SAMSUNG

VRF Technical Data Book

DVM S for Europe (R410A, 50Hz, HP)

Model Type : Premium (Compact / Energy Efficiency) Type
Standard Type

History

Version	Modification	Date	Remark
Ver.1.0	Release DVM S 30HP High EER TDB for Europe (R410A, 50Hz, HP)	15.12.30	
Ver.1.1	Add Sound Pressure Spec for Modules (At Cooling Mode / P.15 ~ 58)	16.01.06	
Ver.1.2	Modify Electric Diagram Mapping (For AM160KXVGGH*** Model / P.65, 66) Line-Up Name (Standard → Premium Compact, High Effi. → Premium High Efficiency / P.4, 5)	16.01.13	
Ver.2.0	Update all contents including installation	16.07.07	

Nomenclature

Outdoor Units

Model Names

AM	140	K	X	V	G	G	H	/	EU
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)		Buyer

(1) Classification

AM	DVM

(2) Capacity

x 1/10 HP (3 digits)

(3) Version

F	2013
H	2014
J	2015
K	2016

(4) Product Type

X	Outdoor Unit
N	Indoor Unit

(5) Feature1

V	Inverter
M	DVM S Eco

(6) Feature2

A	Standard + General Temp.+ Module
H	High EER + Low Temp + Module
G	High EER + General Temp + Module

(7) Rating Voltage

E	1Ø, 220~240V, 50Hz
G	3Ø, 380~415V, 50Hz

(8) Mode

H	Heat Pump
R	Heat Recovery

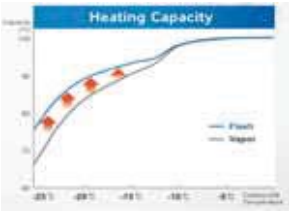
Features & Benefits

Samsung VRF system air conditioners offer instant temperature control, user-friendly installation and advanced functionality, along with smart power usage. Our flagship VRF-based Samsung DVM S is a highly innovative system that adopts the new third-generation Samsung Scroll Compressor (SSC) technology with Dual Digital Inverter. DVM S provides world-class energy efficiency and the most powerful cooling and heating performance available on the market. This ideal air conditioning system accommodates all variable environments, including large commercial or residential buildings.

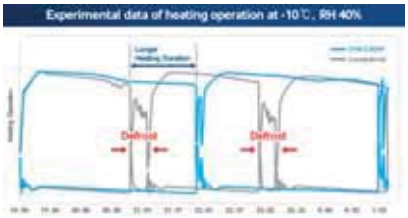
Samsung DVM S offers innovative features to benefit the indoor comfort as well operational costs of the system through technological advances such as :

The world's largest capacity.
Outdoor unit of capacities up to 30HP offer rooftop space savings as well as lowering the installations and transportation costs.

High seasonal energy efficiency.
Samsung DVM S adopts a dual inverter scroll compressor that upgrades refrigerant flow and the motor's operating performance. It makes ESEER of DVM S is up to 8.00.



Superior Heating Performance &
Wide Operating Temperature Rangewith Flash Injection.
Increase Refrigerant flow by 32%, extend heating operation range at -25℃, thanks to Flash Injection technology, extended compressor reliability range and control compression ratio.

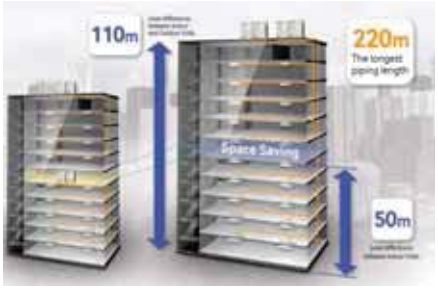


Intelligent Defrosting Logic.
DVM S Intelligent Defrost Control logic keeps the unit in the heating mode for up to 40% longer throughout the heating season compared to conventional model by monitoring the air resistance through the heat exchanger.

Features & Benefits

Samsung DVM S offers innovative features to benefit the indoor comfort as well operational costs of the system through technological advances such as :

Optimised Heat Exchanger.
Combination of optimised coil path and different types of fin design for upper and lower parts of the condenser evens out the airflow profile to optimise the heat transfer process.



Extended Piping Length Limits.
Allows extended piping length of up to 220m, and units will still give a great performance over wide areas. With this technology, installation is available with a maximum height level of 110m, which is equivalent to 20 stories (each story is considered 5m high).

Smart management.
Further improves system's energy efficiency due to precise indoor climate control. Web-based remote monitoring and management system allows quick and easy HVAC control and breakdown alert.

Eurovent Certified Performance.
Samsung DVM S had become the 1st VRF product to be certified by Eurovent, the European Committee of HVAC&R, in March 2014.

