

VRF

Technical Data Book

4Way Cassette S (600x600) for Europe (R410A, 50Hz)

SAMSUNG

[illegible]

Nomenclature

Indoor Units

Model Names

AM

(1)

045

(2)

H

(3)

N

(4)

N

(5)

D

(6)

E

(7)

H

(8)

/

EU

Buyer

(1) Classification

AM	DVM
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(2) Capacity

x 1/10 kW (3 digits)

(3) Version

E	2012
F	2013
H	2014
J	2015

(4) Product Type

X	Outdoor Unit
N	Indoor Unit

(5) Product Notation

1	1Way Cassette
2	2Way Cassette
N	4Way Cassette S (600 x 600)
4	4Way Cassette S
L	LSP Duct (Slim Duct)
M	MSP Duct
H	HSP Duct
C	Ceiling
J	Console
F	Concealed Floor Standing
T	Neo Forte
Q	Neo Forte (EEV)
B	Hydro Unit (Floor Standing)
K	Flat(Ceiling Type) VTL
E	OAP Duct

(6) Feature

F	Flagship
P	Premium
D	Deluxe
G(EHS)	Cascade (EEV)

(7) Rating Voltage

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

(8) Mode

H	Heat Pump (R410A)
R	Heat Recovery (R410A)

Line-up

Indoor Units

Capacity Type	1.5 kW	2.2 kW	2.8 kW	3.6 kW	4.5 kW	5.6 kW	6.0 kW
4 Way Cassette S (600x 600)	o	o	o	o	o	o	o

4 Way Cassette S (600 x 600)

1 Specifications

2 Capacity table

3 Dimensional drawing

4 Electrical wiring diagram

5 Sound pressure level

6 Sound power level

1 Specifications

4 Way Cassette S (600 x 600)

Type				4Way Cassette (600 x 600)		4Way Cassette (600 x 600)	
Model				AM015HNNDEH/EU		AM022FNNDEH/EU	
Power Supply			Ø, #, V, Hz	1,2,220–240,50		1,2,220–240,50	
Mode			–	HP/HR		HP/HR	
Performance	Capacity (Nominal)	Cooling	kW	1.50		2.20	
			Btu/h	5,100		7,500	
		Heating	kW	1.70		2.50	
			Btu/h	5,800		8,500	
Power	Power Input (Nominal)	Cooling	W	18.00		18.00	
		Heating		18.00		18.00	
	Current Input (Nominal)	Cooling	A	0.17		0.17	
		Heating		0.17		0.17	
Fan	Motor	Type	–	Turbo Fan		Turbo Fan	
		Output x n	w	65 x 1		65 x 1	
	Air Flow Rate	H/M/L (UL)	CMM	8.20 / 7.00 / 6.30		9.00 / 7.70 / 6.50	
			l/s	136.67 / 116.67 / 105.00		150.00 / 128.33 / 108.33	
	External Pressure	Min/Std/Max	mmAq	–		–	
			Pa	–		–	
Piping Connections	Liquid Pipe		Ø, mm	6.35		6.35	
			Ø, inch	1/4"		1/4"	
	Gas Pipe		Ø, mm	12.70		12.70	
			Ø, inch	1/2"		1/2"	
	Drain Pipe		Ø, mm	VP25 (OD 32,ID 25)		VP25 (OD 32,ID 25)	
Field Wiring	Power Source Wire		mm²	1.5 – 2.5		1.5 – 2.5	
	Transmission Cable		mm²	0.75 – 1.50		0.75 – 1.50	
Refrigerant	Type		–	R410A		R410A	
	Control Method		–	EEV(O)		EEV(O)	
Sound	Pressure	High / Mid / Low	dB(A)	30.0 / 28.0 / 23.0		32.0 / 29.0 / 25.0	
	Power	Cooling		46.0		47.0	
Dimension	Net Weight		kg	12.00		12.00	
	Shipping Weight		kg	14.00		14.00	
	Net Dimensions (WxHxD)		mm	575 x 250 x 575		575 x 250 x 575	
	Shipping Dimensions (WxHxD)		mm	623 x 298 x 653		623 x 298 x 653	
Panel Size	Panel model		–	PC4SUSMAN		PC4SUSMAN	
	Panel Net Weight		kg	2.70		2.70	
	Shipping Weight		kg	4.20		4.20	
	Net Dimensions (WxHxD)		mm	670 x 45 x 670		670 x 45 x 670	
	Shipping Dimensions (WxHxD)		mm	714 x 106 x 724		714 x 106 x 724	
Additional Accessories	Drain Pump	Drain Pump	– / Model	–		–	
		Max. lifting Height / Displacement	mm/liter/h	–		–	
	Air Filter		–	–		–	

- Mode : HP(Heat Pump), HR(Heat Recovery)

- Nominal Cooling : Indoor temperature 27℃DB / 19℃WB, Outdoor temperature 35℃DB/24℃WB, Refrigerant pipe length 7.5m, Level difference 0m.

- Nominal Heating : Indoor temperature 20℃DB/15℃WB, Outdoor temperature 7℃DB / 6℃WB, Refrigerant pipe length 7.5m, Level difference 0m.

- Sound level was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.

- These products contain R410A which is fluorinated greenhouse gas.

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1 Specifications

4 Way Cassette S (600 x 600)

Type				4Way Cassette (600 x 600)		4Way Cassette (600 x 600)	
Model				AM028FNNDEH/EU		AM036FNNDEH/EU	
Power Supply			Ø, #, V, Hz	1,2,220–240,50		1,2,220–240,50	
Mode			–	HP/HR		HP/HR	
Performance	Capacity (Nominal)	Cooling	kW	2.80		3.60	
			Btu/h	9,600		12,300	
		Heating	kW	3.20		4.00	
			Btu/h	10,900		13,600	
Power	Power Input (Nominal)	Cooling	W	18.00		20.00	
		Heating		18.00		20.00	
	Current Input (Nominal)	Cooling	A	0.17		0.19	
		Heating		0.17		0.19	
Fan	Motor	Type	–	Turbo Fan		Turbo Fan	
		Output x n	w	65 x 1		65 x 1	
	Air Flow Rate	H/M/L (UL)	CMM	10.00 / 8.50 / 7.50		10.50 / 9.50 / 8.00	
			l/s	166.67 / 141.67 / 125.00		175.00 / 158.33 / 133.33	
	External Pressure	Min/Std/Max	mmAq	–		–	
			Pa	–		–	
Piping Connections	Liquid Pipe		Ø, mm	6.35		6.35	
			Ø, inch	1/4"		1/4"	
	Gas Pipe		Ø, mm	12.70		12.70	
			Ø, inch	1/2"		1/2"	
	Drain Pipe		Ø, mm	VP25 (OD 32,ID 25)		VP25 (OD 32,ID 25)	
Field Wiring	Power Source Wire		mm²	1.5 – 2.5		1.5 – 2.5	
	Transmission Cable		mm²	0.75 – 1.50		0.75 – 1.50	
Refrigerant	Type		–	R410A		R410A	
	Control Method		–	EEV(O)		EEV(O)	
Sound	Pressure	High / Mid / Low	dB(A)	33.0 / 30.0 / 26.0		34.0 / 30.0 / 26.0	
	Power	Cooling		50.0		51.0	
Dimension	Net Weight		kg	12.00		12.00	
	Shipping Weight		kg	14.00		14.00	
	Net Dimensions (WxHxD)		mm	575 x 250 x 575		575 x 250 x 575	
	Shipping Dimensions (WxHxD)		mm	623 x 298 x 653		623 x 298 x 653	
Panel Size	Panel model		–	PC4SUSMAN		PC4SUSMAN	
	Panel Net Weight		kg	2.70		2.70	
	Shipping Weight		kg	4.20		4.20	
	Net Dimensions (WxHxD)		mm	670 x 45 x 670		670 x 45 x 670	
	Shipping Dimensions (WxHxD)		mm	714 x 106 x 724		714 x 106 x 724	
Additional Accessories	Drain Pump	Drain Pump	– / Model	–		–	
		Max. lifting Height / Displacement	mm/liter/h	–		–	
	Air Filter		–	–		–	

- Mode : HP(Heat Pump), HR(Heat Recovery)

- Nominal Cooling : Indoor temperature 27 °CDB / 19 °CWB, Outdoor temperature 35 °CDB/24 °CWB, Refrigerant pipe length 7.5m, Level difference 0m.

