piping : 5m , Level differences : 0m
- Nominal heating capacities are based on;
  Indoor temperature : 20°C DB, 15°C WB / Outdoor temperature : 7°C DB, 6°C WB, Refrigerant piping : 5m, Level differences : 0m
- Sound level was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
- Specifications may be subject to change without prior notice.

2 Specifications

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 (55)	50 (55)
			Max. Height	m	30 (30)	30 (30)
	Field Wiring	Power Source Wire		Ø, mm	2.50	4.00
		Transmission Cable		Ø, mm	0.75 ~ 1.25	0.75 ~ 1.25
	Refrigerant	Type		-	R410A	R410A
		Control Method		-	-	-
		Factory Charging		kg	2.60	2.60
Indoor Unit	Power Supply			Ø, #, V, Hz	1,2,220-240,50	1,2,220-240,50
	Fan	Type		-	Sirocco Fan(BLDC)	Sirocco Fan(BLDC)
		Motor	Output	W	153 x 3	153 x 3
		Air Flow Rate	High/Mid/Low	CMM	32.00 / 27.00 / 22.00	32.00 / 27.00 / 22.00
				l/s	533.33 / 450.00 / 366.67	533.33 / 450.00 / 366.67
		External Static Pressure	Min/Std/Max	mmAq	0.00 / 4.00 / 15.00	0.00 / 4.00 / 15.00
				Pa	0.00 / 39.20 / 147.00	0.00 / 39.20 / 147.00
	Drain	Drain Pipe		Ø,mm	VP20 (OD 26,ID 20)	VP20 (OD 26,ID 20)
	Sound	Pressure	High/Mid/Low	dB(A)	38.0 / 35.0 / 32.0	38.0 / 35.0 / 32.0
		Power	Cooling		61.0	61.0
	External Dimension	Net Weight		kg	32.00	32.00
		Shipping Weight		kg	37.00	37.00
		Net Dimensions (WxHxD)		mm	1,200 x 250 x 700	1,200 x 250 x 700
		Shipping Dimensions (WxHxD)		mm	1,450 x 320 x 780	1,450 x 320 x 780
	Panel Size	Panel model		-	-	-
		Panel Net Weight		kg	-	-
		Shipping Weight		kg	-	-
		Net Dimensions (WxHxD)		mm	-	-
		Shipping Dimensions (WxHxD)		mm	-	-
	Additional Accessories	Drain pump	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	-	POE	POE
	Fan	Air Flow Rate	Cooling	CMM	68.00	68.00
				l/s	1,133.33	1,133.33
	Sound	Pressure	Cooling/Heating	dB(A)	52.0 / 54.0	52.0 / 54.0
		Power	Cooling		69.0	69.0
	External Dimension	Net Weight		kg	72.00	70.00
		Shipping Weight		kg	76.00	74.00
		Net Dimensions (WxHxD)		mm	940 x 998 x 330	940 x 998 x 330
		Shipping Dimensions (WxHxD)		mm	995 x 1,096 x 426	995 x 1,096 x 426
	Operating Temp. Range	Cooling		ºC	-15.0 ~ 50.0	-15.0 ~ 50.0
		Heating		ºC	-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.

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 (55)	50 (55)
			Max. Height	m	30 (30)	30 (30)
	Field Wiring	Power Source Wire		Ø, mm	2.50	4.00
		Transmission Cable		Ø, mm	0.75 ~ 1.25	0.75 ~ 1.25
	Refrigerant	Type		-	R410A	R410A
		Control Method		-	-	-
		Factory Charging		kg	2.70	2.70
Indoor Unit	Power Supply			Ø, #, V, Hz	1,2,220-240,50	1,2,220-240,50
	Fan	Type		-	Sirocco Fan(BLDC)	Sirocco Fan(BLDC)
		Motor	Output	W	244 x 3	244 x 3
		Air Flow Rate	High/Mid/Low	CMM	38.00 / 32.00 / 25.00	38.00 / 32.00 / 25.00
				l/s	633.33 / 533.33 / 416.67	633.33 / 533.33 / 416.67
		External Static Pressure	Min/Std/Max	mmAq	0.00 / 5.20 / 15.00	0.00 / 5.20 / 15.00
				Pa	0.00 / 50.96 / 147.00	0.00 / 50.96 / 147.00
	Drain	Drain Pipe		Ø,mm	VP20 (OD 26,ID 20)	VP20 (OD 26,ID 20)
	Sound	Pressure	High/Mid/Low	dB(A)	39.0 / 36.0 / 33.0	39.0 / 36.0 / 33.0
		Power	Cooling		65.0	65.0
	External Dimension	Net Weight		kg	36.00	36.00
		Shipping Weight		kg	42.00	42.00
		Net Dimensions (WxHxD)		mm	1,300 x 300 x 700	1,300 x 300 x 700
		Shipping Dimensions (WxHxD)		mm	1,550 x 370 x 780	1,550 x 370 x 780
	Panel Size	Panel model		-	-	-
		Panel Net Weight		kg	-	-
		Shipping Weight		kg	-	-
		Net Dimensions (WxHxD)		mm	-	-
		Shipping Dimensions (WxHxD)		mm	-	-
	Additional Accessories	Drain pump	Drain pump	-	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	-	POE	POE
	Fan	Air Flow Rate	Cooling	CMM	70.00	70.00
				l/s	1,166.67	1,166.67
	Sound	Pressure	Cooling/Heating	dB(A)	54.0 / 56.0	54.0 / 58.0
		Power	Cooling		70.0	70.0
	External Dimension	Net Weight		kg	79.00	77.00
		Shipping Weight		kg	84.00	82.00
		Net Dimensions (WxHxD)		mm	940 x 998 x 330	940 x 998 x 330
		Shipping Dimensions (WxHxD)		mm	995 x 1,096 x 426	995 x 1,096 x 426
	Operating Temp. Range	Cooling		ºC	-15.0 ~ 50.0	-15.0 ~ 50.0
		Heating		ºC	-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.

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)	75 (75)
			Max. Height	m	30 (30)	30 (30)
	Field Wiring	Power Source Wire		Ø, mm	2.50	4.00
		Transmission Cable		Ø, mm	0.75 ~ 1.25	0.75 ~ 1.25
	Refrigerant	Type		-	R410A	R410A
		Control Method		-	-	-
		Factory Charging		kg	2.80	2.80
Indoor Unit	Power Supply			Ø, #, V, Hz	1,2,220-240,50	1,2,220-240,50
	Fan	Type		-	Sirocco Fan(BLDC)	Sirocco Fan(BLDC)
		Motor	Output	W	244 x 3	244 x 3
		Air Flow Rate	High/Mid/Low	CMM	42.00 / 34.00 / 25.00	42.00 / 34.00 / 25.00
				l/s	700.00 / 566.67 / 416.67	700.00 / 566.67 / 416.67
		External Static Pressure	Min/Std/Max	mmAq	0.00 / 5.20 / 15.00	0.00 / 5.20 / 15.00
				Pa	0.00 / 50.96 / 147.00	0.00 / 50.96 / 147.00
	Drain	Drain Pipe		Ø,mm	VP20 (OD 26,ID 20)	VP20 (OD 26,ID 20)
	Sound	Pressure	High/Mid/Low	dB(A)	40.0 / 37.0 / 33.0	40.0 / 37.0 / 33.0
		Power	Cooling		66.0	66.0
	External Dimension	Net Weight		kg	36.00	36.00
		Shipping Weight		kg	42.00	42.00
		Net Dimensions (WxHxD)		mm	1,300 x 300 x 700	1,300 x 300 x 700
		Shipping Dimensions (WxHxD)		mm	1,550 x 370 x 780	1,550 x 370 x 780
	Panel Size	Panel model		-	-	-
		Panel Net Weight		kg	-	-
		Shipping Weight		kg	-	-
		Net Dimensions (WxHxD)		mm	-	-
		Shipping Dimensions (WxHxD)		mm	-	-
	Additional Accessories	Drain pump	Drain pump	-	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	-	POE	POE
	Fan	Air Flow Rate	Cooling	CMM	100.00	100.00
				l/s	1,666.67	1,666.67
	Sound	Pressure	Cooling/Heating	dB(A)	53.0 / 54.0	53.0 / 54.0
		Power	Cooling		70.0	70.0
	External Dimension	Net Weight		kg	90.00	88.00
		Shipping Weight		kg	100.00	98.00
		Net Dimensions (WxHxD)		mm	940 x 1,210 x 330	940 x 1,210 x 330
		Shipping Dimensions (WxHxD)		mm	995 x 1,388 x 426	995 x 1,388 x 426
	Operating Temp. Range	Cooling		ºC	-15.0 ~ 50.0	-15.0 ~ 50.0
		Heating		ºC	-20.0 ~ 24.0	-20.0 ~ 24.0

- All figures comply with EN14511
- Nominal cooling capacities are based on;
  Indoor temperature : 27°C DB, 19°C WB / Outdoor temperature : 35°C DB, Refrigerant piping : 5m , Level differences : 0m
- Nominal heating capacities are based on;
  Indoor temperature : 20°C DB, 15°C WB / Outdoor temperature : 7°C DB, 6°C WB, Refrigerant piping : 5m, Level differences : 0m
- Sound level was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
- Specifications may be subject to change without prior notice.

3 Capacity table

Duct S

AC026HBLDKH/EU + AC026HCADKH/EU

Cooling

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

Outdoor temperature (ºC, DB)	Indoor temperature (ºC, 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 (ºC, DB)	Indoor temperature (ºC, 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 (ºC, DB)	Indoor temperature (ºC, 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 (ºC, DB)	Indoor temperature (ºC, 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 (ºC, DB)	Indoor temperature (ºC, 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 (ºC, DB)	Indoor temperature (ºC, 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 (ºC, DB)	Indoor temperature (ºC, 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 (ºC, DB)	Indoor temperature (ºC, 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 (ºC, DB)	Indoor temperature (ºC, 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 (ºC, DB)	Indoor temperature (ºC, 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 (ºC, DB)	Indoor temperature (ºC, 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 (ºC, DB)	Indoor temperature (ºC, 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 (ºC, DB)	Indoor temperature (ºC, 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 (ºC, DB)	Indoor temperature (ºC, 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 (ºC, DB)	Indoor temperature (ºC, 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 (ºC, DB)	Indoor temperature (ºC, 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 (ºC, DB)	Indoor temperature (ºC, 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 (ºC, DB)	Indoor temperature (ºC, 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 (ºC, DB)	Indoor temperature (ºC, 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 (ºC, DB)	Indoor temperature (ºC, 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 (ºC, DB)	Indoor temperature (ºC, 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 (ºC, DB)	Indoor temperature (ºC, 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 (ºC, DB)	Indoor temperature (ºC, 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 (ºC, DB)	Indoor temperature (ºC, 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 (ºC, DB)	Indoor temperature (ºC, 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 (ºC, DB)	Indoor temperature (ºC, 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 (ºC, DB)	Indoor temperature (ºC, 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 (ºC, DB)	Indoor temperature (ºC, 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 (ºC, DB)	Indoor temperature (ºC, 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 (ºC, DB)	Indoor temperature (ºC, 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 (ºC, DB)	Indoor temperature (ºC, 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 (ºC, DB)	Indoor temperature (ºC, 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

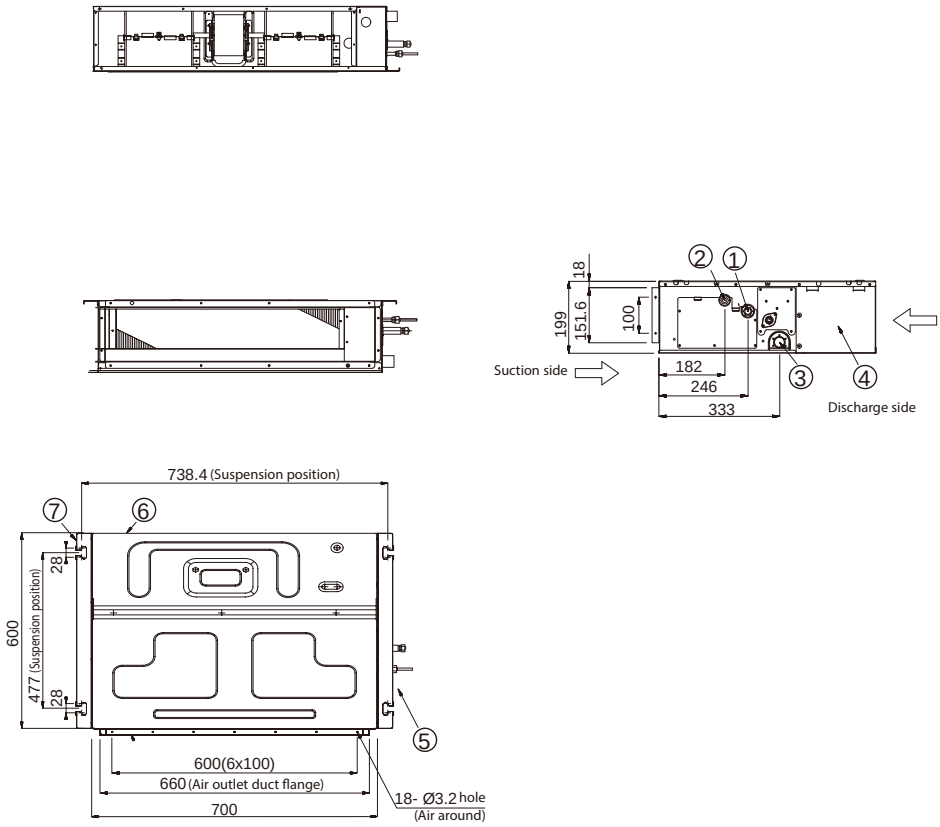


Table of descriptions			
1	Refrigerant gas pipe	7	Hook
2	Refrigerant liquid pipe	8	
3	Condensate drain	9	
4	Power & Comm. wiring conduits	10	
5	Refrigerant pipe conduits	11	
6	Return air flange	12	

4 Dimensional drawing

Duct S

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

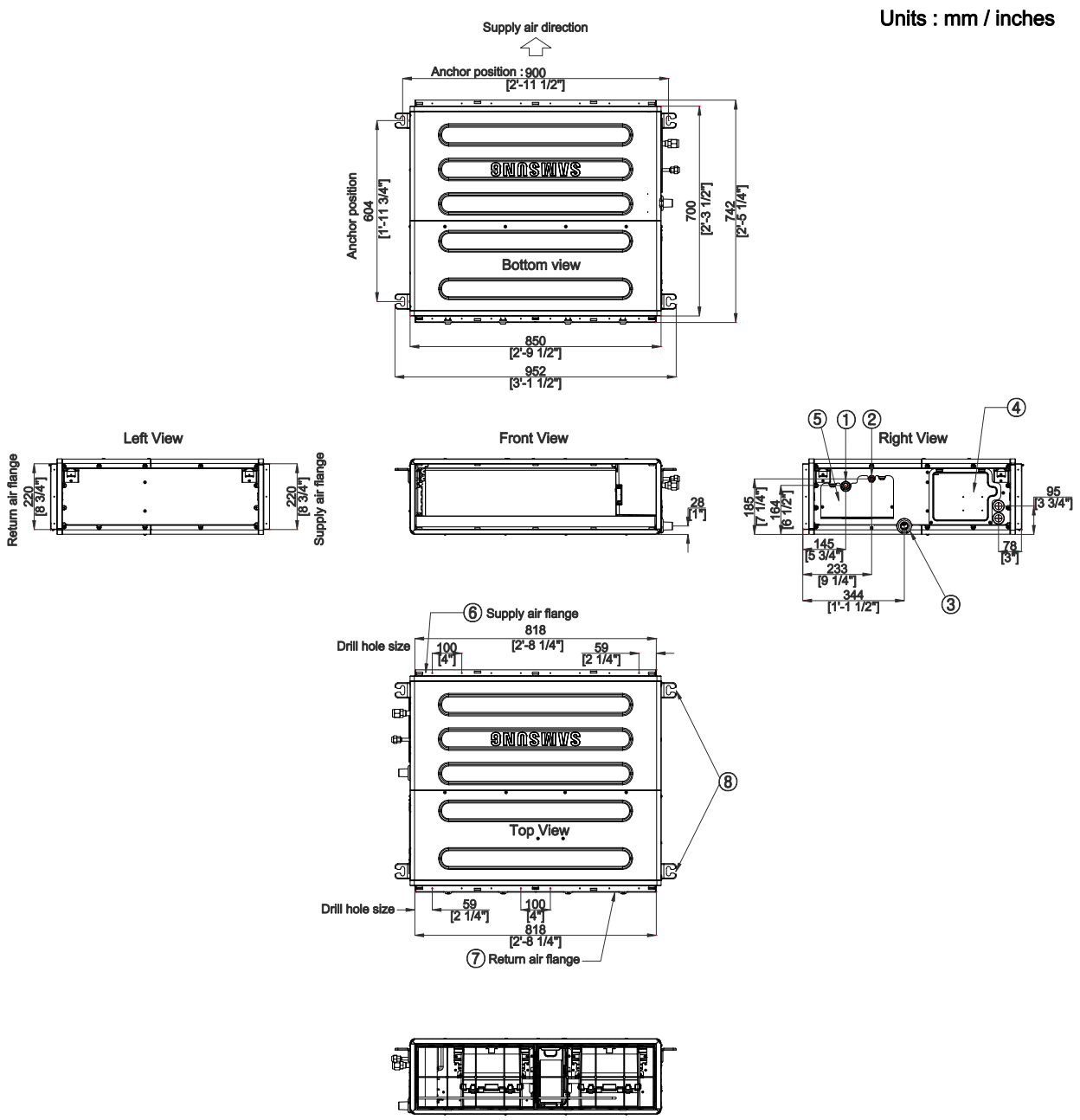


Table of descriptions			
1	Refrigerant gas pipe	7	Return air flange
2	Refrigerant liquid pipe	8	Hook
3	Condensate drain	9	
4	Power & Comm. wiring conduits	10	
5	Refrigerant pipe conduits	11	
6	Supply air flange	12	

4 Dimensional drawing

Duct S

AC052HBLDKH/EU, AC071HBLDKH/EU

Units : mm / inches

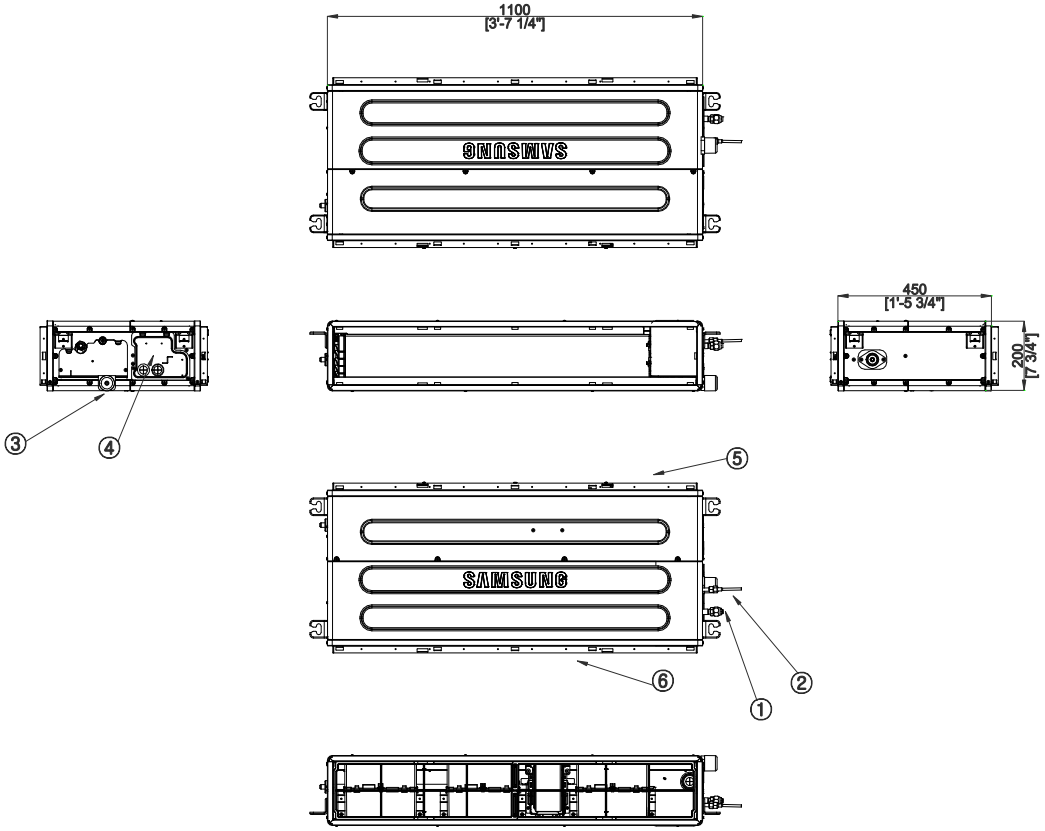


Table of descriptions			
1	Refrigerant gas pipe	7	
2	Refrigerant liquid pipe	8	
3	Condensate drain	9	
4	Power & Comm. wiring conduits	10	
5	Air Inlet grille	11	
6	Air Outlet grille	12	

