

1 Specifications

1-1. DVM S HP

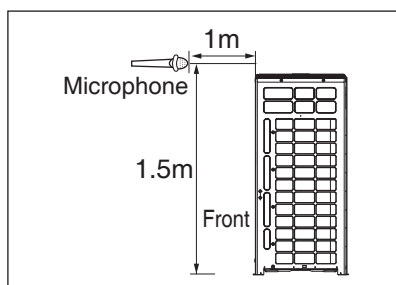
Model Name				AM080FXVAGH***	AM100FXVAGH***	AM120FXVAGH***	AM140FXVAGH***
Power Supply			Ø, #, V, Hz	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
Mode			-	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP
Performance	HP		HP	8.00	10.00	12.00	14.00
	Capacity (Nominal)	Cooling	kW	22.40	28.00	33.60	40.00
			Btu/h	76,400	95,500	114,600	136,500
		Heating	kW	25.20	31.50	37.80	45.00
			Btu/h	86,000	107,500	129,000	153,500
Power	Power Input (Nominal)	Cooling ¹⁾	kW	5.00	6.80	8.40	8.90
		Heating ²⁾		5.10	6.70	8.70	9.50
	Current Input (Nominal)	Cooling ¹⁾	A	8.00	10.90	13.50	14.30
		Heating ²⁾		8.20	10.70	14.00	15.20
	MCA			22.5	29.9	31.3	31.3
	MFA			30	40	40	40
COP	Nominal Cooling ¹⁾		-	4.48	4.12	4.00	4.49
	Nominal Heating ²⁾		-	4.94	4.70	4.34	4.74
	ESEER		-	7.85	7.25	7.03	7.02
Compressor	Type		-	SSC Scroll x 1	SSC Scroll x 1	SSC Scroll x 1	SSC Scroll x 1
	Output		kW x n	(4.96)	(6.13)	(6.13)	(6.13)
	Model Name		-	DS-GB052FAVASG x 1	DS-GB066FAVASG x 1	DS-GB066FAVASG x 1	DS-GB066FAVASG x 1
	Oil	Type	-	PVE	PVE	PVE	PVE
		Initial Charge	cc	2300	2300	2300	2300
Fan	Type		-	Propeller	Propeller	Propeller	Propeller
	Output x n		W	400 x 1	400 x 1	400 x 1	620 x 2
	Air Flow Rate		CMM	145	145	190	260
			l/s	2,416.67	2,416.67	3,166.67	4,333.33
	External Static Pressure	Max.	mmAq	8.00	8.00	8.00	8.00
			Pa	78.45	78.45	78.45	78.45
Piping Connections	Liquid Pipe		Ø, mm	9.52	9.52	12.70	12.70
			Ø, inch	3/8	3/8	1/2	1/2
	Gas Pipe		Ø, mm	19.05	22.22	28.58	28.58
			Ø, inch	3/4	7/8	1 1/8	1 1/8
	Installation Limitation	Max. Length	m	200(220)	200(220)	200(220)	200(220)
		Max. Height	m	110(40)	110(40)	110(40)	110(40)
Field Wiring	Power Source Wire		mm ²	-	-	-	-
	Transmission Cable		mm ²	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5
Refrigerant	Type		-	R410A	R410A	R410A	R410A
	Factory Charging		kg	5.50	5.20	5.50	7.70
Sound ³⁾	Sound Pressure		dB(A)	57	58	62	61
	Sound Power		dB(A)	77	79	81	81
External Dimension	Net Weight		kg	190.0	190.0	190.0	235.0
	Shipping Weight		kg	206.0	206.0	206.0	254.0
	Net Dimensions (WxHxD)		mm	880 x 1,695 x 765	880 x 1,695 x 765	880 x 1,695 x 765	1,295 x 1,695 x 765
	Shipping Dimensions (WxHxD)		mm	948 x 1,857 x 832	948 x 1,857 x 832	948 x 1,857 x 832	1,363 x 1,857 x 832
Operating Temp. Range	Cooling		°C	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0
	Heating		°C	-20.0 ~ 24.0	-20.0 ~ 24.0	-20.0 ~ 24.0	-20.0 ~ 24.0

If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under. (If the level difference is higher than 50m, make a decision simulating by PDM kit installation Guide software whether the PDM kit should be installed or not.) *PDM kit: Pressure Drop Modulation kit

- Nominal cooling capacities are based on;
Indoor temperature : 27°C DB, 19°C WB / Outdoor temperature : 35°C DB, Equivalent refrigerant piping : 7.5m , Level differences : 0m
- Nominal heating capacities are based on;
Indoor temperature : 20°C DB, 15°C WB / Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m
- Sound level was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.