- Nominal Heating : Indoor temperature 20 °CDB/15 °CWB, Outdoor temperature 7 °CDB / 6 °CWB, Refrigerant pipe length 7.5m, Level difference 0m.

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1 Specifications

4 Way Cassette S (600 x 600)

Type				4Way Cassette (600 x 600)		4Way Cassette (600 x 600)	
Model				AM045FNNDEH/EU		AM056FNNDEH/EU	
Power Supply			Ø, #, V, Hz	1,2,220–240,50		1,2,220–240,50	
Mode			–	HP/HR		HP/HR	
Performance	Capacity (Nominal)	Cooling	kW	4.50		5.60	
			Btu/h	15,400		19,100	
		Heating	kW	5.00		6.30	
			Btu/h	17,100		21,500	
Power	Power Input (Nominal)	Cooling	W	23.00		28.00	
		Heating		23.00		28.00	
	Current Input (Nominal)	Cooling	A	0.22		0.27	
		Heating		0.22		0.27	
Fan	Motor	Type	–	Turbo Fan		Turbo Fan	
		Output x n	w	65 x 1		65 x 1	
	Air Flow Rate	H/M/L (UL)	CMM	11.50 / 10.20 / 9.00		13.00 / 11.00 / 9.50	
			l/s	191.67 / 170.00 / 150.00		216.67 / 183.33 / 158.33	
	External Pressure	Min/Std/Max	mmAq	–		–	
			Pa	–		–	
Piping Connections	Liquid Pipe		Ø, mm	6.35		6.35	
			Ø, inch	1/4"		1/4"	
	Gas Pipe		Ø, mm	12.70		12.70	
			Ø, inch	1/2"		1/2"	
	Drain Pipe		Ø, mm	VP25 (OD 32,ID 25)		VP25 (OD 32,ID 25)	
Field Wiring	Power Source Wire		mm²	1.5 – 2.5		1.5 – 2.5	
	Transmission Cable		mm²	0.75 – 1.50		0.75 – 1.50	
Refrigerant	Type		–	R410A		R410A	
	Control Method		–	EEV(O)		EEV(O)	
Sound	Pressure	High / Mid / Low	dB(A)	36.0 / 34.0 / 32.0		39.0 / 36.0 / 33.0	
	Power	Cooling		53.0		56.0	
Dimension	Net Weight		kg	12.00		12.00	
	Shipping Weight		kg	14.00		14.00	
	Net Dimensions (WxHxD)		mm	575 x 250 x 575		575 x 250 x 575	
	Shipping Dimensions (WxHxD)		mm	623 x 298 x 653		623 x 298 x 653	
Panel Size	Panel model		–	PC4SUSMAN		PC4SUSMAN	
	Panel Net Weight		kg	2.70		2.70	
	Shipping Weight		kg	4.20		4.20	
	Net Dimensions (WxHxD)		mm	670 x 45 x 670		670 x 45 x 670	
	Shipping Dimensions (WxHxD)		mm	714 x 106 x 724		714 x 106 x 724	
Additional Accessories	Drain Pump	Drain Pump	– / Model	–		–	
		Max. lifting Height / Displacement	mm/liter/h	–		–	
	Air Filter		–	–		–	

- Mode : HP(Heat Pump), HR(Heat Recovery)

- Nominal Cooling : Indoor temperature 27℃DB / 19℃WB, Outdoor temperature 35℃DB/24℃WB, Refrigerant pipe length 7.5m, Level difference 0m.

- Nominal Heating : Indoor temperature 20℃DB/15℃WB, Outdoor temperature 7℃DB / 6℃WB, Refrigerant pipe length 7.5m, Level difference 0m.

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1 Specifications

4 Way Cassette S (600 x 600)

Type				4Way Cassette (600 x 600)	
Model				AM060FNNDEH/EU	
Power Supply			Ø, #, V, Hz	1,2,220–240,50	
Mode			–	HP/HR	
Performance	Capacity (Nominal)	Cooling	kW	6.00	
			Btu/h	20,500	
		Heating	kW	6.80	
			Btu/h	23,200	
Power	Power Input (Nominal)	Cooling	W	31.00	
		Heating		31.00	
	Current Input (Nominal)	Cooling	A	0.30	
		Heating		0.30	
Fan	Motor	Type	–	Turbo Fan	
		Output x n	w	65 x 1	
	Air Flow Rate	H/M/L (UL)	CMM	13.50 / 12.00 / 10.20	
			l/s	225.00 / 200.00 / 170.00	
	External Pressure	Min/Std/Max	mmAq	–	
			Pa	–	
Piping Connections	Liquid Pipe		Ø, mm	6.35	
			Ø, inch	1/4"	
	Gas Pipe		Ø, mm	12.70	
			Ø, inch	1/2"	
	Drain Pipe		Ø, mm	VP25 (OD 32,ID 25)	
Field Wiring	Power Source Wire		mm²	1.5 – 2.5	
	Transmission Cable		mm²	0.75 – 1.50	
Refrigerant	Type		–	R410A	
	Control Method		–	EEV(O)	
Sound	Pressure	High / Mid / Low	dB(A)	40.0 / 38.0 / 35.0	
	Power	Cooling		57.0	
Dimension	Net Weight		kg	12.00	
	Shipping Weight		kg	14.00	
	Net Dimensions (WxHxD)		mm	575 x 250 x 575	
	Shipping Dimensions (WxHxD)		mm	623 x 298 x 653	
Panel Size	Panel model		–	PC4SUSMAN	
	Panel Net Weight		kg	2.70	
	Shipping Weight		kg	4.20	
	Net Dimensions (WxHxD)		mm	670 x 45 x 670	
	Shipping Dimensions (WxHxD)		mm	714 x 106 x 724	
Additional Accessories	Drain Pump	Drain Pump	– / Model	–	
		Max. lifting Height / Displacement	mm/liter/h	–	
	Air Filter		–	–	

- Mode : HP(Heat Pump), HR(Heat Recovery)

- Nominal Cooling : Indoor temperature 27°CDB / 19°CWB, Outdoor temperature 35°CDB/24°CWB, Refrigerant pipe length 7.5m, Level difference 0m.

- Nominal Heating : Indoor temperature 20°CDB/15°CWB, Outdoor temperature 7°CDB / 6°CWB, Refrigerant pipe length 7.5m, Level difference 0m.