4 Dimensional drawing

Duct S

AC090HBMDKH/EU, AC100HBMDKH/EU

Units : mm / inches

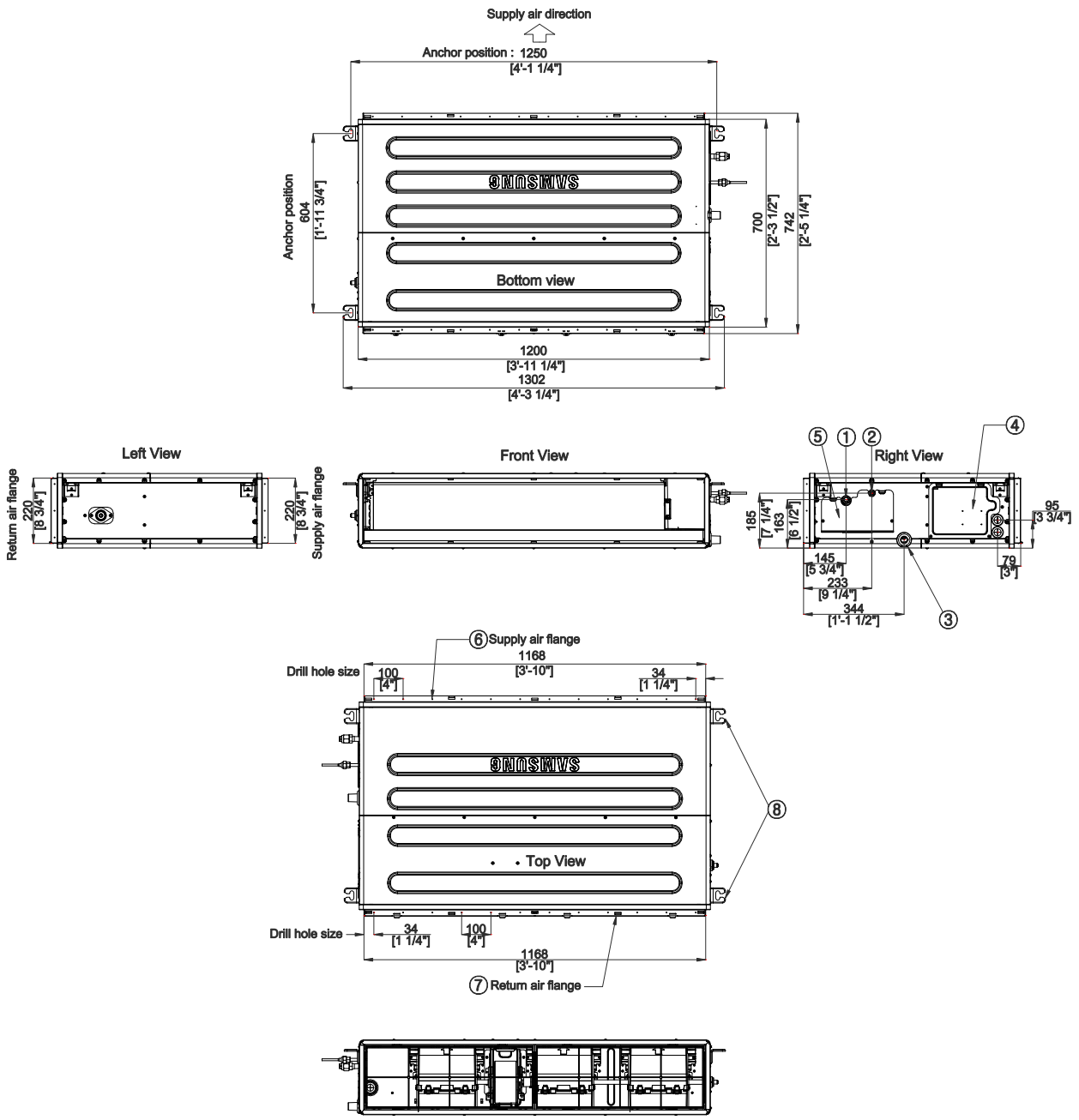


Table of descriptions			
1	Refrigerant gas pipe	7	Return air flange
2	Refrigerant liquid pipe	8	Hook
3	Condensate drain	9	
4	Power & Comm. wiring conduits	10	
5	Refrigerant pipe conduits	11	
6	Supply air flange	12	

4 Dimensional drawing

Duct S

AC120HBMDKH/EU, AC140HBMDKH/EU

Units : mm / inches

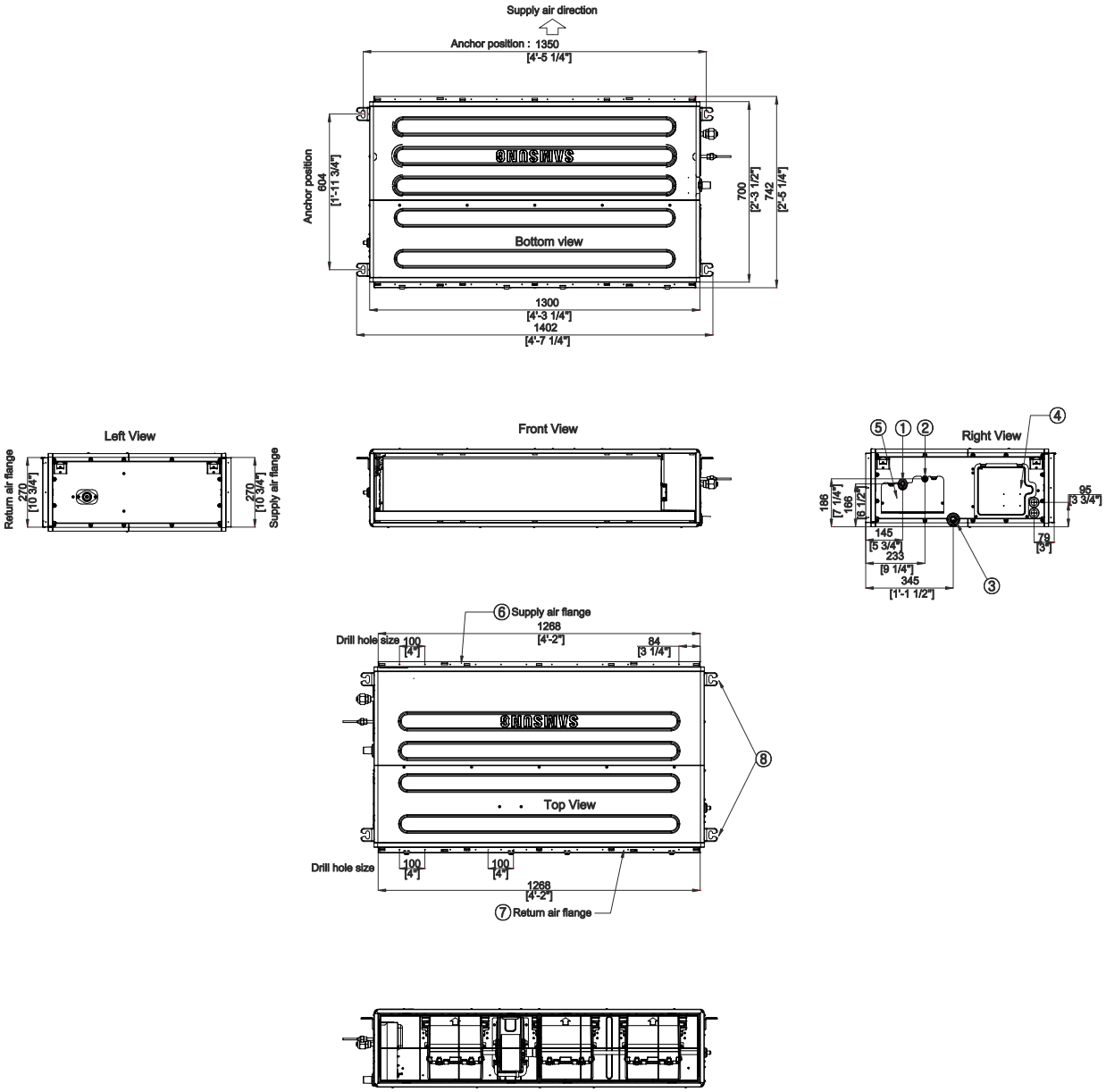
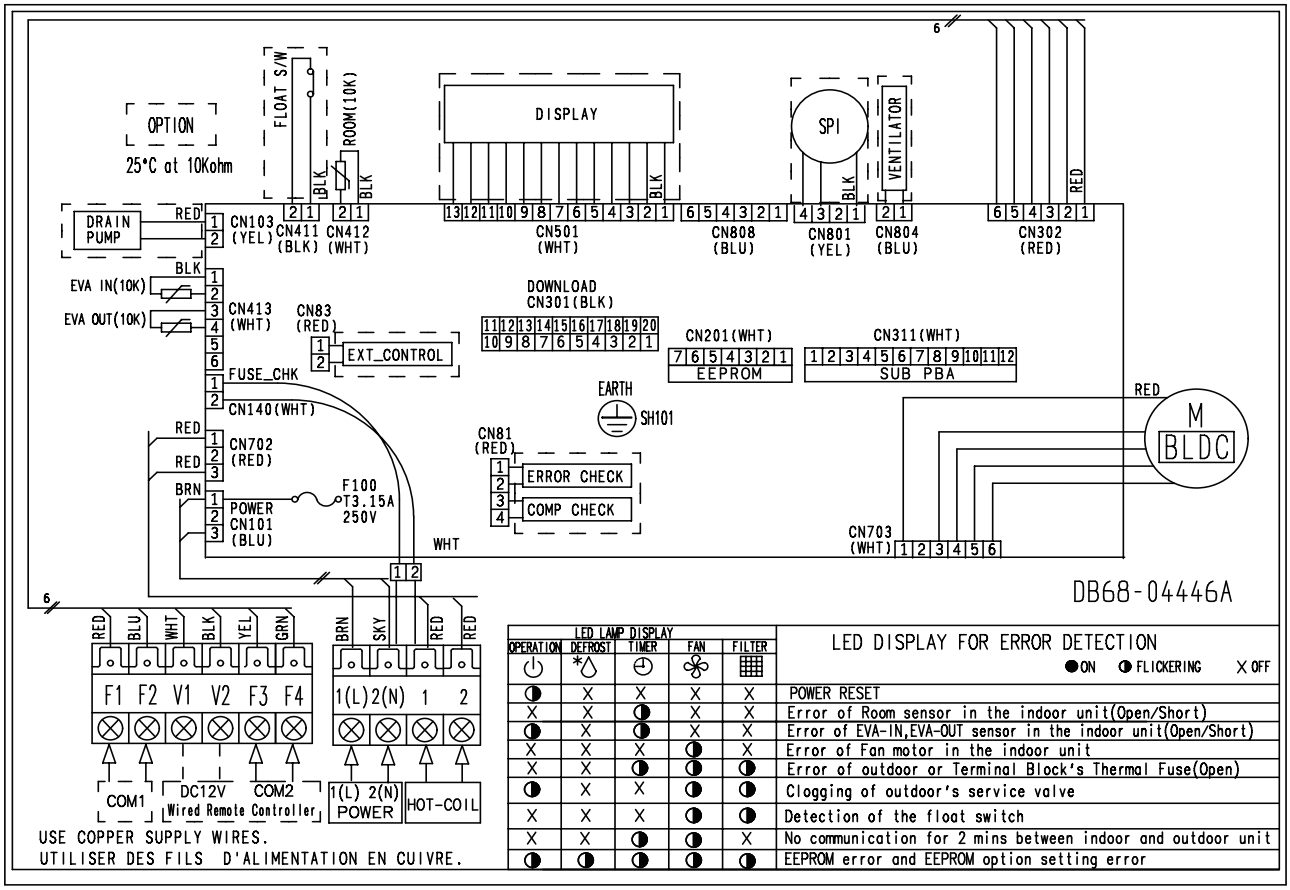


Table of descriptions			
1	Refrigerant gas pipe	7	Return air flange
2	Refrigerant liquid pipe	8	Hook
3	Condensate drain	9	
4	Power & Comm. wiring conduits	10	
5	Refrigerant pipe conduits	11	
6	Supply air flange	12	

5 Electrical wiring diagram

Duct S

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

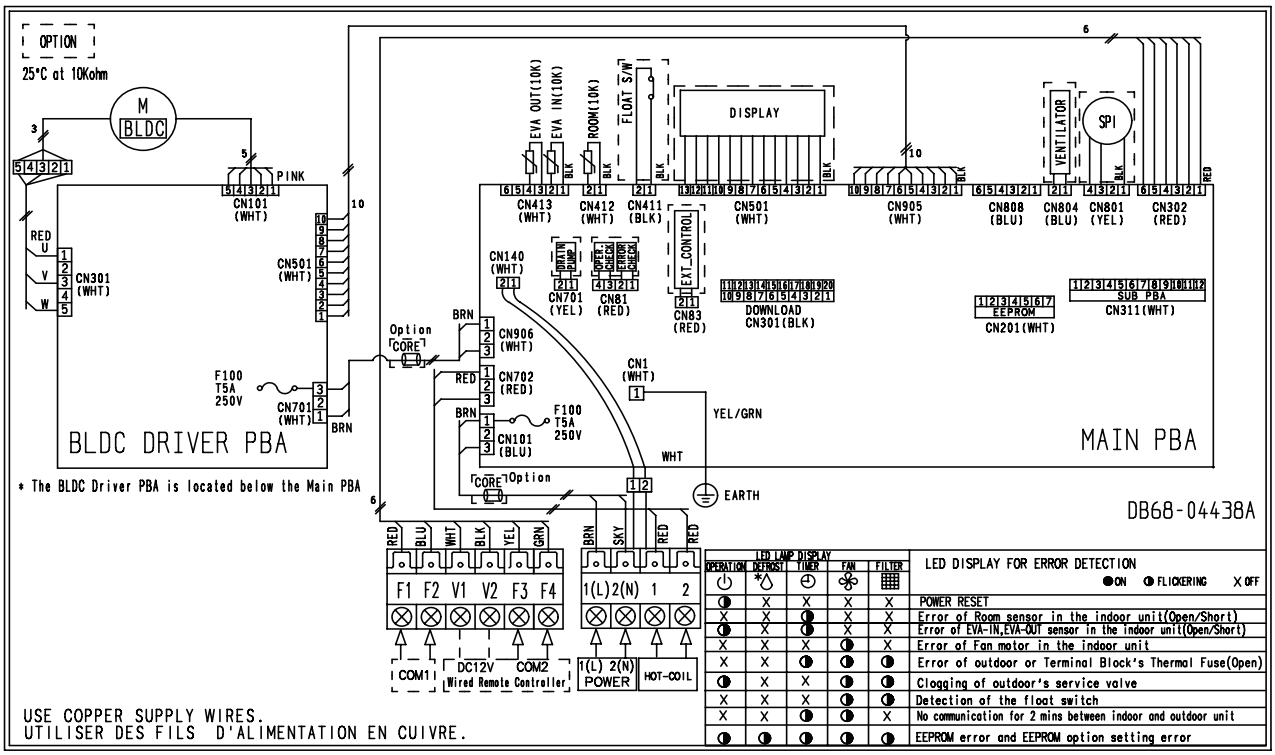


LED LAMP DISPLAY					LED DISPLAY FOR ERROR DETECTION ●ON ◑FLICKERING X OFF
OPERATION	DEFROST	TIMER	FAN	FILTER	
◑	X	X	X	X	POWER RESET
X	X	◑	X	X	Error of Room sensor in the indoor unit(Open/Short)
◑	X	◑	X	X	Error of EVA-IN,EVA-OUT sensor in the indoor unit(Open/Short)
X	X	X	◑	X	Error of Fan motor in the indoor unit
X	X	◑	◑	◑	Error of outdoor or Terminal Block's Thermal Fuse(Open)
◑	X	X	◑	◑	Clogging of outdoor's service valve
X	X	X	◑	◑	Detection of the float switch
X	X	◑	◑	X	No communication for 2 mins between indoor and outdoor unit
◑	◑	◑	◑	◑	EEPROM error and EEPROM option setting error

5 Electrical wiring diagram

Duct S

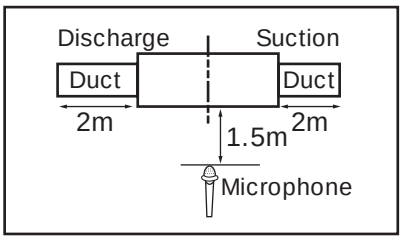
AC035HBMDKH/EU, AC052HBMDKH/EU, AC060HBMDKH/EU, AC071HBMDKH/EU, AC090HBMDKH/EU, AC100HBMDKH/EU, AC120HBMDKH/EU
AC140HBMDKH/EU



LED LAMP DISPLAY: OPERATION	DEFROST	TIMER	FAN	FILTER	LED DISPLAY FOR ERROR DETECTION (● ON ◑ FLICKERING X OFF)
◑	X	X	X	X	POWER RESET
X	X	◑	X	X	Error of Room sensor in the indoor unit(Open/Short)
◑	X	◑	X	X	Error of EVA-IN,EVA-OUT sensor in the indoor unit(Open/Short)
X	X	X	◑	X	Error of Fan motor in the indoor unit
X	X	◑	◑	◑	Error of outdoor or Terminal Block's Thermal Fuse(Open)
◑	X	X	◑	◑	Clogging of outdoor's service valve
X	X	X	◑	◑	Detection of the float switch
X	X	◑	◑	X	No communication for 2 mins between indoor and outdoor unit
◑	◑	◑	◑	◑	EEPROM error and EEPROM option setting error

6 Sound pressure level

Duct S



Unit: dB(A)

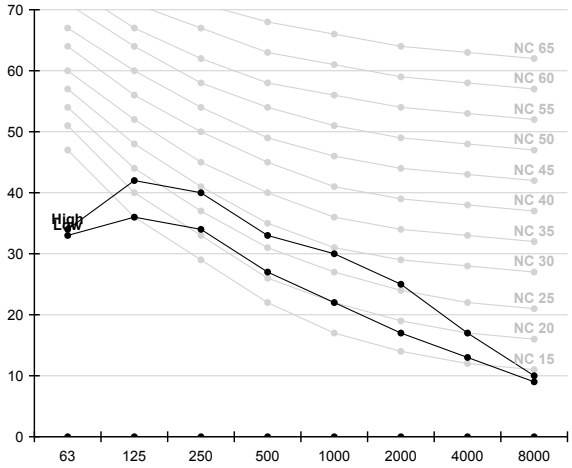
Model	High	Low
AC026HBLDKH/EU (ODU : AC026HCADKH/EU)	40.0	34.0
AC035HBLDKH/EU (ODU : AC035HCADKH/EU)	40.0	34.0
AC035HBMDKH/EU (ODU : AC035HCADKH/EU)	32.0	26.0
AC052HBLDKH/EU (ODU : AC052HCADKH/EU)	33.0	27.0

Note

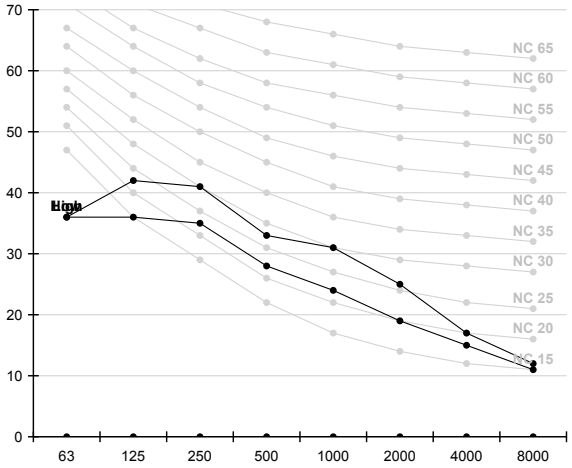
- These operation values were obtained in an anechoic room. Sound pressure level will vary depending on a range of factors such as the construction of the particular room where the equipment is installed.
- Operation sound level may differ depending on operation and ambient conditions.

NC curve

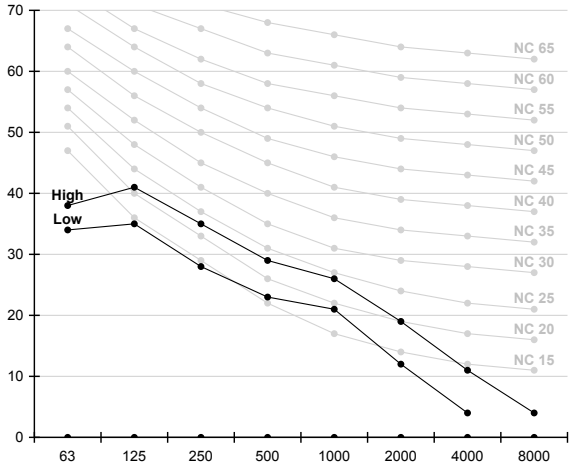
1) AC026HBLDKH/EU (ODU : AC026HCADKH/EU)



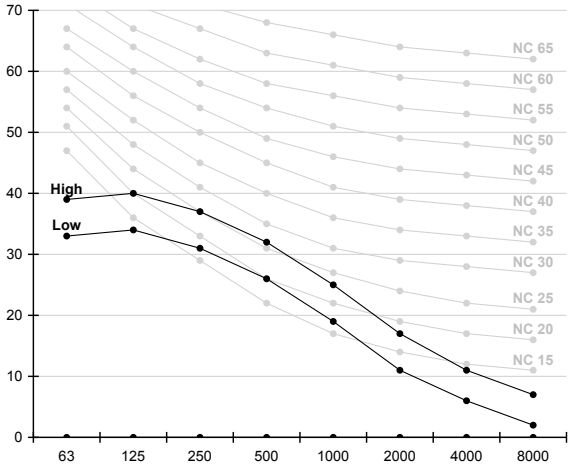
2) AC035HBLDKH/EU (ODU : AC035HCADKH/EU)



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

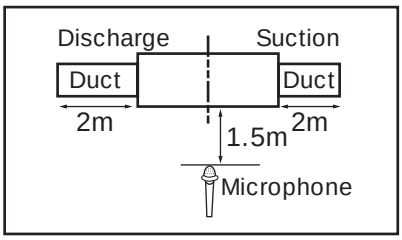


4) AC052HBLDKH/EU (ODU : AC052HCADKH/EU)



6 Sound pressure level

Duct S



Unit: dB(A)

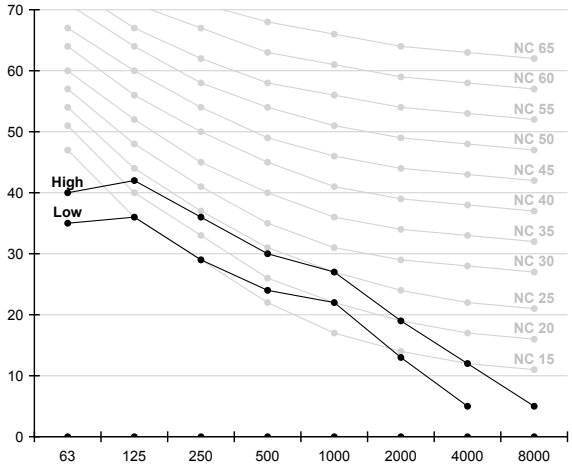
Model	High	Low
AC052HBMDKH/EU (ODU : AC052HCADKH/EU)	33.0	27.0
AC060HBMDKH/EU (ODU : AC060HCADKH/EU)	37.0	29.0
AC071HBLDKH/EU (ODU : AC071HCADKH/EU)	37.0	31.0
AC071HBMDKH/EU (ODU : AC071HCADKH/EU)	37.0	29.0

Note

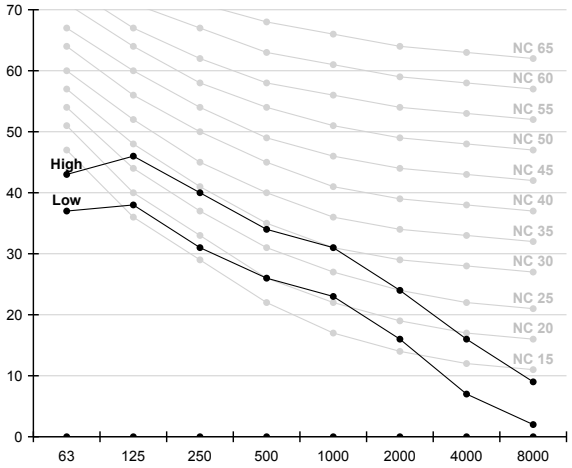
- These operation values were obtained in an anechoic room. Sound pressure level will vary depending on a range of factors such as the construction of the particular room where the equipment is installed.
- Operation sound level may differ depending on operation and ambient conditions.