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Premium compact
Premium energy efficiency
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8 Operation range

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1 Combination table : Outdoor units

Premium Compact

System Model			Capacity of Single Unit (HP)											
Capa	Code	No. of Modules	8HP	10HP	12HP	14HP	16HP	18HP	20HP	22HP	24HP	26HP	28HP	30HP
8HP	AM080JXVHGH/EU	1	1											
10HP	AM100JXVHGH/EU	1		1										
12HP	AM120JXVHGH/EU	1			1									
14HP	AM140KXVGGH/EU	1				1								
16HP	AM160KXVGGH/EU	1					1							
18HP	AM180KXVGGH/EU	1						1						
20HP	AM200KXVGGH/EU	1							1					
22HP	AM220KXVGGH/EU	1								1				
24HP	AM240KXVGGH/EU	1									1			
26HP	AM260KXVGGH/EU	1										1		
28HP	AM280KXVGGH/EU	1											1	
30HP	AM300KXVAGH/EU	1												1
32HP	AM320KXVGGH1EU	2			1				1					
34HP	AM340KXVGGH1EU	2			1					1				
36HP	AM360KXVGGH1EU	2				1				1				
38HP	AM380KXVGGH1EU	2					1			1				
40HP	AM400KXVGGH1EU	2						1		1				
42HP	AM420KXVGGH1EU	2							1	1				
44HP	AM440KXVGGH1EU	2				1								1
46HP	AM460KXVGGH1EU	2					1							1
48HP	AM480KXVGGH1EU	2						1						1
50HP	AM500KXVGGH1EU	2							1					1
52HP	AM520KXVGGH1EU	2								1				1
54HP	AM540KXVGGH1EU	2									1			1
56HP	AM560KXVGGH1EU	2										1		1
58HP	AM580KXVGGH1EU	2											1	1
60HP	AM600KXVGGH1EU	2												2
62HP	AM620KXVGGH1EU	3			1				1					1
64HP	AM640KXVGGH1EU	3			1					1				1
66HP	AM660KXVGGH1EU	3				1				1				1
68HP	AM680KXVGGH1EU	3					1			1				1
70HP	AM700KXVGGH1EU	3						1		1				1
72HP	AM720KXVGGH1EU	3							1	1				1
74HP	AM740KXVGGH1EU	3								2				1
76HP	AM760KXVGGH1EU	3								1	1			1
78HP	AM780KXVGGH1EU	3								1		1		1
80HP	AM800KXVGGH1EU	3								1			1	1
82HP	AM820KXVGGH1EU	3								1				2
84HP	AM840KXVGGH1EU	3									1			2
86HP	AM860KXVGGH1EU	3										1		2
88HP	AM880KXVGGH1EU	3											1	2
90HP	AM900KXVGGH1EU	3												3

- ▶ Make sure to use an indoor unit that is compatible with DVM S.
- ▶ Indoor units can be connected within the range indicated in following table.
- ▶ If the total capacity of the connected indoor units exceeds the indicated maximum capacity, cooling and heating capacity of the indoor unit may decrease.
- ▶ Total capacity of the connected indoor units can be allowed from 50% to 130% of the total outdoor unit capacity.
  0.5 × Σ(Outdoor unit capacity) ≤ Total capacity of the connected indoor units ≤ 1.3 × Σ(Outdoor unit capacity)

※ You can connect maximum 64 indoor units to the outdoor unit. Maximum quantity of connectable indoor unit is set to 64 since outdoor unit only support up to 64 communication address. Indoor unit address can be assigned from 0~63. If the indoor unit address was assigned from 64~79, E201 error will occur.

※ Maximum 32 Wall-mount type indoor units with EEV (AM✳✳✳FNQDEH✳, AM✳✳✳JNVDKH✳) can be connected.

- ▶ In case of combining modules more than 90HP, please consult the manufacturer when connecting the indoor unit and deciding on piping length in accordance with design of the building.

1 Combination table : Outdoor units

Premium Energy Efficiency

System Model			Capacity of Single Unit (HP)											
Capa	Code	No. of Modules	8HP	10HP	12HP	14HP	16HP	18HP	20HP	22HP	24HP	26HP	28HP	30HP
8HP	AM080JXVHGH/EU	1	1											
10HP	AM100JXVHGH/EU	1		1										
12HP	AM120JXVHGH/EU	1			1									
14HP	AM140KXVGGH/EU	1				1								
16HP	AM160KXVGGH/EU	1					1							
18HP	AM180KXVGGH/EU	1						1						
20HP	AM200KXVGGH/EU	1							1					
22HP	AM220KXVGGH2EU	2		1	1									
24HP	AM240KXVGGH2EU	2			2									
26HP	AM260KXVGGH2EU	2	1					1						
28HP	AM280KXVGGH2EU	2	1						1					
30HP	AM300KXVAGH2EU	2			1			1						
32HP	AM320KXVGGH2EU	2				1		1						
34HP	AM340KXVGGH2EU	3	2					1						
36HP	AM360KXVGGH2EU	2						2						
38HP	AM380KXVGGH2EU	2						1	1					
40HP	AM400KXVGGH2EU	3	1			1		1						
42HP	AM420KXVGGH2EU	3	1			1			1					
44HP	AM440KXVGGH2EU	3	1					2						
46HP	AM460KXVGGH2EU	3	1					1	1					
48HP	AM480KXVGGH2EU	3	1						2					
50HP	AM500KXVGGH2EU	3				1		2						
52HP	AM520KXVGGH2EU	3	1					1				1		
54HP	AM540KXVGGH2EU	3	1						1			1		
56HP	AM560KXVGGH2EU	3			1			1				1		
58HP	AM580KXVGGH2EU	3	1								1	1		
60HP	AM600KXVGGH2EU	3						2			1			
62HP	AM620KXVGGH2EU	4	1					3						
64HP	AM640KXVGGH2EU	4	1					2	1					
66HP	AM660KXVGGH2EU	4			1			3						
68HP	AM680KXVGGH2EU	4				1		3						
70HP	AM700KXVGGH2EU	4	1					2				1		
72HP	AM720KXVGGH2EU	4						4						
74HP	AM740KXVGGH2EU	4						3	1					
76HP	AM760KXVGGH2EU	4						2	2					
78HP	AM780KXVGGH2EU	4						1	3					
80HP	AM800KXVGGH2EU	4						3				1		
82HP	AM820KXVGGH2EU	4						2	1			1		
84HP	AM840KXVGGH2EU	4						1	2			1		
86HP	AM860KXVGGH2EU	4						1	1	1		1		
88HP	AM880KXVGGH2EU	4						1	1		1	1		
90HP	AM900KXVGGH2EU	4						1	1			2		

