



# DVM

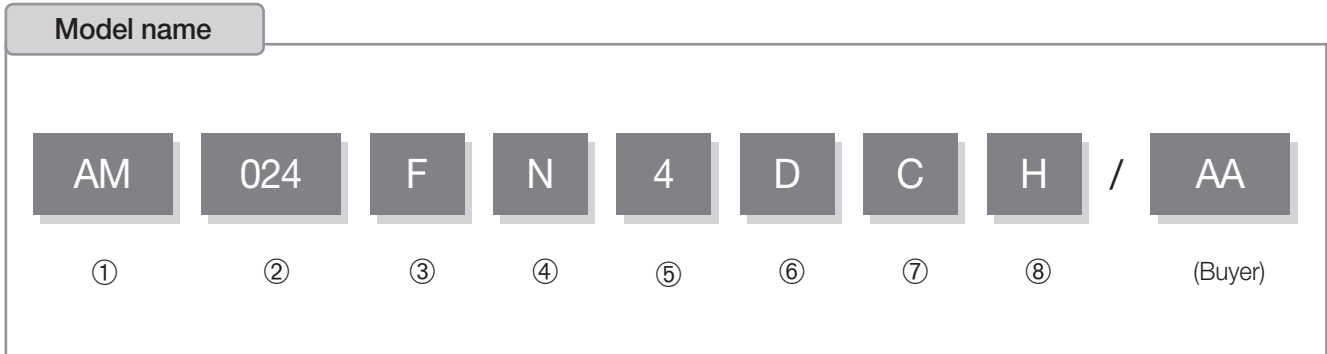
## Technical Data Book

DVM S Indoor Units

**SAMSUNG**

# 1 Nomenclature

## 1-1. Nomenclature



### ① Classification

AM	DVM
----	-----

### 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
---	--------------------

### ⑧ Mode

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

# 6 HSP(High static pressure) duct

## 6-1. Specifications

### 1) Technical specifications

Model			AM036FNHDCH/AA	AM048FNHDCH/AA	AM076FNHDCH/AA	AM096FNHDCH/AA	
Power Supply		Ø, V, Hz	1,208-230,60	1,208-230,60	1,208-230,60	1,208-230,60	
Mode		-	HP/HR	HP/HR	HP/HR	HP/HR	
Performance	Capacity (Nominal)	Cooling <sup>*1)</sup>	Btu/h	36,000	48,000	76,800	96,000
			US RT	3.00	4.00	6.40	8.00
		Heating <sup>*1)</sup>	Btu/h	40,000	54,000	85,200	108,000
			US RT	3.33	4.50	7.10	9.00
Power	Power Input (Nominal)	Cooling <sup>*1)</sup>	W	210.00	330.00	530.00	790.00
			Heating <sup>*1)</sup>	210.00	330.00	530.00	790.00
	Current Input (Nominal)	Cooling <sup>*1)</sup>	A	1.47	2.38	3.80	5.90
			Heating <sup>*1)</sup>	1.47	2.38	3.80	5.90
Fan	Motor	Type	-	Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan
		Output x n	W	183 x 2	183 x 2	400 x 1	400 x 1
	Air Flow Rate	H/M/L (UL)	CFM	988.85/882.90/776.95	1,377.32/1,183.09/988.85	2,048.33/1,836.43/1,659.85	2,542.75/2,295.54/2,048.33
	External Pressure	Min / Std / Max	Pa	49.03/98.07/196.13	49.03/98.07/196.13	49.03/147.10/245.17	49.03/147.10/274.59
in. Wg			0.20/0.39/0.79	0.20/0.39/0.79	0.20/0.59/0.98	0.20/0.59/1.10	
Piping Connections	Liquid Pipe		Ø, mm	9.52	9.52	9.52	9.52
			Ø, inch	3/8	3/8	3/8	3/8