NC curve

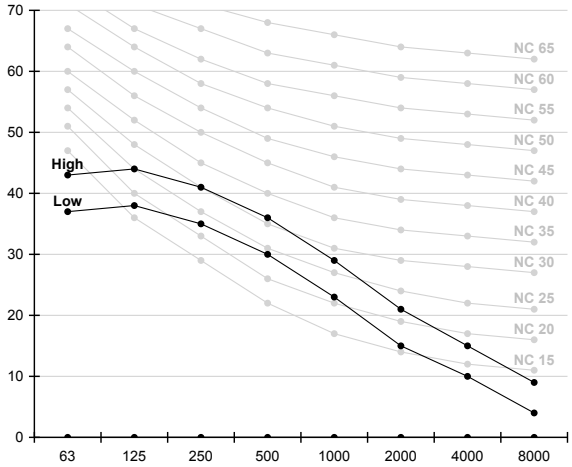
1) AC052HBMDKH/EU (ODU : AC052HCADKH/EU)



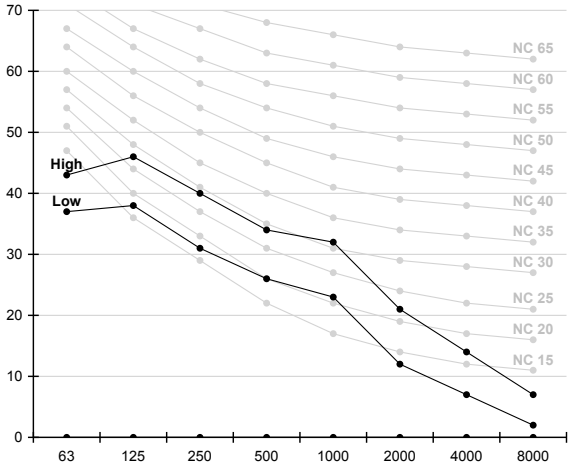
2) AC060HBMDKH/EU (ODU : AC060HCADKH/EU)



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

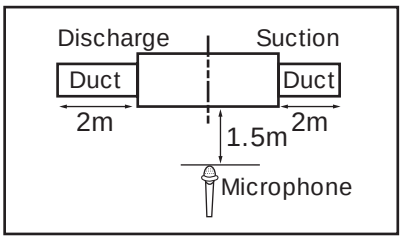


4) AC071HBMDKH/EU (ODU : AC071HCADKH/EU)



6 Sound pressure level

Duct S



Unit: dB(A)

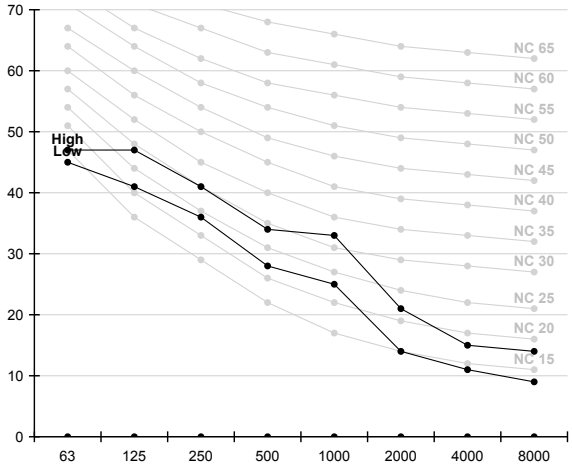
Model	High	Low
AC090HBMDKH/EU (ODU : AC090HCADKH/EU)	38.0	32.0
AC090HBMDKH/EU (ODU : AC090HCADNH/EU)	38.0	32.0
AC100HBMDKH/EU (ODU : AC100HCADNH/EU)	38.0	32.0
AC100HBMDKH/EU (ODU : AC100HCADKH/EU)	38.0	32.0

Note

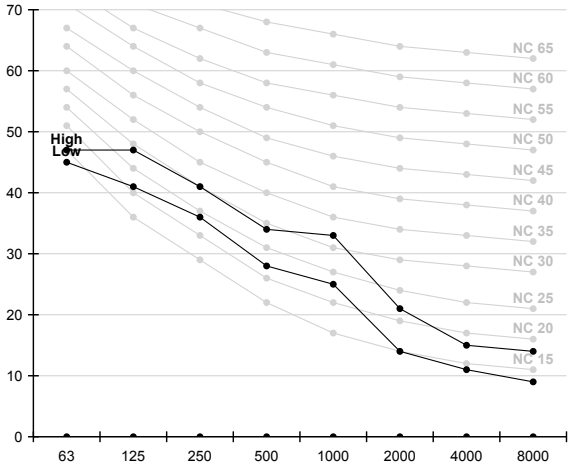
- These operation values were obtained in an anechoic room. Sound pressure level will vary depending on a range of factors such as the construction of the particular room where the equipment is installed.
- Operation sound level may differ depending on operation and ambient conditions.

NC curve

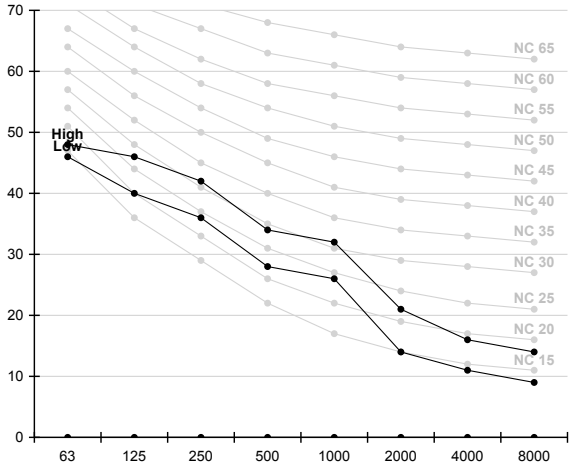
1) AC090HBMDKH/EU (ODU : AC090HCADKH/EU)



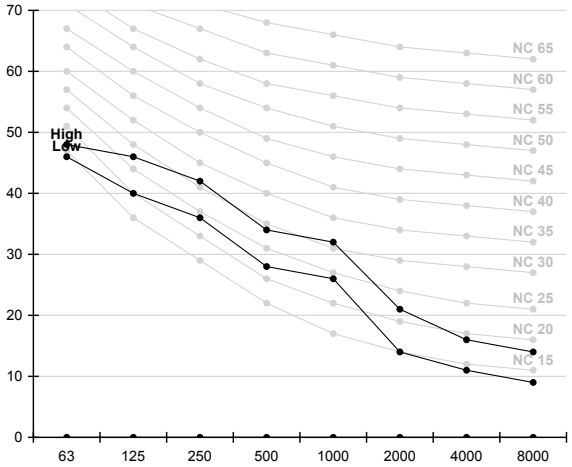
2) AC090HBMDKH/EU (ODU : AC090HCADNH/EU)



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

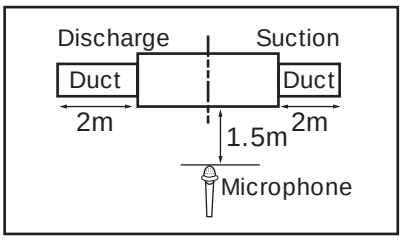


4) AC100HBMDKH/EU (ODU : AC100HCADKH/EU)



6 Sound pressure level

Duct S



Unit: dB(A)

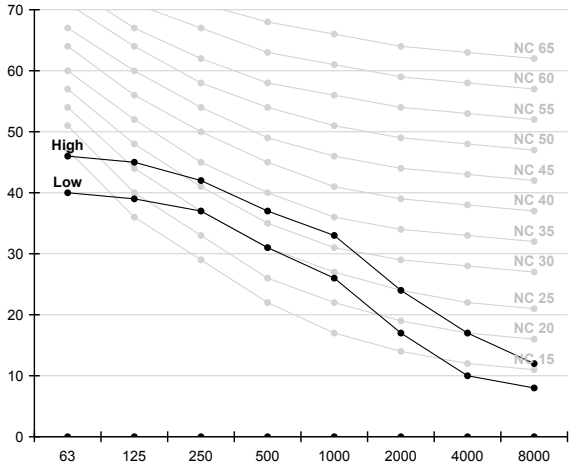
Model	High	Low
AC120HBMDKH/EU (ODU : AC120HCADNH/EU)	39.0	33.0
AC120HBMDKH/EU (ODU : AC120HCADKH/EU)	39.0	33.0
AC140HBMDKH/EU (ODU : AC140HCADNH/EU)	40.0	33.0
AC140HBMDKH/EU (ODU : AC140HCADKH/EU)	40.0	33.0

Note

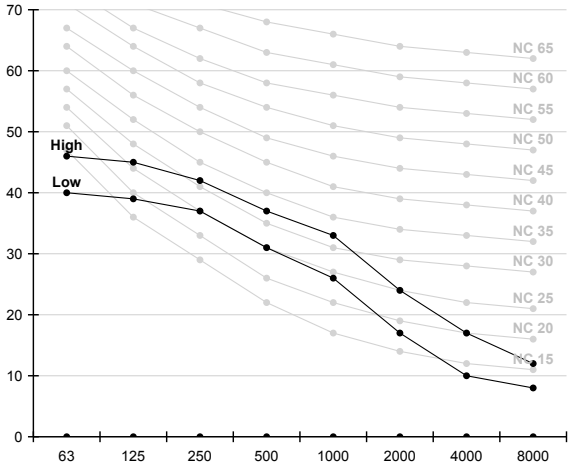
- These operation values were obtained in an anechoic room. Sound pressure level will vary depending on a range of factors such as the construction of the particular room where the equipment is installed.
- Operation sound level may differ depending on operation and ambient conditions.

NC curve

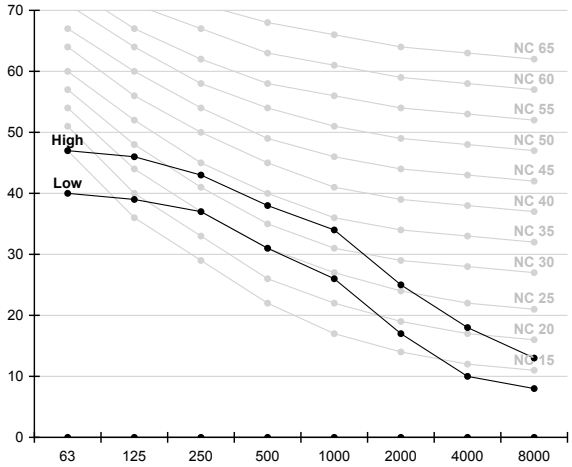
1) AC120HBMDKH/EU (ODU : AC120HCADNH/EU)



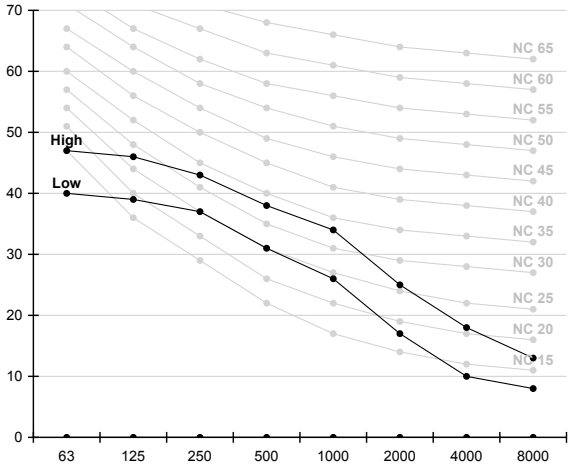
2) AC120HBMDKH/EU (ODU : AC120HCADKH/EU)



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



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



7 Sound power level

Duct S

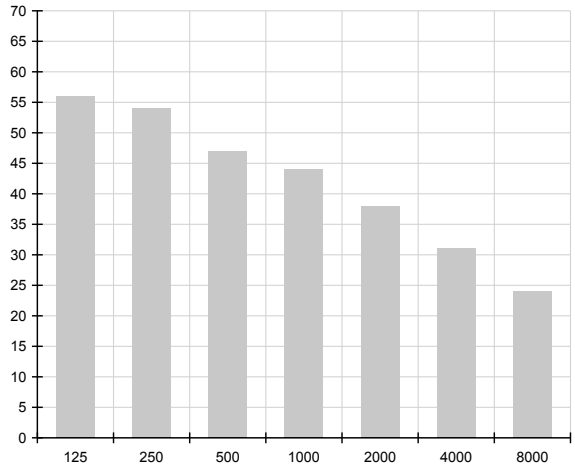
Note

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

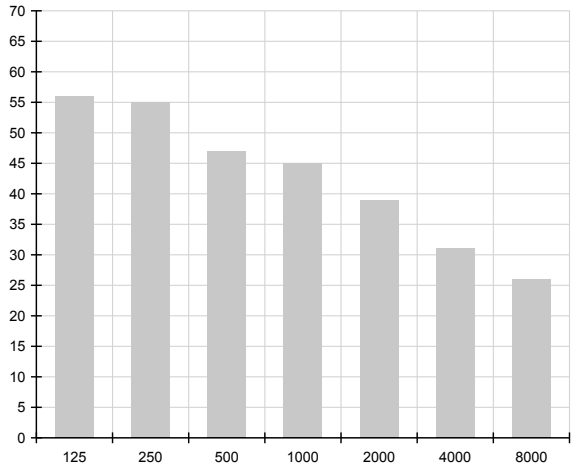
Unit: dB(A)

Model	Power
AC026HBLDKH/EU (ODU : AC026HCADKH/EU)	53.0
AC035HBLDKH/EU (ODU : AC035HCADKH/EU)	53.0
AC035HBMDKH/EU (ODU : AC035HCADKH/EU)	52.0
AC052HBLDKH/EU (ODU : AC052HCADKH/EU)	55.0

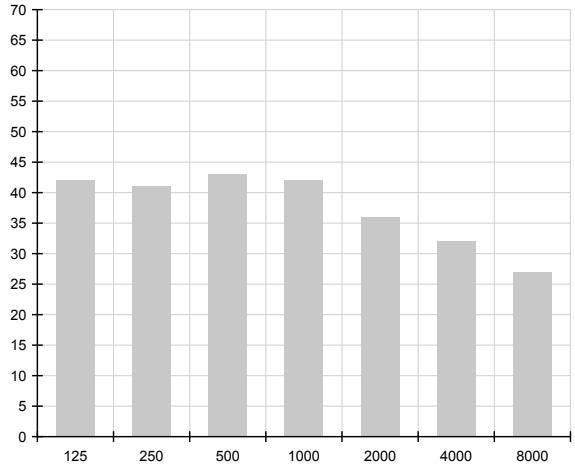
1) AC026HBLDKH/EU (ODU : AC026HCADKH/EU)



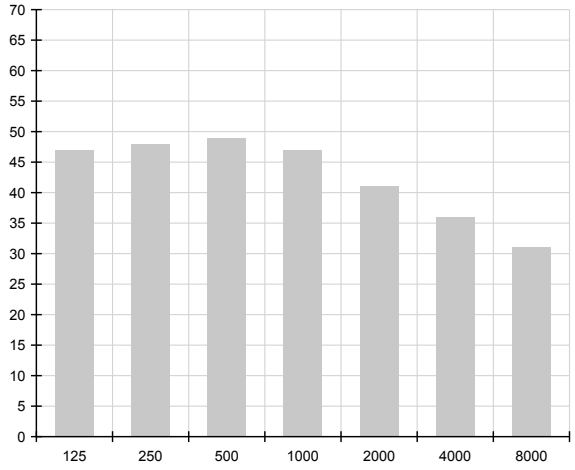
2) AC035HBLDKH/EU (ODU : AC035HCADKH/EU)



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



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



7 Sound power level

Duct S

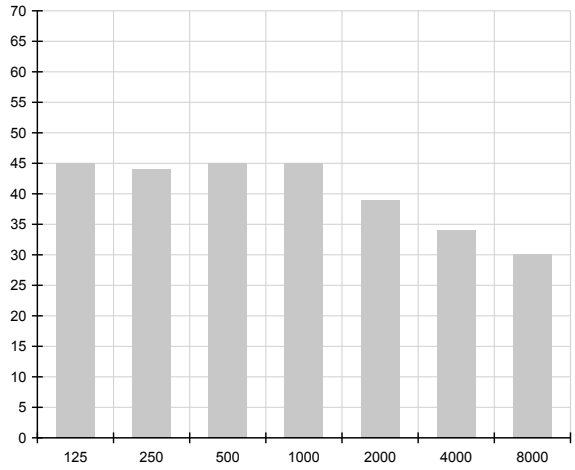
Note

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

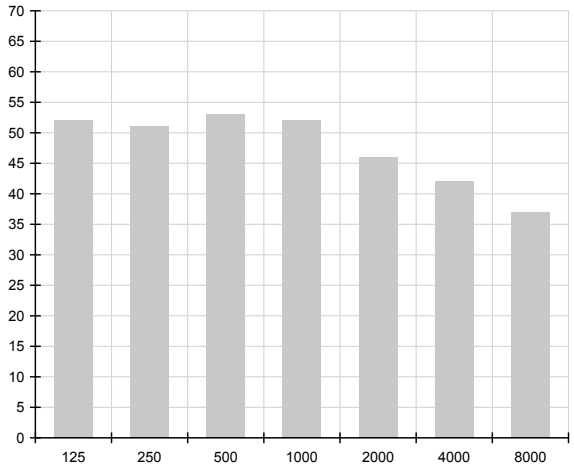
Unit: dB(A)

Model	Power
AC052HBMDKH/EU (ODU : AC052HCADKH/EU)	53.0
AC060HBMDKH/EU (ODU : AC060HCADKH/EU)	57.0
AC071HBLDKH/EU (ODU : AC071HCADKH/EU)	59.0
AC071HBMDKH/EU (ODU : AC071HCADKH/EU)	57.0

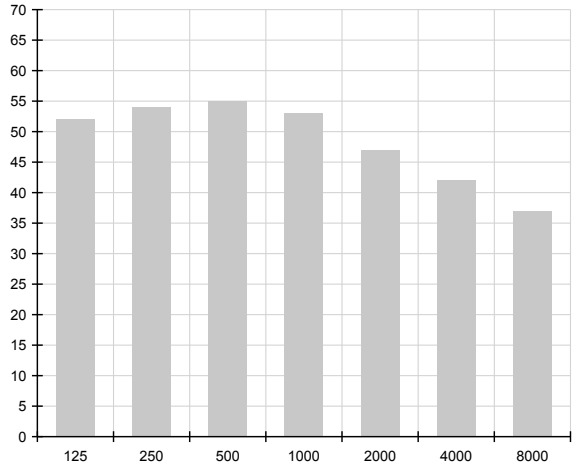
1) AC052HBMDKH/EU (ODU : AC052HCADKH/EU)



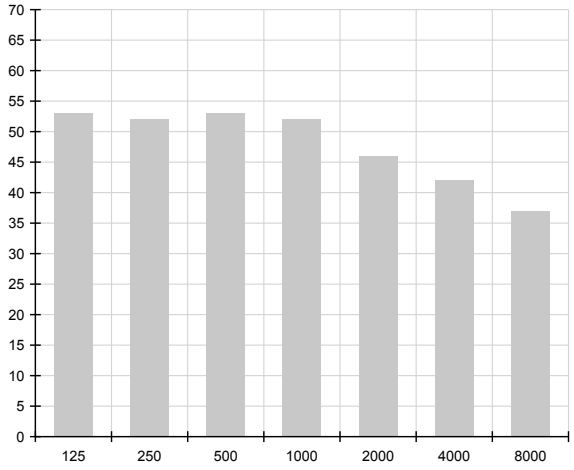
2) AC060HBMDKH/EU (ODU : AC060HCADKH/EU)



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



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



7 Sound power level

Duct S

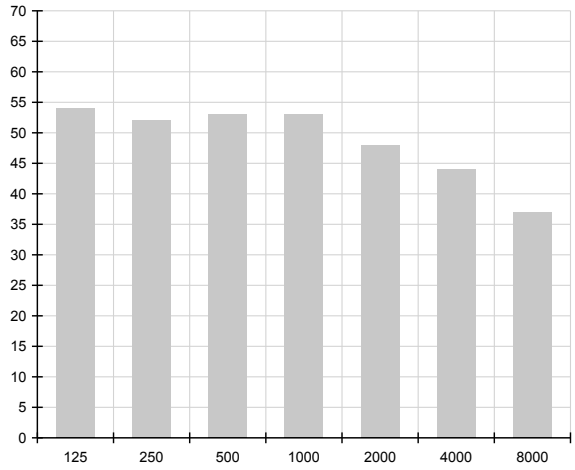
Note

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

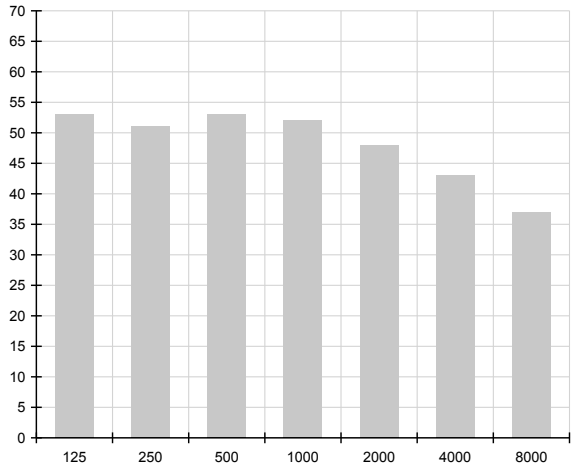
Unit: dB(A)

