

VRF

Technical Data Book

Wall-Mounted for America (Neo Forte(EEV))

SAMSUNG

Nomenclature

Indoor Units

Model Names

AM	045	F	N	4	D	C	H	/	* *
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)		Buyer

(1) Classification

AM	DVM
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(2) Capacity

x 1/10 kW (3 digits)
x 1,000 Btu/h (3 digits)

(3) Version

F	2013
H	2014
J	2015

(4) Product type

N	Indoor unit
X	Outdoor unit

(5) Product notation

1	1Way Cassette
2	2Way Cassette
N	4Way Cassette (600x600)
4	4Way Cassette
L	LSP (Slim) Duct
M	MSP Duct
H	HSP Duct
C	Ceiling
T	Neo Forte
Q	Neo Forte(EEV)

(6) Feature

D	Deluxe
P	Premium
F	Flagship

(7) Rating voltage

C	1Φ, 208~230V, 60Hz
H	3Φ, 400V, 60Hz

(8) Mode

H	Heat Pump
R	Heat Recovery
C	Cooling Only

Neo Forte(EEV)

1 Specifications

2 Capacity table

3 Dimensional drawing

4 Electrical wiring diagram

5 Sound pressure level

1 Specifications

Neo Forte(EEV)

Type				Neo Forte		Neo Forte	
Model Name				AM007HNQDCH/AA		AM009HNQDCH/AA	
Power Supply			Ø, #, V, Hz	1,2,208-230,60		1,2,208-230,60	
Mode			-	HP/HR		HP/HR	
Performance	Ton			0.63		0.79	
	Capacity (Nominal)	Cooling	kW	2.20		2.78	
			Btu/h	7,500		9,500	
			US RT	0.63		0.79	
		Heating	kW	2.49		3.08	
			Btu/h	8,500		10,500	
			US RT	0.71		0.88	
Power	Power Input (Nominal)	Cooling	W	37.00		37.00	
		Heating		37.00		37.00	
	Current Input (Nominal)	Cooling	A	0.25		0.25	
		Heating		0.25		0.25	
Fan	Motor	Type	-	Crossflow Fan		Crossflow Fan	
		Output x n	W	23 x 1		23 x 1	
	Air Flow	H/M/L (UL)	CFM	275.46 / 240.15 / 204.83		275.46 / 240.15 / 204.83	
	External Pressure	Min / Std / Max	Pa	-		-	
			In Wg	-		-	
	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	AWG 14		AWG 14	
	Transmission Cable		mm²	2 X 16 AWG SHIELDED		2 X 16 AWG SHIELDED	
Refrigerant	Type		-	R410A		R410A	
	Control Method		-	EEV(O)		EEV(O)	
Sound	Pressure	High / Mid / Low	dB(A)	31.0 / 29.0 / 26.0		31.0 / 29.0 / 26.0	
	Power	Cooling		-		-	
Dimensions	Net Weight		kg	8.80		8.80	
			lbs	19.40		19.40	
	Shipping Weight		kg	11.30		11.30	
			lbs	24.91		24.91	
	Net Dimensions (WxHxD)		mm	825 x 285 x 189		825 x 285 x 189	
			inch	32.48 x 11.22 x 7.44		32.48 x 11.22 x 7.44	
	Shipping Dimensions (WxHxD)		mm	904 x 353 x 263		904 x 353 x 263	
			inch	35.59 x 13.90 x 10.35		35.59 x 13.90 x 10.35	
Panel Size	Panel Model		-	-		-	
	Panel Net Weight		kg	-		-	
			lbs	-		-	
	Shipping Weight		kg	-		-	
			lbs	-		-	
	Net Dimensions (WxHxD)		mm	-		-	
			inch	-		-	
	Shipping Dimensions (WxHxD)		mm	-		-	
inch			-		-		
Additional Accessories	Drain pump	Drain pump	-	-		-	
		Max. lifting Height / Displacement	mm / liter / h	-		-	
	Air Filter		-	-		-	

- Nominal capacity are based on (Refrigerant Piping : 25ft , Level Differences : 0ft);

.Cooling : Indoor temperature : 80°F DB, 67°F WB / Outdoor temperature : 95°F DB, 75°F WB

.Heating : Indoor temperature : 70°F DB, 60°F WB / Outdoor temperature : 47°F DB, 43°F WB

- Sound pressure was acquired in a dead room. Thus actual noise level may be different depending on the installation conditions.

- Specifications are subject to change without prior notice for product improvement.

1 Specifications

Neo Forte(EEV)

Type				Neo Forte		Neo Forte	
Model Name				AM012HNQDCH/AA		AM018HNQDCH/AA	
Power Supply			Ø, #, V, Hz	1,2,208-230,60		1,2,208-230,60	
Mode			-	HP/HR		HP/HR	
Performance	Ton			1.00		1.50	
	Capacity (Nominal)	Cooling	kW	3.52		5.28	
			Btu/h	12,000		18,000	
			US RT	1.00		1.50	
		Heating	kW	3.96		5.86	
			Btu/h	13,500		20,000	
	US RT		1.13		1.67		
Power	Power Input (Nominal)	Cooling	W	45.00		55.00	
		Heating		45.00		55.00	
	Current Input (Nominal)	Cooling	A	0.30		0.36	
		Heating		0.30		0.36	
Fan	Motor	Type	-	Crossflow Fan		Crossflow Fan	
		Output x n	W	23 x 1		40 x 1	
	Air Flow	H/M/L (UL)	CFM	328.44 / 293.12 / 257.81		423.79 / 370.82 / 317.84	
	External Pressure	Min / Std / Max	Pa	-		-	
			In Wg	-		-	
	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	AWG 14		AWG 14	
	Transmission Cable		mm²	2 X 16 AWG SHIELDED		2 X 16 AWG SHIELDED	
Refrigerant	Type		-	R410A		R410A	
	Control Method		-	EEV(O)		EEV(O)	
Sound	Pressure	High / Mid / Low	dB(A)	37.0 / 33.0 / 29.0		39.0 / 37.0 / 34.0	
	Power	Cooling		-		-	
Dimensions	Net Weight		kg	8.80		13.00	
			lbs	19.40		28.66	
	Shipping Weight		kg	11.30		16.00	
			lbs	24.91		35.27	
	Net Dimensions (WxHxD)		mm	825 x 285 x 189		1,065 x 298 x 218	
			inch	32.48 x 11.22 x 7.44		41.93 x 11.73 x 8.58	
	Shipping Dimensions (WxHxD)		mm	904 x 353 x 263		1,138 x 378 x 301	
			inch	35.59 x 13.90 x 10.35		44.80 x 14.88 x 11.85	
Panel Size	Panel Model		-	-		-	
	Panel Net Weight		kg	-		-	
			lbs	-		-	
	Shipping Weight		kg	-		-	
			lbs	-		-	
	Net Dimensions (WxHxD)		mm	-		-	
			inch	-		-	
	Shipping Dimensions (WxHxD)		mm	-		-	
inch			-		-		
Additional Accessories	Drain pump	Drain pump	-	-		-	
		Max. lifting Height / Displacement	mm / liter / h	-		-	
	Air Filter		-	-		-	