4 Sound level

4-1. Sound pressure level



Unit: dB(A)

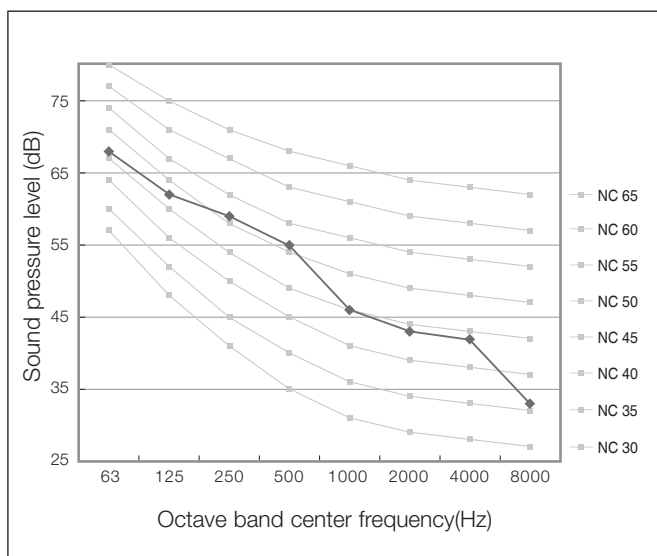
Model	Pressure
AM080FXVAGH***, AM080FXVAGR***	57
AM100FXVAGH***, AM100FXVAGR***	58
AM120FXVAGH***, AM120FXVAGR***	62
AM140FXVAGH***, AM140FXVAGR***	61
AM160FXVAGH***, AM160FXVAGR***	63
AM180FXVAGH***, AM180FXVAGR***	64
AM200FXVAGH***, AM200FXVAGR***	65
AM220FXVAGH***, AM220FXVAGR***	67

✓ Note

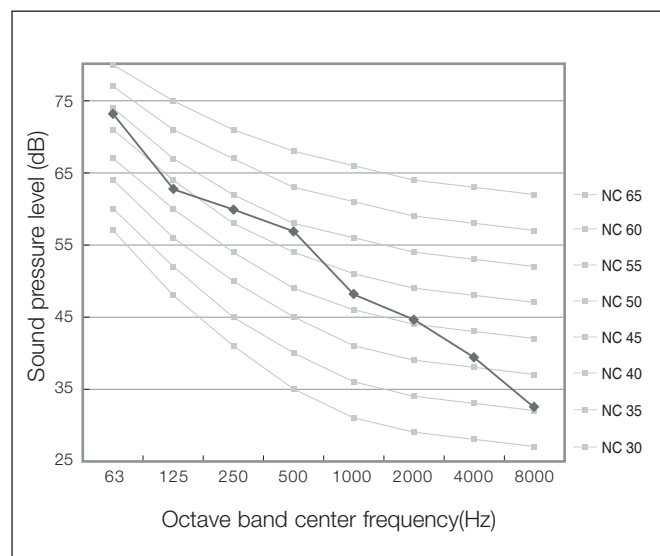
- ◆ Measuring place: Anechoic chamber (conversion value)
- ◆ These operation values were obtained in an anechoic room. Sound pressure level will vary depending on a range of factors such as the construction of the particular room where the equipment is installed.
- ◆ Operation sound level may differ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