Model	Power
AC090HBMDKH/EU (ODU : AC090HCADKH/EU)	61.0
AC090HBMDKH/EU (ODU : AC090HCADNH/EU)	61.0
AC100HBMDKH/EU (ODU : AC100HCADNH/EU)	61.0
AC100HBMDKH/EU (ODU : AC100HCADKH/EU)	61.0

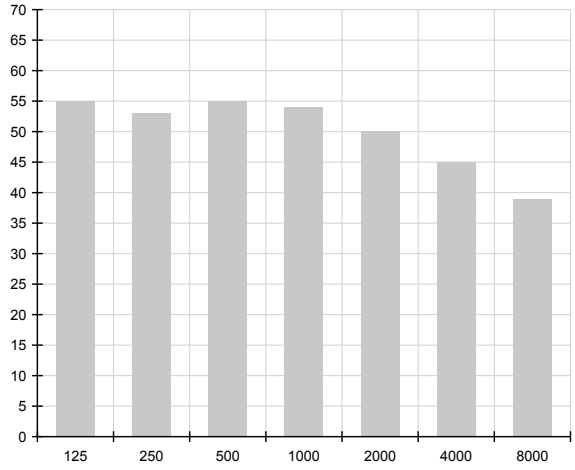
1) AC090HBMDKH/EU (ODU : AC090HCADKH/EU)



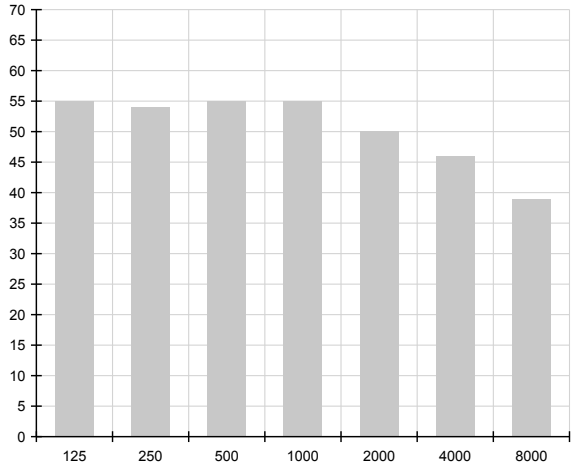
2) AC090HBMDKH/EU (ODU : AC090HCADNH/EU)



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



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



7 Sound power level

Duct S

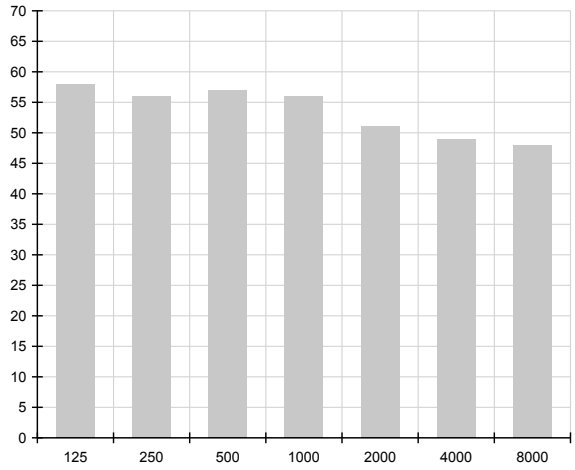
Note

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

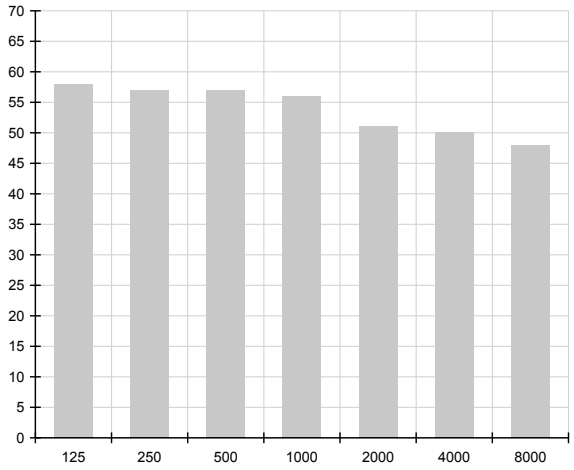
Unit: dB(A)

Model	Power
AC120HBMDKH/EU (ODU : AC120HCADNH/EU)	65.0
AC120HBMDKH/EU (ODU : AC120HCADKH/EU)	65.0
AC140HBMDKH/EU (ODU : AC140HCADNH/EU)	66.0
AC140HBMDKH/EU (ODU : AC140HCADKH/EU)	66.0

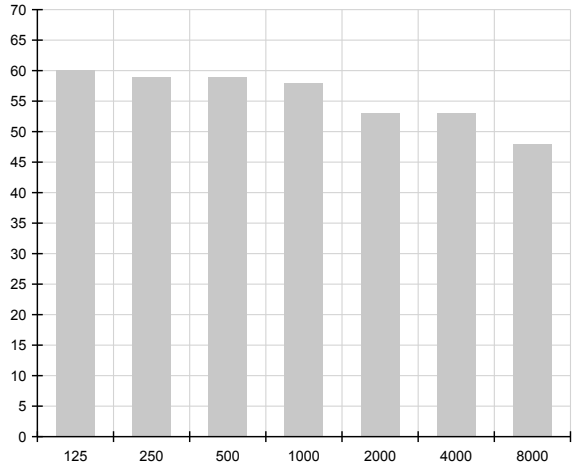
1) AC120HBMDKH/EU (ODU : AC120HCADNH/EU)



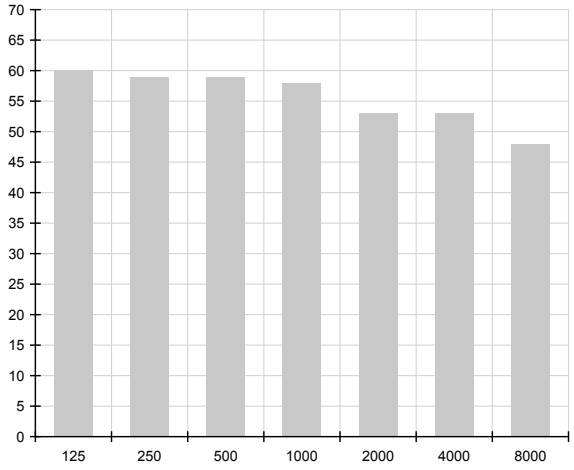
2) AC120HBMDKH/EU (ODU : AC120HCADKH/EU)



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



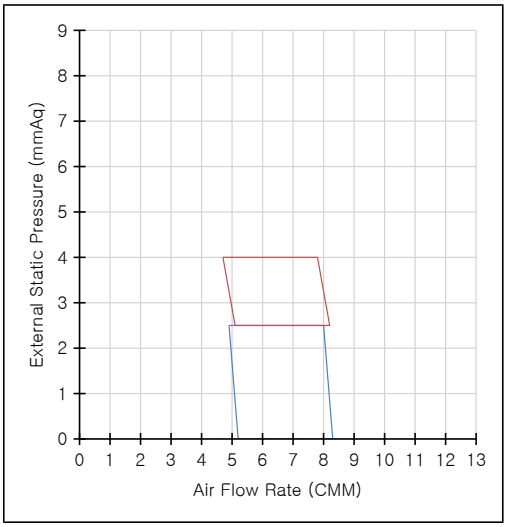
4) AC140HBMDKH/EU (ODU : AC140HCADKH/EU)



8 Recommended operation range

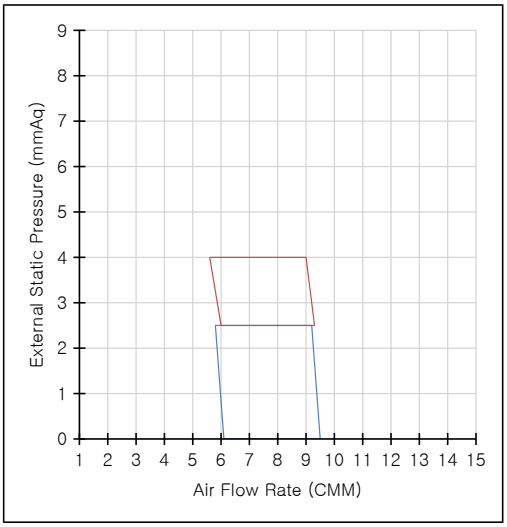
Duct S

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



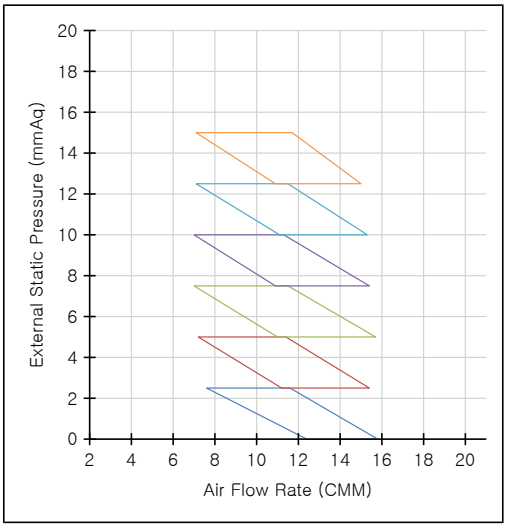
External Static Pressure (mmAq)	Option Code
0-2.5	01C06C-1C9914-271A21-370000
2.5-4	01C06C-1C9969-271A21-370000

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



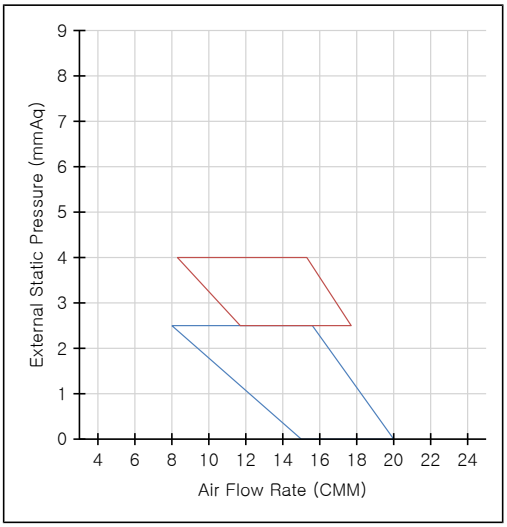
External Static Pressure (mmAq)	Option Code
0-2.5	01C06C-1C7936-272328-370000
2.5-4	01C06C-1C79AD-272328-370000

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

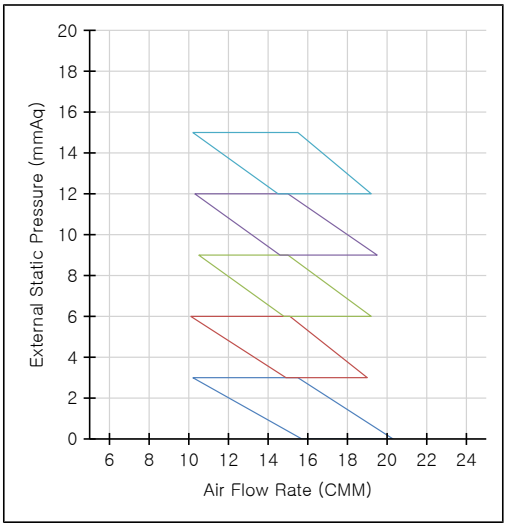
Note

- 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

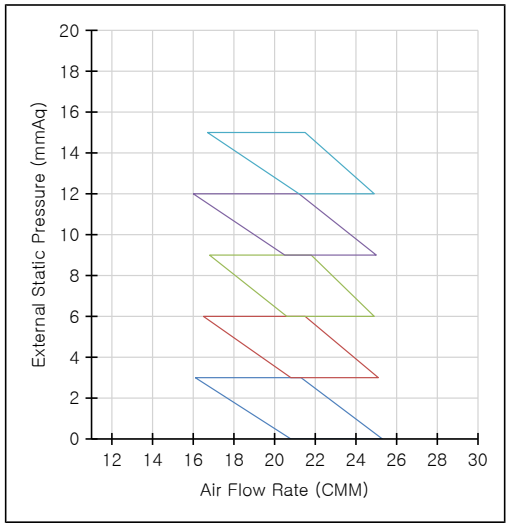
Duct S

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



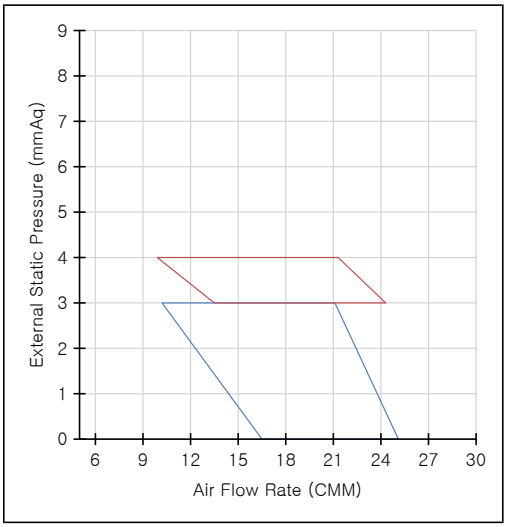
External Static Pressure (mmAq)	Option Code
0-3	01B06C-1C50E6-27323C-373000
3-6	01B06C-1C544D-27323C-373000
6-9	01B06C-1C55A4-27323C-373000
9-12	01B06C-1C591A-27323C-373000
12-15	01B06C-1C5A70-27323C-373000

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



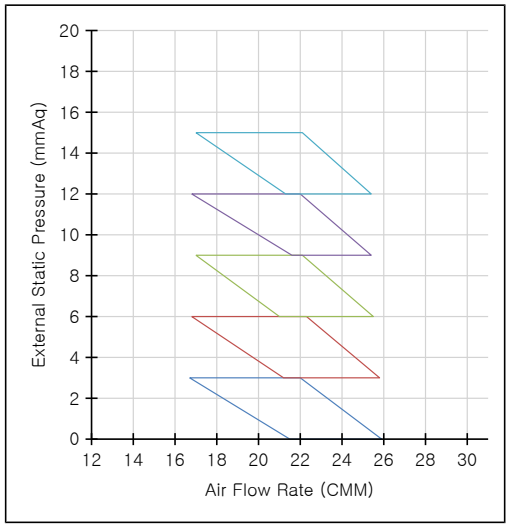
External Static Pressure (mmAq)	Option Code
0-3	01B06C-1C547F-273C46-372005
3-6	01B06C-1C55D5-273C46-372005
6-9	01B06C-1C592B-273C46-372005
9-12	01B06C-1C5A71-273C46-372005
12-15	01B06C-1C5AC8-273C46-372005

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)



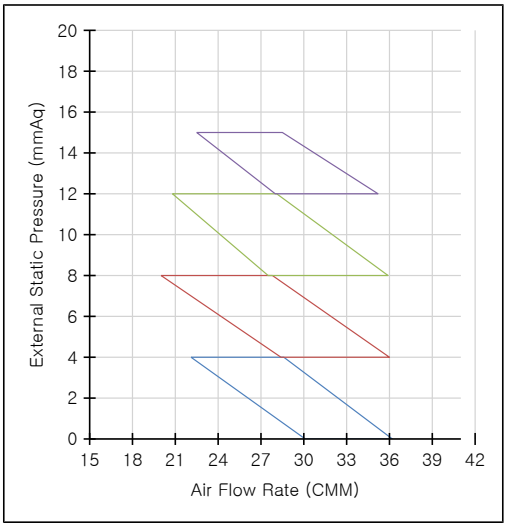
External Static Pressure (mmAq)	Option Code
0-3	01B06C-1C5580-274750-371005
3-6	01B06C-1C55E6-274750-371005
6-9	01B06C-1C593C-274750-371005
9-12	01B06C-1C5A82-274750-371005
12-15	01B06C-1C5AD9-274750-371005

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.

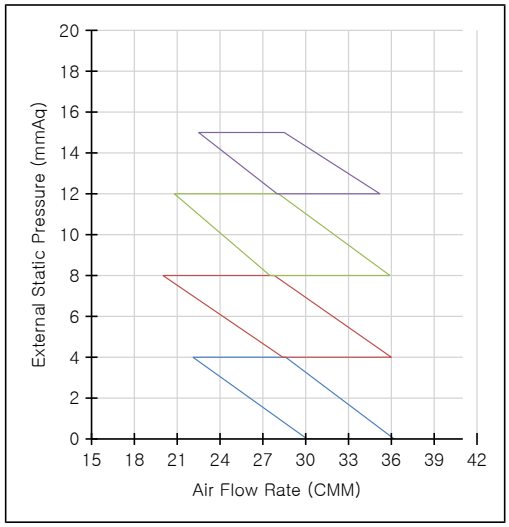
Duct S

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



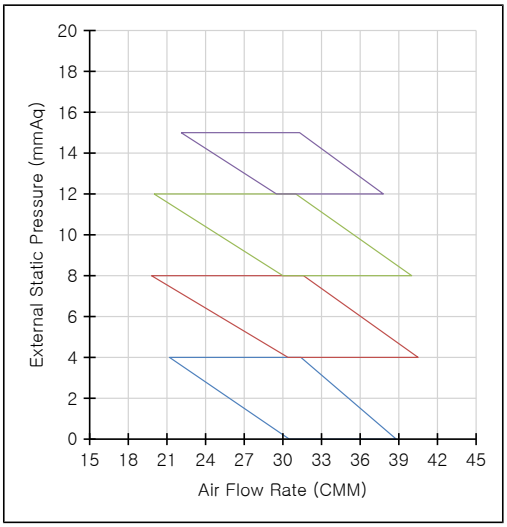
External Static Pressure (mmAq)	Option Code
0-4	01B06C-1C546F-275A64-372020
4-8	01B06C-1C55E8-275A64-372020
8-12	01B06C-1C5A61-275A64-372020
12-15	01B06C-1C5AC8-275A64-372020

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



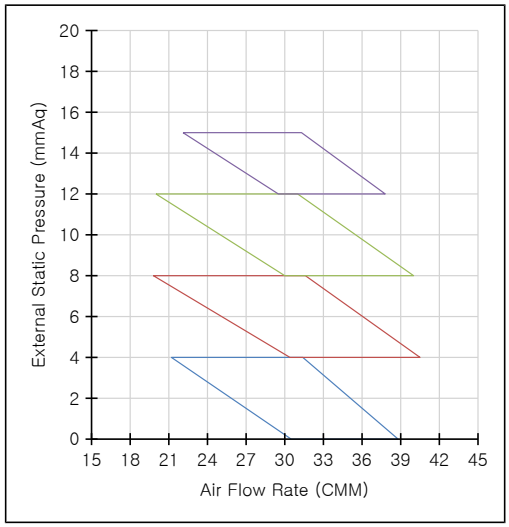
External Static Pressure (mmAq)	Option Code
0-4	01B06C-1C546F-275A64-372020
4-8	01B06C-1C55E8-275A64-372020
8-12	01B06C-1C5A61-275A64-372020
12-15	01B06C-1C5AC8-275A64-372020

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)



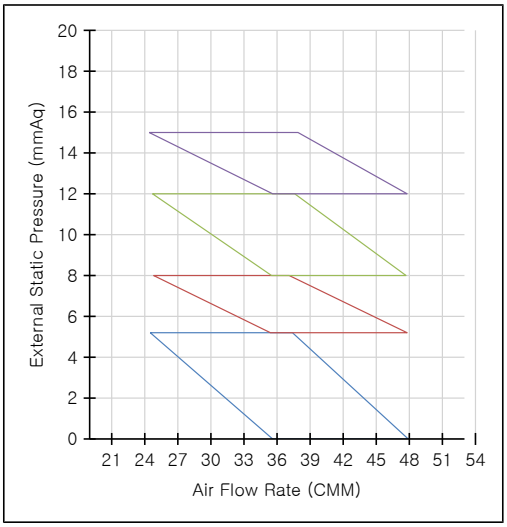
External Static Pressure (mmAq)	Option Code
0-4	01B06C-1C549F-276470-371020
4-8	01B06C-1C5928-276470-371020
8-12	01B06C-1C5AB1-276470-371020
12-15	01B06C-1C5AE8-276470-371020

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.

