

VRF

Technical Data Book

Wall-Mounted for Europe (R410A, 50Hz, Neo Forte)

SAMSUNG

[illegible]

Nomenclature

Indoor Units

Model Names

AM

(1)

045

(2)

H

(3)

N

(4)

T

(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	7.1 kW
Neo Forte	o	o	o	o	–	o	o
Neo Forte(EEV)	o	o	o	o	o	o	o

Neo Forte

1 Specifications

2 Capacity table

3 Dimensional drawing

4 Electrical wiring diagram

5 Sound pressure level

6 Sound power level

1 Specifications

Neo Forte

Type				Neo Forte (EEV)		Neo Forte	
Model				AM015HNQDEH/EU		AM015HNTDEH/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		1.50	
			Btu/h	5,100		5,100	
		Heating	kW	1.70		1.70	
			Btu/h	5,800		5,800	
Power	Power Input (Nominal)	Cooling	W	25.00		25.00	
		Heating		25.00		25.00	
	Current Input (Nominal)	Cooling	A	0.16		0.16	
		Heating		0.16		0.16	
Fan	Motor	Type	-	Crossflow Fan		Crossflow Fan	
		Output x n	w	23 x 1		23 x 1	
	Air Flow Rate	H/M/L (UL)	CMM	5.40 / 5.10 / 4.80		5.40 / 5.10 / 4.80	
			I/s	90.00 / 85.00 / 80.00		90.00 / 85.00 / 80.00	
	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	ID18 HOSE		ID18 HOSE	
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 INCLUDED		EEV NOT INCLUDED	
Sound	Pressure	High / Mid / Low	dB(A)	26.0 / 25.0 / 24.0		26.0 / 25.0 / 24.0	
	Power	Cooling		43.0		43.0	
Dimension	Net Weight		kg	8.30		8.00	
	Shipping Weight		kg	11.30		11.00	
	Net Dimensions (WxHxD)		mm	825 x 285 x 189		825 x 285 x 189	
	Shipping Dimensions (WxHxD)		mm	904 x 353 x 263		904 x 353 x 263	
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	- / 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.

- 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.

- Specifications may be subject to change without prior notice.

1 Specifications

Neo Forte

Type				Neo Forte (EEV)		Neo Forte	
Model				AM022FNQDEH/EU		AM022FNTDEH/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	2.20		2.20	
			Btu/h	7,500		7,500	
		Heating	kW	2.50		2.50	
			Btu/h	8,500		8,500	
Power	Power Input (Nominal)	Cooling	W	25.00		25.00	
		Heating		25.00		25.00	
	Current Input (Nominal)	Cooling	A	0.16		0.16	
		Heating		0.16		0.16	
Fan	Motor	Type	-	Crossflow Fan		Crossflow Fan	
		Output x n	w	23 x 1		23 x 1	
	Air Flow Rate	H/M/L (UL)	CMM	7.80 / 6.80 / 5.80		7.80 / 6.80 / 5.80	
			I/s	130.00 / 113.33 / 96.67		130.00 / 113.33 / 96.67	
	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	ID18 HOSE		ID18 HOSE	
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 INCLUDED		EEV NOT INCLUDED	
Sound	Pressure	High / Mid / Low	dB(A)	31.0 / 29.0 / 26.0		30.0 / 28.0 / 26.0	
	Power	Cooling		49.0		48.0	
Dimension	Net Weight		kg	8.30		8.00	
	Shipping Weight		kg	11.30		11.00	
	Net Dimensions (WxHxD)		mm	825 x 285 x 189		825 x 285 x 189	
	Shipping Dimensions (WxHxD)		mm	904 x 353 x 263		904 x 353 x 263	
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	- / 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.
- 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

Neo Forte

Type				Neo Forte (EEV)		Neo Forte	
Model				AM028FNQDEH/EU		AM028FNTDEH/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		2.80	
			Btu/h	9,600		9,600	
		Heating	kW	3.20		3.20	
			Btu/h	10,900		10,900	
Power	Power Input (Nominal)	Cooling	W	25.00		25.00	
		Heating		25.00		25.00	
	Current Input (Nominal)	Cooling	A	0.16		0.16	
		Heating		0.16		0.16	
Fan	Motor	Type	-	Crossflow Fan		Crossflow Fan	
		Output x n	w	23 x 1		23 x 1	
	Air Flow Rate	H/M/L (UL)	CMM	7.80 / 6.80 / 5.80		7.80 / 6.80 / 5.80	
			I/s	130.00 / 113.33 / 96.67		130.00 / 113.33 / 96.67	
	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	ID18 HOSE		ID18 HOSE	
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 INCLUDED		EEV NOT INCLUDED	
Sound	Pressure	High / Mid / Low	dB(A)	31.0 / 29.0 / 26.0		30.0 / 28.0 / 26.0	
	Power	Cooling		49.0		48.0	
Dimension	Net Weight		kg	8.30		8.00	
	Shipping Weight		kg	11.30		11.00	
	Net Dimensions (WxHxD)		mm	825 x 285 x 189		825 x 285 x 189	
	Shipping Dimensions (WxHxD)		mm	904 x 353 x 263		910 x 358 x 258	
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	- / 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

Neo Forte

Type				Neo Forte (EEV)		Neo Forte	
Model				AM036FNQDEH/EU		AM036FNTDEH/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	3.60		3.60	
			Btu/h	12,300		12,300	
		Heating	kW	4.00		4.00	
			Btu/h	13,600		13,600	
Power	Power Input (Nominal)	Cooling	W	30.00		30.00	
		Heating		30.00		30.00	
	Current Input (Nominal)	Cooling	A	0.18		0.18	
		Heating		0.18		0.18	
Fan	Motor	Type	-	Crossflow Fan		Crossflow Fan	
		Output x n	w	23 x 1		23 x 1	
	Air Flow Rate	H/M/L (UL)	CMM	9.30 / 8.30 / 7.30		9.30 / 8.30 / 7.30	
			I/s	155.00 / 138.33 / 121.67		155.00 / 138.33 / 121.67	
	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	ID18 HOSE		ID18 HOSE	
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 INCLUDED		EEV NOT INCLUDED	
Sound	Pressure	High / Mid / Low	dB(A)	37.0 / 33.0 / 29.0		36.0 / 32.0 / 28.0	
	Power	Cooling		54.0		53.0	
Dimension	Net Weight		kg	8.30		8.00	
	Shipping Weight		kg	11.30		11.00	
	Net Dimensions (WxHxD)		mm	825 x 285 x 189		825 x 285 x 189	
	Shipping Dimensions (WxHxD)		mm	904 x 353 x 263		910 x 358 x 258	
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	- / 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

Neo Forte

Type				Neo Forte (EEV)		Neo Forte (EEV)	
Model				AM045FNQDEH/EU		AM056FNQDEH/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	40.00		45.00	
		Heating		40.00		45.00	
	Current Input (Nominal)	Cooling	A	0.24		0.27	
		Heating		0.24		0.27	
Fan	Motor	Type	-	Crossflow Fan		Crossflow Fan	
		Output x n	w	40 x 1		40 x 1	
	Air Flow Rate	H/M/L (UL)	CMM	11.70 / 10.20 / 8.70		13.00 / 10.50 / 9.00	
			I/s	195.00 / 170.00 / 145.00		216.67 / 175.00 / 150.00	
	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	ID18 HOSE		ID18 HOSE	
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 INCLUDED		EEV INCLUDED	
Sound	Pressure	High / Mid / Low	dB(A)	39.0 / 37.0 / 34.0		42.0 / 39.0 / 35.0	
	Power	Cooling		55.0		58.0	
Dimension	Net Weight		kg	13.50		13.50	
	Shipping Weight		kg	16.50		16.50	
	Net Dimensions (WxHxD)		mm	1,065 x 298 x 218		1,065 x 298 x 218	
	Shipping Dimensions (WxHxD)		mm	1,137 x 377 x 299		1,137 x 377 x 299	
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	- / 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