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.Cooling : Indoor temperature : 80°F DB, 67°F WB / Outdoor temperature : 95°F DB, 75°F WB

.Heating : Indoor temperature : 70°F DB, 60°F WB / Outdoor temperature : 47°F DB, 43°F WB

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1 Specifications

Neo Forte(EEV)

Type				Neo Forte		Neo Forte	
Model Name				AM020HNQDCH/AA		AM024HNQDCH/AA	
Power Supply			Ø, #, V, Hz	1,2,208-230,60		1,2,208-230,60	
Mode			-	HP/HR		HP/HR	
Performance	Ton			1.67		1.93	
	Capacity (Nominal)	Cooling	kW	5.86		6.80	
			Btu/h	20,000		23,200	
			US RT	1.67		1.93	
		Heating	kW	6.74		6.98	
			Btu/h	23,000		23,800	
			US RT	1.92		1.98	
Power	Power Input (Nominal)	Cooling	W	57.00		60.00	
		Heating		57.00		60.00	
	Current Input (Nominal)	Cooling	A	0.38		0.40	
		Heating		0.38		0.40	
Fan	Motor	Type	-	Crossflow Fan		Crossflow Fan	
		Output x n	W	40 x 1		40 x 1	
	Air Flow	H/M/L (UL)	CFM	494.42 / 441.45 / 388.48		494.42 / 441.45 / 388.48	
	External Pressure	Min / Std / Max	Pa	-		-	
			In Wg	-		-	
	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	AWG 14		AWG 14	
	Transmission Cable		mm²	2 X 16 AWG SHIELDED		2 X 16 AWG SHIELDED	
Refrigerant	Type		-	R410A		R410A	
	Control Method		-	EEV(O)		EEV(O)	
Sound	Pressure	High / Mid / Low	dB(A)	42.0 / 39.0 / 35.0		45.0 / 40.0 / 35.0	
	Power	Cooling		-		-	
Dimensions	Net Weight		kg	13.00		13.00	
			lbs	28.66		28.66	
	Shipping Weight		kg	16.00		16.00	
			lbs	35.27		35.27	
	Net Dimensions (WxHxD)		mm	1,065 x 298 x 218		1,065 x 298 x 218	
			inch	41.93 x 11.73 x 8.58		41.93 x 11.73 x 8.58	
	Shipping Dimensions (WxHxD)		mm	1,138 x 378 x 301		1,138 x 378 x 301	
			inch	44.80 x 14.88 x 11.85		44.80 x 14.88 x 11.85	
Panel Size	Panel Model		-	-		-	
	Panel Net Weight		kg	-		-	
			lbs	-		-	
	Shipping Weight		kg	-		-	
			lbs	-		-	
	Net Dimensions (WxHxD)		mm	-		-	
			inch	-		-	
	Shipping Dimensions (WxHxD)		mm	-		-	
inch			-		-		
Additional Accessories	Drain pump	Drain pump	-	-		-	
		Max. lifting Height / Displacement	mm / liter / h	-		-	
	Air Filter		-	-		-	

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2 Capacity table

Neo Forte(EEV)