4-2. NC curves

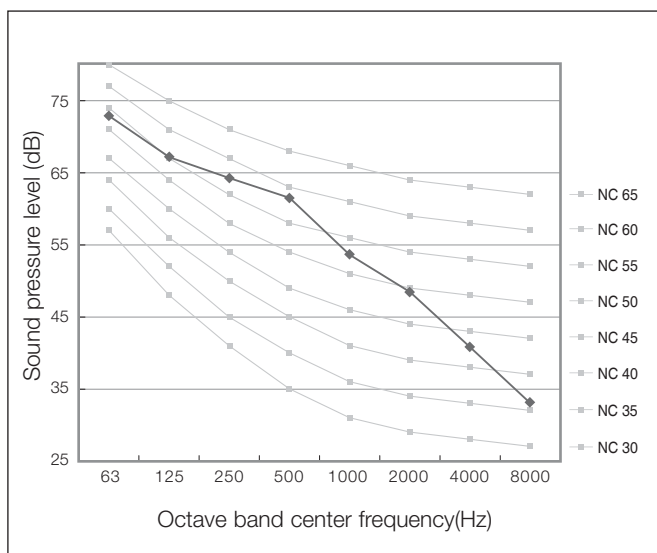
1) AM080FXVAGH***, AM080FXVAGR***



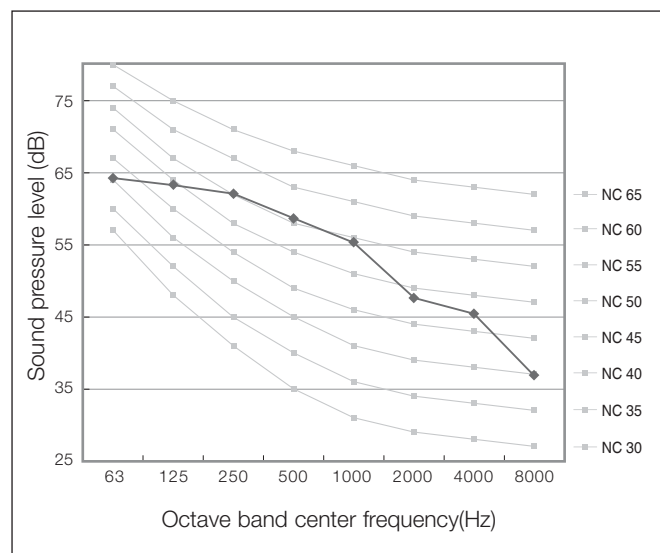
2) AM100FXVAGH***, AM100FXVAGR***



3) AM120FXVAGH***, AM120FXVAGR***



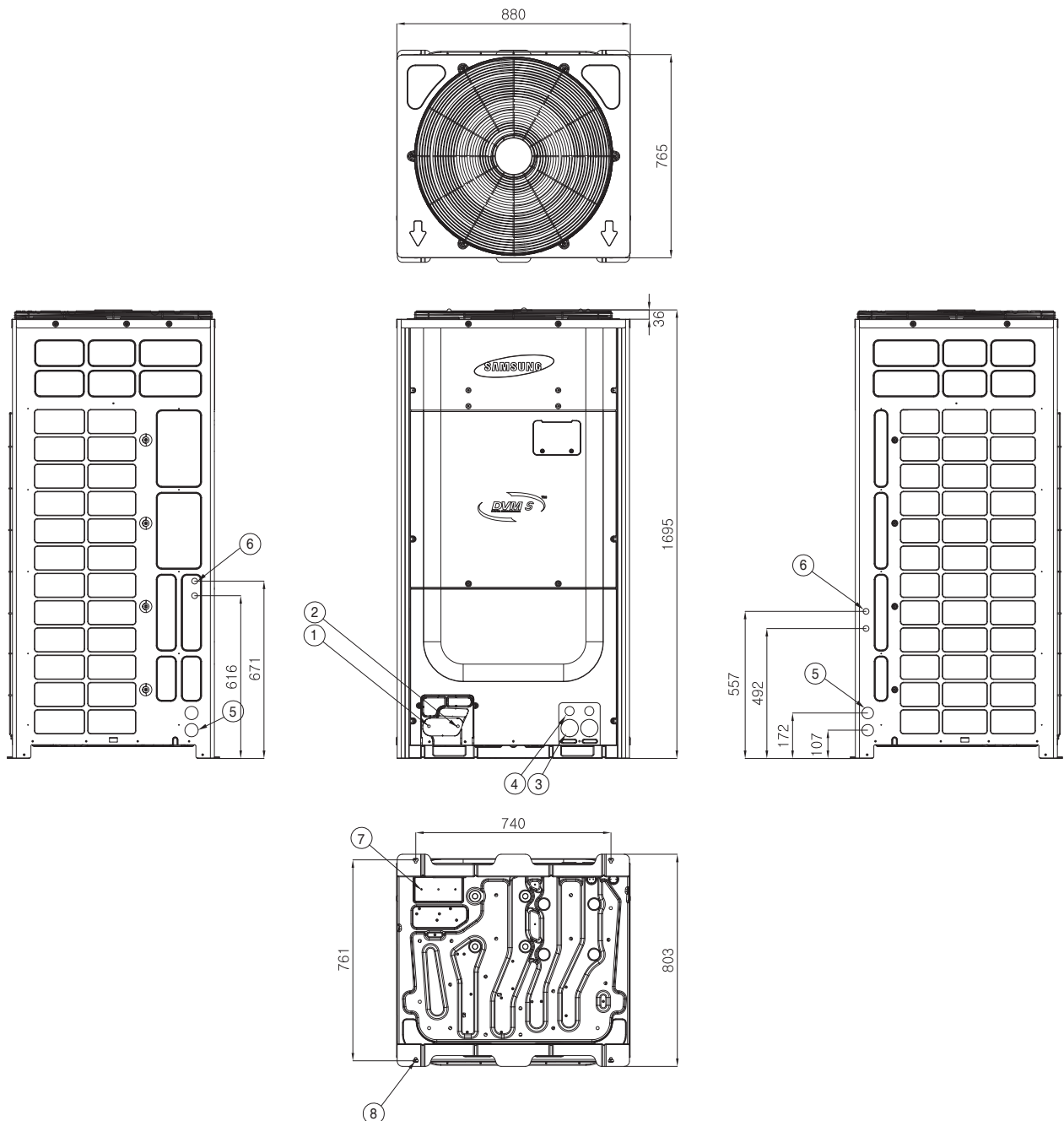
4) AM140FXVAGH***, AM140FXVAGR***



6-1. Heat Pump

1) AM080/100/120FXVAGH***

Unit : mm



No.	Name	Description	No.	Name	Description
①	Gas Ref. Pipe	-	⑤	Power Wiring Conduit	4 - Ø43.7
②	Liquid Ref. Pipe	-	⑥	Communication Wiring Conduit	8 - Ø22.0
③	Power Wiring Conduit	2 - Ø43.7	⑦	Knock-out Hole for Ref. Piping	178 x 76
④	Communication Wiring Conduit	2 - Ø34.5	⑧	Anchor Bolt Hole	4 - Ø12