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- ▶ In case of combining modules more than 90HP, please consult the manufacturer when connecting the indoor unit and deciding on piping length in accordance with design of the building.

1 Combination table : Outdoor units

Standard

System Model			Capacity of Single Unit (HP)											
Capa	Code	No. of Modules	8HP	10HP	12HP	14HP	16HP	18HP	20HP	22HP	24HP	26HP	28HP	30HP
8HP	AM080JXVAGH/EU	1	1											
10HP	AM100JXVAGH/EU	1		1										
12HP	AM120JXVAGH/EU	1			1									
14HP	AM140KXVAGH/EU	1				1								
16HP	AM160KXVAGH/EU	1					1							
18HP	AM180KXVAGH/EU	1						1						
20HP	AM200KXVAGH/EU	1							1					
22HP	AM220KXVAGH/EU	1								1				
24HP	AM240KXVAGH/EU	1									1			
26HP	AM260KXVAGH/EU	1										1		
28HP	AM280KXVAGH/EU	1											1	
30HP	AM300KXVAGH/EU	1												1
32HP	AM320KXVAGH/EU	2		1						1				
34HP	AM340KXVAGH/EU	2			1					1				
36HP	AM360KXVAGH/EU	2				1				1				
38HP	AM380KXVAGH/EU	2					1			1				
40HP	AM400KXVAGH/EU	2						1		1				
42HP	AM420KXVAGH/EU	2							1	1				
44HP	AM440KXVAGH/EU	2								2				
46HP	AM460KXVAGH/EU	2					1							1
48HP	AM480KXVAGH/EU	2						1						1
50HP	AM500KXVAGH/EU	2							1					1
52HP	AM520KXVAGH/EU	2								1				1
54HP	AM540KXVAGH/EU	2									1			1
56HP	AM560KXVAGH/EU	2										1		1
58HP	AM580KXVAGH/EU	2											1	1
60HP	AM600KXVAGH/EU	2												2
62HP	AM620KXVAGH/EU	3		1						1				1
64HP	AM640KXVAGH/EU	3			1					1				1
66HP	AM660KXVAGH/EU	3				1				1				1
68HP	AM680KXVAGH/EU	3					1			1				1
70HP	AM700KXVAGH/EU	3						1		1				1
72HP	AM720KXVAGH/EU	3							1	1				1
74HP	AM740KXVAGH/EU	3								2				1
76HP	AM760KXVAGH/EU	3								1	1			1
78HP	AM780KXVAGH/EU	3								1		1		1
80HP	AM800KXVAGH/EU	3								1			1	1
82HP	AM820KXVAGH/EU	3								1				2
84HP	AM840KXVAGH/EU	3									1			2
86HP	AM860KXVAGH/EU	3										1		2
88HP	AM880KXVAGH/EU	3											1	2
90HP	AM900KXVAGH/EU	3												3

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1 Combination table: Indoor units

Indoor Units

Model	Capacity (kW)															
	1.5	1.7	2.2	2.8	3.2	3.6	4.5	5.6	6.0	7.1	8.2	9.0	11.2	12.8	14.0	16.0
Slim 1Way CST (JSF)																
Interior 1Way CST																
2Way CST																
4Way CST																
360 CST																
Floor Standing Unit																
4Way CST S (600X600)																
Duct S (MSP)																
Slim Duct																
MSP Duct																
Ceiling																
Console																
Neo forte																
Neo forte (with EEV)																
AR5000																
AR5000 (with EEV)																

1 Combination table: Indoor units

Indoor Units

Model	Capacity (kW)															
	6	7.1	8.2	9	11.2	12.8	14	16	18	22	25	28	31.5	50.4	500 CMH	1000 CMH
HSP Duct																
OAP Duct																
Big Duct																
Hydro Unit HE																
Hydro Unit HT																
ERV Plus																

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※ Maximum 32 Wall-mount type indoor units with EEV (AM✳✳✳FNQDEH✳, AM✳✳✳JNVDKH✳) can be connected.

