



DVM

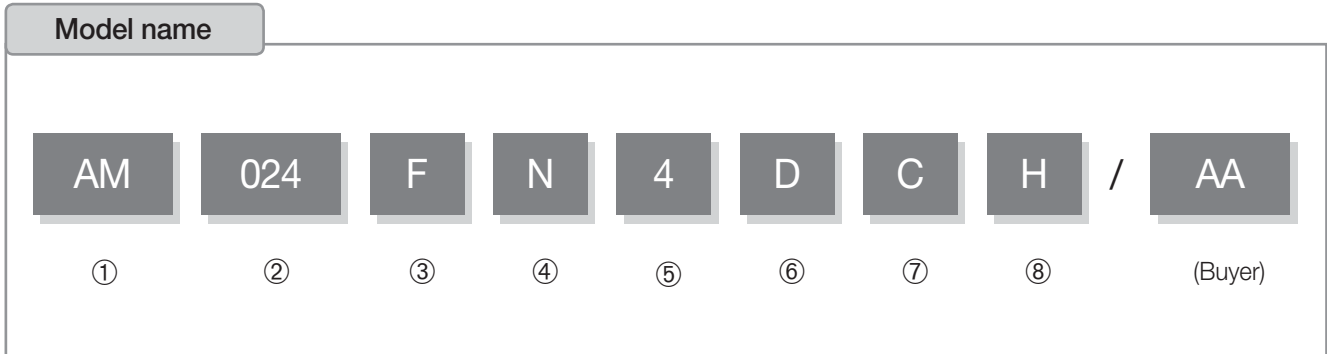
Technical Data Book

DVM S Indoor Units

SAMSUNG

1 Nomenclature

1-1. Nomenclature



① Classification

AM	DVM
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② Capacity

kBtu/h (3digits)

③ Version

E	2012
F	2013
G	2014

④ Product Type

X	Outdoor Unit
N	Indoor Unit

⑤ Product Notation

1	1 way cassette
2	2 way cassette
N	4 way cassette (interior)
4	4 way cassette
L	LSP Duct (Slim Duct)
M	MSP Duct
H	HSP Duct
C	Ceiling
J	Console
F	Floor Standing
T	NEO FORTE
Q	NEO FORTE (EEV)
B	HYDRO UNIT (Floor Standing)
K	FLAT(CEILING TYPE) VTL

⑥ Feature

D	DELUXE
F	FLAGSHIP
G (EHS)	CASCADE (EEV)

⑦ Rating Voltage

C	1Ø, 208~230V, 60Hz
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⑧ Mode

H	Heat Pump (R410a)
R	Heat Recovery (R410a)

7 Ceiling

7-1. Specifications

1) Technical specifications

Model				AM018FNCDCH/AA	AM024FNCDCH/AA
Power Supply		Ø, V, Hz		1,208-230,60	1,208-230,60
Mode				HP/HR	HP/HR
Performance	Capacity (Nominal)	Cooling ^{*1)}	Btu/h	18,000	24,000
			US RT	1.50	2.00
		Heating ^{*1)}	Btu/h	20,000	27,000
			US RT	1.67	2.25
Power	Power Input (Nominal)	Cooling ^{*1)}	W	72.00	80.00
				Heating ^{*1)}	72.00
	Current Input (Nominal)	Cooling ^{*1)}	A	0.42	0.48
				Heating ^{*1)}	0.42
Fan	Motor	Type	-	Sirocco Fan	Sirocco Fan
		Output x n	W	25 x 1	35 x 1
	Air Flow Rate	H/M/L (UL)	CFM	494.42/459.11/423.79	635.69/582.71/529.74
	External Pressure	Min / Std / Max	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		ID 18 HOSE	ID 18 HOSE	
Refrigerant	Type		-	R410A	R410A
	Control Method		-	EEV NOT INCLUDED	EEV NOT INCLUDED
Sound	Sound Pressure ^{*2)}	High / Mid / Low	dBA	40.0/37.0/34.0	44.0/42.0/40.0
Dimensions	Net Weight	kg		21.00	21.00
		lbs		46.30	46.30
	Shipping Weight	kg		25.50	25.50
		lbs		56.22	56.22
	Net Dimensions (W×H×D)	mm		1000 x 650 x 200	1000 x 650 x 200
		inch		39.37 x 25.59 x 7.87	39.37 x 25.59 x 7.87
	Shipping Dimensions (W×H×D)	mm		1080 x 730 x 300	1080 x 730 x 300
		inch		42.52 x 28.74 x 11.81	42.52 x 28.74 x 11.81
Panel Size	Panel model		model name	-	-
	Panel Net Weight	kg		-	-
		lbs		-	-
	Shipping Weight	kg		-	-
		lbs		-	-
	Net Dimensions (W×H×D)	mm		-	-
		inch		-	-
	Shipping Dimensions (W×H×D)	mm		-	-
inch		-	-		
Additional Accessories	Drain pump	Drain pump	model name	-	-
		Max. lifting Height / Displacement	mm/liter/h	-	-
	Air Filter		-	Long life filter	Long life filter