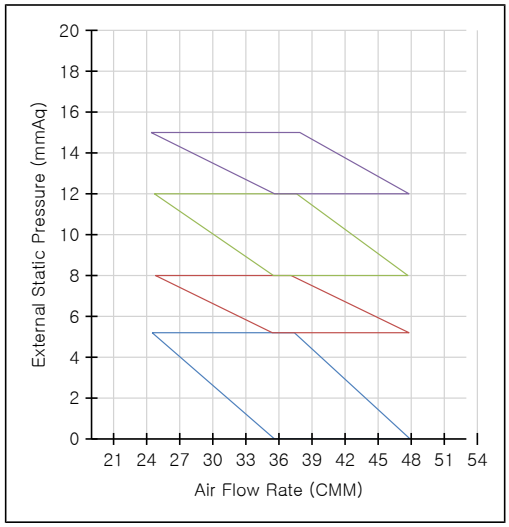
Duct S

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



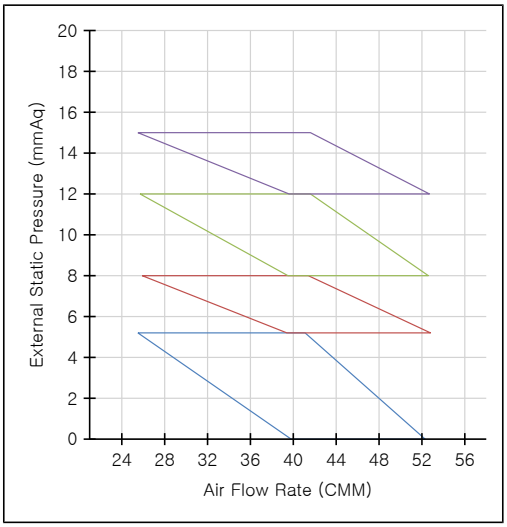
External Static Pressure (mmAq)	Option Code
0~5.2	01B06C-1C542C-277882-372045
5.2~8	01B06C-1C5572-277882-372045
8~12	01B06C-1C55EA-277882-372045
12~15	01B06C-1C592E-277882-372045

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



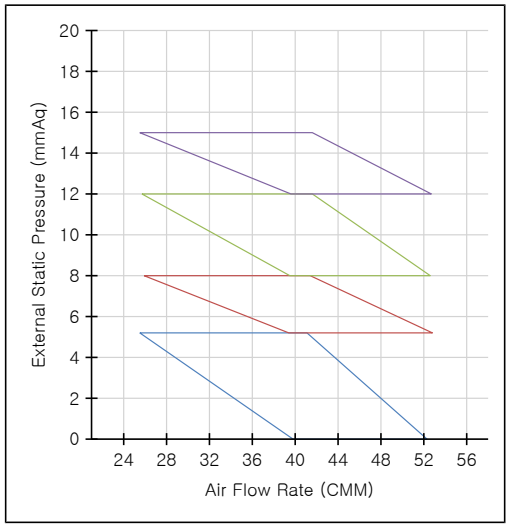
External Static Pressure (mmAq)	Option Code
0~5.2	01B06C-1C542C-277882-372045
5.2~8	01B06C-1C5572-277882-372045
8~12	01B06C-1C55EA-277882-372045
12~15	01B06C-1C592E-277882-372045

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

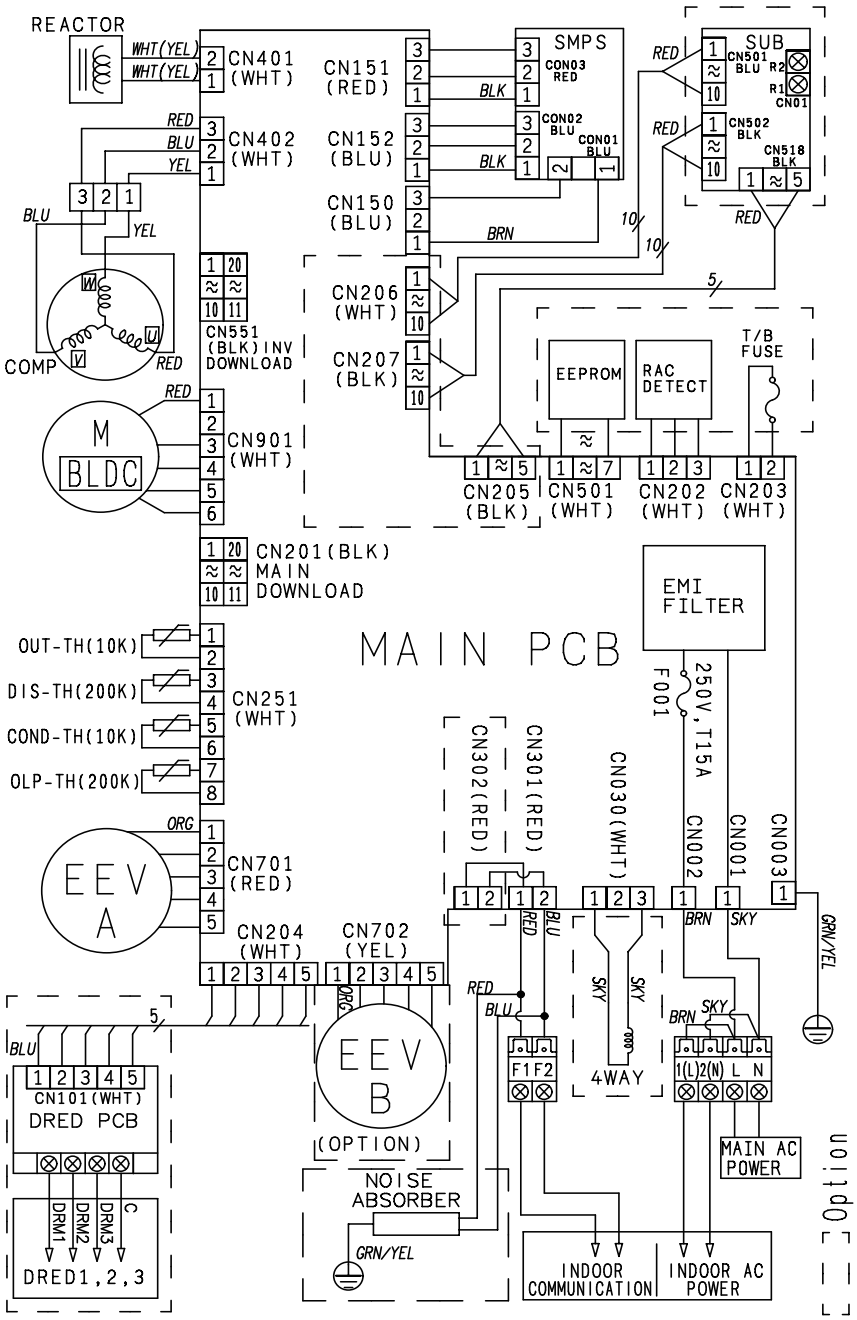
Note

- 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

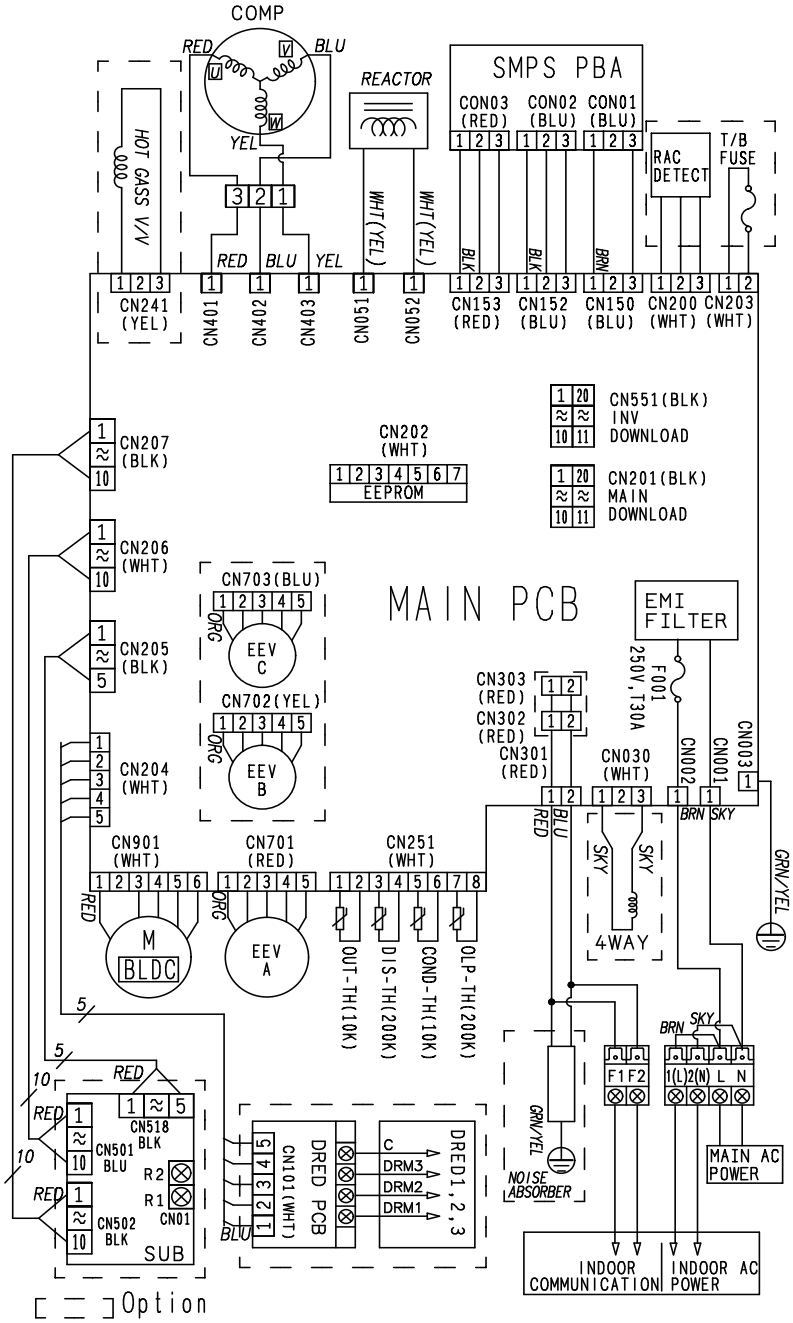
AC026HCADKH/EU, AC035HCADKH/EU



9 Electrical wiring diagram

Outdoor

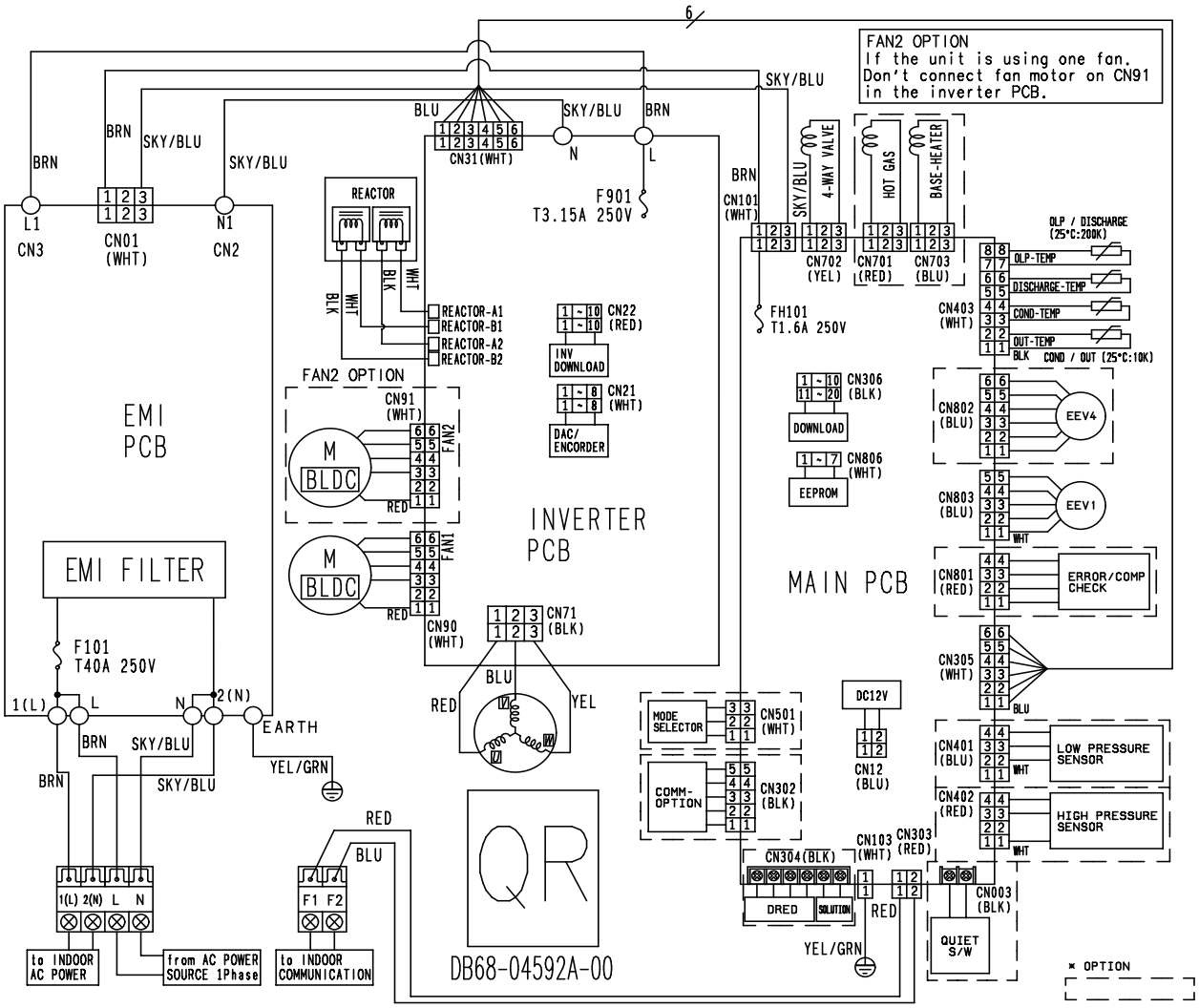
AC052HCADKH/EU, AC060HCADKH/EU, AC071HCADKH/EU



9 Electrical wiring diagram

Outdoor

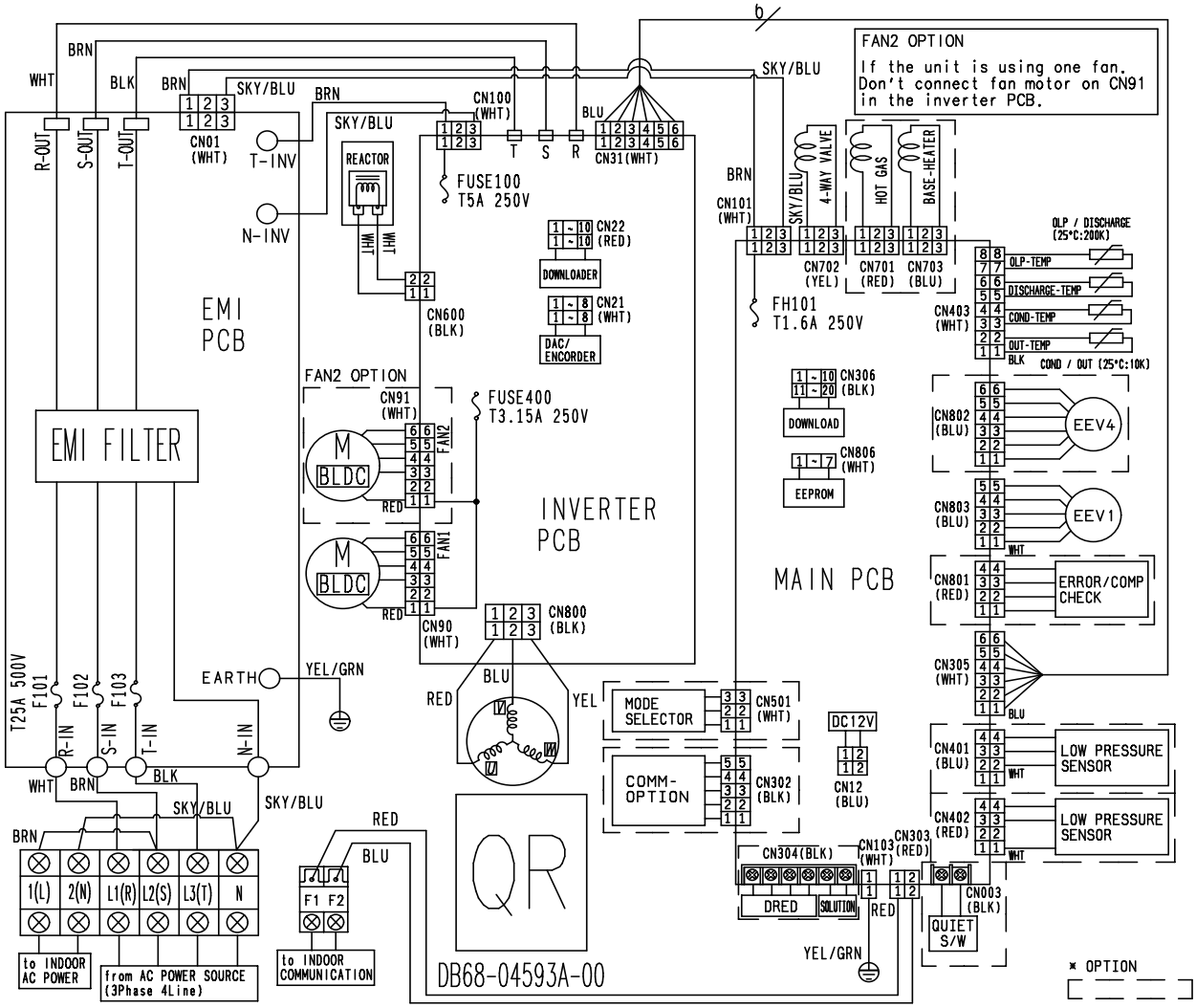
AC090HCADKH/EU, AC100HCADKH/EU, AC120HCADKH/EU, AC140HCADKH/EU



9 Electrical wiring diagram

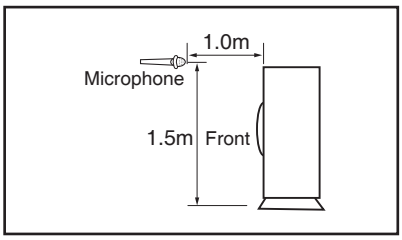
Outdoor

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



10 Sound pressure level

Outdoor



Unit: dB(A)

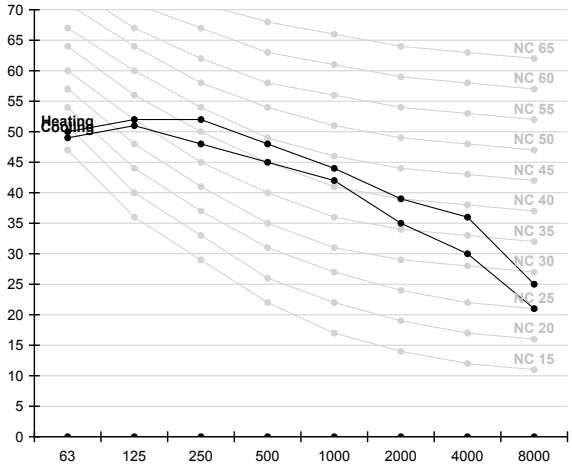
Model	Cooling	Heating
AC026HCADKH/EU (IDU : AC026HBLDKH/EU)	53.0	53.0
AC035HCADKH/EU (IDU : AC035HBLDKH/EU)	53.0	53.0
AC035HCADKH/EU (IDU : AC035HBMDKH/EU)	47.0	47.0
AC052HCADKH/EU (IDU : AC052HBLDKH/EU)	48.0	48.0

Note

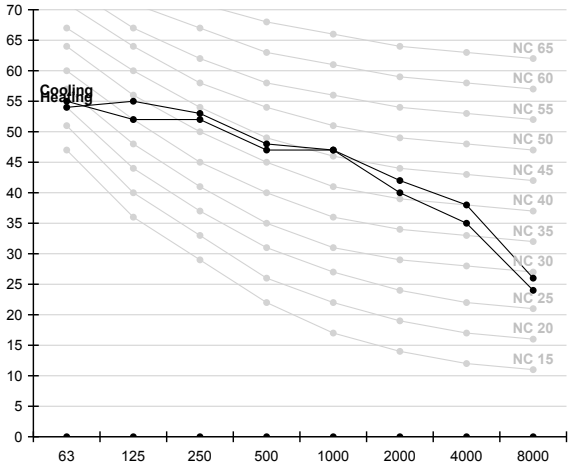
- These operation values were obtained in an anechoic room. Sound pressure level will vary depending on a range of factors such as the construction of the particular room where the equipment is installed.
- Operation sound level may differ depending on operation and ambient conditions.

NC curve

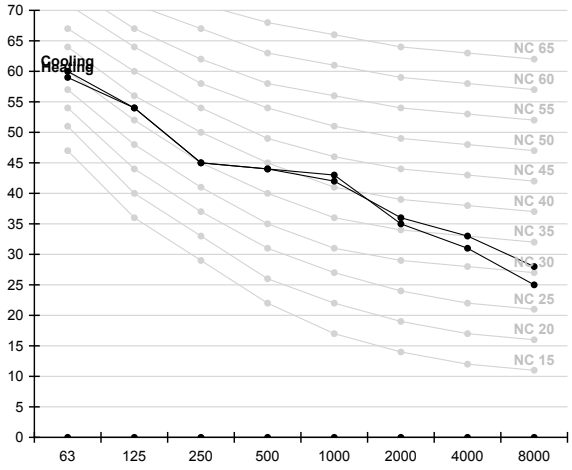
1) AC026HCADKH/EU (IDU : AC026HBLDKH/EU)



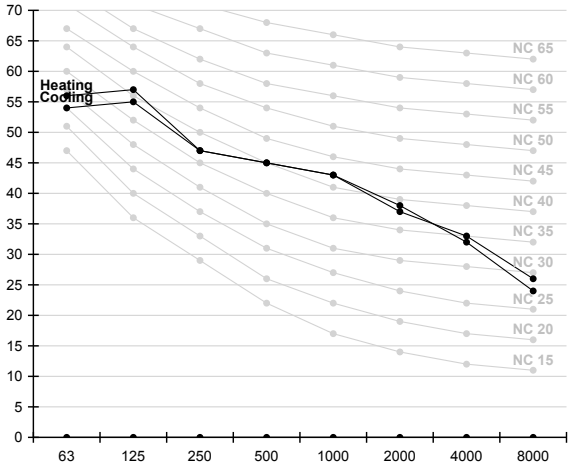
2) AC035HCADKH/EU (IDU : AC035HBLDKH/EU)



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

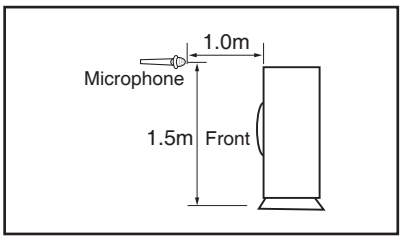


4) AC052HCADKH/EU (IDU : AC052HBLDKH/EU)



10 Sound pressure level

Outdoor



Unit: dB(A)

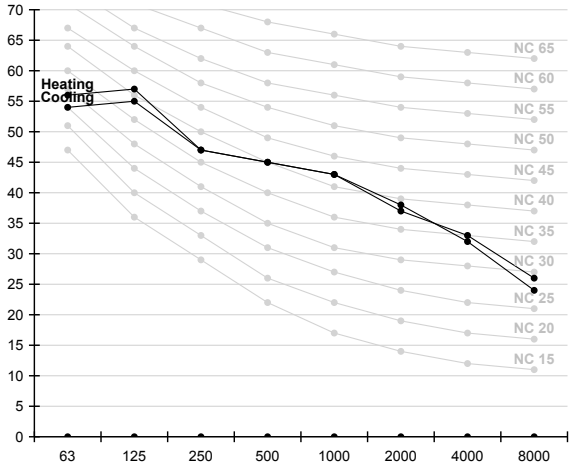
Model	Cooling	Heating
AC052HCADKH/EU (IDU : AC052HBMDKH/EU)	48.0	48.0
AC060HCADKH/EU (IDU : AC060HBMDKH/EU)	49.0	50.0
AC071HCADKH/EU (IDU : AC071HBLDKH/EU)	49.0	51.0
AC071HCADKH/EU (IDU : AC071HBMDKH/EU)	49.0	51.0

Note

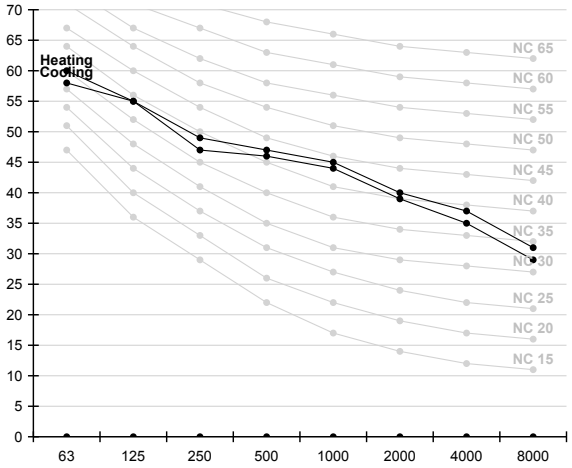
- These operation values were obtained in an anechoic room. Sound pressure level will vary depending on a range of factors such as the construction of the particular room where the equipment is installed.
- Operation sound level may differ depending on operation and ambient conditions.