	Gas Pipe		Ø, mm	15.88	15.88	19.05	22.22
			Ø, inch	5/8	5/8	3/4	7/8
Drain Pipe		Ø, mm	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	
Refrigerant	Type	-	R410A	R410A	R410A	R410A	
	Control Method	-	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	
Sound	Sound Pressure <sup>*2)</sup>	High / Mid / Low	dB(A)	40.0/39.0/37.0	44.0/42.0/40.0	45.0/43.0/41.0	48.0/46.0/43.0
Dimensions	Net Weight		kg	62.00	62.00	89.00	89.00
			lbs	136.69	136.69	196.21	196.21
	Shipping Weight		kg	70.00	70.00	99.00	99.00
			lbs	154.32	154.32	218.26	218.26
	Net Dimensions (WxHxD)		mm	1200 x 360 x 650	1200 x 360 x 650	1240 x 470 x 1040	1240 x 470 x 1040
			inch	47.24 x 14.17 x 25.59	47.24 x 14.17 x 25.59	48.82 x 18.50 x 40.94	48.82 x 18.50 x 40.94
Shipping Dimensions (WxHxD)		mm	1480 x 420 x 790	1480 x 420 x 790	1507 x 558 x 1155	1507 x 558 x 1155	
		inch	58.27 x 16.54 x 31.10	58.27 x 16.54 x 31.10	59.33 x 21.97 x 45.47	59.33 x 21.97 x 45.47	
Panel Size	Panel model	model name	-	-	-	-	
			kg	-	-	-	-
	Panel Net Weight		lbs	-	-	-	-
			kg	-	-	-	-
	Shipping Weight		lbs	-	-	-	-
			kg	-	-	-	-
Net Dimensions (WxHxD)		mm	-	-	-	-	
		inch	-	-	-	-	
Shipping Dimensions (WxHxD)		mm	-	-	-	-	
		inch	-	-	-	-	
Additional Accessories	Drain pump	Drain pump	model name	MDP-M075SGU2D	MDP-M075SGU2D	MDP-N047SNC1D	MDP-N047SNC1D
		Max. lifting Height / Displacement	mm/liter/h	750 / 24	750 / 24	750 / 24	750 / 24
	Air Filter		-	Long life filter	Long life 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.

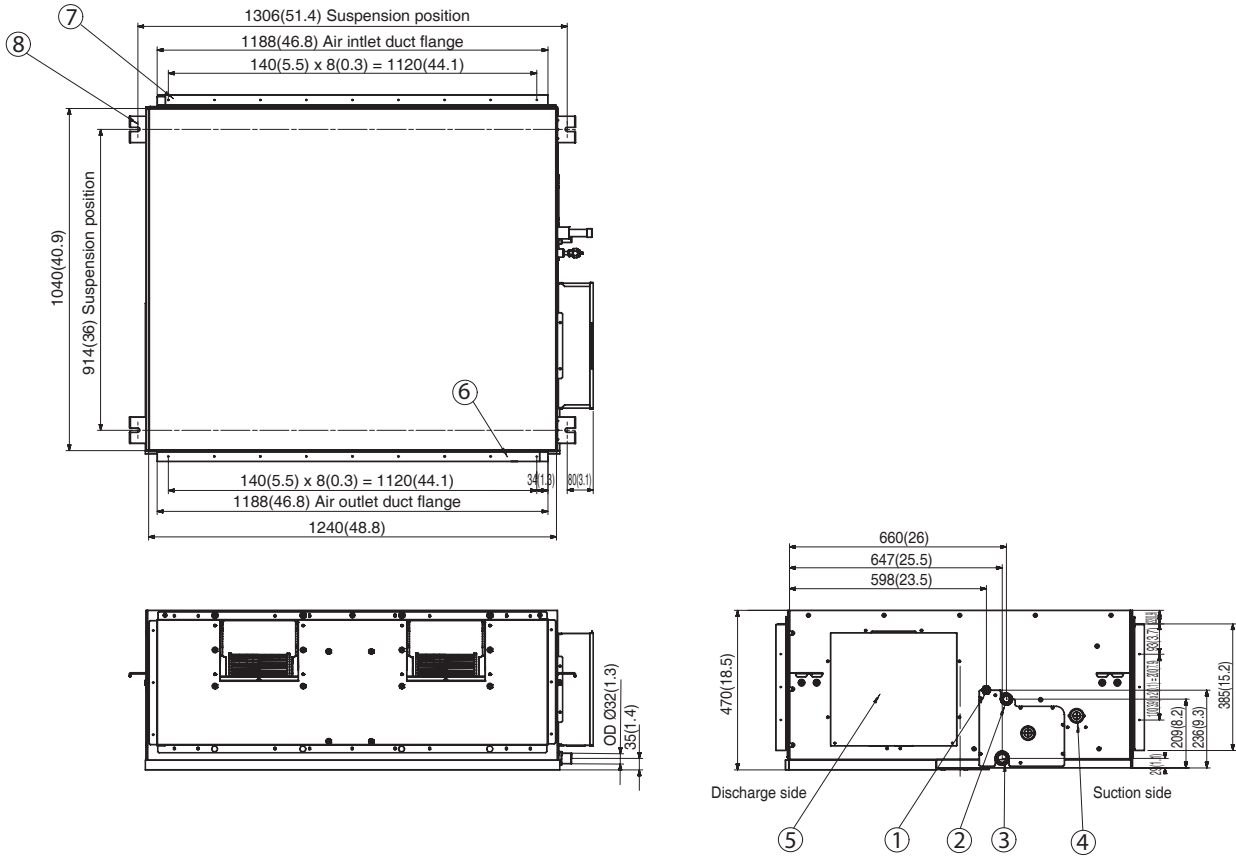
3) Specifications are subject to change without prior notice for product improvement.