Neo Forte

Type				Neo Forte		Neo Forte (EEV)	
Model				AM056FNTDEH/EU		AM071FNQDEH/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	5.60		6.80	
			Btu/h	19,100		23,200	
		Heating	kW	6.30		7.00	
			Btu/h	21,500		23,900	
Power	Power Input (Nominal)	Cooling	W	45.00		50.00	
		Heating		45.00		50.00	
	Current Input (Nominal)	Cooling	A	0.27		0.30	
		Heating		0.27		0.30	
Fan	Motor	Type	-	Crossflow Fan		Crossflow Fan	
		Output x n	w	40 x 1		40 x 1	
	Air Flow Rate	H/M/L (UL)	CMM	12.00 / 10.50 / 9.00		14.00 / 12.50 / 11.00	
			I/s	200.00 / 175.00 / 150.00		233.33 / 208.33 / 183.33	
	External Pressure	Min/Std/Max	mmAq	-		-	
			Pa	-		-	
Piping Connections	Liquid Pipe		Ø, mm	6.35		9.52	
			Ø, inch	1/4"		3/8"	
	Gas Pipe		Ø, mm	12.70		15.88	
			Ø, inch	1/2"		5/8"	
	Drain Pipe		Ø, mm	ID18 HOSE		ID18 HOSE	
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 NOT INCLUDED		EEV INCLUDED	
Sound	Pressure	High / Mid / Low	dB(A)	42.0 / 40.0 / 35.0		45.0 / 40.0 / 35.0	
	Power	Cooling		57.0		60.0	
Dimension	Net Weight		kg	13.00		13.50	
	Shipping Weight		kg	16.00		16.50	
	Net Dimensions (WxHxD)		mm	1,065 x 298 x 218		1,065 x 298 x 218	
	Shipping Dimensions (WxHxD)		mm	1,137 x 377 x 299		1,137 x 377 x 299	
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	- / 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

Neo Forte

Type				Neo Forte	
Model				AM071FNTDEH/EU	
Power Supply			Ø, #, V, Hz	1,2,220-240,50	
Mode			-	HP/HR	
Performance	Capacity (Nominal)	Cooling	kW	6.80	
			Btu/h	23,200	
		Heating	kW	7.00	
			Btu/h	23,900	
Power	Power Input (Nominal)	Cooling	W	50.00	
		Heating		50.00	
	Current Input (Nominal)	Cooling	A	0.30	
		Heating		0.30	
Fan	Motor	Type	-	Crossflow Fan	
		Output x n	w	40 x 1	
	Air Flow Rate	H/M/L (UL)	CMM	14.00 / 12.50 / 11.00	
			I/s	233.33 / 208.33 / 183.33	
	External Pressure	Min/Std/Max	mmAq	-	
			Pa	-	
Piping Connections	Liquid Pipe		Ø, mm	9.52	
			Ø, inch	3/8"	
	Gas Pipe		Ø, mm	15.88	
			Ø, inch	5/8"	
	Drain Pipe		Ø, mm	ID18 HOSE	
Field Wiring	Power Source Wire		mm²	1.5 - 2.5	
	Transmission Cable		mm²	0.75 - 1.50	
Refrigerant	Type		-	R410A	
	Control Method		-	EEV NOT INCLUDED	
Sound	Pressure	High / Mid / Low	dB(A)	44.0 / 41.0 / 35.0	
	Power	Cooling		59.0	
Dimension	Net Weight		kg	13.00	
	Shipping Weight		kg	16.00	
	Net Dimensions (WxHxD)		mm	1,065 x 298 x 218	
	Shipping Dimensions (WxHxD)		mm	1,137 x 377 x 299	
Panel Size	Panel model		-	-	
	Panel Net Weight		kg	-	
	Shipping Weight		kg	-	
	Net Dimensions (WxHxD)		mm	-	
	Shipping Dimensions (WxHxD)		mm	-	
Additional Accessories		Drain Pump	- / Model	-	
	Drain Pump	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.
- 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.
- Specifications may be subject to change without prior notice.

2 Capacity table

Neo Forte

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	29	3.90	3.00	4.60	3.40	5.30	3.70	5.60	3.80	5.80	3.80	6.20	3.80	6.60	3.50
	31	3.90	3.00	4.60	3.40	5.30	3.70	5.60	3.80	5.80	3.80	6.20	3.80	6.60	3.50
	33	3.90	3.00	4.60	3.40	5.30	3.70	5.60	3.80	5.80	3.80	6.20	3.80	6.60	3.50
	35	3.90	3.00	4.60	3.40	5.30	3.70	5.60	3.80	5.80	3.80	6.20	3.80	6.60	3.50
	37	3.90	3.00	4.60	3.40	5.30	3.70	5.60	3.80	5.80	3.80	6.10	3.70	6.50	3.40
	39	3.90	3.00	4.60	3.40	5.30	3.70	5.60	3.80	5.80	3.80	6.10	3.70	6.40	3.30
7.10	10	4.70	3.70	5.50	4.10	6.40	4.50	6.80	4.60	7.10	4.60	7.60	4.60	8.20	4.40
	12	4.70	3.70	5.50	4.10	6.40	4.50	6.80	4.60	7.10	4.60	7.60	4.60	8.10	4.30
	14	4.70	3.70	5.50	4.10	6.40	4.50	6.80	4.60	7.10	4.60	7.60	4.60	8.10	4.30
	16	4.70	3.70	5.50	4.10	6.40	4.50	6.80	4.60	7.10	4.60	7.60	4.60	8.10	4.30
	18	4.70	3.70	5.50	4.10	6.40	4.50	6.80	4.60	7.00	4.60	7.50	4.50	8.00	4.20
	20	4.70	3.70	5.50	4.10	6.40	4.50	6.80	4.60	7.00	4.60	7.50	4.50	8.00	4.20
	21	4.70	3.70	5.50	4.10	6.40	4.50	6.80	4.60	7.00	4.60	7.50	4.50	8.00	4.20
	23	4.70	3.70	5.50	4.10	6.40	4.50	6.80	4.60	7.00	4.60	7.50	4.50	8.00	4.20
	25	4.70	3.70	5.50	4.10	6.40	4.50	6.80	4.60	7.00	4.60	7.50	4.50	8.00	4.20
	27	4.70	3.70	5.50	4.10	6.40	4.50	6.80	4.60	7.00	4.60	7.50	4.50	8.00	4.20
	29	4.70	3.70	5.50	4.10	6.40	4.50	6.80	4.60	7.00	4.60	7.50	4.50	8.00	4.20
	31	4.70	3.70	5.50	4.10	6.40	4.50	6.80	4.60	7.00	4.60	7.50	4.50	8.00	4.20
	33	4.70	3.70	5.50	4.10	6.40	4.50	6.80	4.60	7.00	4.60	7.50	4.50	8.00	4.20
	35	4.70	3.70	5.50	4.10	6.40	4.50	6.80	4.60	7.00	4.60	7.50	4.50	8.00	4.20
	37	4.70	3.70	5.50	4.10	6.40	4.50	6.80	4.60	7.00	4.60	7.50	4.50	7.90	4.10
	39	4.70	3.70	5.50	4.10	6.40	4.50	6.80	4.60	7.00	4.60	7.40	4.40	7.70	4.00