NC curve

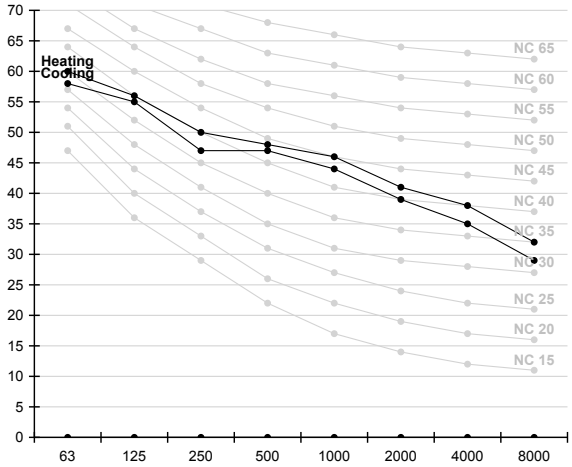
1) AC052HCADKH/EU (IDU : AC052HBMDKH/EU)



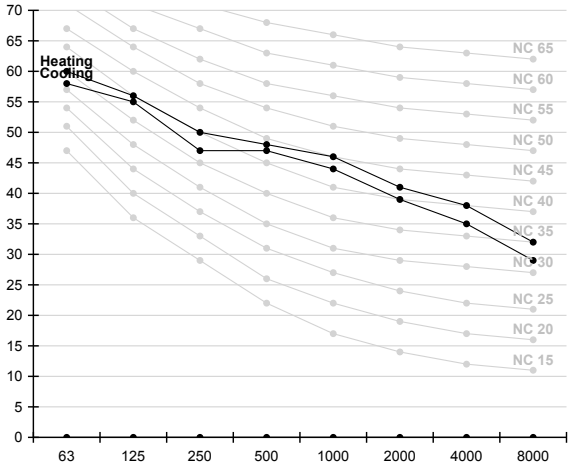
2) AC060HCADKH/EU (IDU : AC060HBMDKH/EU)



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

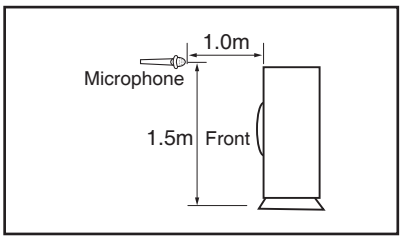


4) AC071HCADKH/EU (IDU : AC071HBMDKH/EU)



10 Sound pressure level

Outdoor



Unit: dB(A)

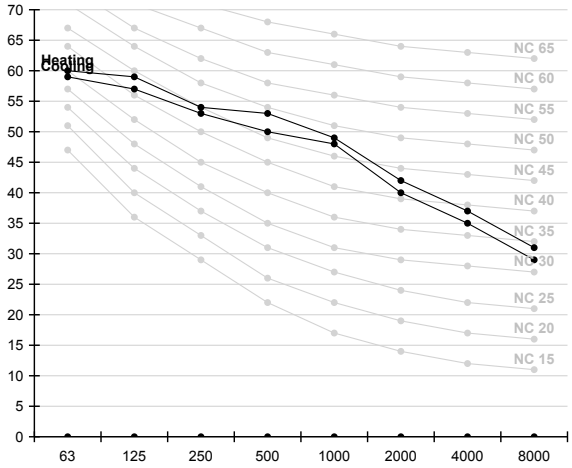
Model	Cooling	Heating
AC090HCADKH/EU (IDU : AC090HBMDKH/EU)	52.0	54.0
AC090HCADNH/EU (IDU : AC090HBMDKH/EU)	52.0	54.0
AC100HCADNH/EU (IDU : AC100HBMDKH/EU)	52.0	54.0
AC100HCADKH/EU (IDU : AC100HBMDKH/EU)	52.0	54.0

Note

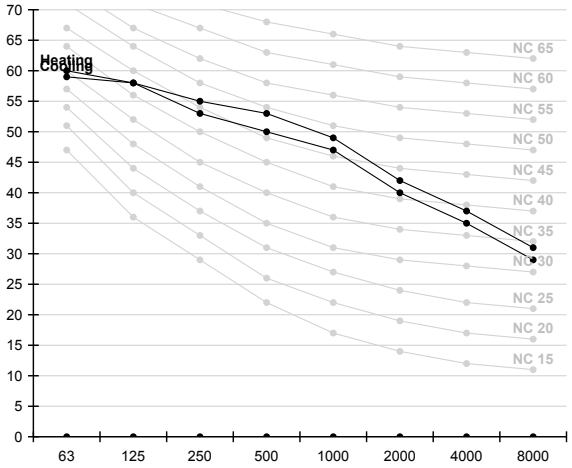
- These operation values were obtained in an anechoic room. Sound pressure level will vary depending on a range of factors such as the construction of the particular room where the equipment is installed.
- Operation sound level may differ depending on operation and ambient conditions.

NC curve

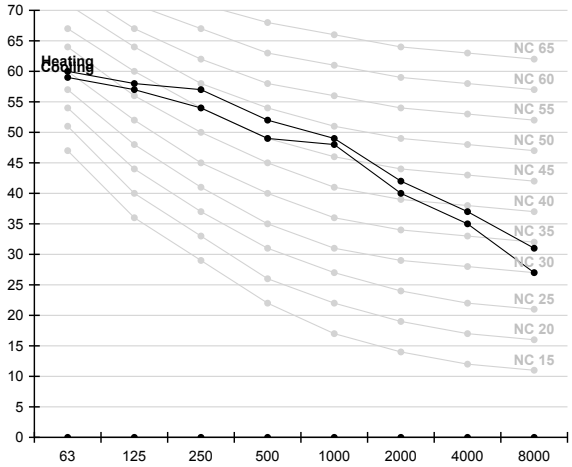
1) AC090HCADKH/EU (IDU : AC090HBMDKH/EU)



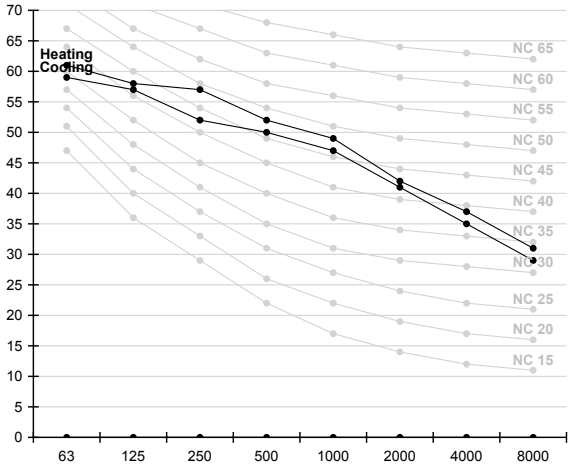
2) AC090HCADNH/EU (IDU : AC090HBMDKH/EU)



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

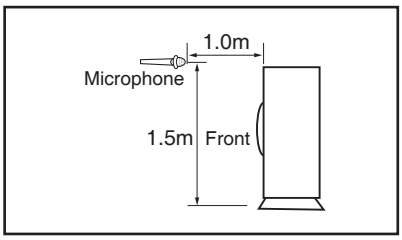


4) AC100HCADKH/EU (IDU : AC100HBMDKH/EU)



10 Sound pressure level

Outdoor



Unit: dB(A)

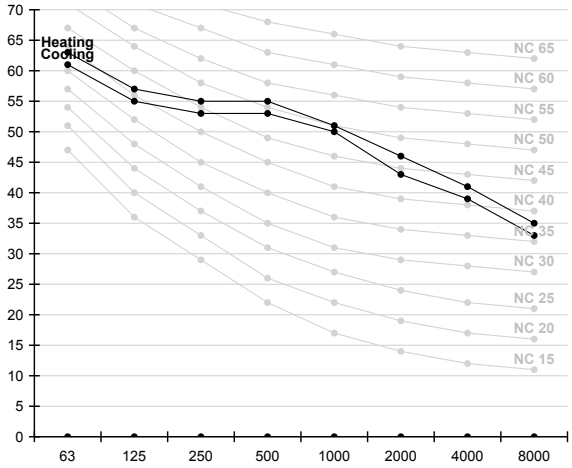
Model	Cooling	Heating
AC120HCADNH/EU (IDU : AC120HBMDKH/EU)	54.0	56.0
AC120HCADKH/EU (IDU : AC120HBMDKH/EU)	54.0	58.0
AC140HCADNH/EU (IDU : AC140HBMDKH/EU)	53.0	54.0
AC140HCADKH/EU (IDU : AC140HBMDKH/EU)	53.0	54.0

Note

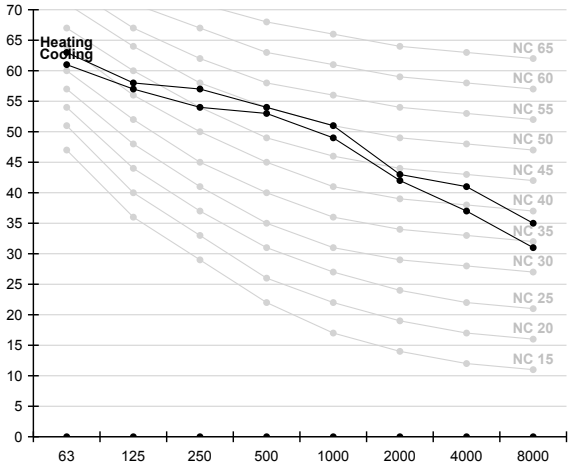
- These operation values were obtained in an anechoic room. Sound pressure level will vary depending on a range of factors such as the construction of the particular room where the equipment is installed.
- Operation sound level may differ depending on operation and ambient conditions.

NC curve

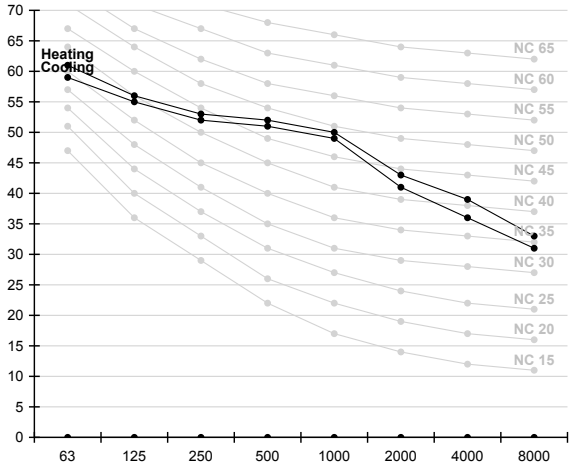
1) AC120HCADNH/EU (IDU : AC120HBMDKH/EU)



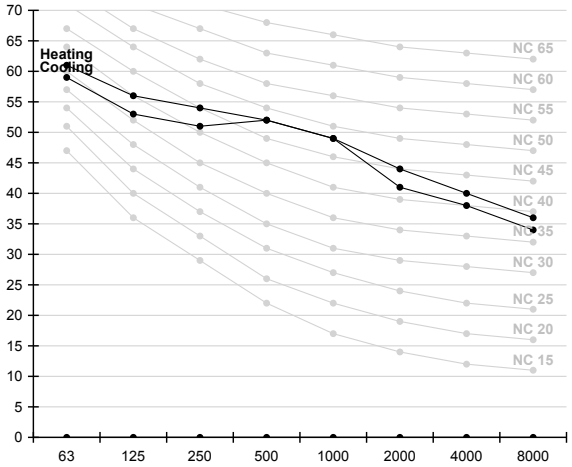
2) AC120HCADKH/EU (IDU : AC120HBMDKH/EU)



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



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



11 Sound power level

Outdoor

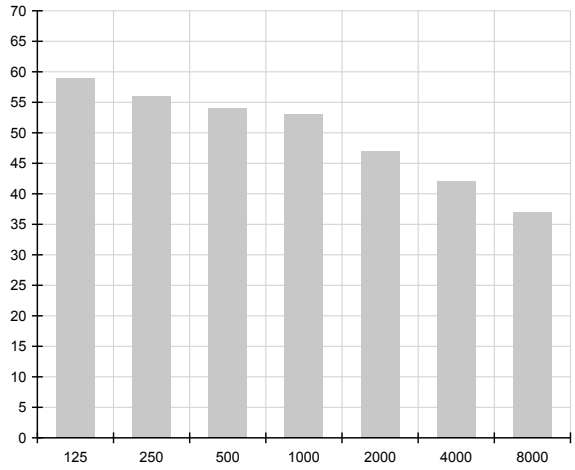
Note

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

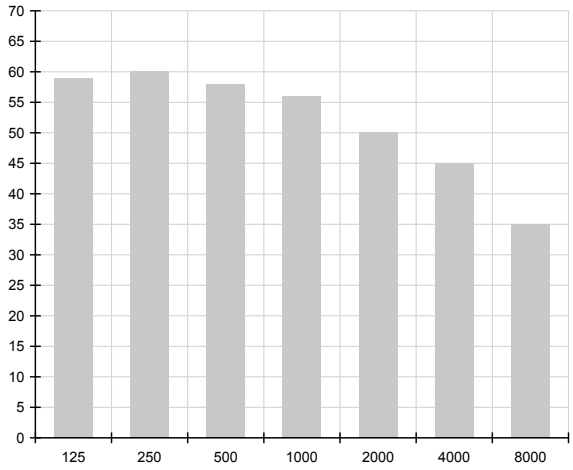
Unit: dB(A)

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

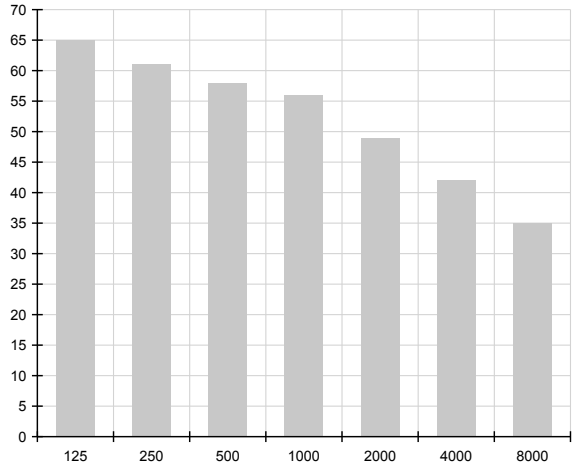
1) AC026HCADKH/EU (IDU : AC026HBLDKH/EU)



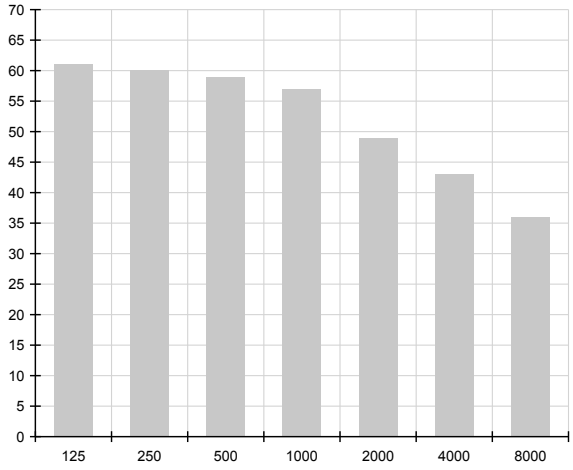
2) AC035HCADKH/EU (IDU : AC035HBLDKH/EU)



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



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



11 Sound power level

Outdoor

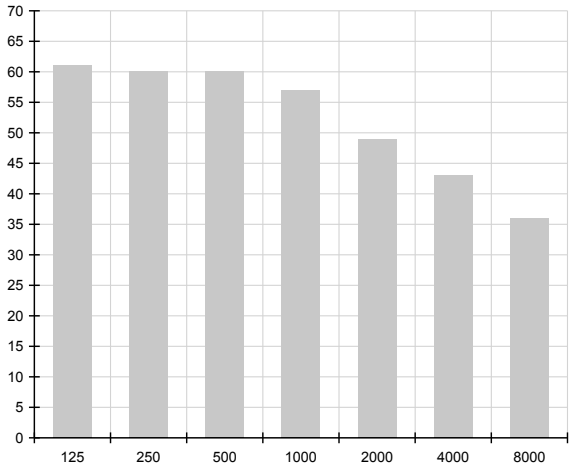
Note

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

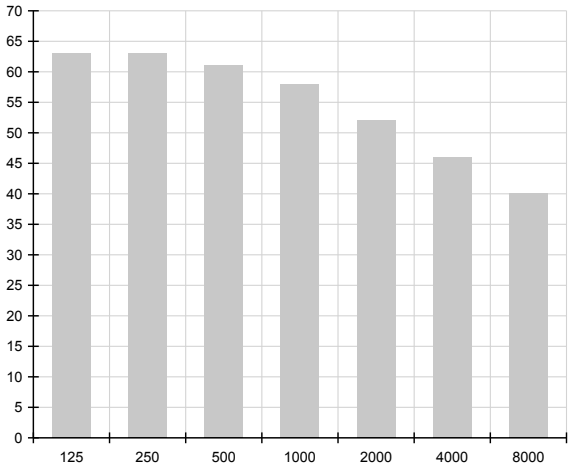
Unit: dB(A)

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

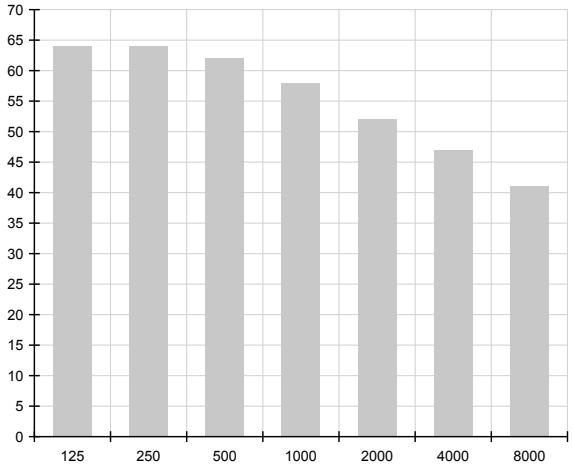
1) AC052HCADKH/EU (IDU : AC052HBMDKH/EU)



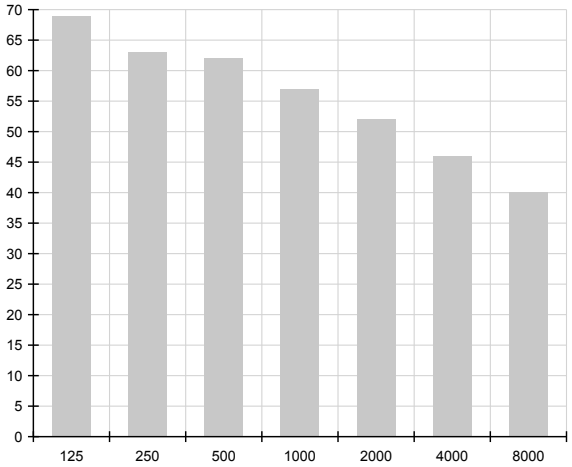
2) AC060HCADKH/EU (IDU : AC060HBMDKH/EU)



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



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



11 Sound power level

Outdoor

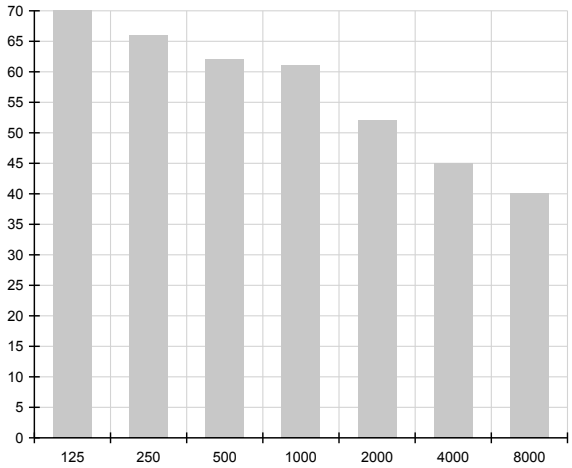
Note

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

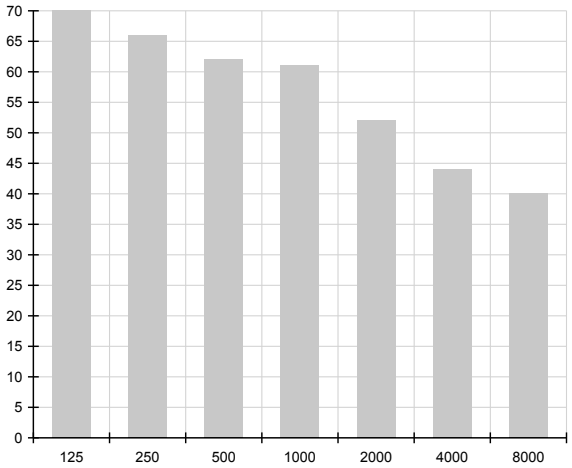
Unit: dB(A)