Cooling

TC : Total Capacity, SHC : Sensible Heat Capacity

Model	Outdoor temperature (°F, DB)	Indoor temperature (°F, WB)													
		57.0		61.0		64.0		67.0		70.0		72.0		75.0	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
007	50.0	5.10	4.30	6.20	4.80	7.00	5.40	7.50	5.10	7.80	5.10	8.40	5.10	9.10	5.10
	54.0	5.10	4.30	6.20	4.80	7.00	5.40	7.50	5.10	7.80	5.10	8.40	5.10	8.90	4.80
	58.0	5.10	4.30	6.20	4.80	7.00	5.40	7.50	5.10	7.80	5.10	8.40	5.10	8.90	4.80
	60.0	5.10	4.30	6.20	4.80	7.00	5.40	7.50	5.10	7.80	5.10	8.40	5.10	8.90	4.80
	64.0	5.10	4.30	6.20	4.80	7.00	5.40	7.50	5.10	7.80	5.10	8.40	5.10	8.90	4.80
	67.0	5.10	4.30	6.20	4.80	7.00	5.40	7.50	5.10	7.80	5.10	8.40	5.10	8.90	4.80
	70.0	5.10	4.30	6.20	4.80	7.00	5.40	7.50	5.10	7.80	5.10	8.40	5.10	8.90	4.80
	73.0	5.10	4.30	6.20	4.80	7.00	5.40	7.50	5.10	7.80	5.10	8.40	5.10	8.90	4.80
	77.0	5.10	4.30	6.20	4.80	7.00	5.40	7.50	5.10	7.80	5.10	8.40	5.10	8.90	4.80
	80.0	5.10	4.30	6.20	4.80	7.00	5.40	7.50	5.10	7.80	5.10	8.40	5.10	8.90	4.80
	84.0	5.10	4.30	6.20	4.80	7.00	5.40	7.50	5.10	7.80	5.10	8.40	5.10	8.90	4.80
	88.0	5.10	4.30	6.20	4.80	7.00	5.40	7.50	5.10	7.80	5.10	8.40	5.10	8.90	4.80
	92.0	5.10	4.30	6.20	4.80	7.00	5.40	7.50	5.10	7.80	5.10	8.40	5.10	8.90	4.80
	95.0	5.10	4.30	6.20	4.80	7.00	5.40	7.50	5.10	7.80	5.10	8.40	5.10	8.90	4.80
	99.0	5.10	4.30	6.20	4.80	7.00	5.40	7.50	5.10	7.80	5.10	8.10	5.10	8.70	4.60
	103.0	5.10	4.30	6.20	4.80	7.00	5.40	7.30	4.80	7.50	5.10	8.10	4.60	8.10	4.30
	107.0	5.10	4.30	6.20	4.80	6.80	5.10	7.30	4.80	7.50	4.60	7.30	4.30	7.50	4.10
	111.0	5.10	4.30	6.20	4.80	6.80	5.10	7.30	4.80	7.50	4.60	7.30	4.30	7.50	4.00
	115.0	5.10	4.30	6.20	4.80	6.80	5.10	7.30	4.80	7.50	4.60	7.30	4.30	7.50	4.00
	118.0	5.10	4.30	6.20	4.80	6.80	5.10	7.30	4.80	7.50	4.60	7.30	4.30	7.50	4.00
009	50.0	6.40	5.40	7.80	6.10	8.80	6.80	9.50	6.40	9.80	6.40	10.50	6.40	11.50	6.40
	54.0	6.40	5.40	7.80	6.10	8.80	6.80	9.50	6.40	9.80	6.40	10.50	6.40	11.20	6.10
	58.0	6.40	5.40	7.80	6.10	8.80	6.80	9.50	6.40	9.80	6.40	10.50	6.40	11.20	6.10
	60.0	6.40	5.40	7.80	6.10	8.80	6.80	9.50	6.40	9.80	6.40	10.50	6.40	11.20	6.10
	64.0	6.40	5.40	7.80	6.10	8.80	6.80	9.50	6.40	9.80	6.40	10.50	6.40	11.20	6.10
	67.0	6.40	5.40	7.80	6.10	8.80	6.80	9.50	6.40	9.80	6.40	10.50	6.40	11.20	6.10
	70.0	6.40	5.40	7.80	6.10	8.80	6.80	9.50	6.40	9.80	6.40	10.50	6.40	11.20	6.10
	73.0	6.40	5.40	7.80	6.10	8.80	6.80	9.50	6.40	9.80	6.40	10.50	6.40	11.20	6.10
	77.0	6.40	5.40	7.80	6.10	8.80	6.80	9.50	6.40	9.80	6.40	10.50	6.40	11.20	6.10
	80.0	6.40	5.40	7.80	6.10	8.80	6.80	9.50	6.40	9.80	6.40	10.50	6.40	11.20	6.10
	84.0	6.40	5.40	7.80	6.10	8.80	6.80	9.50	6.40	9.80	6.40	10.50	6.40	11.20	6.10
	88.0	6.40	5.40	7.80	6.10	8.80	6.80	9.50	6.40	9.80	6.40	10.50	6.40	11.20	6.10
	92.0	6.40	5.40	7.80	6.10	8.80	6.80	9.50	6.40	9.80	6.40	10.50	6.40	11.20	6.10
	95.0	6.40	5.40	7.80	6.10	8.80	6.80	9.50	6.40	9.80	6.40	10.50	6.40	11.20	6.10
	99.0	6.40	5.40	7.80	6.10	8.80	6.80	9.50	6.40	9.80	6.40	10.50	6.40	11.20	6.10
	103.0	6.40	5.40	7.80	6.10	8.80	6.80	9.50	6.40	9.80	6.40	10.20	6.10	10.90	5.80
	107.0	6.40	5.40	7.80	6.10	8.80	6.80	9.20	6.10	9.50	6.10	9.80	5.80	10.20	5.40
	111.0	6.40	5.40	7.80	6.10	8.50	6.40	9.20	6.10	9.20	5.80	9.20	5.40	9.50	5.10
	115.0	6.40	5.40	7.80	6.10	8.50	6.40	9.20	6.10	9.20	5.80	9.20	5.40	9.50	5.10
	118.0	6.40	5.40	7.80	6.10	8.50	6.40	9.20	6.10	9.20	5.80	9.20	5.40	9.50	5.10
012	50.0	8.29	6.99	9.69	7.30	11.29	7.71	12.01	7.98	12.28	7.98	13.31	7.98	14.30	7.71
	54.0	8.29	6.99	9.69	7.30	11.29	7.71	12.01	7.98	12.28	7.98	13.31	7.98	14.30	7.71
	58.0	8.29	6.99	9.69	7.30	11.29	7.71	12.01	7.98	12.28	7.98	13.31	7.98	14.30	7.71
	60.0	8.29	6.99	9.69	7.30	11.29	7.71	12.01	7.98	12.28	7.98	13.31	7.98	14.30	7.71
	64.0	8.29	6.99	9.69	7.30	11.29	7.71	12.01	7.98	12.28	7.98	13.31	7.98	14.30	7.71
	67.0	8.29	6.99	9.69	7.30	11.29	7.71	12.01	7.98	12.28	7.98	13.31	7.98	13.99	7.71
	70.0	8.29	6.99	9.69	7.30	11.29	7.71	12.01	7.98	12.28	7.98	13.31	7.98	13.99	7.71
	73.0	8.29	6.99	9.69	7.30	11.29	7.71	12.01	7.98	12.28	7.98	13.31	7.98	13.99	7.71
	77.0	8.29	6.99	9.69	7.30	11.29	7.71	12.01	7.98	12.28	7.98	13.31	7.98	13.99	7.71
	80.0	8.29	6.99	9.69	7.30	11.29	7.71	12.01	7.98	12.28	7.98	13.31	7.98	13.99	7.71
	84.0	8.29	6.99	9.69	7.30	11.29	7.71	12.01	7.98	12.28	7.98	13.31	7.98	13.99	7.71
	88.0	8.29	6.99	9.69	7.30	11.29	7.71	12.01	7.98	12.28	7.98	13.31	7.98	13.99	7.71
	92.0	8.29	6.99	9.69	7.30	11.29	7.71	12.01	7.98	12.28	7.98	13.31	7.98	13.99	7.71
	95.0	8.29	6.99	9.69	7.30	11.29	7.71	12.00	7.98	12.28	7.98	13.31	7.98	13.99	7.71
	99.0	8.29	6.99	9.69	7.30	11.29	7.71	12.01	7.98	12.28	7.98	13.00	7.71	13.99	7.71
	103.0	8.29	6.99	9.69	7.30	11.29	7.71	12.01	7.98	12.28	7.98	13.00	7.71	13.72	7.30
	107.0	8.29	6.99	9.69	7.30	11.29	7.71	11.70	7.71	12.01	7.71	12.28	7.30	13.00	6.99
	111.0	8.29	6.99	9.69	7.30	10.71	7.30	11.29	7.30	11.70	7.30	11.70	6.99	12.01	6.31
	115.0	8.29	6.99	9.69	7.30	10.71	7.30	11.29	7.30	11.70	7.30	11.70	6.99	12.01	6.31
	118.0	8.29	6.99	9.69	7.30	10.71	7.30	11.29	7.30	11.70	7.30	11.70	6.99	12.01	6.31
018	50.0	12.50	9.60	14.80	10.90	17.00	11.90	18.00	12.20	18.60	12.20	20.30	12.50	21.50	11.60
	54.0	12.50	9.60	14.80	10.90	17.00	11.90	18.00	12.20	18.60	12.20	20.30	12.50	21.50	11.60
	58.0	12.50	9.60	14.80	10.90	17.00	11.90	18.00	12.20	18.60	12.20	19.90	12.20	21.50	11.60
	60.0	12.50	9.60	14.80	10.90	17.00	11.90	18.00	12.20	18.60	12.20	19.90	12.20	21.20	11.30
	64.0	12.50	9.60	14.80	10.90	17.00	11.90	18.00	12.20	18.60	12.20	19.90	12.20	21.20	11.30
	67.0	12.50	9.60	14.80	10.90	17.00	11.90	18.00	12.20	18.60	12.20	19.90	12.20	21.20	11.30
	70.0	12.50	9.60	14.80	10.90	17.00	11.90	18.00	12.20	18.60	12.20	19.90	12.20	21.20	11.30
	73.0	12.50	9.60	14.80	10.90	17.00	11.90	18.00	12.20	18.60	12.20	19.90	12.20	21.20	11.30
	77.0	12.50	9.60	14.80	10.90	17.00	11.90	18.00	12.20	18.60	12.20	19.90	12.20	21.20	11.30
	80.0	12.50	9.60	14.80	10.90	17.00	11.90	18.00	12.20	18.60	12.20	19.90	12.20	21.20	11.30
	84.0	12.50	9.60	14.80	10.90	17.00	11.90	18.00	12.20	18.60	12.20	19.90	12.20	21.20	11.30
	88.0	12.50	9.60	14.80	10.90	17.00	11.90	18.00	12.20	18.60	12.20	19.90	12.20	21.20	11.30
	92.0	12.50	9.60	14.80	10.90	17.00	11.90	18.00	12.20	18.60	12.20	19.90	12.20	21.20	11.30
	95.0	12.50	9.60	14.80	10.90	17.00	11.90	18.00	12.20	18.60	12.20	19.90	12.20	21.20	11.30
	99.0	12.50	9.60	14.80	10.90	17.00	11.90	18.00	12.2						