1) Nominal Capacity are based on (Equivalent 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

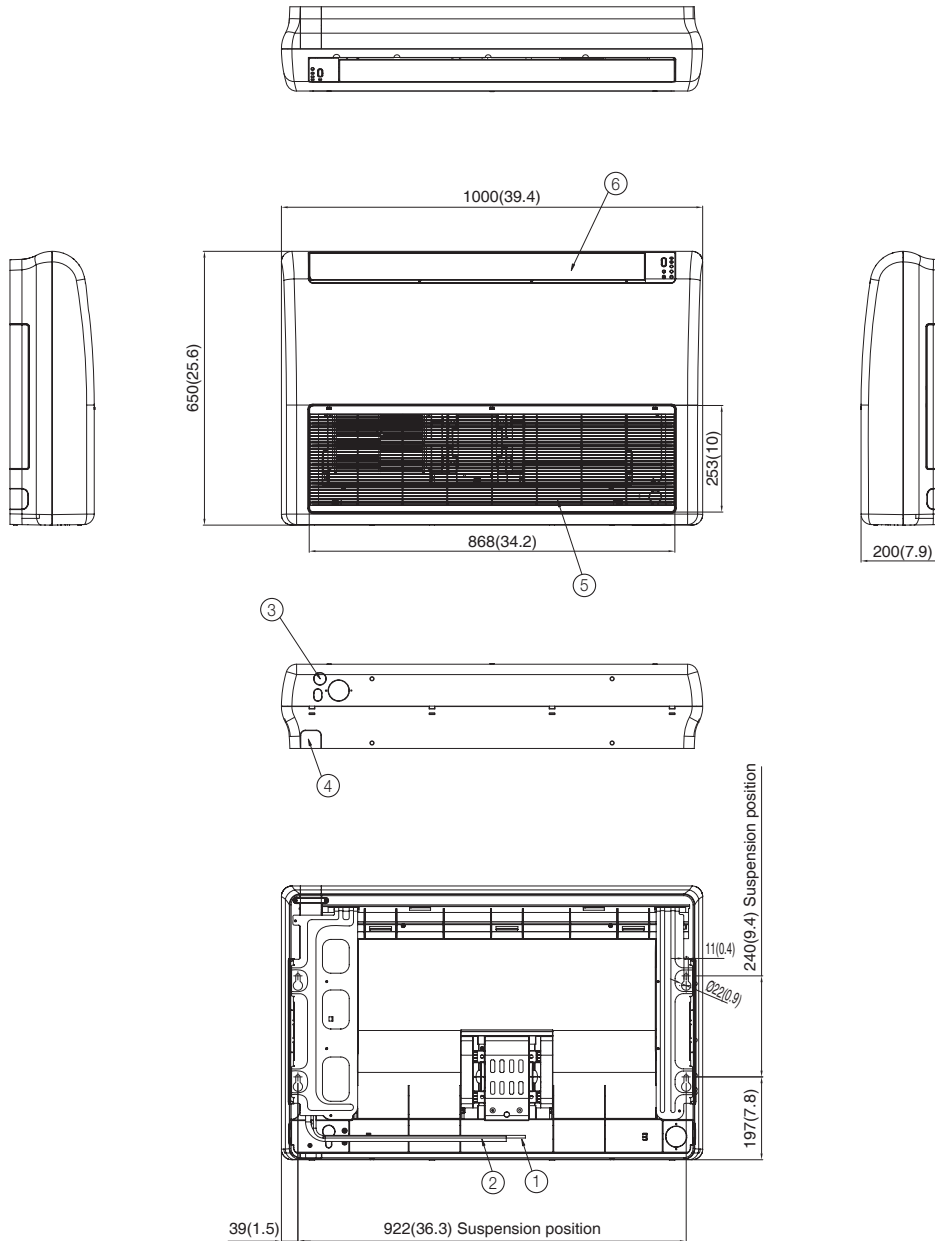
2) Sound pressure was acquired in a dead room. Thus actual noise level may be different depending on the installation conditions.