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2

4 Way Cassette S (600 x 600)

Cooling

TC : Total Capacity, SHC : Sensible Heat Capacity

Model	Outdoor temperature (°C, DB)	Indoor temperature (°C, WB)														
		14.0		16.0		18.0		19.0		20.0		22.0		24.0		
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	
1.50	10	1.00	0.90	1.20	1.00	1.40	1.10	1.50	1.00	1.60	1.00	1.70	1.00	1.90	1.00	
	12	1.00	0.90	1.20	1.00	1.40	1.10	1.50	1.00	1.60	1.00	1.70	1.00	1.80	1.00	
	14	1.00	0.90	1.20	1.00	1.40	1.10	1.50	1.00	1.60	1.00	1.70	1.00	1.80	1.00	
	16	1.00	0.90	1.20	1.00	1.40	1.10	1.50	1.00	1.60	1.00	1.70	1.00	1.80	1.00	
	18	1.00	0.90	1.20	1.00	1.40	1.10	1.50	1.00	1.60	1.00	1.70	1.00	1.80	1.00	
	20	1.00	0.90	1.20	1.00	1.40	1.10	1.50	1.00	1.60	1.00	1.70	1.00	1.80	1.00	
	21	1.00	0.90	1.20	1.00	1.40	1.10	1.50	1.00	1.60	1.00	1.70	1.00	1.80	1.00	
	23	1.00	0.90	1.20	1.00	1.40	1.10	1.50	1.00	1.60	1.00	1.70	1.00	1.80	1.00	
	25	1.00	0.90	1.20	1.00	1.40	1.10	1.50	1.00	1.60	1.00	1.70	1.00	1.80	1.00	
	27	1.00	0.90	1.20	1.00	1.40	1.10	1.50	1.00	1.60	1.00	1.70	1.00	1.80	1.00	
	29	1.00	0.90	1.20	1.00	1.40	1.10	1.50	1.00	1.60	1.00	1.70	1.00	1.80	1.00	
	31	1.00	0.90	1.20	1.00	1.40	1.10	1.50	1.00	1.60	1.00	1.70	1.00	1.80	1.00	
	33	1.00	0.90	1.20	1.00	1.40	1.10	1.50	1.00	1.60	1.00	1.70	1.00	1.80	1.00	
	35	1.00	0.90	1.20	1.00	1.40	1.10	1.50	1.00	1.60	1.00	1.70	1.00	1.80	1.00	
	37	1.00	0.90	1.20	1.00	1.40	1.10	1.50	1.00	1.60	1.00	1.70	1.00	1.80	1.00	
	39	1.00	0.90	1.20	1.00	1.40	1.10	1.50	1.00	1.60	1.00	1.60	1.00	1.70	1.00	
	42	1.00	0.90	1.20	1.00	1.40	1.10	1.40	1.00	1.50	1.00	1.60	1.00	1.70	1.00	
	44	1.00	0.90	1.20	1.00	1.40	1.10	1.40	1.00	1.50	1.00	1.60	1.00	1.60	1.00	
	2.20	10	1.50	1.30	1.80	1.40	2.10	1.50	2.20	1.50	2.30	1.50	2.50	1.60	2.60	1.40
		12	1.50	1.30	1.80	1.40	2.10	1.50	2.20	1.50	2.30	1.50	2.50	1.60	2.60	1.40
14		1.50	1.30	1.80	1.40	2.10	1.50	2.20	1.50	2.30	1.50	2.50	1.60	2.60	1.40	
16		1.50	1.30	1.80	1.40	2.10	1.50	2.20	1.50	2.30	1.50	2.40	1.50	2.60	1.40	
18		1.50	1.30	1.80	1.40	2.10	1.50	2.20	1.50	2.30	1.50	2.40	1.50	2.60	1.40	
20		1.50	1.30	1.80	1.40	2.10	1.50	2.20	1.50	2.30	1.50	2.40	1.50	2.60	1.40	
21		1.50	1.30	1.80	1.40	2.10	1.50	2.20	1.50	2.30	1.50	2.40	1.50	2.60	1.40	
23		1.50	1.30	1.80	1.40	2.10	1.50	2.20	1.50	2.30	1.50	2.40	1.50	2.60	1.40	
25		1.50	1.30	1.80	1.40	2.10	1.50	2.20	1.50	2.30	1.50	2.40	1.50	2.60	1.40	
27		1.50	1.30	1.80	1.40	2.10	1.50	2.20	1.50	2.30	1.50	2.40	1.50	2.60	1.40	
29		1.50	1.30	1.80	1.40	2.10	1.50	2.20	1.50	2.30	1.50	2.40	1.50	2.60	1.40	
31		1.50	1.30	1.80	1.40	2.10	1.50	2.20	1.50	2.30	1.50	2.40	1.50	2.60	1.40	
33		1.50	1.30	1.80	1.40	2.10	1.50	2.20	1.50	2.30	1.50	2.40	1.50	2.60	1.40	
35		1.50	1.30	1.80	1.40	2.10	1.50	2.20	1.50	2.30	1.50	2.40	1.50	2.60	1.40	
37		1.50	1.30	1.80	1.40	2.10	1.50	2.20	1.50	2.30	1.50	2.40	1.50	2.60	1.40	
39		1.50	1.30	1.80	1.40	2.10	1.50	2.20	1.50	2.30	1.50	2.40	1.50	2.50	1.30	
42		1.50	1.30	1.80	1.40	2.10	1.50	2.10	1.40	2.20	1.40	2.30	1.40	2.40	1.20	
44		1.50	1.30	1.80	1.40	2.00	1.40	2.10	1.40	2.10	1.30	2.20	1.40	2.20	1.10	
2.80		10	1.90	1.70	2.30	1.80	2.60	2.00	2.80	2.00	2.90	2.00	3.10	2.00	3.40	1.90
		12	1.90	1.70	2.30	1.80	2.60	2.00	2.80	2.00	2.90	2.00	3.10	2.00	3.30	1.80
	14	1.90	1.70	2.30	1.80	2.60	2.00	2.80	2.00	2.90	2.00	3.10	2.00	3.30	1.80	
	16	1.90	1.70	2.30	1.80	2.60	2.00	2.80	2.00	2.90	2.00	3.10	2.00	3.30	1.80	
	18	1.90	1.70	2.30	1.80	2.60	2.00	2.80	2.00	2.90	2.00	3.10	2.00	3.30	1.80	
	20	1.90	1.70	2.30	1.80	2.60	2.00	2.80	2.00	2.90	2.00	3.10	2.00	3.30	1.80	
	21	1.90	1.70	2.30	1.80	2.60	2.00	2.80	2.00	2.90	2.00	3.10	2.00	3.30	1.80	
	23	1.90	1.70	2.30	1.80	2.60	2.00	2.80	2.00	2.90	2.00	3.10	2.00	3.30	1.80	
	25	1.90	1.70	2.30	1.80	2.60	2.00	2.80	2.00	2.90	2.00	3.10	2.00	3.30	1.80	
	27	1.90	1.70	2.30	1.80	2.60	2.00	2.80	2.00	2.90	2.00	3.10	2.00	3.30	1.80	
	29	1.90	1.70	2.30	1.80	2.60	2.00	2.80	2.00	2.90	2.00	3.10	2.00	3.30	1.80	
	31	1.90	1.70	2.30	1.80	2.60	2.00	2.80	2.00	2.90	2.00	3.10	2.00	3.30	1.80	
	33	1.90	1.70	2.30	1.80	2.60	2.00	2.80	2.00	2.90	2.00	3.10	2.00	3.30	1.80	
	35	1.90	1.70	2.30	1.80	2.60	2.00	2.80	2.00	2.90	2.00	3.10	2.00	3.30	1.80	
	37	1.90	1.70	2.30	1.80	2.60	2.00	2.80	2.00	2.90	2.00	3.10	2.00	3.30	1.80	
	39	1.90	1.70	2.30	1.80	2.60	2.00	2.80	2.00	2.90	1.90	3.00	1.90	3.20	1.80	
	42	1.90	1.70	2.30	1.80	2.60	2.00	2.70	1.90	2.80	1.90	2.90	1.80	3.00	1.70	
	44	1.90	1.70	2.30	1.80	2.50	1.90	2.70	1.90	2.70	1.80	2.70	1.70	2.80	1.60	
	3.60	10	2.50	2.10	2.90	2.20	3.40	2.40	3.60	2.50	3.70	2.50	4.00	2.50	4.30	2.30
		12	2.50	2.10	2.90	2.20	3.40	2.40	3.60	2.50	3.70	2.50	4.00	2.50	4.30	2.30
14		2.50	2.10	2.90	2.20	3.40	2.40	3.60	2.50	3.70	2.50	4.00	2.50	4.30	2.30	
16		2.50	2.10	2.90	2.20	3.40	2.40	3.60	2.50	3.70	2.50	4.00	2.50	4.30	2.30	
18		2.50	2.10	2.90	2.20	3.40	2.40	3.60	2.50	3.70	2.50	4.00	2.50	4.30	2.30	
20		2.50	2.10	2.90	2.20	3.40	2.40	3.60	2.50	3.70	2.50	4.00	2.50	4.20	2.30	
21		2.50	2.10	2.90	2.20	3.40	2.40	3.60	2.50	3.70	2.50	4.00	2.50	4.20	2.30	
23		2.50	2.10	2.90	2.20	3.40	2.40	3.60	2.50	3.70	2.50	4.00	2.50	4.20	2.30	
25		2.50	2.10	2.90	2.20	3.40	2.40	3.60	2.50	3.70	2.50	4.00	2.50	4.20	2.30	
27		2.50	2.10	2.90	2.20	3.40	2.40	3.60	2.50	3.70	2.50	4.00	2.50	4.20	2.30	
29		2.50	2.10	2.90	2.20	3.40	2.40	3.60	2.50	3.70	2.50	4.00	2.50	4.20	2.30	
31		2.50	2.10	2.90	2.20	3.40	2.40	3.60	2.50	3.70	2.50	4.00	2.50	4.20	2.30	
33		2.50	2.10	2.90	2.20	3.40	2.40	3.60	2.50	3.70	2.50	4.00	2.50	4.20	2.30	
35		2.50	2.10	2.90	2.20	3.40	2.40	3.60	2.50	3.70	2.50	4.00	2.50	4.20	2.30	
37		2.50	2.10	2.90	2.20	3.40	2.40	3.60	2.50	3.70	2.50	3.90	2.40	4.20	2.30	
39		2.50	2.10	2.90	2.20	3.40	2.40	3.60	2.50	3.70	2.50	3.90	2.40	4.10	2.20	
42		2.50	2.10	2.90	2.20	3.40	2.40	3.50	2.40	3.60	2.40	3.70	2.30	3.90	2.10	
44		2.50	2.10	2.90	2.20	3.20	2.30	3.40	2.30	3.50	2.30	3.50	2.20	3.60	2.00	
4.50		10	3.10	2.70	3.70	2.80	4.20	3.00	4.50	3.10	4.70	3.10	5.00	3.10	5.40	2.90
		12	3.10	2.70	3.70	2.80	4.20	3.00	4.50	3.10	4.70	3.10	5.00	3.10	5.40	2.90
	14	3.10	2.70	3.70	2.80	4.20	3.00	4.50	3.10	4.70	3.10	5.00	3.10	5.40	2.90	
	16	3.10	2.70	3.70	2.80	4.20	3.00	4.50	3.10	4.70	3.10	5.00	3.10	5.30	2.80	
	18	3.10	2.70	3.70	2.80	4.20	3.00	4.50	3.10	4.70	3.10	5.00	3.10	5.30	2.80	
	20	3.10	2.70	3.70	2.80	4.20	3.00	4.50	3.10	4.70	3.10	5.00	3.10	5.30	2.80	
	21	3.10	2.70	3.70	2.80	4.20	3.00	4.50	3.10	4.70	3.10	5.00	3.10	5.30	2.80	
	23	3.10	2.70	3.70	2.80	4.20	3.00	4.50	3.10	4.70	3.10	5.00	3.10	5.30	2.80	
	25	3.10	2.70	3.70	2.80	4.20	3.00	4.50	3.10	4.70	3.10	5.00	3.10	5.30	2.80	
	27	3.10	2.70	3.70	2.80	4.20	3.00	4.50	3.10	4.70	3.10	5.00	3.10	5.30	2.80	
	29	3.10	2.70	3.70	2.80	4.20	3.00	4.50	3.10	4.70	3.10	5.00	3.10	5.30	2.80	
	31	3.10	2.70	3.70	2.80	4.20	3.00	4.50	3.10	4.70	3.10	5.00	3.10	5.30	2.80	
	33	3.10	2.70	3.70	2.80	4.20	3.00	4.50	3.10	4.70	3.10	5.00	3.10	5.30	2.80	
	35	3.10	2.70	3.70	2.80	4.20	3.00	4.50	3.10	4.70	3.10	5.00	3.10	5.30	2.80	
	37	3.10	2.70	3.70	2.80	4.20	3.00	4.50	3.10	4.60	3.00	4.90	3.00	5.20	2.70	
	39	3.10	2.70	3.70	2.80	4.20	3.00	4.50	3.10	4.60	3.00	4.90	3.00	5.10	2.60	
	42	3.10	2.70	3.70												