2 Capacity table

Neo Forte(EEV)

Cooling

TC : Total Capacity, SHC : Sensible Heat Capacity

Model	Outdoor temperature (°F, DB)	Indoor temperature (°F, WB)													
		57.0		61.0		64.0		67.0		70.0		72.0		75.0	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
020	67.0	13.79	10.88	16.21	12.11	18.80	13.20	20.00	13.51	20.61	13.51	22.11	13.20	23.51	12.39
	70.0	13.79	10.88	16.21	12.11	18.80	13.20	20.00	13.51	20.61	13.51	22.11	13.20	23.51	12.39
	73.0	13.79	10.88	16.21	12.11	18.80	13.20	20.00	13.51	20.61	13.51	22.11	13.20	23.51	12.39
	77.0	13.79	10.88	16.21	12.11	18.80	13.20	20.00	13.51	20.61	13.51	22.11	13.20	23.51	12.39
	80.0	13.79	10.88	16.21	12.11	18.80	13.20	20.00	13.51	20.61	13.51	22.11	13.20	23.51	12.39
	84.0	13.79	10.88	16.21	12.11	18.80	13.20	20.00	13.51	20.61	13.51	22.11	13.20	23.51	12.39
	88.0	13.79	10.88	16.21	12.11	18.80	13.20	20.00	13.51	20.61	13.51	22.11	13.20	23.51	12.39
	92.0	13.79	10.88	16.21	12.11	18.80	13.20	20.00	13.51	20.61	13.51	22.11	13.20	23.51	12.39
	95.0	13.79	10.88	16.21	12.11	18.80	13.20	20.00	13.51	20.61	13.51	22.11	13.20	23.51	12.39
	99.0	13.79	10.88	16.21	12.11	18.80	13.20	20.00	13.51	20.61	13.51	22.11	13.20	23.20	12.11
	103.0	13.79	10.88	16.21	12.11	18.80	13.20	20.00	13.51	20.61	13.51	21.80	12.90	22.59	11.81
	107.0	13.79	10.88	16.21	12.11	18.80	13.20	19.42	13.20	19.69	12.90	20.61	12.39	21.50	11.19
	111.0	13.79	10.88	16.21	12.11	17.91	12.90	19.11	12.90	19.11	12.59	19.69	12.11	20.00	10.61
	115.0	13.79	10.88	16.21	12.11	17.91	12.90	19.11	12.90	19.11	12.59	19.69	12.11	20.00	10.61
024	118.0	13.79	10.88	16.21	12.11	17.91	12.90	19.11	12.90	19.11	12.59	19.69	12.11	20.00	10.61
	50.0	16.00	12.59	18.80	14.09	21.80	15.29	23.20	15.70	24.29	15.70	26.00	15.70	28.01	22.11
	54.0	16.00	12.59	18.80	14.09	21.80	15.29	23.20	15.70	24.29	15.70	26.00	15.70	27.60	21.60
	58.0	16.00	12.59	18.80	14.09	21.80	15.29	23.20	15.70	24.29	15.70	26.00	15.70	27.60	21.60
	60.0	16.00	12.59	18.80	14.09	21.80	15.29	23.20	15.70	24.29	15.70	26.00	15.70	27.60	21.60
	64.0	16.00	12.59	18.80	14.09	21.80	15.29	23.20	15.70	23.88	15.70	25.69	15.29	27.30	21.29
	67.0	16.00	12.59	18.80	14.09	21.80	15.29	23.20	15.70	23.88	15.70	25.69	15.29	27.30	21.29
	70.0	16.00	12.59	18.80	14.09	21.80	15.29	23.20	15.70	23.88	15.70	25.69	15.29	27.30	21.29
	73.0	16.00	12.59	18.80	14.09	21.80	15.29	23.20	15.70	23.88	15.70	25.69	15.29	27.30	21.29
	77.0	16.00	12.59	18.80	14.09	21.80	15.29	23.20	15.70	23.88	15.70	25.69	15.29	27.30	21.29
	80.0	16.00	12.59	18.80	14.09	21.80	15.29	23.20	15.70	23.88	15.70	25.69	15.29	27.30	21.29
	84.0	16.00	12.59	18.80	14.09	21.80	15.29	23.20	15.70	23.88	15.70	25.69	15.29	27.30	21.29
	88.0	16.00	12.59	18.80	14.09	21.80	15.29	23.20	15.70	23.88	15.70	25.69	15.29	27.30	21.29
	92.0	16.00	12.59	18.80	14.09	21.80	15.29	23.20	15.70	23.88	15.70	25.69	15.29	27.30	21.29
	95.0	16.00	12.59	18.80	14.09	21.80	15.29	23.20	15.70	23.88	15.70	25.69	15.29	27.30	21.29
	99.0	16.00	12.59	18.80	14.09	21.80	15.29	23.20	15.70	23.88	15.70	25.69	15.29	26.89	20.81
	103.0	16.00	12.59	18.80	14.09	21.80	15.29	23.20	15.70	23.88	15.70	25.28	15.01	26.21	20.30
	107.0	16.00	12.59	18.80	14.09	21.80	15.29	22.49	15.29	22.79	15.01	23.88	14.40	24.91	19.21
	111.0	16.00	12.59	18.80	14.09	20.81	15.01	22.21	15.01	22.21	14.60	22.79	14.09	23.20	18.19
	115.0	16.00	12.59	18.80	14.09	20.81	15.01	22.21	15.01	22.21	14.60	22.79	14.09	23.20	18.19
	118.0	16.00	12.59	18.80	14.09	20.81	15.01	22.21	15.01	22.21	14.60	22.79	14.09	23.20	18.19