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

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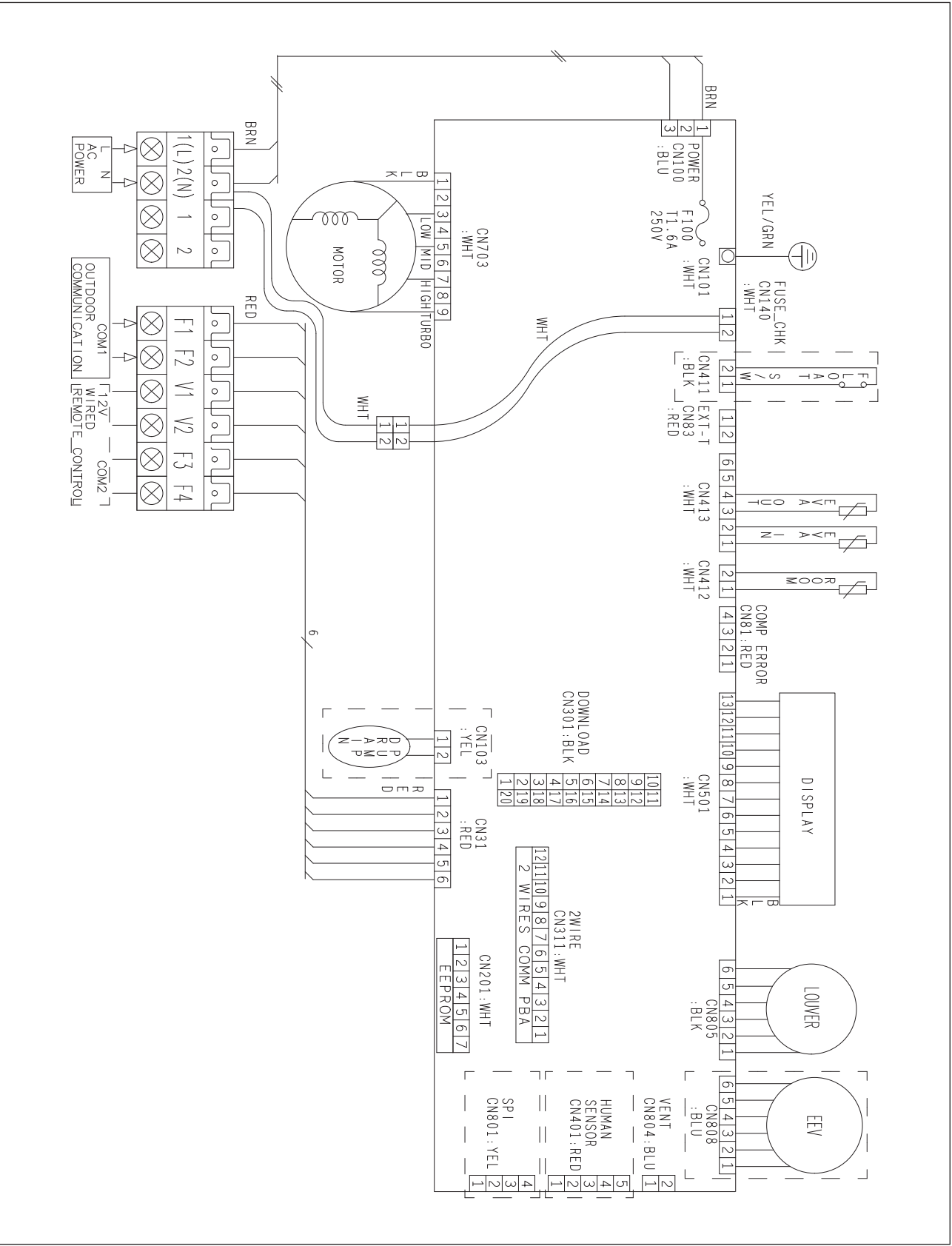
7-3. Dimensional drawing