1 Combination table: External Appearance

Premium Compact

Capa [HP]	Model Nane	Model	Capa [HP]	Model Nane	Model
8 10 12	AM080JXVHGH/EU AM100JXVHGH/EU AM120JXVHGH/EU		14 16 18 20 22	AM140KXVGGH/EU AM160KXVGGH/EU AM180KXVGGH/EU AM200KXVGGH/EU AM220KXVGGH/EU	
24 26 28 30	AM240KXVGGH/EU AM260KXVGGH/EU AM280KXVGGH/EU AM300KXVAGH/EU		32 34	AM320KXVGGH1EU AM340KXVGGH1EU	
36 38 40 42	AM360KXVGGH1EU AM380KXVGGH1EU AM400KXVGGH1EU AM420KXVGGH1EU		44 46 48 50 52	AM440KXVGGH1EU AM460KXVGGH1EU AM480KXVGGH1EU AM500KXVGGH1EU AM520KXVGGH1EU	
54 56 58 60	AM540KXVGGH1EU AM560KXVGGH1EU AM580KXVGGH1EU AM600KXVGGH1EU		62 64	AM620KXVGGH1EU AM640KXVGGH1EU	
66 68 70 72 74	AM660KXVGGH1EU AM680KXVGGH1EU AM700KXVGGH1EU AM720KXVGGH1EU AM740KXVGGH1EU		76 78 80 82	AM760KXVGGH1EU AM780KXVGGH1EU AM800KXVGGH1EU AM820KXVGGH1EU	
84 86 88 90	AM840KXVGGH1EU AM860KXVGGH1EU AM880KXVGGH1EU AM900KXVGGH1EU				

1 Combination table: External Appearance

Premium Energy Efficiency

Capa [HP]	Model Nane	Model	Capa [HP]	Model Nane	Model
8 10 12	AM080JXVHGH/EU AM100JXVHGH/EU AM120JXVHGH/EU		14 16 18 20	AM140KXVGGH/EU AM160KXVGGH/EU AM180KXVGGH/EU AM200KXVGGH/EU	
22 24	AM220KXVGGH2EU AM240KXVGGH2EU		26 28 30	AM260KXVGGH2EU AM280KXVGGH2EU AM300KXVAGH2EU	
32 36 38	AM320KXVGGH2EU AM360KXVGGH2EU AM380KXVGGH2EU		34	AM340KXVGGH2EU	
40 42 44 46 48	AM400KXVGGH2EU AM420KXVGGH2EU AM440KXVGGH2EU AM460KXVGGH2EU AM480KXVGGH2EU		50	AM500KXVGGH2EU	
52 54 56	AM520KXVGGH2EU AM540KXVGGH2EU AM560KXVGGH2EU		58	AM580KXVGGH2EU	
60	AM600KXVGGH2EU		62 64 66	AM620KXVGGH2EU AM640KXVGGH2EU AM660KXVGGH2EU	
68 72 74 76 78	AM680KXVGGH2EU AM720KXVGGH2EU AM740KXVGGH2EU AM760KXVGGH2EU AM780KXVGGH2EU		70	AM700KXVGGH2EU	
80 82 84 86	AM800KXVGGH2EU AM820KXVGGH2EU AM840KXVGGH2EU AM860KXVGGH2EU		88 90	AM880KXVGGH2EU AM900KXVGGH2EU	

1 Combination table: External Appearance

Standard

Capa [HP]	Model Nane	Model	Capa [HP]	Model Nane	Model
8 10 12	AM080JXVAGH/EU AM100JXVAGH/EU AM120JXVAGH/EU		14 16 18 20 22	AM140KXVAGH/EU AM160KXVAGH/EU AM180KXVAGH/EU AM200KXVAGH/EU AM220KXVAGH/EU	
24 26 28 30	AM240KXVAGH/EU AM260KXVAGH/EU AM280KXVAGH/EU AM300KXVAGH/EU		32 34	AM320KXVAGH/EU AM340KXVAGH/EU	
36 38 40 42 44	AM360KXVAGH/EU AM380KXVAGH/EU AM400KXVAGH/EU AM420KXVAGH/EU AM440KXVAGH/EU		46 48 50 52	AM460KXVAGH/EU AM480KXVAGH/EU AM500KXVAGH/EU AM520KXVAGH/EU	
54 56 58 60	AM540KXVAGH/EU AM560KXVAGH/EU AM580KXVAGH/EU AM600KXVAGH/EU		62 64	AM620KXVAGH/EU AM640KXVAGH/EU	
66 68 70 72 74	AM660KXVAGH/EU AM680KXVAGH/EU AM700KXVAGH/EU AM720KXVAGH/EU AM740KXVAGH/EU		76 78 80 82	AM760KXVAGH/EU AM780KXVAGH/EU AM800KXVAGH/EU AM820KXVAGH/EU	
84 86 88 90	AM840KXVAGH/EU AM860KXVAGH/EU AM880KXVAGH/EU AM900KXVAGH/EU				