2 Capacity table

4 Way Cassette S (600 x 600)

Cooling

TC : Total Capacity, SHC : Sensible Heat Capacity

Model	Outdoor temperature (°C, DB)	Indoor temperature (°C, WB)													
		14.0		16.0		18.0		19.0		20.0		22.0		24.0	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
5.60	10	3.90	3.30	4.60	3.80	5.30	4.10	5.60	4.20	5.80	4.20	6.30	4.30	6.70	4.10
	12	3.90	3.30	4.60	3.80	5.30	4.10	5.60	4.20	5.80	4.20	6.30	4.30	6.70	4.10
	14	3.90	3.30	4.60	3.80	5.30	4.10	5.60	4.20	5.80	4.20	6.20	4.20	6.70	4.00
	16	3.90	3.30	4.60	3.80	5.30	4.10	5.60	4.20	5.80	4.20	6.20	4.20	6.60	4.00
	18	3.90	3.30	4.60	3.80	5.30	4.10	5.60	4.20	5.80	4.20	6.20	4.20	6.60	4.00
	20	3.90	3.30	4.60	3.80	5.30	4.10	5.60	4.20	5.80	4.20	6.20	4.20	6.60	4.00
	21	3.90	3.30	4.60	3.80	5.30	4.10	5.60	4.20	5.80	4.20	6.20	4.20	6.60	4.00
	23	3.90	3.30	4.60	3.80	5.30	4.10	5.60	4.20	5.80	4.20	6.20	4.20	6.60	4.00
	25	3.90	3.30	4.60	3.80	5.30	4.10	5.60	4.20	5.80	4.20	6.20	4.20	6.60	4.00
	27	3.90	3.30	4.60	3.80	5.30	4.10	5.60	4.20	5.80	4.20	6.20	4.20	6.60	4.00
	29	3.90	3.30	4.60	3.80	5.30	4.10	5.60	4.20	5.80	4.20	6.20	4.20	6.60	4.00
	31	3.90	3.30	4.60	3.80	5.30	4.10	5.60	4.20	5.80	4.20	6.20	4.20	6.60	4.00
	33	3.90	3.30	4.60	3.80	5.30	4.10	5.60	4.20	5.80	4.20	6.20	4.20	6.60	4.00
	35	3.90	3.30	4.60	3.80	5.30	4.10	5.60	4.20	5.80	4.20	6.20	4.20	6.60	4.00
	37	3.90	3.30	4.60	3.80	5.30	4.10	5.60	4.20	5.80	4.20	6.10	4.10	6.50	3.90
	39	3.90	3.30	4.60	3.80	5.30	4.10	5.60	4.20	5.80	4.20	6.10	4.10	6.40	3.80
	42	3.90	3.30	4.60	3.80	5.30	4.10	5.40	4.10	5.60	4.10	5.80	3.90	6.00	3.60
	44	3.90	3.30	4.60	3.80	5.00	4.00	5.30	4.00	5.40	4.00	5.50	3.80	5.60	3.40
6.00	10	4.10	3.50	4.90	4.00	5.60	4.50	6.00	4.50	6.20	4.50	6.70	4.60	7.20	4.40
	12	4.10	3.50	4.90	4.00	5.60	4.50	6.00	4.50	6.20	4.50	6.70	4.60	7.20	4.40
	14	4.10	3.50	4.90	4.00	5.60	4.50	6.00	4.50	6.20	4.50	6.70	4.60	7.10	4.30
	16	4.10	3.50	4.90	4.00	5.60	4.50	6.00	4.50	6.20	4.50	6.70	4.60	7.10	4.30
	18	4.10	3.50	4.90	4.00	5.60	4.50	6.00	4.50	6.20	4.50	6.70	4.60	7.10	4.30
	20	4.10	3.50	4.90	4.00	5.60	4.50	6.00	4.50	6.20	4.50	6.60	4.50	7.10	4.30
	21	4.10	3.50	4.90	4.00	5.60	4.50	6.00	4.50	6.20	4.50	6.60	4.50	7.10	4.30
	23	4.10	3.50	4.90	4.00	5.60	4.50	6.00	4.50	6.20	4.50	6.60	4.50	7.10	4.30
	25	4.10	3.50	4.90	4.00	5.60	4.50	6.00	4.50	6.20	4.50	6.60	4.50	7.10	4.30
	27	4.10	3.50	4.90	4.00	5.60	4.50	6.00	4.50	6.20	4.50	6.60	4.50	7.10	4.30
	29	4.10	3.50	4.90	4.00	5.60	4.50	6.00	4.50	6.20	4.50	6.60	4.50	7.10	4.30
	31	4.10	3.50	4.90	4.00	5.60	4.50	6.00	4.50	6.20	4.50	6.60	4.50	7.10	4.30
	33	4.10	3.50	4.90	4.00	5.60	4.50	6.00	4.50	6.20	4.50	6.60	4.50	7.10	4.30
	35	4.10	3.50	4.90	4.00	5.60	4.50	6.00	4.50	6.20	4.50	6.60	4.50	7.10	4.30
	37	4.10	3.50	4.90	4.00	5.60	4.50	6.00	4.50	6.20	4.50	6.60	4.50	7.00	4.20
	39	4.10	3.50	4.90	4.00	5.60	4.50	6.00	4.50	6.20	4.50	6.50	4.40	6.80	4.10
	42	4.10	3.50	4.90	4.00	5.60	4.50	5.80	4.40	6.10	4.40	6.30	4.30	6.40	3.80
	44	4.10	3.50	4.90	4.00	5.40	4.40	5.70	4.30	5.80	4.30	5.90	4.20	6.00	3.60