2 Capacity table

Neo Forte(EEV)

Heating

TC : Total Capacity

Model	Outdoor temperature (°F)		Indoor temperature (°F, DB)				
			61.0	65.0	70.0	72.0	75.0
	DB	WB	TC	TC	TC	TC	TC
007	-3.6	-4.0	5.20	5.20	5.20	5.20	5.20
	-1.8	-2.0	5.30	5.30	5.30	5.30	5.20
	2.0	1.0	5.50	5.50	5.50	5.50	5.20
	6.0	5.0	5.70	5.70	5.50	5.50	5.20
	10.0	9.0	6.10	6.10	5.90	5.70	5.70
	13.0	12.0	6.30	6.30	6.30	6.30	6.10
	17.0	15.0	6.60	6.50	6.50	6.50	6.20
	19.0	18.0	6.90	6.60	6.60	6.60	6.30
	23.0	21.0	7.10	7.10	6.90	6.90	6.60
	26.0	24.0	7.70	7.40	7.30	7.10	6.90
	30.0	28.0	7.90	7.50	7.40	7.30	7.00
	35.0	32.0	7.90	7.70	7.50	7.40	7.10
	39.0	36.0	8.30	8.30	7.90	7.70	7.40
	44.0	40.0	8.70	8.50	8.30	7.90	7.40
	47.0	43.0	9.10	8.70	8.50	8.30	7.40
	51.0	47.0	9.30	9.10	8.50	8.30	7.40
	54.0	50.0	9.60	9.10	8.50	8.30	7.40
	57.0	53.0	9.90	9.30	8.50	8.30	7.40
	60.0	56.0	10.10	9.30	8.50	8.30	7.40
009	-3.6	-4.0	6.40	6.40	6.40	6.40	6.40
	-1.8	-2.0	6.60	6.60	6.60	6.60	6.40
	2.0	1.0	6.80	6.80	6.80	6.80	6.40
	6.0	5.0	7.10	7.10	6.80	6.80	6.40
	10.0	9.0	7.50	7.50	7.30	7.10	7.10
	13.0	12.0	7.80	7.80	7.80	7.80	7.50
	17.0	15.0	8.10	8.00	8.00	8.00	7.60
	19.0	18.0	8.50	8.10	8.10	8.10	7.80
	23.0	21.0	8.80	8.80	8.50	8.50	8.10
	26.0	24.0	9.50	9.10	9.00	8.80	8.50
	30.0	28.0	9.70	9.30	9.10	9.00	8.60
	35.0	32.0	9.80	9.50	9.30	9.10	8.80
	39.0	36.0	10.20	10.20	9.70	9.50	9.10
	44.0	40.0	10.80	10.50	10.20	9.80	9.10
	47.0	43.0	11.20	10.80	10.50	10.20	9.10
	51.0	47.0	11.50	11.20	10.50	10.20	9.10
	54.0	50.0	11.90	11.20	10.50	10.20	9.10
	57.0	53.0	12.20	11.50	10.50	10.20	9.10
	60.0	56.0	12.50	11.50	10.50	10.20	9.10
012	-3.6	-4.0	8.39	8.39	8.09	8.09	8.09
	-1.8	-2.0	8.80	8.60	8.19	8.19	8.09
	2.0	1.0	9.11	8.80	8.39	8.39	8.09
	6.0	5.0	9.49	9.11	8.80	8.80	8.39
	10.0	9.0	9.79	9.49	9.32	9.11	9.11
	13.0	12.0	10.20	10.20	10.00	9.79	9.79
	17.0	15.0	10.51	10.51	10.30	10.20	10.00
	19.0	18.0	10.88	10.88	10.51	10.51	10.20
	23.0	21.0	11.60	11.19	10.99	10.88	10.51
	26.0	24.0	11.91	11.91	11.40	11.19	10.88
	30.0	28.0	12.28	12.28	11.70	11.60	10.99
	35.0	32.0	12.59	12.59	12.11	11.91	11.19
	39.0	36.0	13.31	13.00	12.59	12.28	11.91
	44.0	40.0	13.72	13.72	13.00	12.59	11.91
	47.0	43.0	14.40	14.40	13.50	13.00	11.91
	51.0	47.0	14.71	14.40	13.51	13.00	11.91
	54.0	50.0	15.39	14.71	13.51	13.00	11.91
	57.0	53.0	15.80	14.71	13.51	13.00	11.91
	60.0	56.0	16.11	15.12	13.51	13.00	11.91
018	-3.6	-4.0	12.90	12.60	12.40	12.20	12.20
	-1.8	-2.0	13.10	12.90	12.60	12.40	12.40
	2.0	1.0	13.20	13.20	12.70	12.60	12.60
	6.0	5.0	13.90	13.60	13.10	12.90	12.60
	10.0	9.0	14.50	14.20	13.90	13.90	13.60
	13.0	12.0	15.20	15.20	14.70	14.50	14.50
	17.0	15.0	15.70	15.50	15.20	15.00	14.70
	19.0	18.0	16.20	15.90	15.70	15.50	14.90
	23.0	21.0	17.20	16.90	16.40	16.20	15.50
	26.0	24.0	17.90	17.50	17.20	16.90	16.20
	30.0	28.0	18.30	18.00	17.50	17.20	16.40
	35.0	32.0	18.80	18.50	17.90	17.50	16.50
	39.0	36.0	19.50	19.50	18.80	18.50	17.50
	44.0	40.0	20.50	20.20	19.30	18.80	17.50
	47.0	43.0	21.50	21.20	20.00	19.20	17.50
	51.0	47.0	22.10	21.50	20.00	19.20	17.50
	54.0	50.0	22.80	21.80	20.00	19.20	17.50
	57.0	53.0	23.50	22.10	20.00	19.20	17.50
	60.0	56.0	24.10	22.50	20.00	19.20	17.50
020	-3.6	-4.0	15.01	14.71	14.30	14.30	14.30
	-1.8	-2.0	15.18	14.81	14.50	14.50	14.30
	2.0	1.0	15.29	15.01	14.71	14.71	14.30
	6.0	5.0	16.00	15.70	14.81	14.71	14.30
	10.0	9.0	16.69	16.41	15.80	15.70	15.29
	13.0	12.0	17.40	17.40	16.89	16.69	16.69
	17.0	15.0	17.91	17.91	17.40	17.20	16.99
	19.0	18.0	18.39	18.39	17.91	17.71	17.40
	23.0	21.0	19.42	19.11	18.70	18.39	17.71

2 Capacity table

Neo Forte(EEV)