# 6 HSP(High static pressure) duct

## 6-3. Dimensional drawing

2) AM076/096FNHDCH\*\*\*

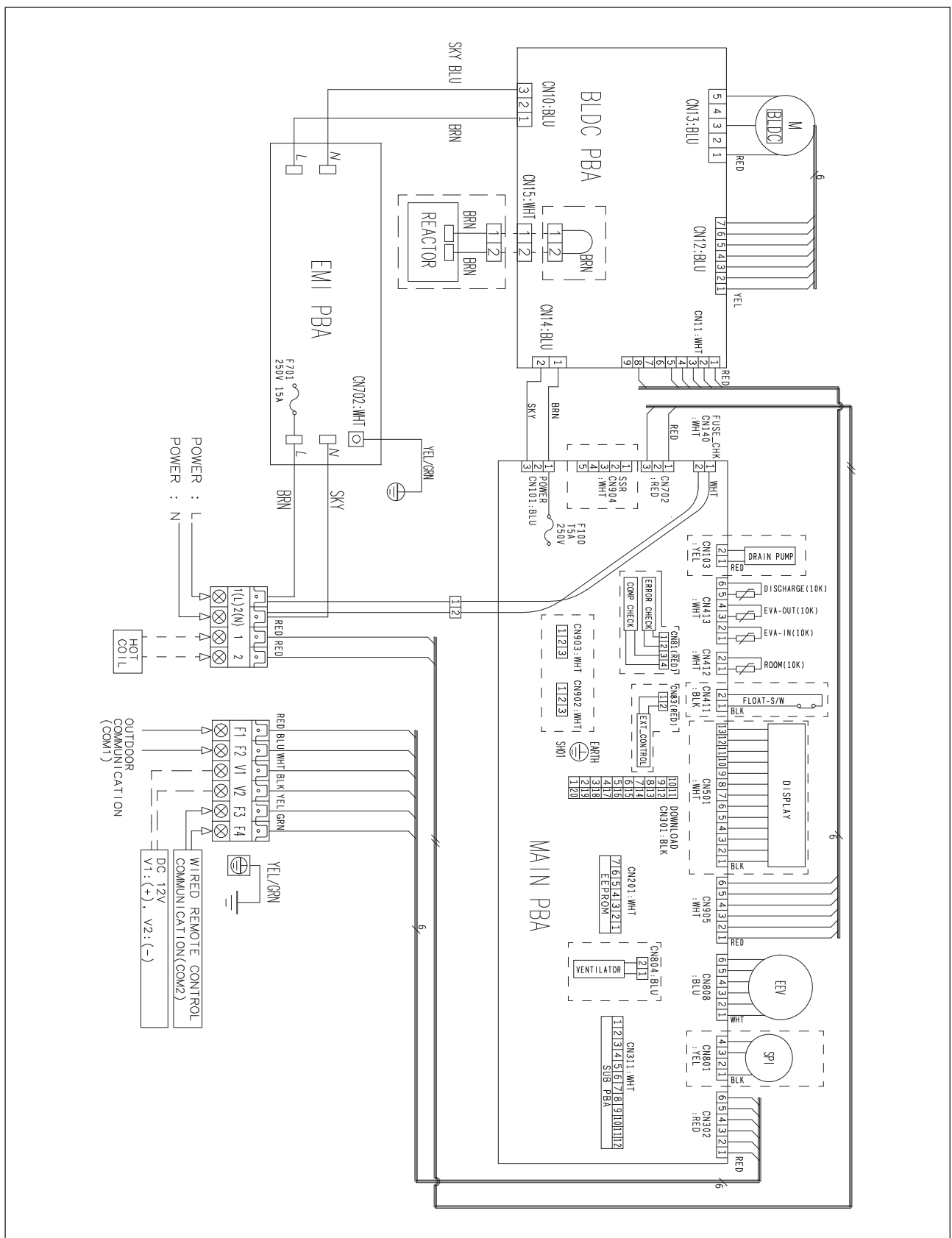
Unit : mm(inch)