2 Capacity table

Neo Forte

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	-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
	5	4	2.80	2.70	2.50	2.30	2.20
	7	6	2.80	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
	13	12	3.00	2.70	2.50	2.30	2.20
2.80	-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	2	3.00	3.00	2.90	2.80	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
	11	10	3.50	3.30	3.20	3.00	2.70
	13	12	3.60	3.40	3.20	3.00	2.70
3.60	-20	-21	3.70	3.40	3.20	3.00	2.70
	-17	-18	2.40	2.40	2.30	2.30	2.30
	-15	-16	2.60	2.50	2.40	2.40	2.30
	-12	-13	2.70	2.60	2.50	2.50	2.40
	-10	-11	2.80	2.70	2.70	2.60	2.60
	-7	-8	2.90	2.90	2.90	2.80	2.80
	-5	-6	3.10	3.10	3.00	3.00	2.90
	-3	-4	3.30	3.20	3.20	3.10	3.00
	0	-1	3.40	3.40	3.30	3.20	3.10
	3	2	3.60	3.60	3.50	3.40	3.20
	5	4	3.80	3.70	3.70	3.50	3.40
	7	6	3.90	3.90	3.80	3.60	3.40
	9	8	4.10	4.10	4.00	3.70	3.40
	11	10	4.20	4.10	4.00	3.70	3.40
	13	12	4.40	4.20	4.00	3.70	3.40
4.50	-20	-21	4.50	4.20	4.00	3.70	3.40
	-17	-18	4.60	4.30	4.00	3.70	3.40
	-15	-16	4.80	4.50	4.20	3.90	3.60
	-12	-13	5.00	4.70	4.40	4.10	3.80
	-10	-11	5.20	4.90	4.60	4.30	4.00
	-7	-8	5.40	5.10	4.80	4.50	4.20
	-5	-6	5.60	5.30	5.00	4.70	4.40
	-3	-4	5.80	5.50	5.20	4.90	4.60
	0	-1	6.00	5.70	5.40	5.10	4.80
	3	2	6.20	5.90	5.60	5.30	5.00
	5	4	6.40	6.10	5.80	5.50	5.20
	7	6	6.60	6.30	6.00	5.70	5.40
	9	8	6.80	6.50	6.20	5.90	5.60
	11	10	7.00	6.70	6.40	6.10	5.80
	13	12	7.20	6.90	6.60	6.30	6.00
5.60	-20	-21	7.40	7.10	6.80	6.50	6.20
	-17	-18	7.60	7.30	7.00	6.70	6.40
	-15	-16	7.80	7.50	7.20	6.90	6.60
	-12	-13	8.00	7.70	7.40	7.10	6.80
	-10	-11	8.20	7.90	7.60	7.30	7.00
	-7	-8	8.40	8.10	7.80	7.50	7.20
	-5	-6	8.60	8.30	8.00	7.70	7.40
	-3	-4	8.80	8.50	8.20	7.90	7.60
	0	-1	9.00	8.70	8.40	8.10	7.80
	3	2	9.20	8.90	8.60	8.30	8.00

2 Capacity table

Neo Forte

Heating

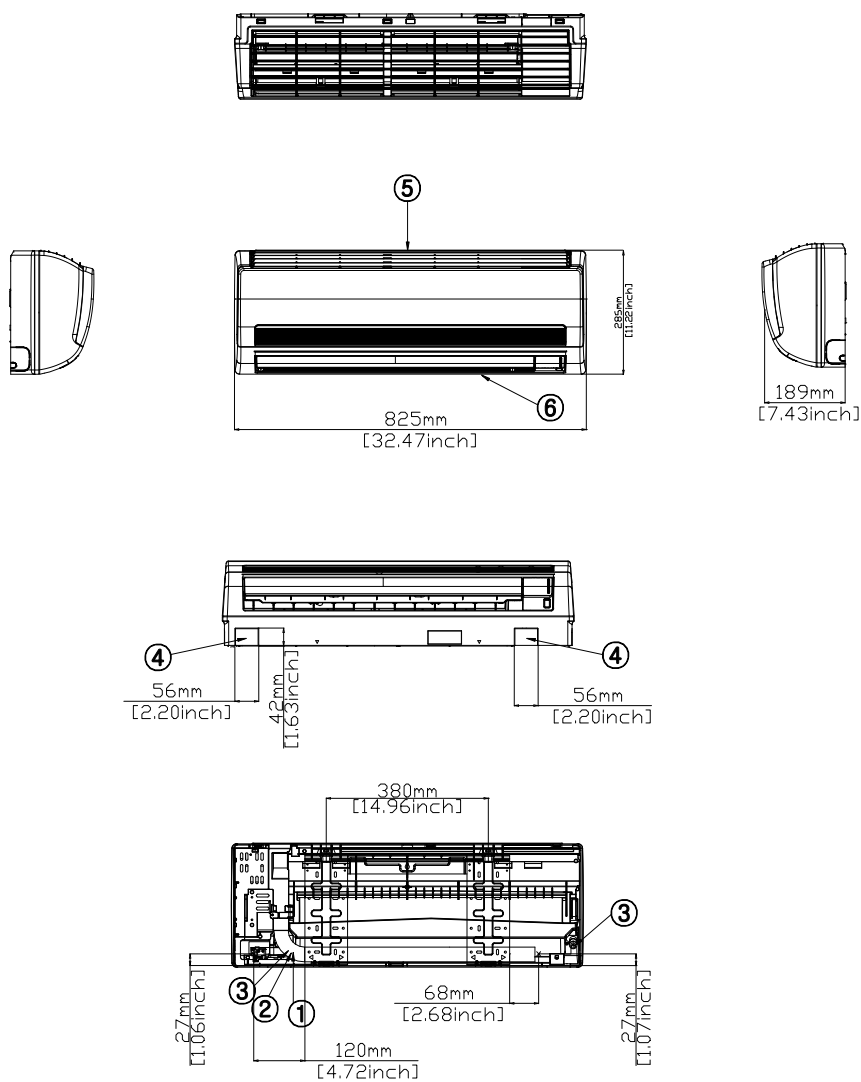
TC : Total Capacity

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
5.60	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
	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
	-20	-21	4.40	4.30	4.20	4.20	4.20
7.10	-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	7.00	6.50	5.90
	9	8	7.40	7.20	7.00	6.50	5.90
	11	10	7.60	7.30	7.00	6.50	5.90
	13	12	7.90	7.40	7.00	6.50	5.90
	15	14	8.10	7.50	7.00	6.50	5.90

3 Dimensional drawing

Neo Forte

AM015HNQDEH/EU, AM015HNTDEH/EU, AM022FNQDEH/EU, AM022FNTDEH/EU, AM028FNQDEH/EU, AM028FNTDEH/EU, AM036FNQDEH/EU, AM036FNTDEH/EU