2 Capacity table

4 Way Cassette S (600 x 600)

Heating

TC : Total Capacity

Model	Outdoor temperature (°C)		Indoor temperature (°C, DB)				
			16.0	18.0	20.0	22.0	24.0
	DB	WB	TC kW	TC kW	TC kW	TC kW	TC kW
1.50	-20	-21	1.00	1.00	1.00	1.00	0.90
	-17	-18	1.00	1.00	1.00	1.00	0.90
	-15	-16	1.10	1.10	1.00	1.00	0.90
	-12	-13	1.10	1.10	1.10	1.10	1.00
	-10	-11	1.20	1.20	1.20	1.20	1.10
	-7	-8	1.30	1.30	1.30	1.30	1.20
	-5	-6	1.40	1.40	1.30	1.30	1.20
	-3	-4	1.40	1.40	1.40	1.30	1.30
	0	-1	1.50	1.50	1.50	1.40	1.40
	3	2	1.50	1.50	1.50	1.40	1.40
	5	4	1.60	1.60	1.60	1.50	1.40
	7	6	1.70	1.70	1.70	1.60	1.40
	9	8	1.80	1.70	1.70	1.60	1.40
	11	10	1.80	1.70	1.70	1.60	1.40
	13	12	2.00	1.80	1.70	1.60	1.40
2.20	15	14	2.10	1.80	1.70	1.60	1.40
	-20	-21	1.50	1.50	1.50	1.50	1.50
	-17	-18	1.60	1.60	1.60	1.60	1.60
	-15	-16	1.70	1.60	1.60	1.60	1.60
	-12	-13	1.80	1.80	1.80	1.80	1.70
	-10	-11	2.00	2.00	1.90	1.90	1.90
	-7	-8	2.30	2.20	2.20	2.00	2.00
	-5	-6	2.40	2.30	2.30	2.20	2.20
	-3	-4	2.50	2.50	2.40	2.30	2.20
	0	-1	2.60	2.50	2.50	2.30	2.20
	3	2	2.70	2.60	2.50	2.30	2.20
	3	2	2.70	2.60	2.50	2.30	2.20
	5	4	2.80	2.70	2.50	2.30	2.20
	5	4	2.80	2.70	2.50	2.30	2.20
	7	6	2.80	2.70	2.50	2.30	2.20
2.80	9	8	3.00	2.70	2.50	2.30	2.20
	9	8	3.00	2.70	2.50	2.30	2.20
	11	10	3.00	2.70	2.50	2.30	2.20
	11	10	3.00	2.70	2.50	2.30	2.20
	13	12	3.00	2.70	2.50	2.30	2.20
	15	14	3.00	2.70	2.50	2.30	2.20
	-20	-21	1.90	1.90	1.90	1.90	1.90
	-17	-18	2.00	2.00	2.00	2.00	1.90
	-15	-16	2.10	2.10	2.00	2.00	1.90
	-12	-13	2.20	2.20	2.20	2.10	2.10
	-10	-11	2.30	2.30	2.30	2.30	2.20
	-7	-8	2.50	2.40	2.40	2.40	2.30
	-5	-6	2.60	2.60	2.50	2.50	2.40
	-3	-4	2.80	2.70	2.70	2.60	2.50
	0	-1	2.90	2.80	2.80	2.70	2.60
3.60	3	2	3.00	3.00	2.90	2.80	2.70
	3	2	3.00	3.00	2.90	2.80	2.70
	5	4	3.20	3.10	3.10	2.90	2.70
	5	4	3.20	3.10	3.10	2.90	2.70
	7	6	3.30	3.20	3.20	3.00	2.70
	9	8	3.40	3.30	3.20	3.00	2.70
	9	8	3.40	3.30	3.20	3.00	2.70
	11	10	3.50	3.30	3.20	3.00	2.70
	11	10	3.50	3.30	3.20	3.00	2.70
	13	12	3.60	3.40	3.20	3.00	2.70
	15	14	3.70	3.40	3.20	3.00	2.70
	-20	-21	2.40	2.40	2.30	2.30	2.30
	-17	-18	2.60	2.50	2.40	2.40	2.30
	-15	-16	2.70	2.60	2.50	2.50	2.40
	-12	-13	2.80	2.70	2.70	2.60	2.60
4.50	-10	-11	2.90	2.90	2.90	2.80	2.80
	-7	-8	3.10	3.10	3.00	3.00	2.90
	-5	-6	3.30	3.20	3.20	3.10	3.00
	-3	-4	3.40	3.40	3.30	3.20	3.10
	0	-1	3.60	3.60	3.50	3.40	3.20
	3	2	3.80	3.70	3.70	3.50	3.40
	3	2	3.80	3.70	3.70	3.50	3.40
	5	4	3.90	3.90	3.80	3.60	3.40
	5	4	3.90	3.90	3.80	3.60	3.40
	7	6	4.10	4.10	4.00	3.70	3.40
	9	8	4.20	4.10	4.00	3.70	3.40
	9	8	4.20	4.10	4.00	3.70	3.40
	11	10	4.40	4.20	4.00	3.70	3.40
	11	10	4.40	4.20	4.00	3.70	3.40
	13	12	4.50	4.20	4.00	3.70	3.40
	15	14	4.60	4.30	4.00	3.70	3.40
	-20	-21	3.10	3.10	2.90	2.90	2.90
	-17	-18	3.20	3.20	3.10	3.00	3.00
	-15	-16	3.30	3.30	3.20	3.10	3.00
	-12	-13	3.50	3.40	3.40	3.30	3.20
	-10	-11	3.70	3.60	3.60	3.50	3.50
	-7	-8	3.90	3.80	3.80	3.70	3.60
	-5	-6	4.10	4.00	4.00	3.90	3.70
	-3	-4	4.30	4.20	4.20	4.00	3.90
	0	-1	4.50	4.40	4.40	4.20	4.00
	3	2	4.68	4.68	4.60	4.44	4.21
	3	2	4.70	4.70	4.60	4.40	4.20
	5	4	4.92	4.84	4.76	4.52	4.21
	5	4	4.90	4.90	4.80	4.50	4.20
	7	6	5.10	5.10	5.00	4.60	4.20