Premium Compact

Type					DVM S(NEW)	DVM S(NEW)	DVM S(NEW)
Model Name					AM080JXVHGH/EU	AM100JXVHGH/EU	AM120JXVHGH/EU
	Outdoor unit module 1				AM080JXVHGH/EU	AM100JXVHGH/EU	AM120JXVHGH/EU
	Outdoor unit module 2				-	-	-
	Outdoor unit module 3				-	-	-
	Outdoor unit module 4				-	-	-
Power Supply				Φ, #, V, Hz	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
Mode				-	HEAT PUMP	HEAT PUMP	HEAT PUMP
Performance	HP			HP	8	10	12
	Capacity (Nominal)	Cooling		kW	22.40	28.00	33.60
				Btu/h	76,400	95,500	114,600
		Heating		kW	25.20	31.50	37.80
				Btu/h	86,000	107,500	129,000
	Total capacity of the connected Indoor Units 3)	Min.		kW	11.2	14.0	16.8
		Max.		kW	29.1	36.4	43.7
Power	Power Input (Nominal)	Cooling 1)		kW	4.59	6.22	7.57
		Heating 2)			4.59	5.89	7.56
	Current Input (Nominal)	Cooling 1)		A	7.40	10.00	12.10
		Heating 2)			7.40	9.40	12.10
	Current	Minimum Ssc value		MVA	3.1	4.6	5.5
		MCA(Minimum Circuit Amps)		A	**18.0**	**21.1**	**25.0**
		MFA/MOP(Maximum Fuse Amps)		A	**25.0**	**32.0**	**32.0**
		TOCA(Total Over Current Amps)		A	18.9	22.2	26.3
		FLA Total(Full Load Amps)		A	2.4	2.4	2.4
Capacity Control		Method		-	Inverter controlled	Inverter controlled	Inverter controlled
COP	Nominal Cooling 1)			W/W	4.88	4.50	4.44
	Nominal Heating 2)			W/W	5.49	5.35	5.00
	ESEER			W/W	8.00	7.43	7.23
Casing	Color			-	Earth brown	Earth brown	Earth brown
	Material			-	Painted galvanized steel plate	Painted galvanized steel plate	Painted galvanized steel plate
Heat exchanger	Type			-	Fin & Tube	Fin & Tube	Fin & Tube
	Fin	Treatment		-	Anti-corrosion treatment	Anti-corrosion treatment	Anti-corrosion treatment
Compressor	Type			-	SSC Scroll	SSC Scroll	SSC Scroll
	Output			kW × n	(5.18) x 1	(6.39) x 1	(6.39) x 1
	Model Name			-	DS-GB052FAVBSG x 1	DS-GB066FAVBSG x 1	DS-GB066FAVBSG x 1
	Oil	Type		-	PVE	PVE	PVE
		Initial Charge		cc	1100	1100	1100
Fan	Type			-	Propeller	Propeller	Propeller
	Discharge direction			-	Top	Top	Top
	Quantity			ea	1	1	1
	Air Flow Rate			m³/min	170	170	220
				l/s	2,833.33	2,833.33	3,666.67
	External Static Pressure		Max.	mmAq	8.00	8.00	8.00
				Pa	78.45	78.45	78.45
Fan Motor	Model			-	BrushLess DC Motor	BrushLess DC Motor	BrushLess DC Motor
	Output x n			W	830.0 x 1	830.0 x 1	830.0 x 1
Piping Connections	Liquid Pipe			Type	Braze connection	Braze connection	Braze connection
				Φ, mm	9.52	9.52	12.70
				Φ, inch	3/8"	3/8"	1/2"
	Gas Pipe			Type	Braze connection	Braze connection	Braze connection
				Φ, mm	19.05	22.22	28.58
				Φ, inch	3/4"	7/8"	1 1/8"
	Heat insulation			-	Both liquid and gas pipes	Both liquid and gas pipes	Both liquid and gas pipes
	Discharge Gas Pipe			Φ, mm	-	-	-
				Φ, inch	-	-	-
	Piping length	ODU-IDU	Max.	m	200(220)	200(220)	200(220)
		After branch	Max.	m	90	90	90
	Total piping length	System	Actual	m	1000	1000	1000
	Level difference	ODU-IDU	Outdoor unit in highest position	m	110	110	110
			Indoor unit in highest position	m	110	110	110
		IDU-IDU	Max.	m	50	50	50
Maximum number of connectable indoor units				ea	14	18	21
Wiring connections	For power supply	Quantity		ea	5G	5G	5G
	For connection with indoor	Minimum		mm2	0.75	0.75	0.75
		Remark		-	F1,F2	F1,F2	F1,F2
	Power supply intake			-	Both indoor and outdoor unit	Both indoor and outdoor unit	Both indoor and outdoor unit
Refrigerant	Type			-	R410A	R410A	R410A
	Factory Charging			kg	6.50	6.50	6.50
Sound	Sound Pressure		Cooling	dB(A)	57	58	62
			Heating		59	60	64
	Sound Power		Nominal		77	79	81