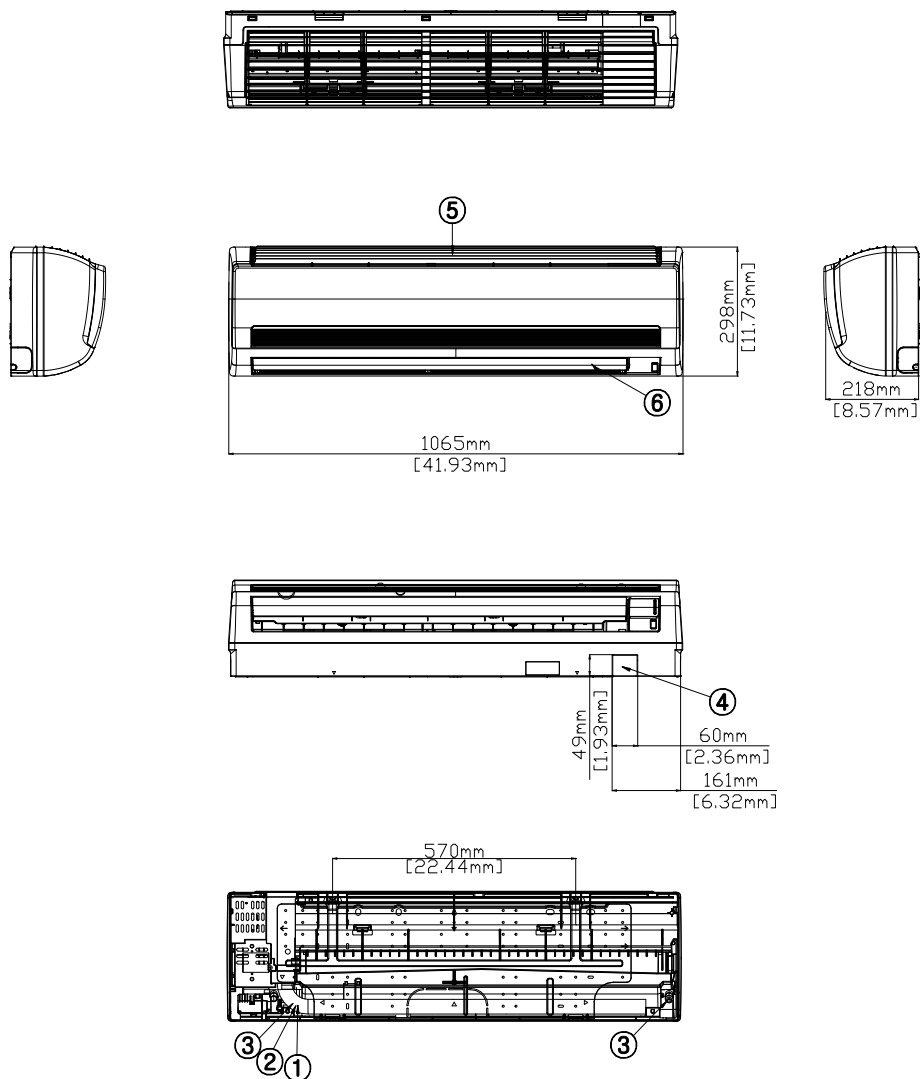


No.	Name
①	Liquid Ref. Pipe
②	Gas Ref. Pipe
③	Drain Pipe Connection
④	Conduit for power supply & Communication wiring
⑤	Air inlet grille
⑥	Air outlet louver

3 Dimensional drawing

Neo Forte

AM045FNQDEH/EU, AM056FNQDEH/EU, AM056FNTDEH/EU, AM071FNQDEH/EU, AM071FNTDEH/EU

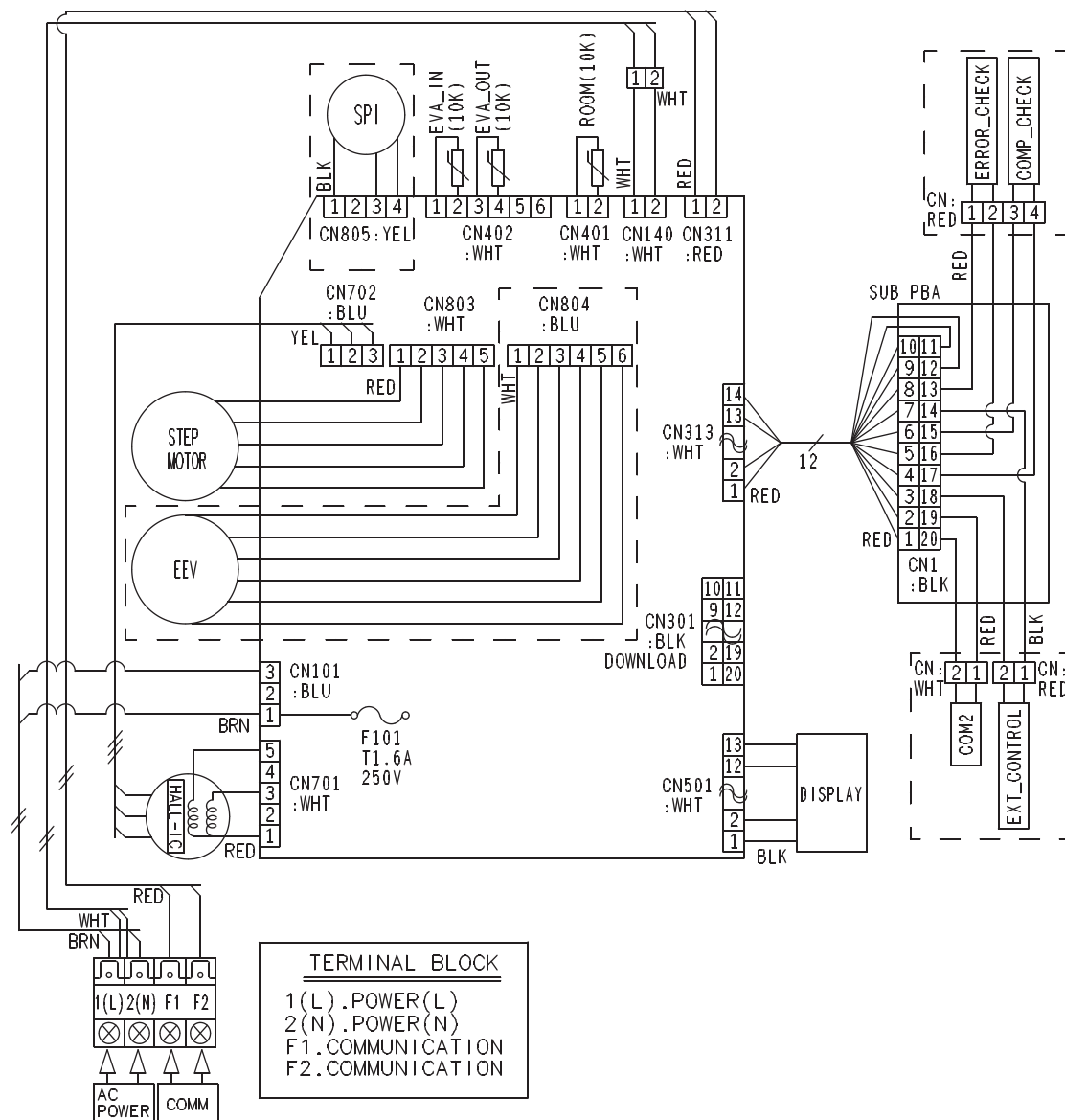


No.	Name
①	Liquid Ref. Pipe
②	Gas Ref. Pipe
③	Drain Pipe Connection
④	Conduit for power supply & Communication wiring
⑤	Air inlet grille
⑥	Air outlet louver