2 Capacity table

4 Way Cassette S (600 x 600)

Heating

TC : Total Capacity

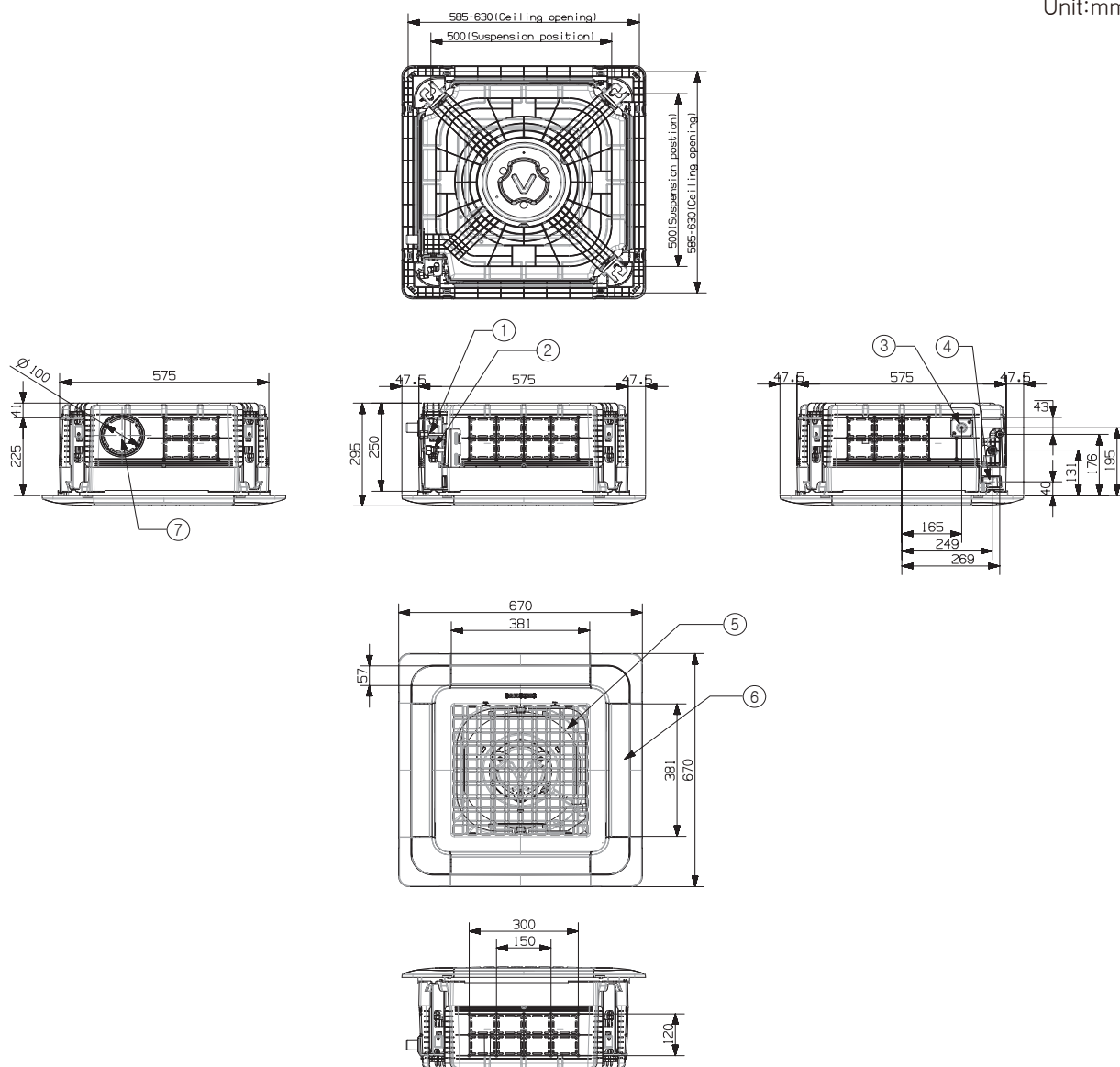
Model	Outdoor temperature (°C)		Indoor temperature (°C, DB)				
			16.0	18.0	20.0	22.0	24.0
	DB	WB	TC	TC	TC	TC	TC
4.50	9	8	5.30	5.20	5.00	4.60	4.20
	9	8	5.32	5.16	5.00	4.60	4.21
	11	10	5.50	5.20	5.00	4.60	4.20
	11	10	5.48	5.24	5.00	4.60	4.21
	13	12	5.60	5.30	5.00	4.60	4.20
	15	14	5.80	5.40	5.00	4.60	4.20
5.60	-20	-21	3.90	3.80	3.80	3.70	3.70
	-17	-18	4.00	4.00	3.90	3.80	3.80
	-15	-16	4.20	4.10	4.00	3.90	3.80
	-12	-13	4.40	4.30	4.20	4.20	4.10
	-10	-11	4.60	4.60	4.50	4.40	4.40
	-7	-8	4.90	4.80	4.80	4.70	4.50
	-5	-6	5.20	5.10	5.00	4.90	4.70
	-3	-4	5.40	5.30	5.20	5.10	4.90
	0	-1	5.70	5.60	5.50	5.30	5.00
	3	2	5.90	5.90	5.80	5.60	5.30
	3	2	5.90	5.90	5.80	5.60	5.30
	5	4	6.20	6.10	6.00	5.70	5.30
	5	4	6.20	6.10	6.00	5.70	5.30
	7	6	6.50	6.40	6.30	5.80	5.30
	9	8	6.70	6.50	6.30	5.80	5.30
	9	8	6.70	6.50	6.30	5.80	5.30
	11	10	6.90	6.60	6.30	5.80	5.30
	11	10	6.90	6.60	6.30	5.80	5.30
	13	12	7.10	6.70	6.30	5.80	5.30
	15	14	7.30	6.80	6.30	5.80	5.30
6.00	-20	-21	4.40	4.30	4.20	4.20	4.20
	-17	-18	4.50	4.40	4.30	4.30	4.20
	-15	-16	4.70	4.60	4.40	4.30	4.20
	-12	-13	4.90	4.80	4.70	4.60	4.50
	-10	-11	5.10	5.10	5.00	4.90	4.90
	-7	-8	5.40	5.40	5.30	5.20	5.10
	-5	-6	5.70	5.60	5.60	5.40	5.20
	-3	-4	6.00	5.90	5.90	5.60	5.40
	0	-1	6.30	6.20	6.10	5.90	5.60
	3	2	6.60	6.50	6.40	6.20	5.90
	5	4	6.90	6.80	6.70	6.30	5.90
	7	6	7.20	7.10	6.80	6.50	5.90
	9	8	7.40	7.20	6.80	6.50	5.90
	11	10	7.60	7.30	6.80	6.50	5.90
	13	12	7.90	7.40	6.80	6.50	5.90
	15	14	8.10	7.50	6.80	6.50	5.90

3 Dimensional drawing

4 Way Cassette S (600 x 600)

AM015HNNDEH/EU, AM022FNNDEH/EU, AM028FNNDEH/EU, AM036FNNDEH/EU, AM045FNNDEH/EU, AM056FNNDEH/EU, AM060FNNDEH/EU

Unit:mm

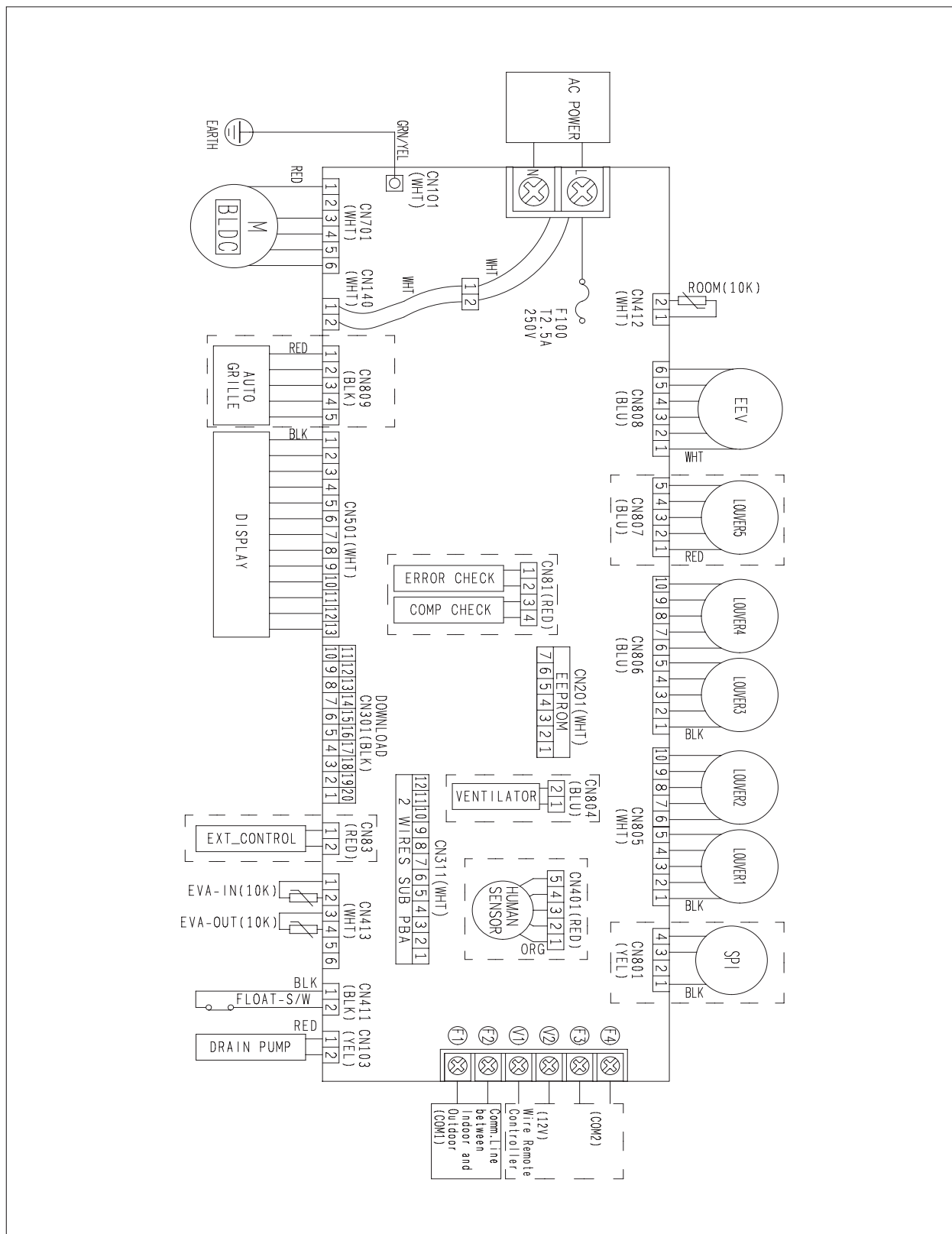


No.	Name	Description
①	Liquid pipe connection	Ø6.35mm (1/4") Flare
②	Gas pipe connection	Ø12.7mm (1/2") Flare
③	Drain pipe connection	VP25 (OD32, ID25)
④	Conduit for power supply & communication wiring	—
⑤	Air inlet grille	—
⑥	Air outlet louver	—
⑦	Fresh air intake	Ø100