Premium Compact

Model Name				AM080JXVHGH/EU	AM100JXVHGH/EU	AM120JXVHGH/EU
External Dimension	Net Weight		kg	195.5	195.5	195.5
	Shipping Weight		kg	211.5	211.5	211.5
	Net Dimensions (WxHxD)		mm	880 x 1,695 x 765	880 x 1,695 x 765	880 x 1,695 x 765
	Shipping Dimensions (WxHxD)		mm	948 x 1,887 x 832	948 x 1,887 x 832	948 x 1,887 x 832
Operating Temp. Range	Cooling		℃	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0
	Heating		℃	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0
Defrost	Method		-	Reversed cycle	Reversed cycle	Reversed cycle
Safety devices	Item	1	-	High pressure switch	High pressure switch	High pressure switch
		2	-	Fan driver overload protector	Fan driver overload protector	Fan driver overload protector
		3	-	Inverter overload protector	Inverter overload protector	Inverter overload protector
		4	-	PC board fuse	PC board fuse	PC board fuse

*** Specification may be subject to change without prior notice.**
Specification comply with EN14511.

1) Nominal cooling capacities are based on;
- Indoor temperature : 27°C DB, 19°C WB
- Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m
2) 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
3) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
4) Sound pressure level is obtained in an anechoic room
- Sound pressure level is a relative value, depending on the distance and acoustic environment.
- Sound pressure level may differ depending on operation condition.
- dBA = A-weighted sound pressure level
- Reference acoustic pressure 0 dB = 20uPa
5) Sound power level is an absolute value that a sound source generates.
- dBA = A-weighted sound power level
- Reference power : 1pW
- Measured according to ISO 3741
6) Sound values of multi combination are theoretical values based on sound results of individual installed units.
7) These products contain R410A which is fluorinated greenhouse gas.
8) 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 by PDM kit installation Guide software whether the PDM kit should be installed or not.)
***PDM kit: Pressure Drop Modulation kit**
When the outdoor unit is below the indoor unit & the level differences are 40m or more, contact your local dealer for more information.
※ In case you want to know more information regarding capacity and correction, please refer to capacity table TDB on pvi.samsung.com site.

Premium Compact

Type				DVM S(NEW)	DVM S(NEW)	DVM S(NEW)
Model Name				AM140KXVGGH/EU	AM160KXVGGH/EU	AM180KXVGGH/EU
	Outdoor unit module 1			AM140KXVGGH/EU	AM160KXVGGH/EU	AM180KXVGGH/EU
	Outdoor unit module 2			-	-	-
	Outdoor unit module 3			-	-	-
	Outdoor unit module 4			-	-	-
Power Supply			Φ, #, V, Hz	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
Mode			-	HEAT PUMP	HEAT PUMP	HEAT PUMP
Performance	HP		HP	14	16	18
	Capacity (Nominal)	Cooling	kW	40.00	45.00	50.40
			Btu/h	136,500	153,500	172,000
		Heating	kW	45.00	50.40	56.70
			Btu/h	153,500	172,000	193,500
	Total capacity of the connected Indoor Units 3)	Min.	kW	20.0	22.5	25.2
		Max.	kW	52.0	58.5	65.5
Power	Power Input (Nominal)	Cooling 1)	kW	8.89	10.92	10.68
		Heating 2)		9.62	10.75	10.52
	Current Input (Nominal)	Cooling 1)	A	14.30	17.50	17.10
		Heating 2)		15.40	17.20	16.90
	Current	Minimum Ssc value	MVA	5.4	7.2	8.8
		MCA(Minimum Circuit Amps)	A	**25.0**	**32.0**	**39.2**
		MFA/MOP(Maximum Fuse Amps)	A	**32.0**	**40.0**	**50.0**
		TOCA(Total Over Current Amps)	A	26.3	33.6	41.2
		FLA Total(Full Load Amps)	A	3.8	3.8	3.8
Capacity Control		Method	-	Inverter controlled	Inverter controlled	Inverter controlled
COP	Nominal Cooling 1)		W/W	4.50	4.12	4.72
	Nominal Heating 2)		W/W	4.68	4.69	5.39
	ESEER		W/W	7.78	7.38	7.25
Casing	Color		-	Earth brown	Earth brown	Earth brown
	Material		-	Painted galvanized steel plate	Painted galvanized steel plate	Painted galvanized steel plate
Heat exchanger	Type		-	Fin & Tube	Fin & Tube	Fin & Tube
	Fin	Treatment	-	Anti-corrosion treatment	Anti-corrosion treatment	Anti-corrosion treatment
Compressor	Type		-	SSC Scroll	SSC Scroll	SSC Scroll
	Output		kW × n	(6.39) x 1	(7.81) x 1	(6.39x2) x 1
	Model Name		-	DS-GB066FAVB x 1	DS4GJ5080FVA x 1	DS-GB066FAVB x 2
	Oil	Type	-	PVE	PVE	PVE
		Initial Charge	cc	1100	1400	2200
Fan	Type		-	Propeller	Propeller	Propeller
	Discharge direction		-	Top	Top	Top
	Quantity		ea	2	2	2
	Air Flow Rate		m^3/min	255	255	290
			l/s	4,250.00	4,250.00	4,833.33
	External Static Pressure	Max.	mmAq	8.00	8.00	8.00
			Pa	78.45	78.45	78.45
Fan Motor	Model		-	BrushLess DC Motor	BrushLess DC Motor	BrushLess DC Motor
	Output x n		W	620.0 x 2	620.0 x 2	620.0 x 2
Piping Connections	Liquid Pipe		Type	Braze connection	Braze connection	Braze connection
			Φ, mm	12.70	12.70	15.88
			Φ, inch	1/2"	1/2"	5/8"
	Gas Pipe		Type	Braze connection	Braze connection	Braze connection
			Φ, mm	28.58	28.58	28.58
			Φ, inch	1 1/8"	1 1/8"	1 1/8"
	Heat insulation		-	Both liquid and gas pipes	Both liquid and gas pipes	Both liquid and gas pipes
	Discharge Gas Pipe		Φ, mm	-	-	-
			Φ, inch	-	-	-
	Piping length	ODU-IDU / Max.	m	200(220)	200(220)	200(220)
		After branch / Max.	m	90	90	90
	Total piping length	System / Actual	m	1000	1000	1000
	Level difference	ODU-IDU / Outdoor unit in highest position	m	110	110	110
		ODU-IDU / Indoor unit in highest position	m	110	110	110
		IDU-IDU / Max.	m	50	50	50
Maximum number of connectable indoor units			ea	26	29	32
Wiring connections	For power supply	Quantity	ea	5	5	5
	For connection with indoor	Minimum	mm2	0.75	0.75	0.75
		Remark	-	F1, F2	F1, F2	F1, F2
	Power supply intake		-	Both indoor and outdoor unit	Both indoor and outdoor unit	Both indoor and outdoor unit
Refrigerant	Type		-	R410A	R410A	R410A
	Factory Charging		kg	9.40	8.40	8.40
Sound	Sound Pressure	Cooling	dB(A)	61	63	65
		Heating		63	65	67
	Sound Power	Nominal		81	83	89