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

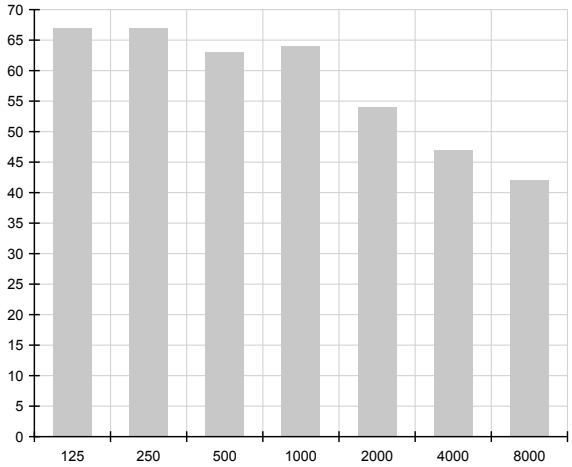
1) AC090HCADKH/EU (IDU : AC090HBMDKH/EU)



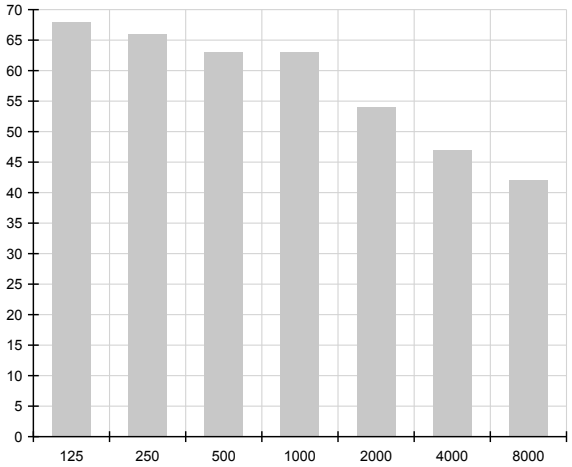
2) AC090HCADNH/EU (IDU : AC090HBMDKH/EU)



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



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



11 Sound power level

Outdoor

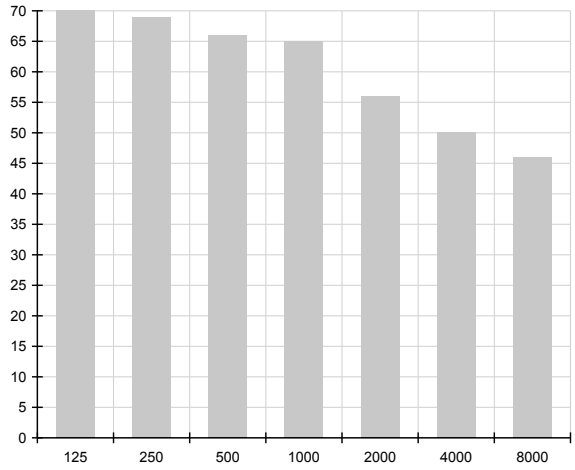
Note

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

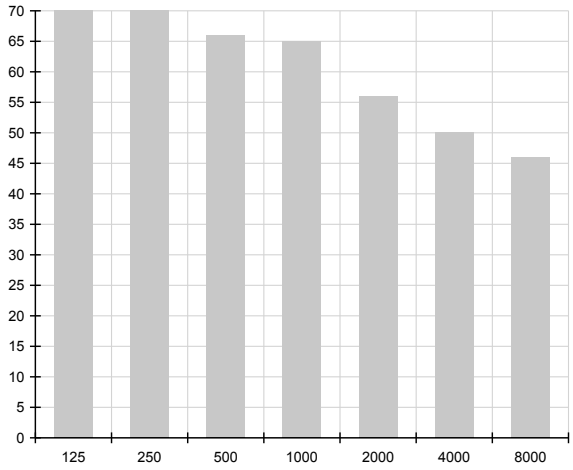
Unit: dB(A)

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

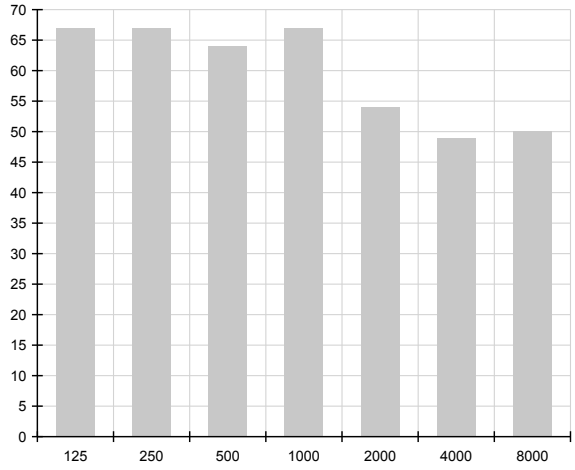
1) AC120HCADNH/EU (IDU : AC120HBMDKH/EU)



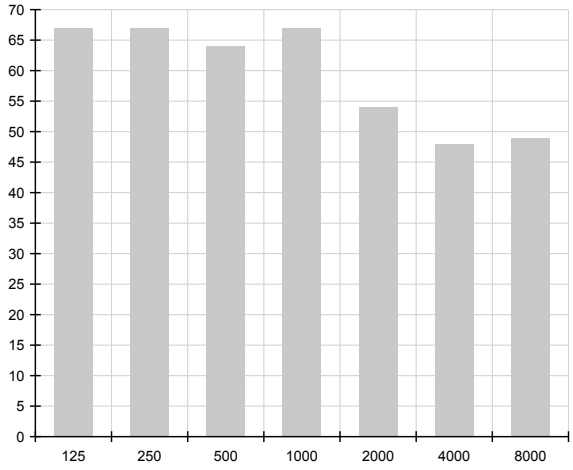
2) AC120HCADKH/EU (IDU : AC120HBMDKH/EU)



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



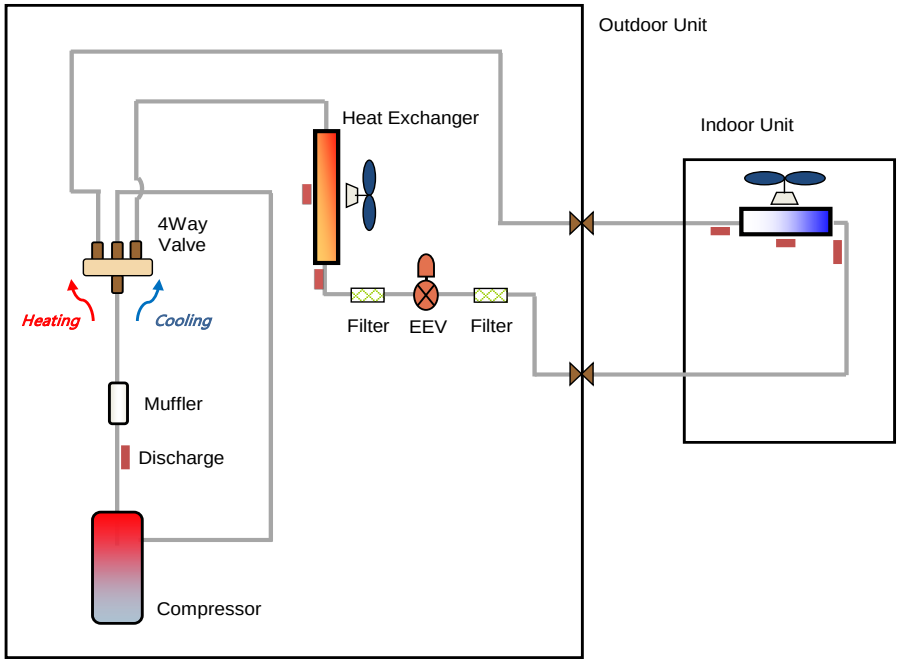
4) AC140HCADKH/EU (IDU : AC140HBMDKH/EU)



12 Cycle diagram

Outdoor

AC026HCADKH/EU, AC035HCADKH/EU

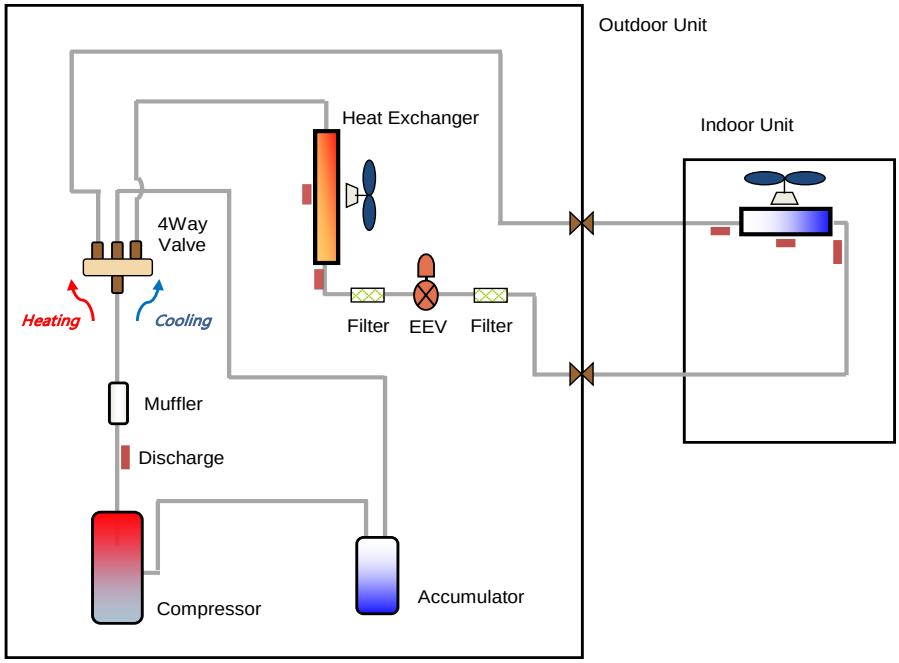


Category		Symbol	Description
Compressor			Rotary Inveter Compressor
Heat Exchanger			Condensing/Evaporating unit(FMC)
Filter			Filter
Valve	Expansion		Electronic Expansion Valve(EEV)
	Reversing		4 Way valve (Reversing valve)
	Service		Service valve
Senser	Temperature		Pip/Air Temperature sensor

12 Cycle diagram

Outdoor

AC052HCADKH/EU, AC060HCADKH/EU, AC071HCADKH/EU

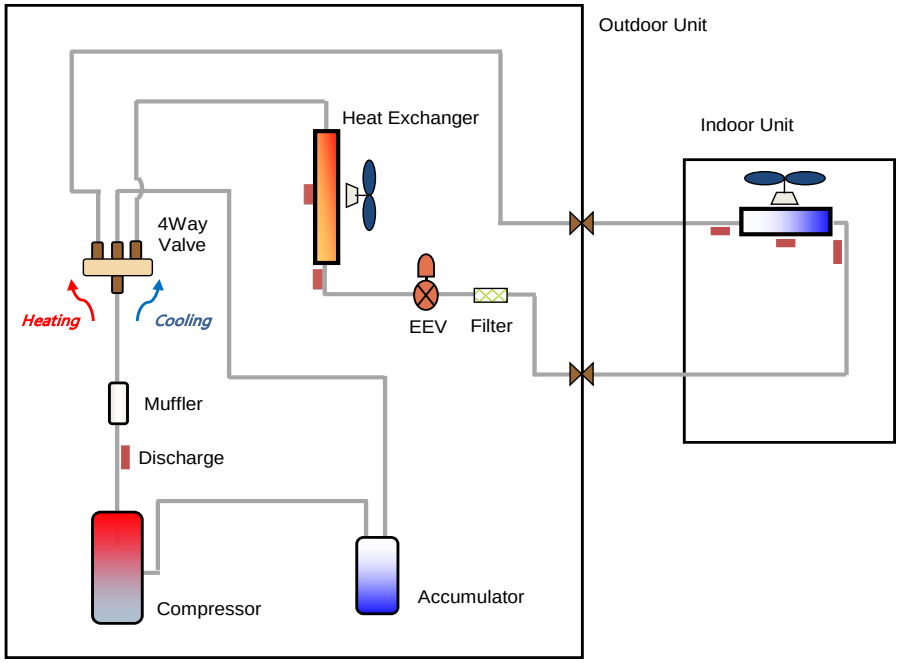


Category		Symbol	Description
Compressor			Rotary Inveter Compressor
Heat Exchanger			Condensing/Evaporating unit(FMC)
Accumulator			Accumulator
Filter			Filter
Valve	Expansion		Electronic Expansion Valve(EEV)
	Reversing		4 Way valve (Reversing valve)
	Service		Service valve
Senser	Temperature		Pip/Air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

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

13 Dimensional drawing

Outdoor

AC026HCADKH/EU, AC035HCADKH/EU

Units : mm / inches

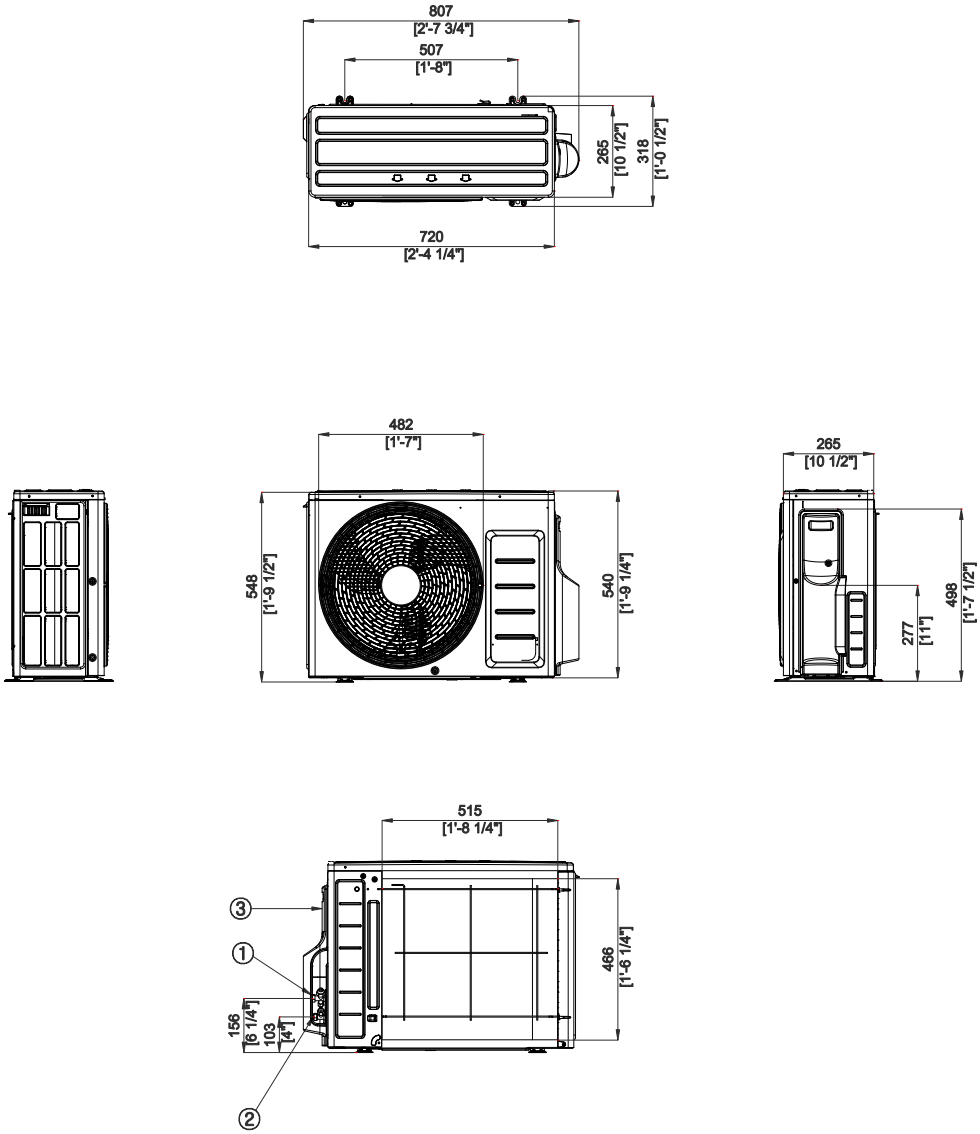


Table of descriptions			
1	Refrigerant gas pipe	7	
2	Refrigerant liquid pipe	8	
3	Power & Comm. wiring conduits	9	
4		10	
5		11	
6		12	

13 Dimensional drawing

Outdoor

AC052HCADKH/EU

Units : mm / inches

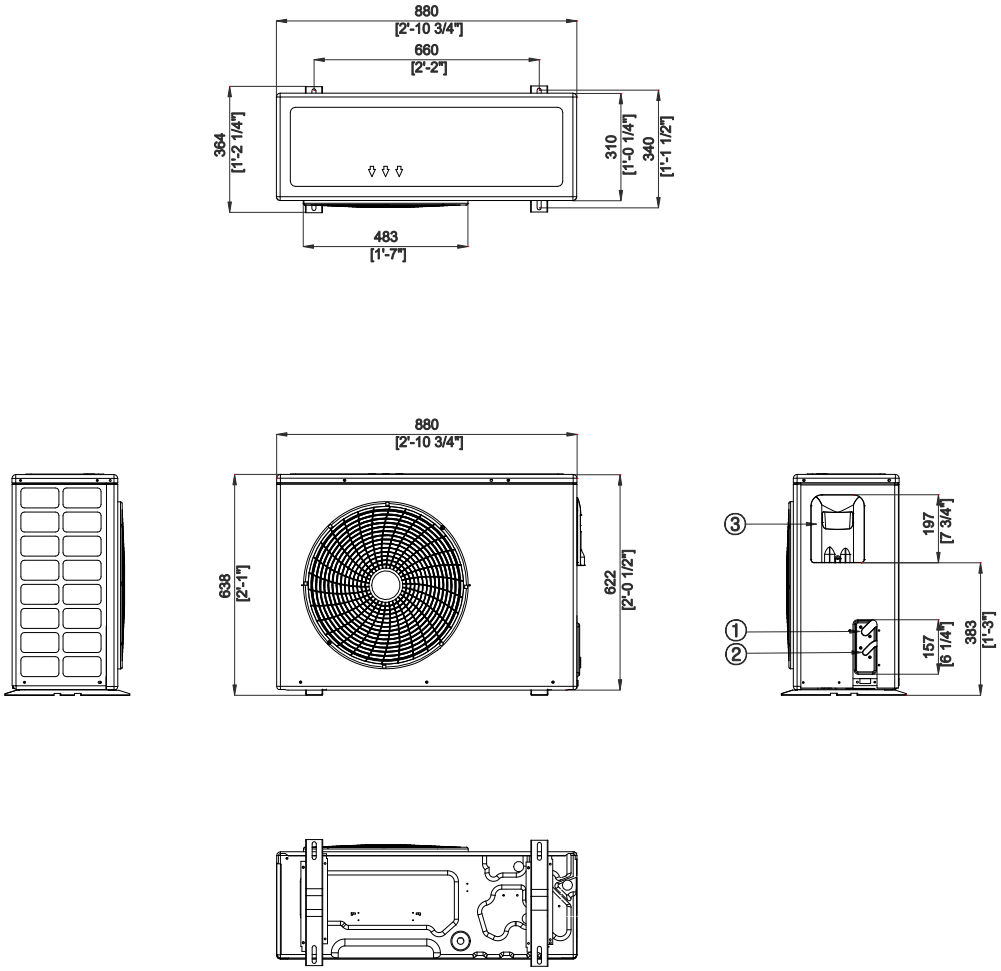


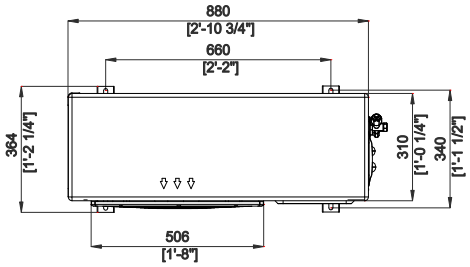
Table of descriptions			
1	Refrigerant gas pipe	7	
2	Refrigerant liquid pipe	8	
3	Power & Comm. wiring conduits	9	
4		10	
5		11	
6		12	

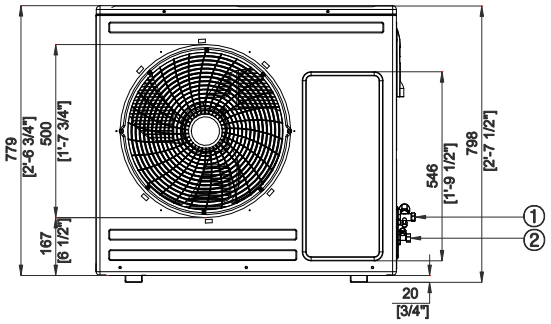
13 Dimensional drawing

Outdoor

AC060HCADKH/EU, AC071HCADKH/EU

Units : mm / inches





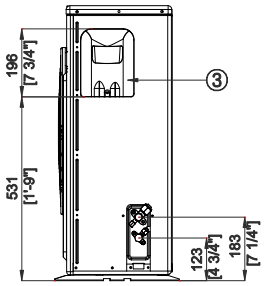


Table of descriptions			
1	Refrigerant gas pipe	7	
2	Refrigerant liquid pipe	8	
3	Power & Comm. wiring conduits	9	
4		10	
5		11	
6		12	