4 Electrical wiring diagram

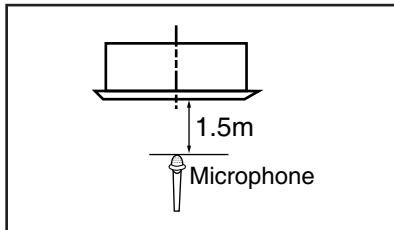
4 Way Cassette S (600 x 600)

AM015HNNDEH/EU, AM022FNNDEH/EU, AM028FNNDEH/EU, AM036FNNDEH/EU, AM045FNNDEH/EU, AM056FNNDEH/EU, AM060FNNDEH/EU



5 Sound pressure level

4 Way Cassette S (600 x 600)



Unit: dB(A)

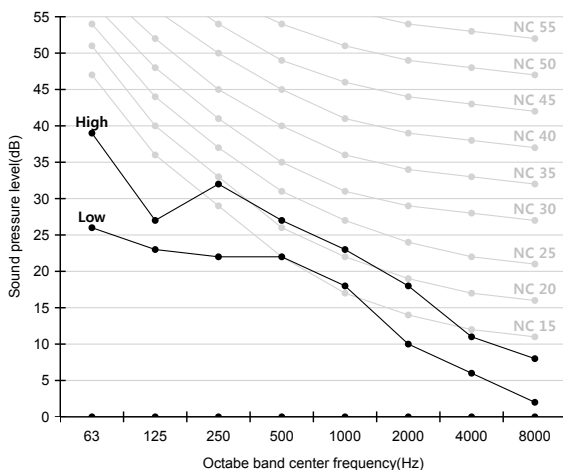
Model	High	Low
AM015HNNDEH/EU	30.0	23.0
AM022FNNDEH/EU	32.0	25.0
AM028FNNDEH/EU	33.0	26.0
AM036FNNDEH/EU	34.0	26.0

Note

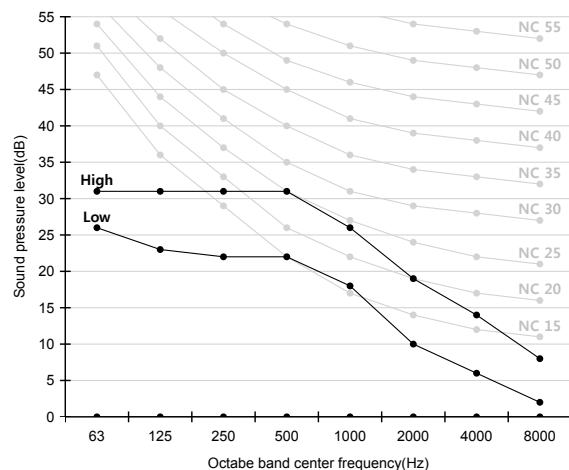
- Measuring place: Anechoic chamber (conversion value)
- These operation values were obtained in an anechoic room. Sound pressure level will vary depending on a construction of the particular room where the equipment is installed.
- Operation sound level may differ depending on operation and ambient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

NC curve

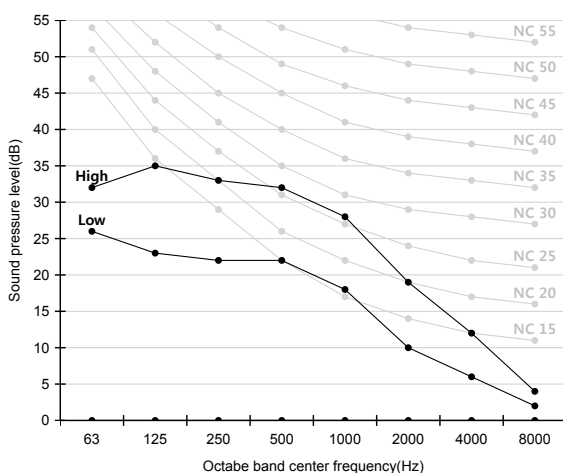
1) AM015HNNDEH/EU



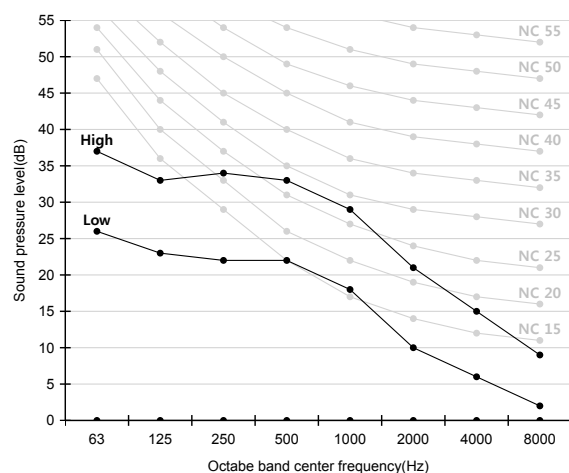
2) AM022FNNDEH/EU



3) AM028FNNDEH/EU

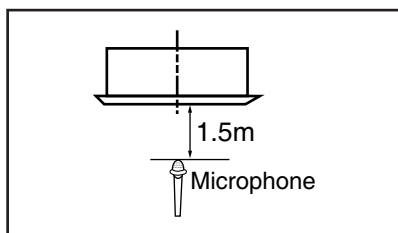


4) AM036FNNDEH/EU



5 Sound pressure level

4 Way Cassette S (600 x 600)



Unit: dB(A)

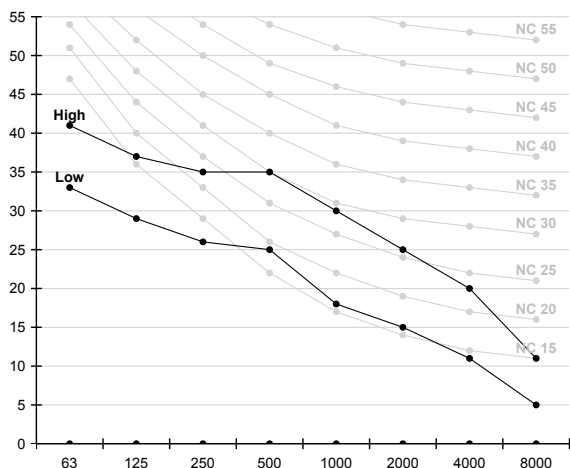
Model	High	Low
AM045FNNDEH/EU	36.0	32.0
AM056FNNDEH/EU	39.0	33.0
AM060FNNDEH/EU	40.0	35.0

Note

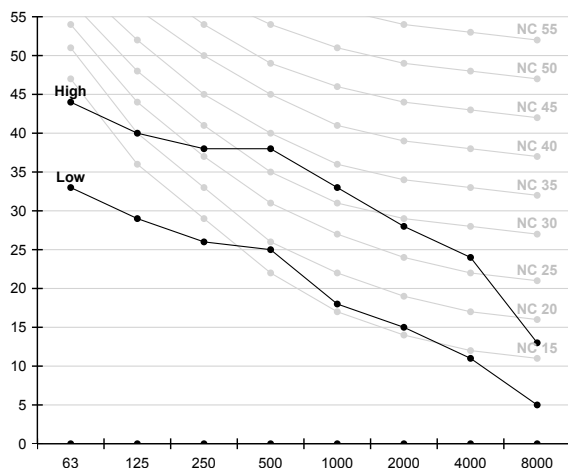
- Measuring place: Anechoic chamber (conversion value)
- These operation values were obtained in an anechoic room. Sound pressure level will vary depending on a construction of the particular room where the equipment is installed.
- Operation sound level may differ depending on operation and ambient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