Unit: mm(inch)



No.	Name	Description	
		18.0 MBH	24.0 MBH
①	Liquid pipe connection	Ø6.35(1/4") Flare	Ø9.52(3/8") Flare
②	Gas pipe connection	Ø12.70(1/2") Flare	Ø15.88(5/8") Flare
③	Drain pipe connection	ID18 Hose/ID11/16" Hose	
④	Conduit for power supply & communication wiring	-	
⑤	Air inlet grille	-	
⑥	Air outlet louver	-	

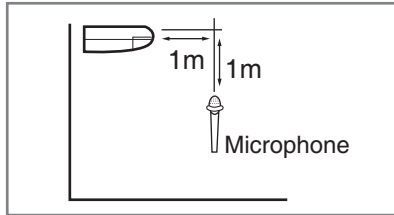
7-4. Electrical wiring diagram



7 Ceiling

7-5. Sound pressure level

1) Operation sound level



Unit : dB(A)

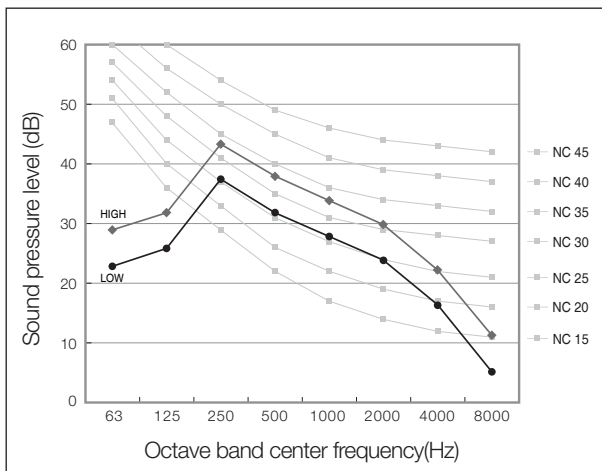
Model	High	Low
AM018FNCDCH/AA	40	34
AM024FNCDCH/AA	44	40

☑ Note

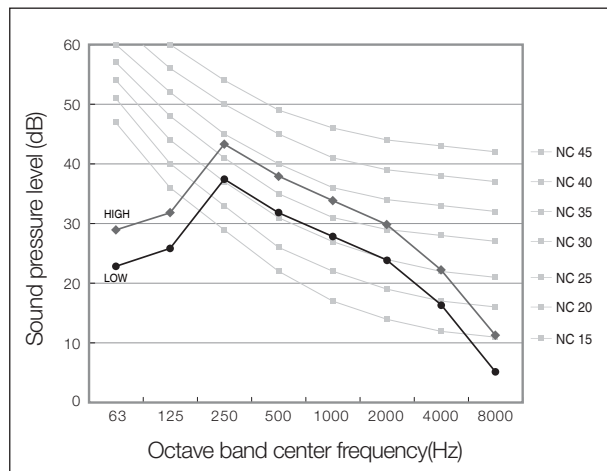
- ◆ These operation values were obtained in an anechoic room. Sound pressure level will vary depending on a range of factors such as the construction of the particular room where the equipment is installed.
- ◆ Operation sound level may differ depending on operation and ambient conditions.

2) NC curves

(1) AM018FNCDCH/AA



(2) AM024FNCDCH/AA



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