Heating

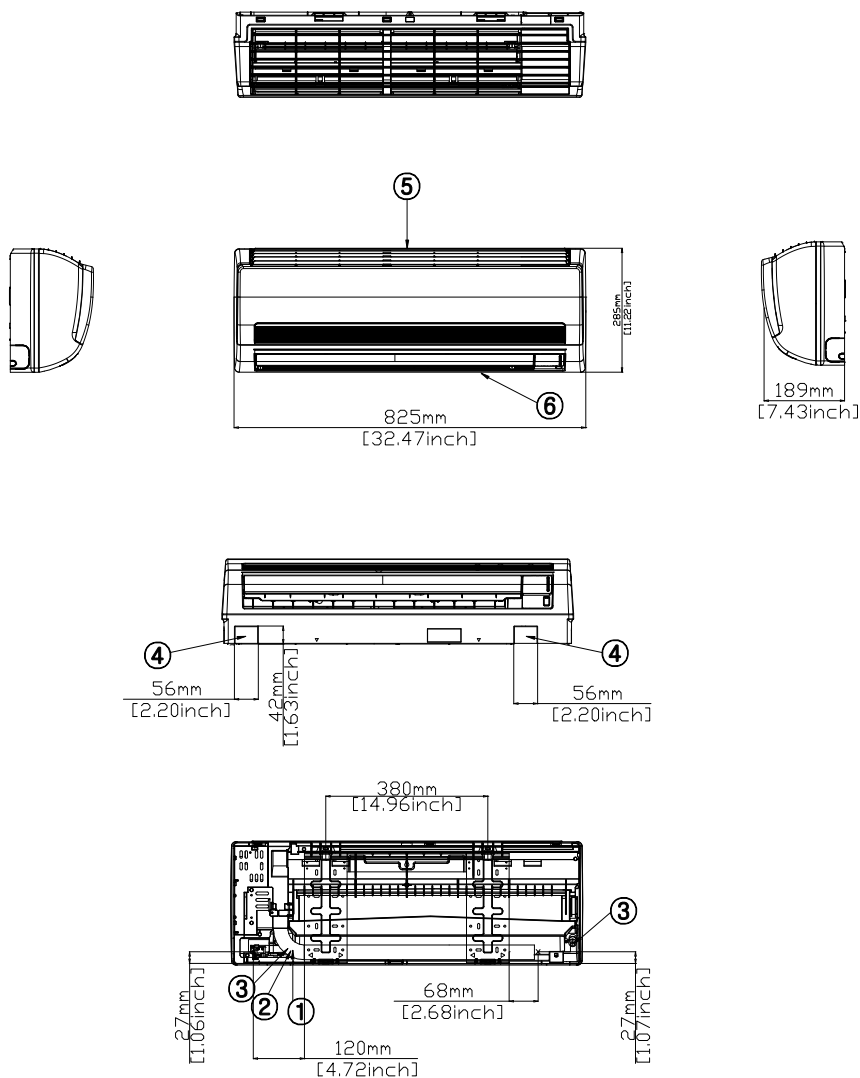
TC : Total Capacity

Model	Outdoor temperature (°F)		Indoor temperature (°F, DB)				
			61.0	65.0	70.0	72.0	75.0
	DB	WB	TC	TC	TC	TC	TC
020	26.0	24.0	20.40	20.10	19.59	19.11	18.39
	30.0	28.0	20.98	20.61	20.00	19.59	18.70
	35.0	32.0	21.50	21.09	20.40	20.10	19.11
	39.0	36.0	22.49	22.11	21.50	21.09	20.10
	44.0	40.0	23.51	23.20	22.11	21.50	20.10
	47.0	43.0	24.50	24.19	23.00	22.11	20.10
	51.0	47.0	25.22	24.50	23.00	22.11	20.10
	54.0	50.0	25.90	24.91	23.00	22.11	20.10
	57.0	53.0	26.89	25.22	23.00	22.11	20.10
	60.0	56.0	27.60	25.59	23.00	22.11	20.10
024	-3.6	-4.0	15.49	15.18	14.81	14.81	14.81
	-1.8	-2.0	15.70	15.29	15.01	15.01	14.81
	2.0	1.0	15.80	15.49	15.18	15.18	14.81
	6.0	5.0	16.58	16.21	15.29	15.18	14.81
	10.0	9.0	17.30	16.99	16.31	16.21	15.80
	13.0	12.0	18.02	18.02	17.50	17.30	17.30
	17.0	15.0	18.49	18.49	18.02	17.81	17.61
	19.0	18.0	19.01	19.01	18.49	18.29	18.02
	23.0	21.0	20.10	19.79	19.42	19.01	18.29
	26.0	24.0	21.09	20.81	20.30	19.79	19.01
	30.0	28.0	21.70	21.29	20.71	20.30	19.42
	35.0	32.0	22.21	21.80	21.09	20.81	19.79
	39.0	36.0	23.30	22.90	22.21	21.80	20.81
	44.0	40.0	24.29	23.99	22.90	22.21	20.81
	47.0	43.0	25.39	25.01	23.80	22.90	20.81
	51.0	47.0	26.10	25.39	23.82	22.90	20.81
	54.0	50.0	26.79	25.80	23.82	22.90	20.81
	57.0	53.0	27.81	26.10	23.82	22.90	20.81
	60.0	56.0	28.59	26.51	23.82	22.90	20.81

3 Dimensional drawing

Neo Forte(EEV)