No.	Name	Description
①	Liquid pipe connection	Ø9.52 (3/8")
②	Gas pipe connection	76.0 MBH : Ø19.05 (3/4") 96.0 MBH : Ø22.22 (7/8")
③	Drain pipe connection without optional drain pump kits	VP25 (OD 32, ID 25)
④	Drain pipe connection with optional drain pump kits	VP25 (OD 32, ID 25)
⑤	Power supply/Communication connection	
⑥	Air discharge grille flange	
⑦	Suction flange	
⑧	Hook	3/8" or M10

### 6-4. Electrical wiring diagram

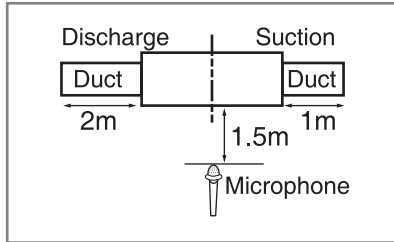
1) AM076/096FNHDCH\*\*\*



# 6 HSP(High static pressure) duct

## 6-5. Sound pressure level

### 1) Operation sound level



Unit : dB(A)

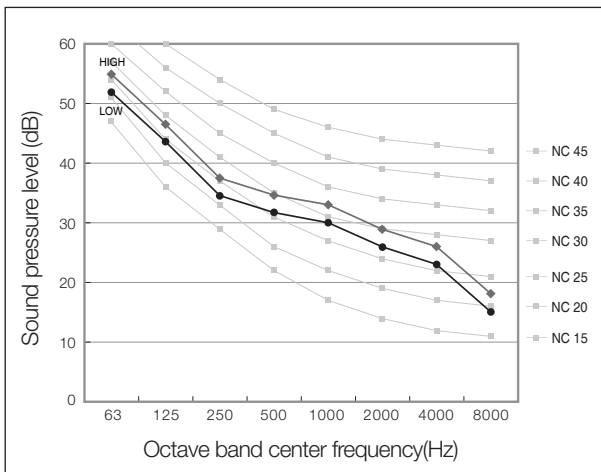
Model	High	Low
AM036FNHDCH/AA	40	37
AM048FNHDCH/AA	44	40
AM076FNHDCH/AA	45	41
AM096FNHDCH/AA	48	43