4 Electrical wiring diagram

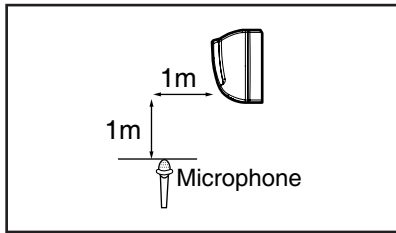
Neo Forte

AM015HNQDEH/EU, AM015HNTDEH/EU, AM022FNQDEH/EU, AM022FNTDEH/EU, AM028FNQDEH/EU, AM028FNTDEH/EU, AM036FNQDEH/EU, AM036FNTDEH/EU, AM045FNQDEH/EU, AM056FNQDEH/EU, AM056FNTDEH/EU, AM071FNQDEH/EU, AM071FNTDEH/EU



5 Sound pressure level

Neo Forte



Unit: dB(A)

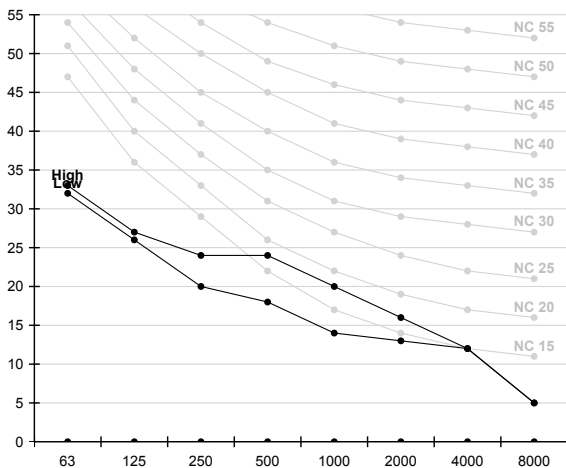
Model	High	Low
AM015HNQDEH/EU	26.0	24.0
AM015HNTDEH/EU	26.0	24.0
AM022FNQDEH/EU	31.0	26.0
AM022FNTDEH/EU	30.0	26.0

Note

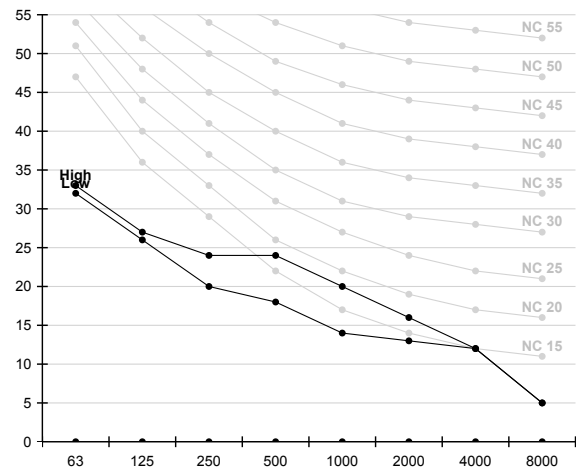
- Measuring place: Anechoic chamber (conversion value)
- These operation values were obtained in an anechoic room. Sound pressure level will vary depending on a construction of the particular room where the equipment is installed.
- Operation sound level may differ depending on operation and ambient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

NC curve

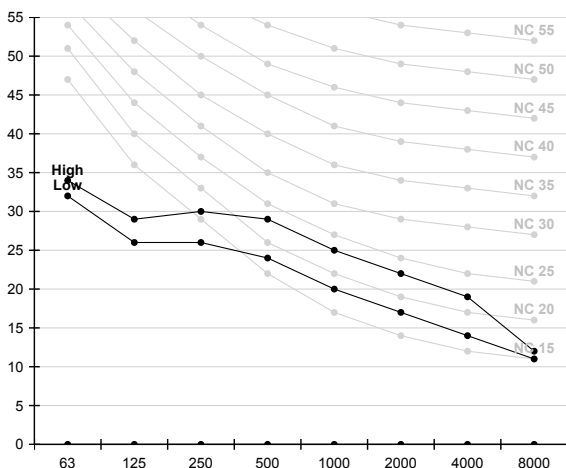
1) AM015HNQDEH/EU



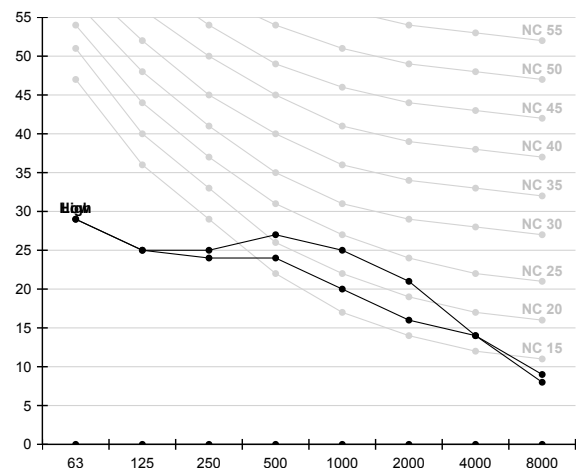
2) AM015HNTDEH/EU



3) AM022FNQDEH/EU

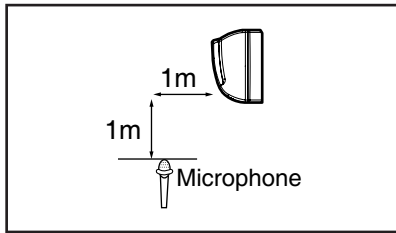


4) AM022FNTDEH/EU



5 Sound pressure level

Neo Forte



Unit: dB(A)

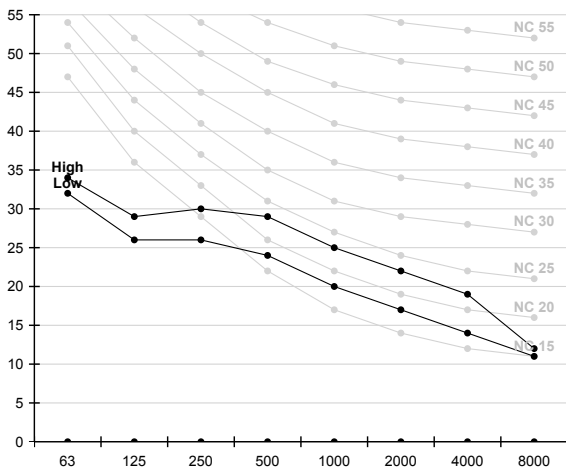
Model	High	Low
AM028FNQDEH/EU	31.0	26.0
AM028FNTDEH/EU	30.0	26.0
AM036FNQDEH/EU	37.0	29.0
AM036FNTDEH/EU	36.0	28.0