13 Dimensional drawing

Outdoor

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

Units : mm / inches

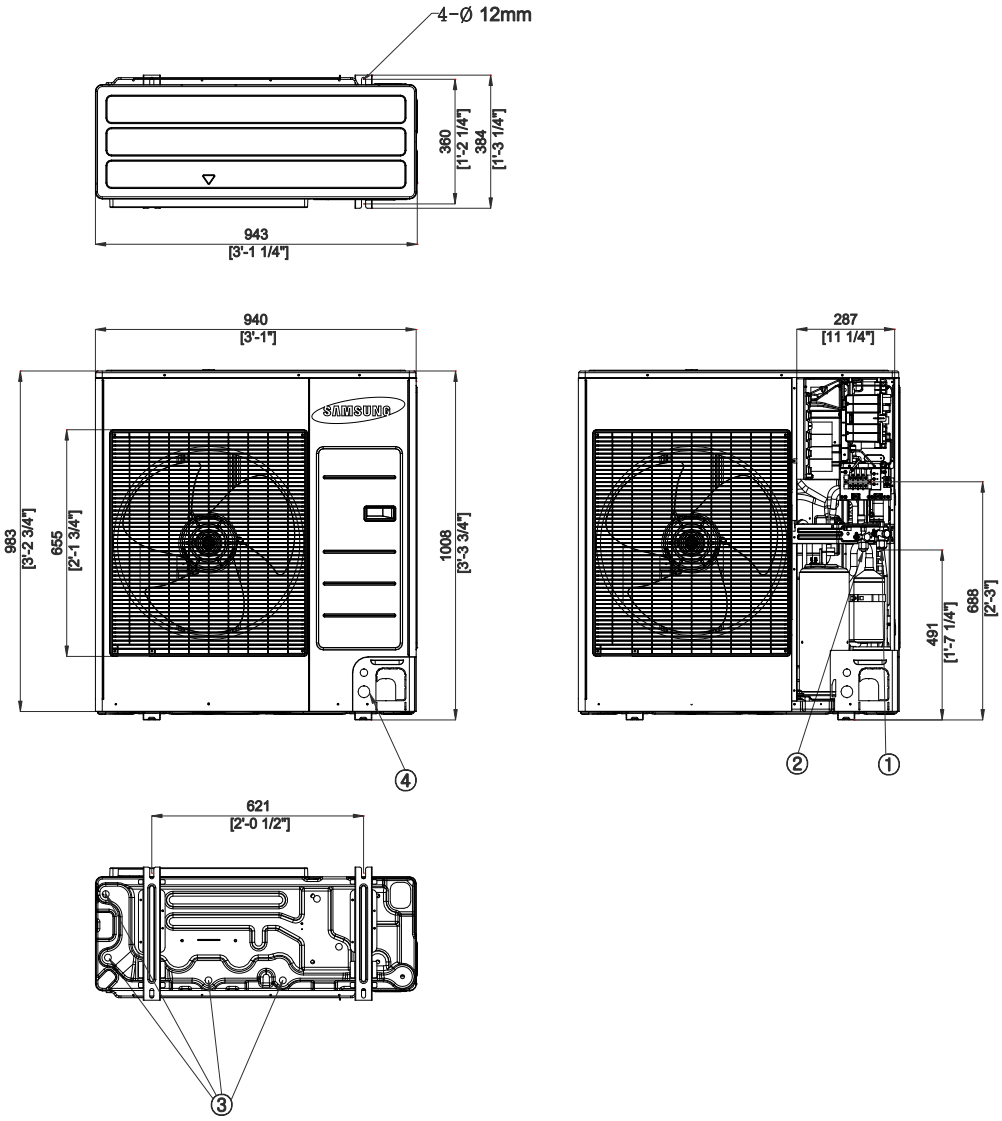


Table of descriptions			
1	Refrigerant gas pipe	7	
2	Refrigerant liquid pipe	8	
3	Drain Hole	9	
4	Power & Comm. wiring conduits	10	
5		11	
6		12	

13 Dimensional drawing

Outdoor

AC140HCADKH/EU, AC140HCADNH/EU

Units : mm / inches

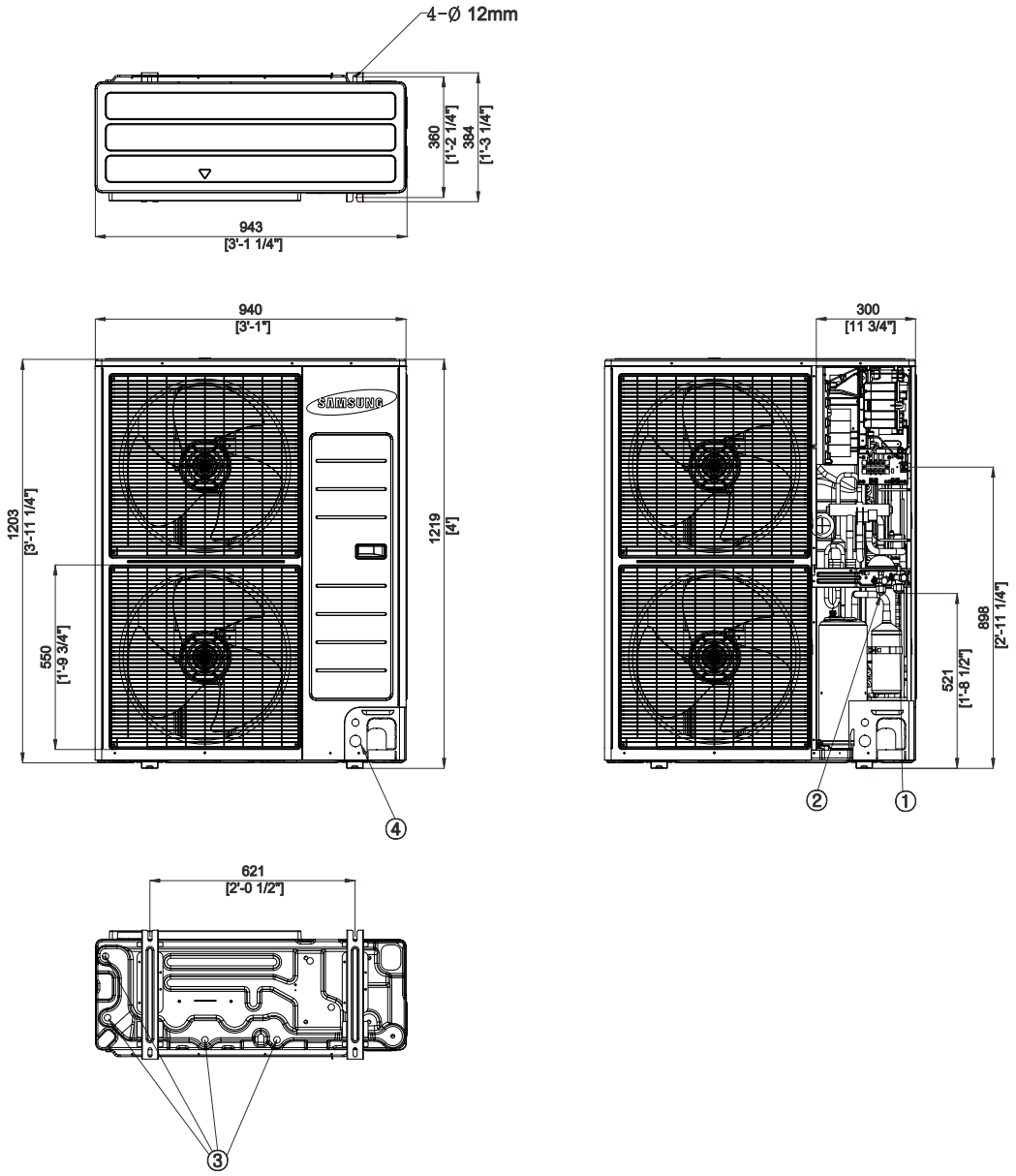


Table of descriptions			
1	Refrigerant gas pipe	7	
2	Refrigerant liquid pipe	8	
3	Drain Hole	9	
4	Power & Comm. wiring conduits	10	
5		11	
6		12	

14 Capacity correction

Outdoor

AC026HBLDKH/EU + AC026HCADKH/EU

Cooling

Level Difference (m)	Pipe Length (m)														
	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75
15	-	-	-	0.97	-	-	-	-	-	-	-	-	-	-	-
10	-	-	0.98	0.97	-	-	-	-	-	-	-	-	-	-	-
5	-	0.99	0.98	0.97	-	-	-	-	-	-	-	-	-	-	-
0	1.00	0.99	0.98	0.97	-	-	-	-	-	-	-	-	-	-	-
-5	-	0.99	0.98	0.95	-	-	-	-	-	-	-	-	-	-	-
-10	-	-	0.97	0.94	-	-	-	-	-	-	-	-	-	-	-
-15	-	-	-	0.90	-	-	-	-	-	-	-	-	-	-	-

Heating

Level Difference (m)	Pipe Length (m)														
	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75
15	-	-	-	0.97	-	-	-	-	-	-	-	-	-	-	-
10	-	-	0.98	0.97	-	-	-	-	-	-	-	-	-	-	-
5	-	0.99	0.98	0.97	-	-	-	-	-	-	-	-	-	-	-
0	1.00	0.99	0.98	0.97	-	-	-	-	-	-	-	-	-	-	-
-5	-	0.99	0.98	0.97	-	-	-	-	-	-	-	-	-	-	-
-10	-	-	0.98	0.97	-	-	-	-	-	-	-	-	-	-	-
-15	-	-	-	0.97	-	-	-	-	-	-	-	-	-	-	-

AC035HBLDKH/EU + AC035HCADKH/EU

Cooling

Level Difference (m)	Pipe Length (m)														
	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75
15	-	-	-	0.92	-	-	-	-	-	-	-	-	-	-	-
10	-	-	0.98	0.92	-	-	-	-	-	-	-	-	-	-	-
5	-	0.99	0.98	0.92	-	-	-	-	-	-	-	-	-	-	-
0	1.00	0.99	0.98	0.92	-	-	-	-	-	-	-	-	-	-	-
-5	-	0.99	0.96	0.92	-	-	-	-	-	-	-	-	-	-	-
-10	-	-	0.92	0.91	-	-	-	-	-	-	-	-	-	-	-
-15	-	-	-	0.90	-	-	-	-	-	-	-	-	-	-	-

Heating

Level Difference (m)	Pipe Length (m)														
	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75
15	-	-	-	0.94	-	-	-	-	-	-	-	-	-	-	-
10	-	-	0.98	0.94	-	-	-	-	-	-	-	-	-	-	-
5	-	0.99	0.98	0.94	-	-	-	-	-	-	-	-	-	-	-
0	1.00	0.99	0.98	0.94	-	-	-	-	-	-	-	-	-	-	-
-5	-	0.99	0.98	0.94	-	-	-	-	-	-	-	-	-	-	-
-10	-	-	0.98	0.94	-	-	-	-	-	-	-	-	-	-	-
-15	-	-	-	0.94	-	-	-	-	-	-	-	-	-	-	-

14 Capacity correction

Outdoor

AC035HBMDKH/EU + AC035HCADKH/EU

Cooling

Level Difference (m)	Pipe Length (m)														
	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75
15	-	-	-	0.92	-	-	-	-	-	-	-	-	-	-	-
10	-	-	0.95	0.92	-	-	-	-	-	-	-	-	-	-	-
5	-	0.97	0.95	0.92	-	-	-	-	-	-	-	-	-	-	-
0	1.00	0.97	0.95	0.92	-	-	-	-	-	-	-	-	-	-	-
-5	-	0.97	0.94	0.92	-	-	-	-	-	-	-	-	-	-	-
-10	-	-	0.92	0.91	-	-	-	-	-	-	-	-	-	-	-
-15	-	-	-	0.90	-	-	-	-	-	-	-	-	-	-	-

Heating

Level Difference (m)	Pipe Length (m)														
	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75
15	-	-	-	0.92	-	-	-	-	-	-	-	-	-	-	-
10	-	-	0.95	0.92	-	-	-	-	-	-	-	-	-	-	-
5	-	0.97	0.95	0.92	-	-	-	-	-	-	-	-	-	-	-
0	1.00	0.97	0.95	0.92	-	-	-	-	-	-	-	-	-	-	-
-5	-	0.97	0.95	0.92	-	-	-	-	-	-	-	-	-	-	-
-10	-	-	0.95	0.92	-	-	-	-	-	-	-	-	-	-	-
-15	-	-	-	0.92	-	-	-	-	-	-	-	-	-	-	-

AC052HBLDKH/EU + AC052HCADKH/EU

Cooling

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

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

14 Capacity correction

Outdoor

AC052HBMDKH/EU + AC052HCADKH/EU

Cooling

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

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

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

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

AC071HBLDKH/EU + AC071HCADKH/EU

Cooling

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

Heating

Level Difference (m)	Pipe Length (m)														
	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75
30	-	-	-	-	-	0.94	0.93	0.92	0.91	0.90	-	-	-	-	-
25	-	-	-	-	0.96	0.94	0.93	0.92	0.91	0.90	-	-	-	-	-
20	-	-	-	0.97	0.96	0.94	0.93	0.92	0.91	0.90	-	-	-	-	-
15	-	-	0.98	0.97	0.96	0.94	0.93	0.92	0.91	0.90	-	-	-	-	-
10	-	0.99	0.98	0.97	0.96	0.94	0.93	0.92	0.91	0.90	-	-	-	-	-
5	1.00	0.99	0.98	0.97	0.96	0.94	0.93	0.92	0.91	0.90	-	-	-	-	-
0	1.00	0.99	0.98	0.97	0.96	0.94	0.93	0.92	0.91	0.90	-	-	-	-	-
-5	1.00	0.99	0.98	0.97	0.96	0.94	0.93	0.92	0.91	0.90	-	-	-	-	-
-10	-	0.99	0.98	0.97	0.96	0.94	0.93	0.92	0.91	0.90	-	-	-	-	-
-15	-	-	0.98	0.97	0.96	0.94	0.93	0.92	0.91	0.90	-	-	-	-	-
-20	-	-	-	0.97	0.96	0.94	0.93	0.92	0.91	0.90	-	-	-	-	-
-25	-	-	-	-	0.96	0.94	0.93	0.92	0.91	0.90	-	-	-	-	-
-30	-	-	-	-	-	0.94	0.93	0.92	0.91	0.90	-	-	-	-	-

AC071HBMDKH/EU + AC071HCADKH/EU

Cooling

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

Heating

Level Difference (m)	Pipe Length (m)														
	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75
30	-	-	-	-	-	0.94	0.93	0.92	0.91	0.90	-	-	-	-	-
25	-	-	-	-	0.96	0.94	0.93	0.92	0.91	0.90	-	-	-	-	-
20	-	-	-	0.97	0.96	0.94	0.93	0.92	0.91	0.90	-	-	-	-	-
15	-	-	0.98	0.97	0.96	0.94	0.93	0.92	0.91	0.90	-	-	-	-	-
10	-	0.99	0.98	0.97	0.96	0.94	0.93	0.92	0.91	0.90	-	-	-	-	-
5	1.00	0.99	0.98	0.97	0.96	0.94	0.93	0.92	0.91	0.90	-	-	-	-	-
0	1.00	0.99	0.98	0.97	0.96	0.94	0.93	0.92	0.91	0.90	-	-	-	-	-
-5	1.00	0.99	0.98	0.97	0.96	0.94	0.93	0.92	0.91	0.90	-	-	-	-	-
-10	-	0.99	0.98	0.97	0.96	0.94	0.93	0.92	0.91	0.90	-	-	-	-	-
-15	-	-	0.98	0.97	0.96	0.94	0.93	0.92	0.91	0.90	-	-	-	-	-
-20	-	-	-	0.97	0.96	0.94	0.93	0.92	0.91	0.90	-	-	-	-	-
-25	-	-	-	-	0.96	0.94	0.93	0.92	0.91	0.90	-	-	-	-	-
-30	-	-	-	-	-	0.94	0.93	0.92	0.91	0.90	-	-	-	-	-

14 Capacity correction

Outdoor

AC090HBMDKH/EU + AC090HCADKH/EU

Cooling

Level Difference (m)	Pipe Length (m)														
	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75
30	-	-	-	-	-	0.96	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

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

AC090HBMDKH/EU + AC090HCADNH/EU

Cooling

Level Difference (m)	Pipe Length (m)														
	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75
30	-	-	-	-	-	0.96	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

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

AC100HBMDKH/EU + AC100HCADKH/EU

Cooling

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

Heating

Level Difference (m)	Pipe Length (m)														
	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75
30	-	-	-	-	-	0.94	0.93	0.92	0.91	0.90	-	-	-	-	-
25	-	-	-	-	0.96	0.94	0.93	0.92	0.91	0.90	-	-	-	-	-
20	-	-	-	0.97	0.96	0.94	0.93	0.92	0.91	0.90	-	-	-	-	-
15	-	-	0.98	0.97	0.96	0.94	0.93	0.92	0.91	0.90	-	-	-	-	-
10	-	0.99	0.98	0.97	0.96	0.94	0.93	0.92	0.91	0.90	-	-	-	-	-
5	1.00	0.99	0.98	0.97	0.96	0.94	0.93	0.92	0.91	0.90	-	-	-	-	-
0	1.00	0.99	0.98	0.97	0.96	0.94	0.93	0.92	0.91	0.90	-	-	-	-	-
-5	1.00	0.99	0.98	0.97	0.96	0.94	0.93	0.92	0.91	0.90	-	-	-	-	-
-10	-	0.99	0.98	0.97	0.96	0.94	0.93	0.92	0.91	0.90	-	-	-	-	-
-15	-	-	0.98	0.97	0.96	0.94	0.93	0.92	0.91	0.90	-	-	-	-	-
-20	-	-	-	0.97	0.96	0.94	0.93	0.92	0.91	0.90	-	-	-	-	-
-25	-	-	-	-	0.96	0.94	0.93	0.92	0.91	0.90	-	-	-	-	-
-30	-	-	-	-	-	0.94	0.93	0.92	0.91	0.90	-	-	-	-	-

AC100HBMDKH/EU + AC100HCADNH/EU

Cooling

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

Heating

Level Difference (m)	Pipe Length (m)														
	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75
30	-	-	-	-	-	0.94	0.93	0.92	0.91	0.90	-	-	-	-	-
25	-	-	-	-	0.96	0.94	0.93	0.92	0.91	0.90	-	-	-	-	-
20	-	-	-	0.97	0.96	0.94	0.93	0.92	0.91	0.90	-	-	-	-	-
15	-	-	0.98	0.97	0.96	0.94	0.93	0.92	0.91	0.90	-	-	-	-	-
10	-	0.99	0.98	0.97	0.96	0.94	0.93	0.92	0.91	0.90	-	-	-	-	-
5	1.00	0.99	0.98	0.97	0.96	0.94	0.93	0.92	0.91	0.90	-	-	-	-	-
0	1.00	0.99	0.98	0.97	0.96	0.94	0.93	0.92	0.91	0.90	-	-	-	-	-
-5	1.00	0.99	0.98	0.97	0.96	0.94	0.93	0.92	0.91	0.90	-	-	-	-	-
-10	-	0.99	0.98	0.97	0.96	0.94	0.93	0.92	0.91	0.90	-	-	-	-	-
-15	-	-	0.98	0.97	0.96	0.94	0.93	0.92	0.91	0.90	-	-	-	-	-
-20	-	-	-	0.97	0.96	0.94	0.93	0.92	0.91	0.90	-	-	-	-	-
-25	-	-	-	-	0.96	0.94	0.93	0.92	0.91	0.90	-	-	-	-	-
-30	-	-	-	-	-	0.94	0.93	0.92	0.91	0.90	-	-	-	-	-

14 Capacity correction

Outdoor

AC120HBMDKH/EU + AC120HCADNH/EU

Cooling

Level Difference (m)	Pipe Length (m)														
	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75
30	-	-	-	-	-	0.93	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

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

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

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

14 Capacity correction

Outdoor

AC140HBMDKH/EU + AC140HCADKH/EU

Cooling

Level Difference (m)	Pipe Length (m)														
	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75
30	-	-	-	-	-	0.94	0.92	0.91	0.90	0.88	0.87	0.86	0.85	0.83	0.82
25	-	-	-	-	0.95	0.94	0.92	0.91	0.90	0.88	0.87	0.86	0.85	0.83	0.82
20	-	-	-	0.96	0.95	0.94	0.92	0.91	0.90	0.88	0.87	0.86	0.85	0.83	0.82
15	-	-	0.97	0.96	0.95	0.94	0.92	0.91	0.90	0.88	0.87	0.86	0.85	0.83	0.82
10	-	0.99	0.97	0.96	0.95	0.94	0.92	0.91	0.90	0.88	0.87	0.86	0.85	0.83	0.82
5	1.00	0.99	0.97	0.96	0.95	0.94	0.92	0.91	0.90	0.88	0.87	0.86	0.85	0.83	0.82
0	1.00	0.99	0.97	0.96	0.95	0.94	0.92	0.91	0.90	0.88	0.87	0.86	0.85	0.83	0.82
-5	1.00	0.98	0.97	0.96	0.94	0.93	0.92	0.91	0.89	0.88	0.87	0.85	0.84	0.83	0.82
-10	-	0.97	0.97	0.95	0.94	0.93	0.91	0.90	0.89	0.88	0.86	0.85	0.84	0.83	0.81
-15	-	-	0.96	0.95	0.94	0.92	0.91	0.90	0.88	0.87	0.86	0.85	0.83	0.82	0.81
-20	-	-	-	0.94	0.93	0.92	0.91	0.89	0.88	0.87	0.85	0.84	0.83	0.82	0.81
-25	-	-	-	-	0.93	0.91	0.90	0.89	0.88	0.86	0.85	0.84	0.83	0.81	0.80
-30	-	-	-	-	-	0.91	0.90	0.88	0.87	0.86	0.85	0.83	0.82	0.81	0.80

Heating

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

AC140HBMDKH/EU + AC140HCADNH/EU

Cooling

Level Difference (m)	Pipe Length (m)														
	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75
30	-	-	-	-	-	0.94	0.92	0.91	0.90	0.88	0.87	0.86	0.85	0.83	0.82
25	-	-	-	-	0.95	0.94	0.92	0.91	0.90	0.88	0.87	0.86	0.85	0.83	0.82
20	-	-	-	0.96	0.95	0.94	0.92	0.91	0.90	0.88	0.87	0.86	0.85	0.83	0.82
15	-	-	0.97	0.96	0.95	0.94	0.92	0.91	0.90	0.88	0.87	0.86	0.85	0.83	0.82
10	-	0.99	0.97	0.96	0.95	0.94	0.92	0.91	0.90	0.88	0.87	0.86	0.85	0.83	0.82
5	1.00	0.99	0.97	0.96	0.95	0.94	0.92	0.91	0.90	0.88	0.87	0.86	0.85	0.83	0.82
0	1.00	0.99	0.97	0.96	0.95	0.94	0.92	0.91	0.90	0.88	0.87	0.86	0.85	0.83	0.82
-5	1.00	0.98	0.97	0.96	0.94	0.93	0.92	0.91	0.89	0.88	0.87	0.85	0.84	0.83	0.82
-10	-	0.97	0.97	0.95	0.94	0.93	0.91	0.90	0.89	0.88	0.86	0.85	0.84	0.83	0.81
-15	-	-	0.96	0.95	0.94	0.92	0.91	0.90	0.88	0.87	0.86	0.85	0.83	0.82	0.81
-20	-	-	-	0.94	0.93	0.92	0.91	0.89	0.88	0.87	0.85	0.84	0.83	0.82	0.81
-25	-	-	-	-	0.93	0.91	0.90	0.89	0.88	0.86	0.85	0.84	0.83	0.81	0.80
-30	-	-	-	-	-	0.91	0.90	0.88	0.87	0.86	0.85	0.83	0.82	0.81	0.80

Heating

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

2014.06

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