#### ☑ Note

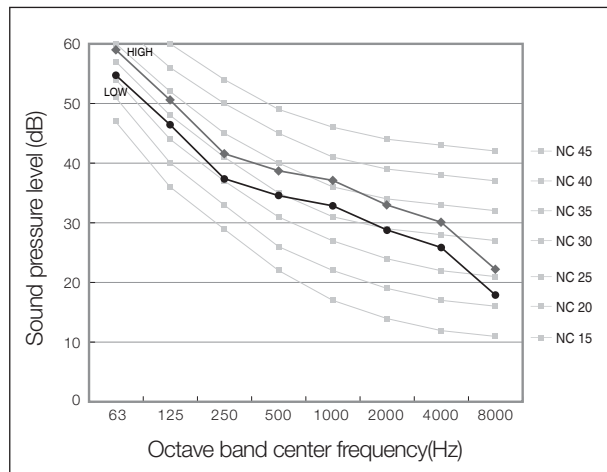
- ◆ These operation values were obtained in an anechoic room. Sound pressure level will vary depending on a range of factors such as the construction of the particular room where the equipment is installed.
- ◆ Operation sound level may differ depending on operation and ambient conditions.

### 2) NC curves

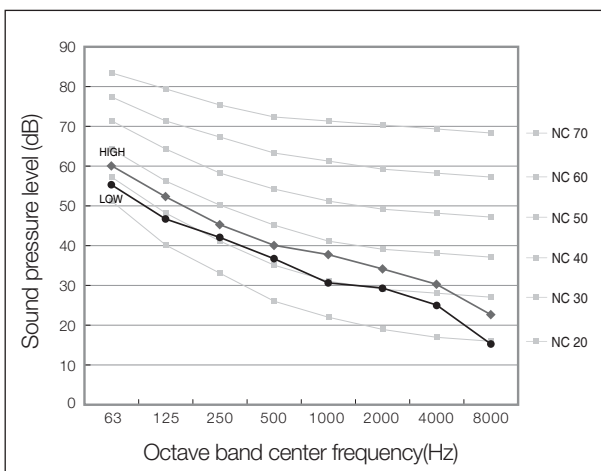
(1) AM036FNHDCH/AA



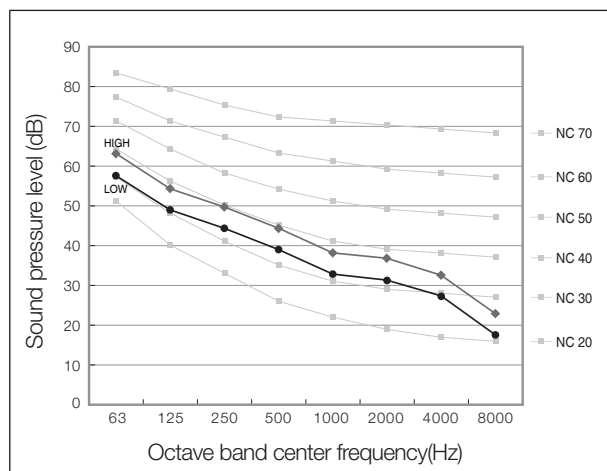
(2) AM048FNHDCH/AA



(3) AM076FNHDCH/AA



(4) AM096FNHDCH/AA



**SAMSUNG**

2017.04  
DBNA-13024H(A)

**SAMSUNG**

**Samsung Electronics Co., LTD.**  
**Airconditioner Marketing Group/SE**

Head Office (Suwon Korea) 416, Maetan-3Dong, Yeongtong-Gu, Suwon City, Gyeonggi-Do, Korea 443-742  
TEL : 82-31-200-4549 Website : [www.dvmsystem.com](http://www.dvmsystem.com) Email: [airconditioner@samsung.com](mailto:airconditioner@samsung.com)  
\* Images and data in this book may subject to change without prior notice.