Note

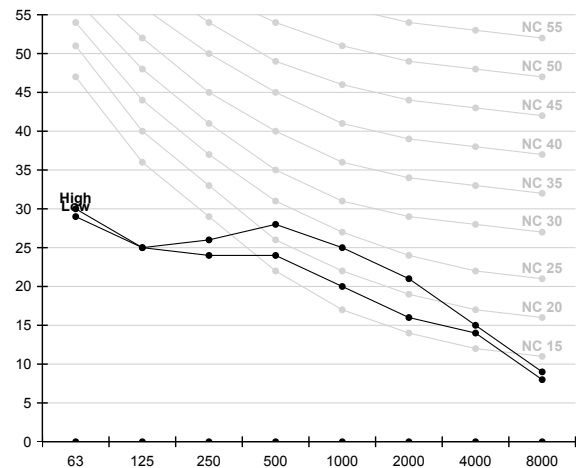
- Measuring place: Anechoic chamber (conversion value)
- These operation values were obtained in an anechoic room. Sound pressure level will vary depending on a construction of the particular room where the equipment is installed.
- Operation sound level may differ depending on operation and ambient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

NC curve

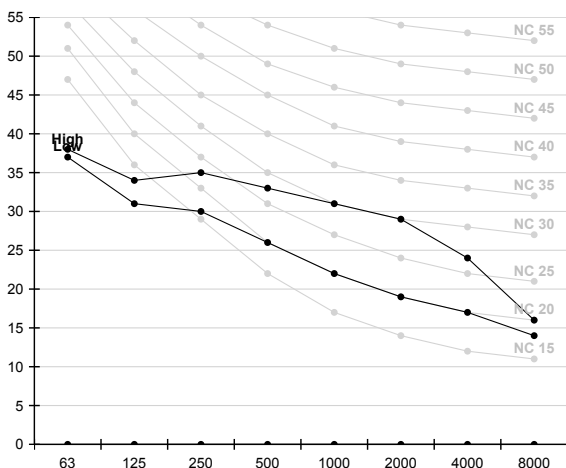
1) AM028FNQDEH/EU



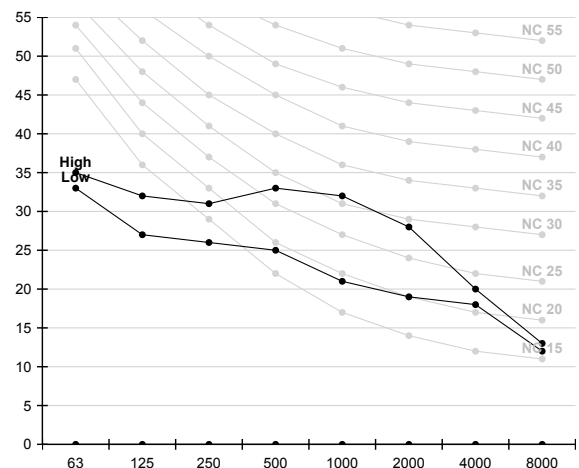
2) AM028FNTDEH/EU



3) AM036FNQDEH/EU

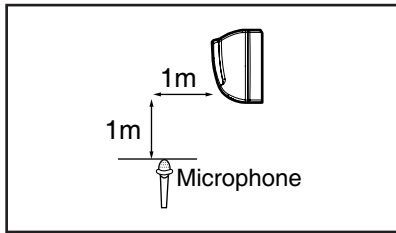


4) AM036FNTDEH/EU



5 Sound pressure level

Neo Forte



Unit: dB(A)

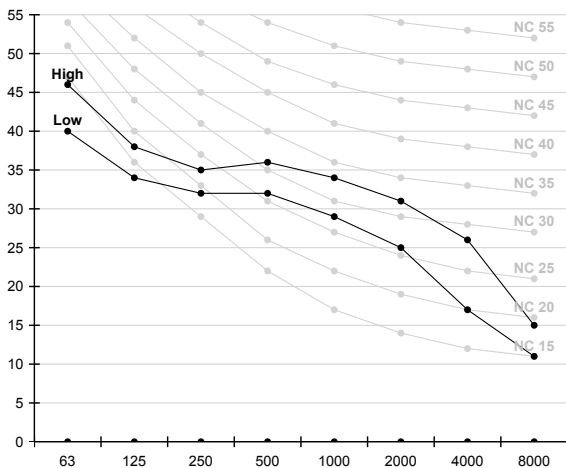
Model	High	Low
AM045FNQDEH/EU	39.0	34.0
AM056FNQDEH/EU	42.0	35.0
AM056FNTDEH/EU	42.0	35.0
AM071FNQDEH/EU	45.0	35.0

Note

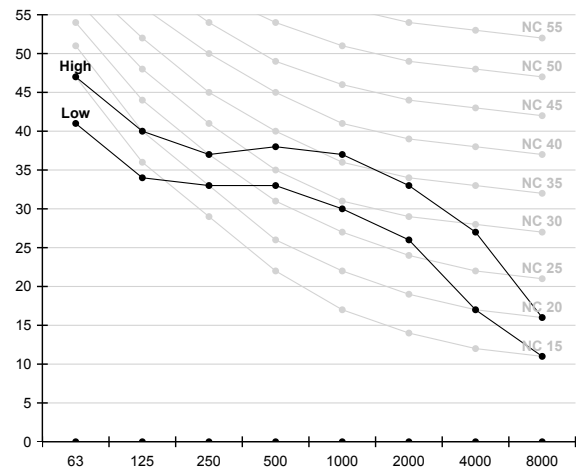
- Measuring place: Anechoic chamber (conversion value)
- These operation values were obtained in an anechoic room. Sound pressure level will vary depending on a construction of the particular room where the equipment is installed.
- Operation sound level may differ depending on operation and ambient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

NC curve

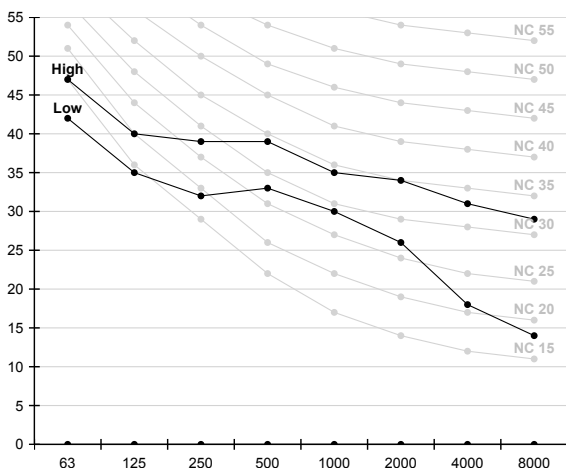
1) AM045FNQDEH/EU



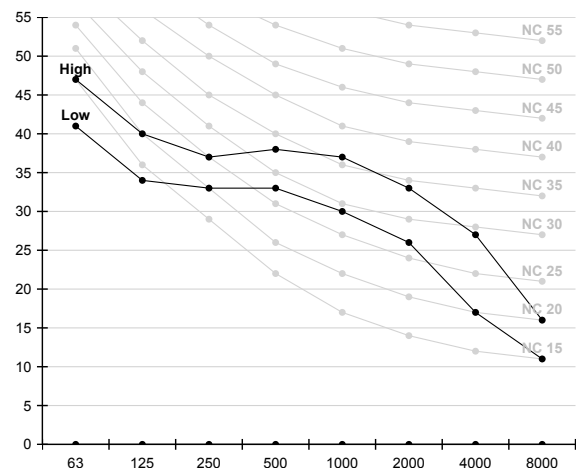
2) AM056FNQDEH/EU



3) AM056FNTDEH/EU

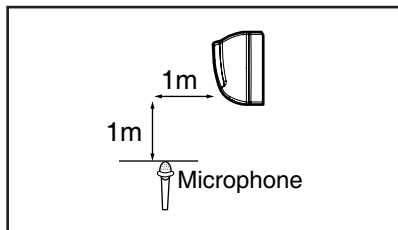


4) AM071FNQDEH/EU



5 Sound pressure level

Neo Forte



Unit: dB(A)