AM007HNQDCH/AA, AM009HNQDCH/AA, AM012HNQDCH/AA

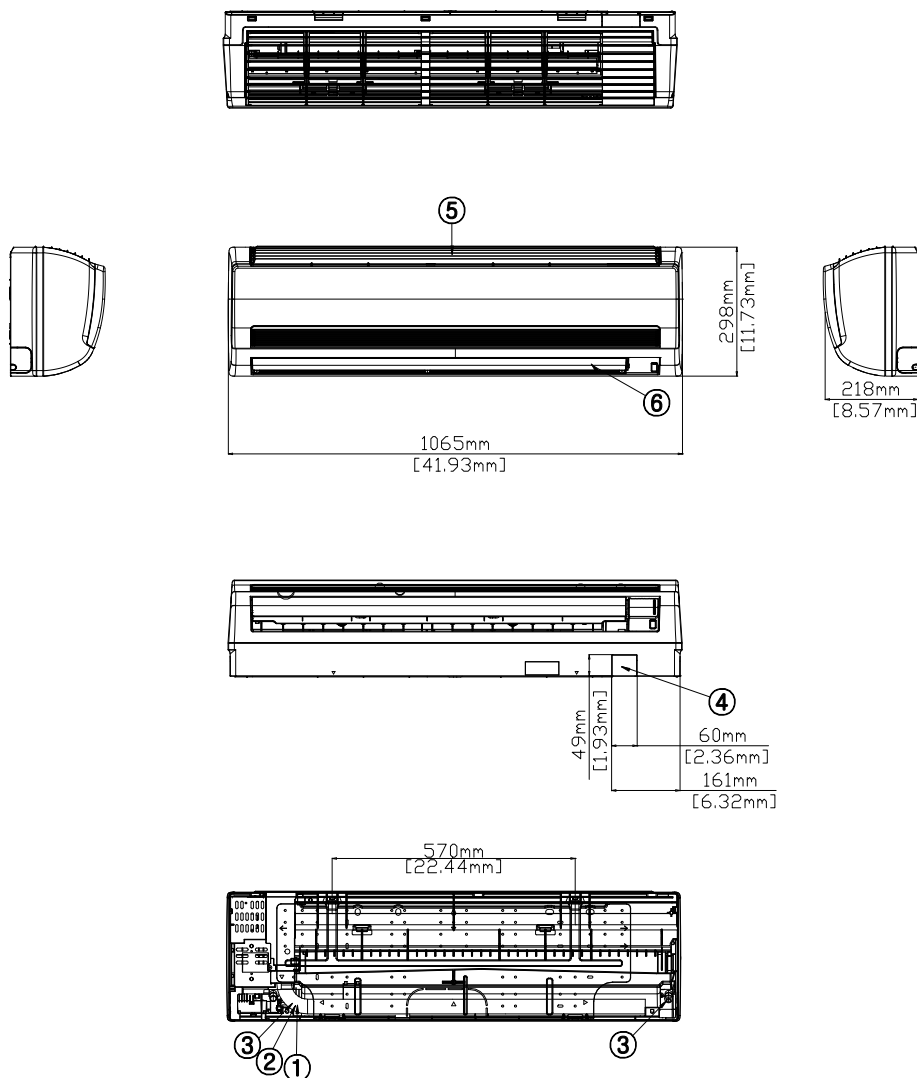


No.	Name
①	Liquid Ref. Pipe
②	Gas Ref. Pipe
③	Drain Pipe Connection
④	Conduit for power supply & Communication wiring
⑤	Air inlet grille
⑥	Air outlet louver

3 Dimensional drawing

Neo Forte(EEV)

AM018HNQDCH/AA, AM020HNQDCH/AA, AM024HNQDCH/AA

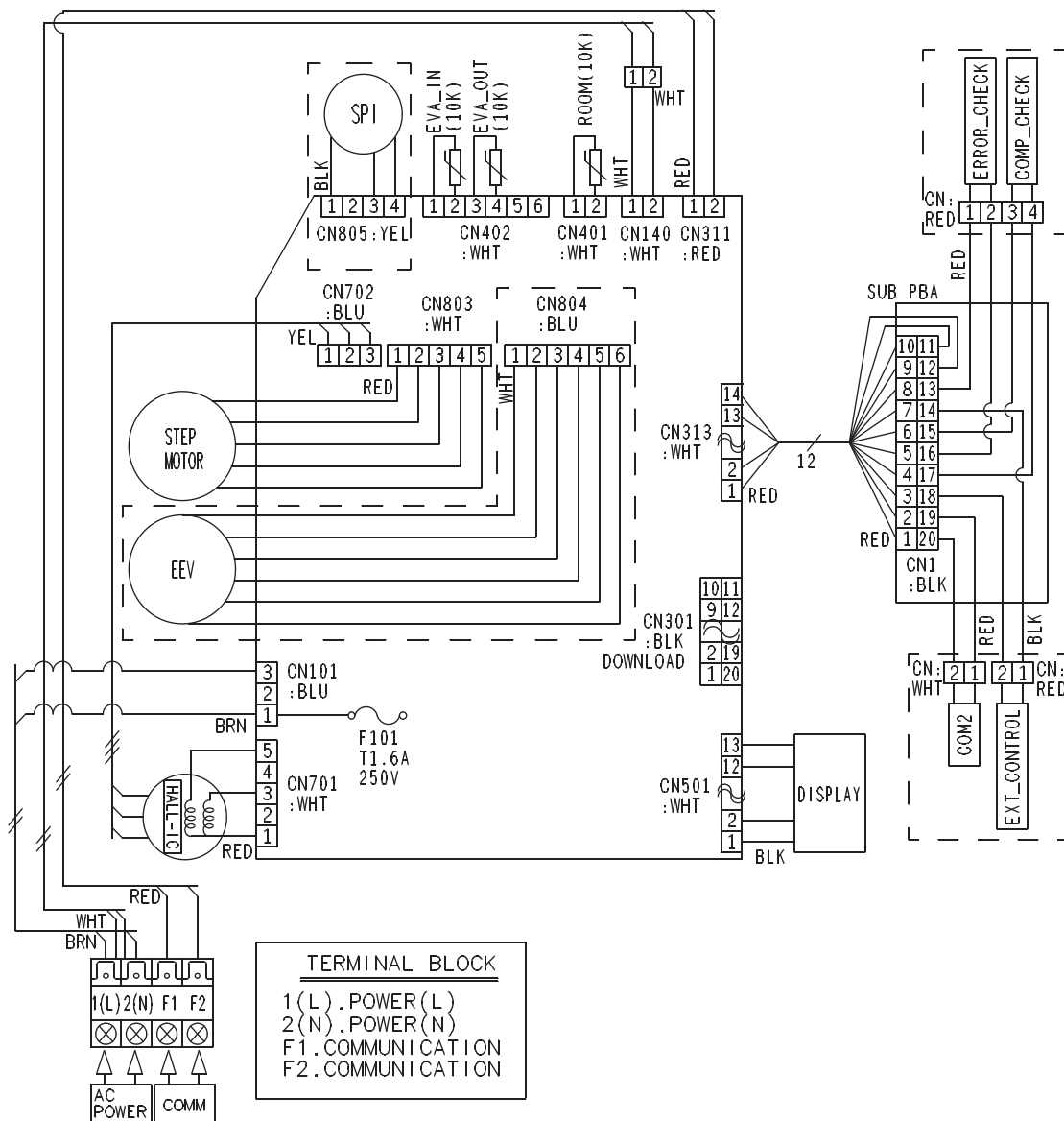


No.	Name
①	Liquid Ref. Pipe
②	Gas Ref. Pipe
③	Drain Pipe Connection
④	Conduit for power supply & Communication wiring
⑤	Air inlet grille
⑥	Air outlet louver

4 Electrical wiring diagram

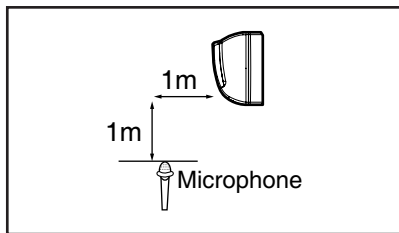
Neo Forte(EEV)

AM007HNQDCH/AA, AM009HNQDCH/AA, AM012HNQDCH/AA, AM018HNQDCH/AA, AM020HNQDCH/AA, AM024HNQDCH/AA



5 Sound pressure level

Neo Forte(EEV)



Unit: dB(A)