Premium Compact

Model Name				AM140KXVGGH/EU	AM160KXVGGH/EU	AM180KXVGGH/EU
External Dimension	Net Weight		kg	241.0	255.0	285.0
	Shipping Weight		kg	261.0	275.0	305.0
	Net Dimensions (WxHxD)		mm	1,295 x 1,695 x 765	1,295 x 1,695 x 765	1,295 x 1,695 x 765
	Shipping Dimensions (WxHxD)		mm	1,363 x 1,887 x 832	1,363 x 1,887 x 832	1,363 x 1,887 x 832
Operating Temp. Range	Cooling		℃	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0
	Heating		℃	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0
Defrost	Method		-	Reversed cycle	Reversed cycle	Reversed cycle
Safety devices	Item	1	-	High pressure switch	High pressure switch	High pressure switch
		2	-	Fan driver overload protector	Fan driver overload protector	Fan driver overload protector
		3	-	Inverter overload protector	Inverter overload protector	Inverter overload protector
		4	-	PC board fuse	PC board fuse	PC board fuse

*** Specification may be subject to change without prior notice.**
Specification comply with EN14511.

1) Nominal cooling capacities are based on;
- Indoor temperature : 27°C DB, 19°C WB
- Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m
2) 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
3) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
4) Sound pressure level is obtained in an anechoic room
- Sound pressure level is a relative value, depending on the distance and acoustic environment.
- Sound pressure level may differ depending on operation condition.
- dBA = A-weighted sound pressure level
- Reference acoustic pressure 0 dB = 20uPa
5) Sound power level is an absolute value that a sound source generates.
- dBA = A-weighted sound power level
- Reference power : 1pW
- Measured according to ISO 3741
6) Sound values of multi combination are theoretical values based on sound results of individual installed units.
7) These products contain R410A which is fluorinated greenhouse gas.
8) 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 by PDM kit installation Guide software whether the PDM kit should be installed or not.)
***PDM kit: Pressure Drop Modulation kit**
When the outdoor unit is below the indoor unit & the level differences are 40m or more, contact your local dealer for more information.
※ In case you want to know more information regarding capacity and correction, please refer to capacity table TDB on pvi.samsung.com site.