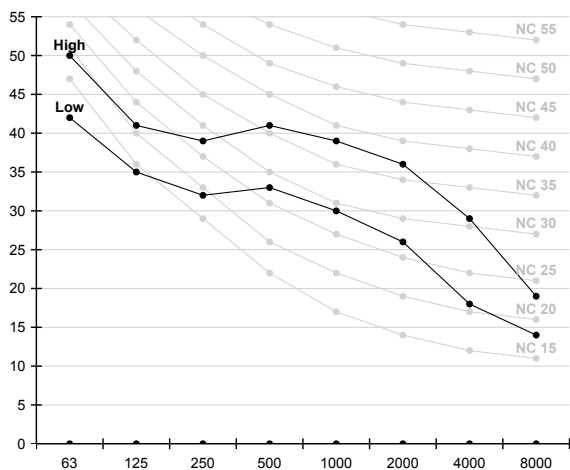
Model	High	Low
AM071FNTDEH/EU	44.0	35.0

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) AM071FNTDEH/EU



6 Sound power level

Neo Forte

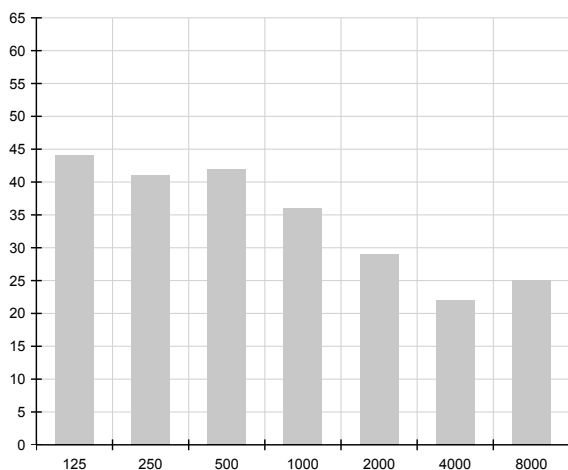
Note

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

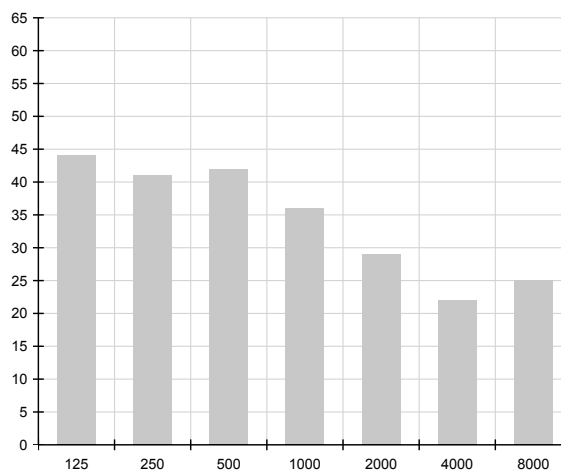
Unit: dB(A)

Model	Power
AM015HNQDEH/EU	43.0
AM015HNTDEH/EU	43.0
AM022FNQDEH/EU	49.0
AM022FNTDEH/EU	48.0

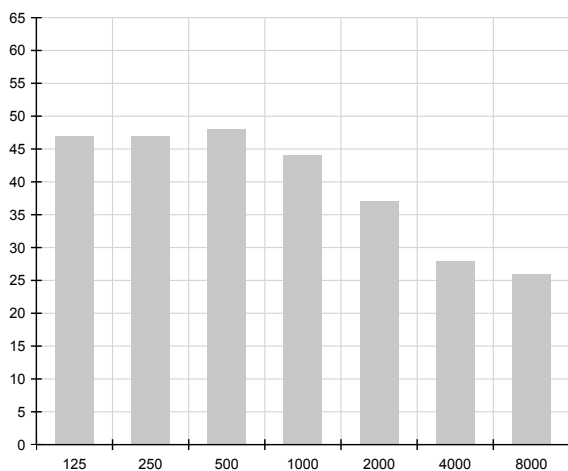
1)AM015HNQDEH/EU



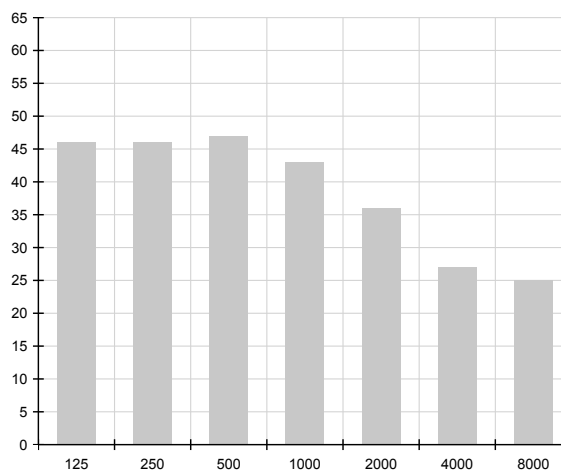
2)AM015HNTDEH/EU



3)AM022FNQDEH/EU



4)AM022FNTDEH/EU



6 Sound power level

Neo Forte

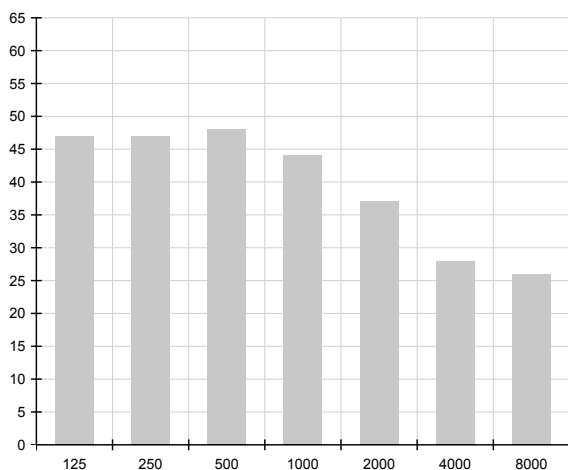
Note

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

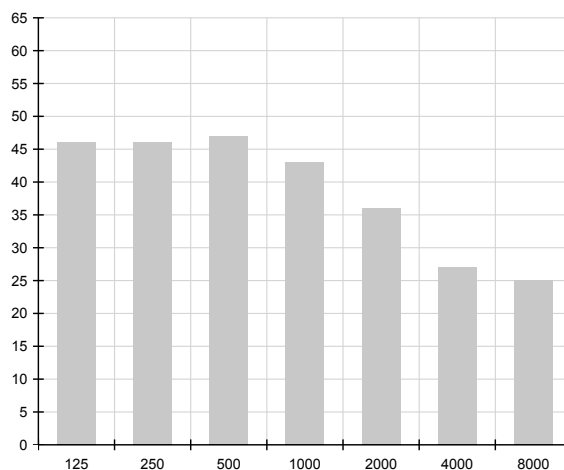
Unit: dB(A)