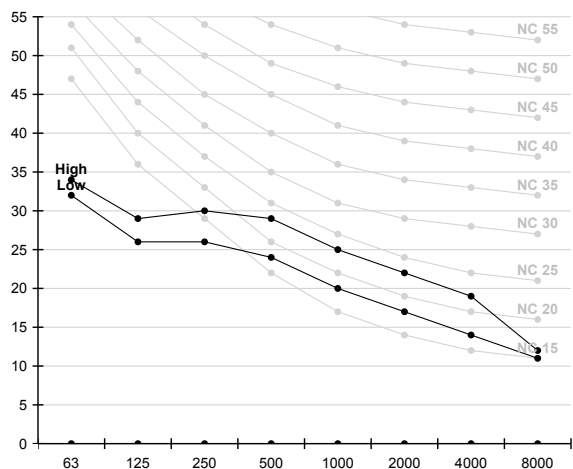
Model	High	Low
AM007HNQDCH/AA	31.0	26.0
AM009HNQDCH/AA	31.0	26.0
AM012HNQDCH/AA	37.0	29.0
AM018HNQDCH/AA	39.0	34.0

Note

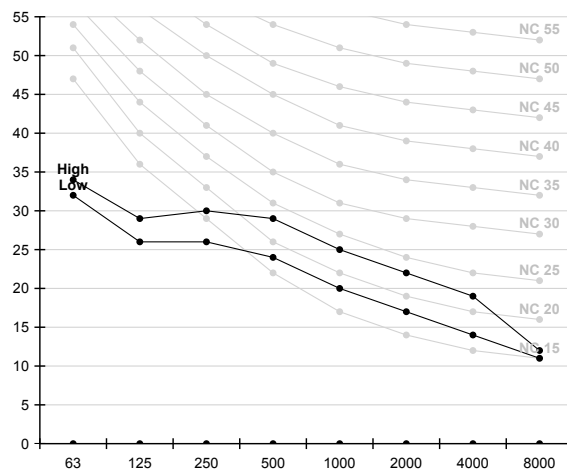
- These operation values were obtained in an anechoic room. Sound pressure level will vary depending on a factors such as the construction of the particular room where the equipment is installed.
- Operation sound level may differ depending on operation and ambient conditions.

NC curve

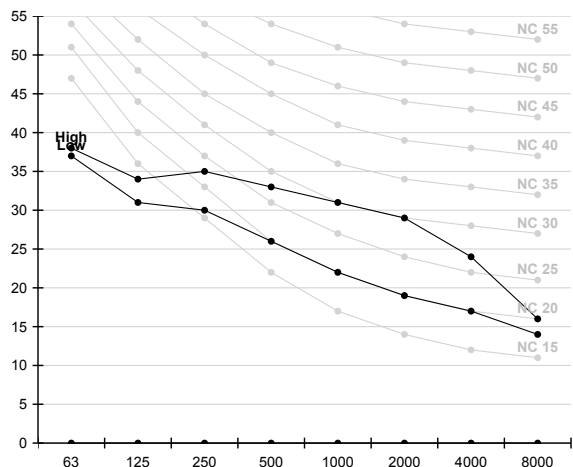
1) AM007HNQDCH/AA



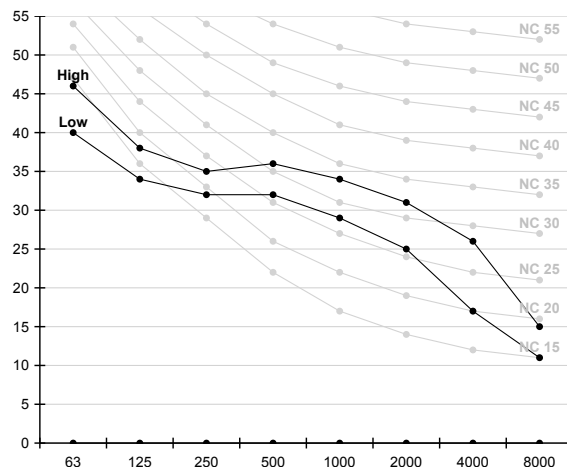
2) AM009HNQDCH/AA



3) AM012HNQDCH/AA

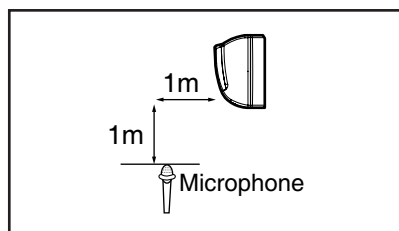


4) AM018HNQDCH/AA



5 Sound pressure level

Neo Forte(EEV)



Unit: dB(A)

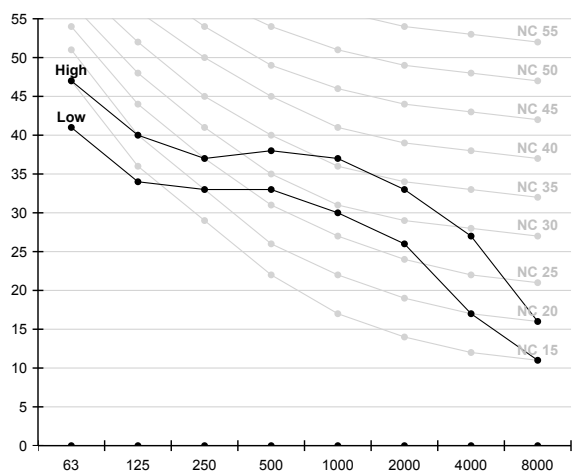
Model	High	Low
AM020HNQDCH/AA	42.0	35.0
AM024HNQDCH/AA	45.0	35.0

Note

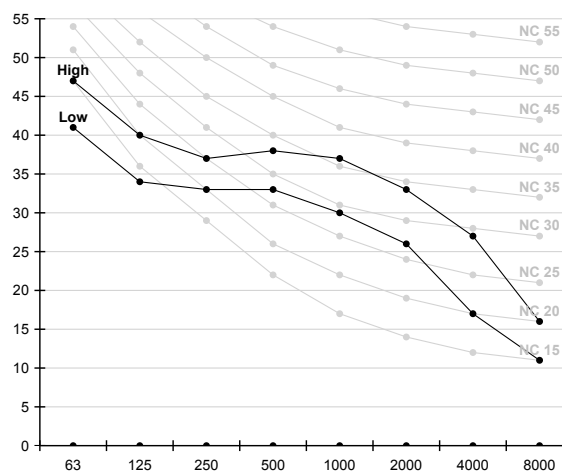
- These operation values were obtained in an anechoic room. Sound pressure level will vary depending on a factors such as the construction of the particular room where the equipment is installed.
- Operation sound level may differ depending on operation and ambient conditions.

NC curve

1) AM020HNQDCH/AA



2) AM024HNQDCH/AA



2014.07

The Samsung logo, consisting of the word "SAMSUNG" in a bold, sans-serif font, is enclosed within a white oval shape.

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B2B PM / SE

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