NC curve

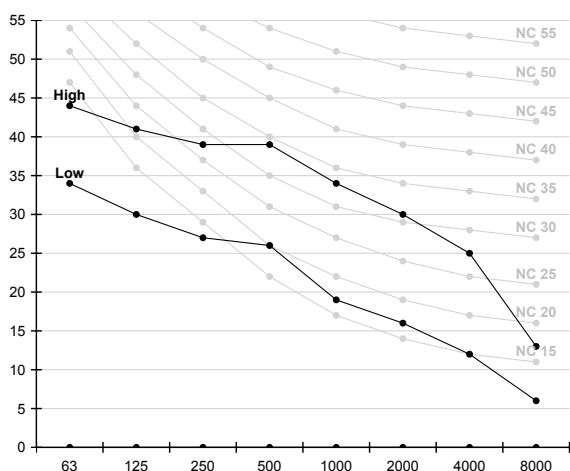
1) AM045FNNDEH/EU



2) AM056FNNDEH/EU



3) AM060FNNDEH/EU



6 Sound power level

4 Way Cassette S (600 x 600)

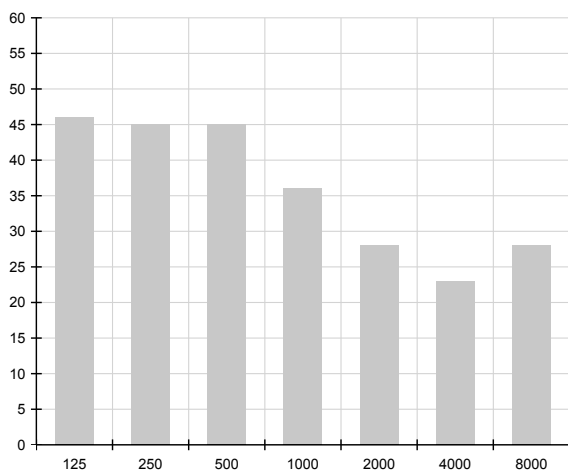
Note

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

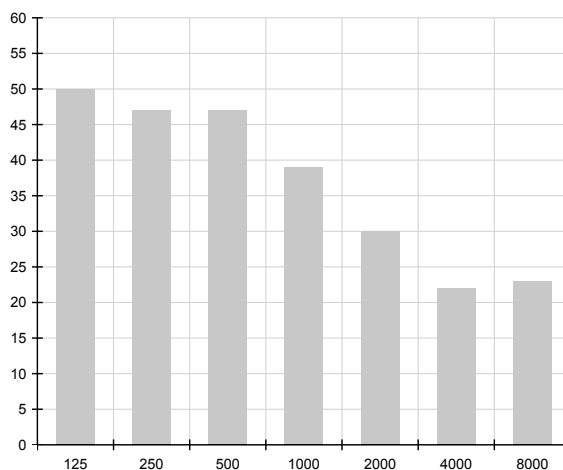
Unit: dB(A)

Model	Power
AM015HNNDEH/EU	46.0
AM022FNNDEH/EU	47.0
AM028FNNDEH/EU	50.0
AM036FNNDEH/EU	51.0

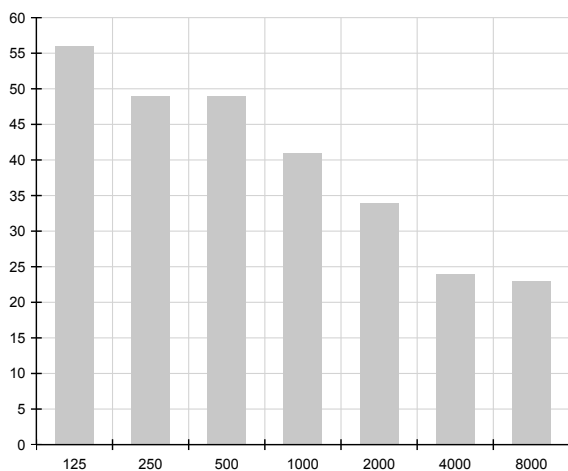
1)AM015HNNDEH/EU



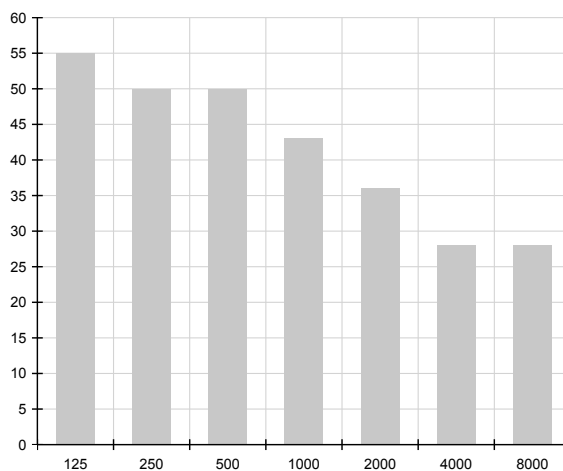
2)AM022FNNDEH/EU



3)AM028FNNDEH/EU



4)AM036FNNDEH/EU



6 Sound power level

4 Way Cassette S (600 x 600)

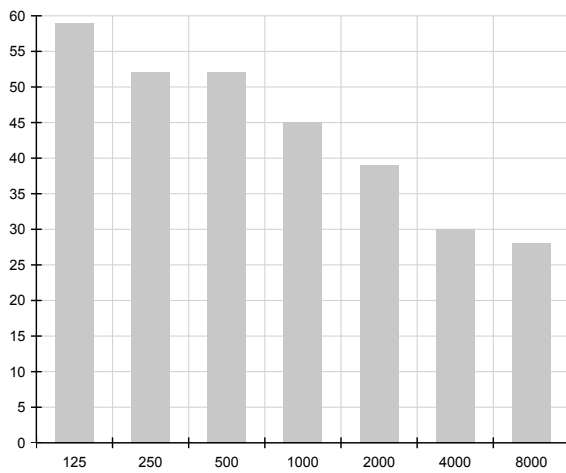
Note

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

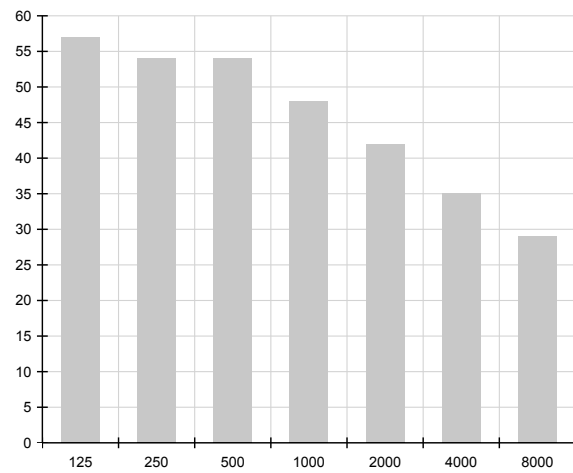
Unit: dB(A)

Model	Power
AM045FNNDEH/EU	53.0
AM056FNNDEH/EU	56.0
AM060FNNDEH/EU	57.0

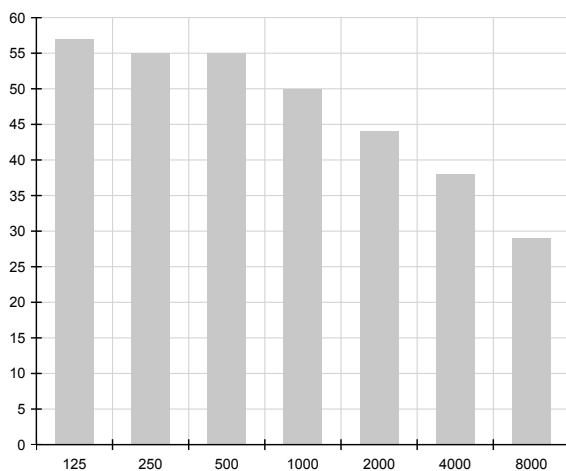
1)AM045FNNDEH/EU



2)AM056FNNDEH/EU



3)AM060FNNDEH/EU



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