Model	Power
AM028FNQDEH/EU	49.0
AM028FNTDEH/EU	48.0
AM036FNQDEH/EU	54.0
AM036FNTDEH/EU	53.0

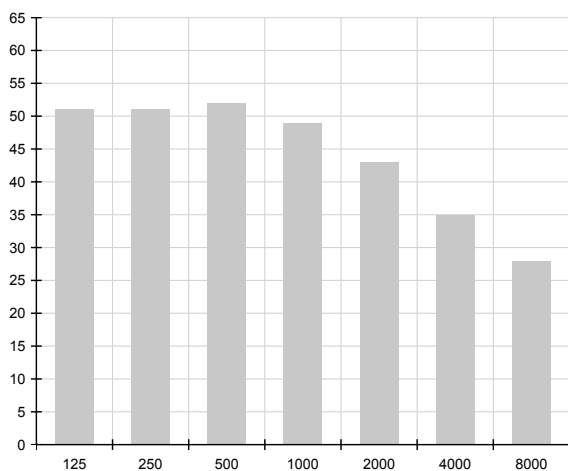
1)AM028FNQDEH/EU



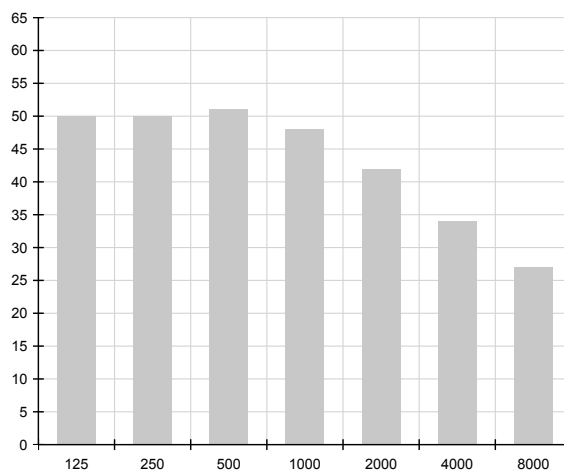
2)AM028FNTDEH/EU



3)AM036FNQDEH/EU



4)AM036FNTDEH/EU



6 Sound power level

Neo Forte

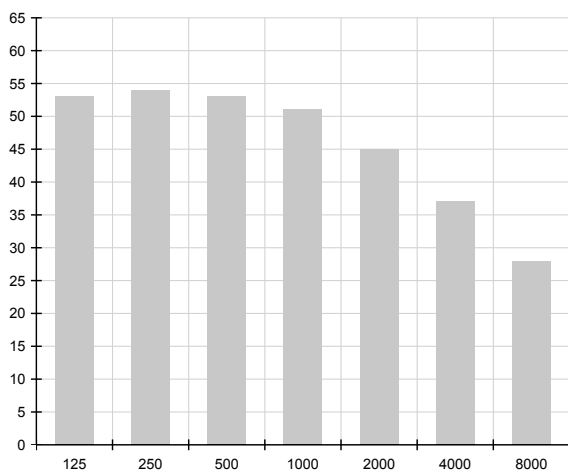
Note

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

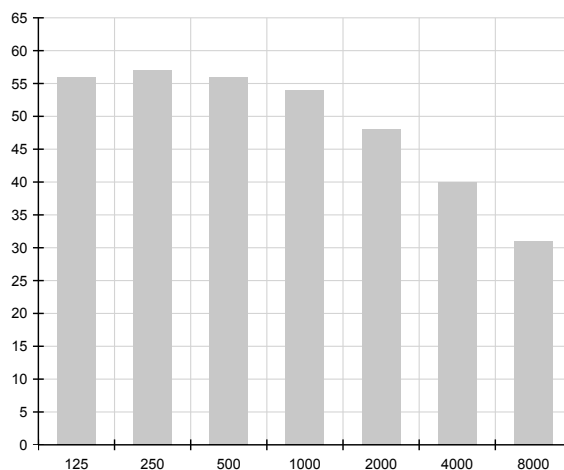
Unit: dB(A)

Model	Power
AM045FNQDEH/EU	55.0
AM056FNQDEH/EU	58.0
AM056FNTDEH/EU	57.0
AM071FNQDEH/EU	60.0

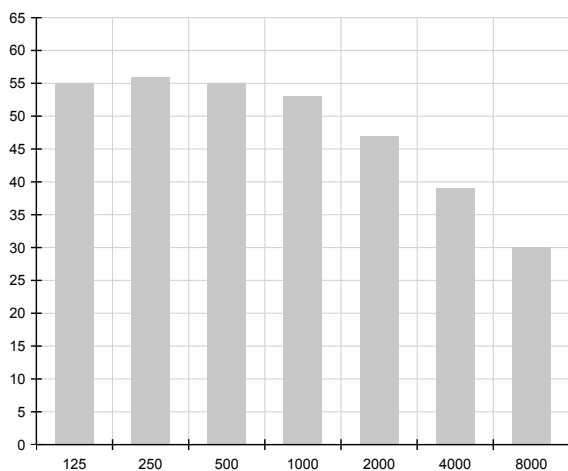
1)AM045FNQDEH/EU



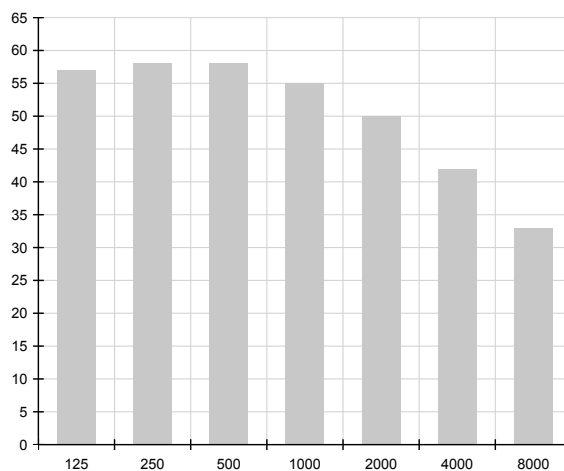
2)AM056FNQDEH/EU



3)AM056FNTDEH/EU



4)AM071FNQDEH/EU



6 Sound power level

Neo Forte

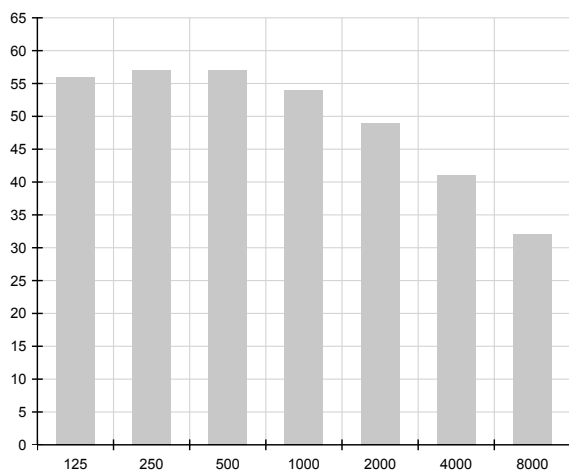
Note

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

Unit: dB(A)

Model	Power
AM071FNTDEH/EU	59.0

1)AM071FNTDEH/EU



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Ver.1.1



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