Premium Compact

Type				DVM S(NEW)	DVM S(NEW)	DVM S(NEW)
Model Name				AM200KXVGGH/EU	AM220KXVGGH/EU	AM240KXVGGH/EU
	Outdoor unit module 1			AM200KXVGGH/EU	AM220KXVGGH/EU	AM240KXVGGH/EU
	Outdoor unit module 2			-	-	-
	Outdoor unit module 3			-	-	-
	Outdoor unit module 4			-	-	-
Power Supply			Φ, #, V, Hz	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
Mode			-	HEAT PUMP	HEAT PUMP	HEAT PUMP
Performance	HP		HP	20	22	24
	Capacity (Nominal)	Cooling	kW	56.00	61.60	67.20
			Btu/h	191,100	210,200	229,300
		Heating	kW	63.00	69.30	75.60
			Btu/h	215,000	236,500	258,000
	Total capacity of the connected Indoor Units 3)	Min.	kW	28.0	30.8	33.6
		Max.	kW	72.8	80.1	87.4
Power	Power Input (Nominal)	Cooling 1)	kW	12.50	15.75	16.00
		Heating 2)		12.75	15.86	15.43
	Current Input (Nominal)	Cooling 1)	A	20.00	25.30	25.70
		Heating 2)		20.50	25.40	24.70
	Current	Minimum Ssc value	MVA	8.1	8.6	12.5
		MCA(Minimum Circuit Amps)	A	**42.0**	**44.6**	**55.0**
		MFA/MOP(Maximum Fuse Amps)	A	**63.0**	**63.0**	**63.0**
		TOCA(Total Over Current Amps)	A	44.1	46.8	57.8
		FLA Total(Full Load Amps)	A	3.8	3.8	3.8
Capacity Control		Method	-	Inverter controlled	Inverter controlled	Inverter controlled
COP	Nominal Cooling 1)		W/W	4.48	3.91	4.20
	Nominal Heating 2)		W/W	4.94	4.37	4.90
	ESEER		W/W	6.82	6.43	7.18
Casing	Color		-	Earth brown	Earth brown	Earth brown
	Material		-	Painted galvanized steel plate	Painted galvanized steel plate	Painted galvanized steel plate
Heat exchanger	Type		-	Fin & Tube	Fin & Tube	Fin & Tube
	Fin	Treatment	-	Anti-corrosion treatment	Anti-corrosion treatment	Anti-corrosion treatment
Compressor	Type		-	SSC Scroll	SSC Scroll	SSC Scroll
	Output		kW × n	(6.39)x2	(6.39)x2	(6.76)x2
	Model Name		-	DS-GB066FAVB x 2	DS-GB066FAVB x 2	DS-GB070FAVA x 2
	Oil	Type	-	PVE	PVE	PVE
		Initial Charge	cc	2200	2200	2200
Fan	Type		-	Propeller	Propeller	Propeller
	Discharge direction		-	Top	Top	Top
	Quantity		ea	2	2	2
	Air Flow Rate		m^3/min	290	290	340
			l/s	4,833.33	4,833.33	5,666.67
	External Static Pressure	Max.	mmAq	8.00	8.00	8.00
			Pa	78.45	78.45	78.45
Fan Motor	Model		-	BrushLess DC Motor	BrushLess DC Motor	BrushLess DC Motor
	Output x n		W	620.0 x 2	620.0 x 2	620.0 x 2
Piping Connections	Liquid Pipe		Type	Braze connection	Braze connection	Braze connection
			Φ, mm	15.88	15.88	15.88
			Φ, inch	5/8"	5/8"	5/8"
	Gas Pipe		Type	Braze connection	Braze connection	Braze connection
			Φ, mm	28.58	28.58	34.92
			Φ, inch	1 1/8"	1 1/8"	1 3/8"
	Heat insulation		-	Both liquid and gas pipes	Both liquid and gas pipes	Both liquid and gas pipes
	Discharge Gas Pipe		Φ, mm	-	-	-
			Φ, inch	-	-	-
	Piping length	ODU-IDU	Max.	m	200(220)	200(220)	200(220)
		After branch	Max.	m	90	90	90
	Total piping length	System	Actual	m	1000	1000	1000
	Level difference	ODU-IDU	Outdoor unit in highest position	m	110	110	110
			Indoor unit in highest position	m	110	110	110
		IDU-IDU	Max.	m	50	50	50
Maximum number of connectable indoor units			ea	36	40	43
Wiring connections	For power supply	Quantity	ea	5	5	5
	For connection with indoor	Minimum	mm2	0.75	0.75	0.75
		Remark	-	F1, F2	F1, F2	F1, F2
	Power supply intake		-	Both indoor and outdoor unit	Both indoor and outdoor unit	Both indoor and outdoor unit
Refrigerant	Type		-	R410A	R410A	R410A
	Factory Charging		kg	8.40	8.40	14.00
Sound	Sound Pressure	Cooling	dB(A)	65	65	69
		Heating		67	67	71
	Sound Power	Nominal		89	89	90

Premium Compact

Model Name				AM200KXVGGH/EU	AM220KXVGGH/EU	AM240KXVGGH/EU
External Dimension	Net Weight		kg	285.0	285.0	342.0
	Shipping Weight		kg	305.0	305.0	364.0
	Net Dimensions (WxHxD)		mm	1,295 x 1,695 x 765	1,295 x 1,695 x 765	1,295 x 1,795 x 765
	Shipping Dimensions (WxHxD)		mm	1,363 x 1,887 x 832	1,363 x 1,887 x 832	1,363 x 1,987 x 832
Operating Temp. Range	Cooling		℃	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0
	Heating		℃	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0
Defrost	Method		-	Reversed cycle	Reversed cycle	Reversed cycle
Safety devices	Item	1	-	High pressure switch	High pressure switch	High pressure switch
		2	-	Fan driver overload protector	Fan driver overload protector	Fan driver overload protector
		3	-	Inverter overload protector	Inverter overload protector	Inverter overload protector
		4	-	PC board fuse	PC board fuse	PC board fuse

*** Specification may be subject to change without prior notice.**
Specification comply with EN14511.

1) Nominal cooling capacities are based on;
- Indoor temperature : 27°C DB, 19°C WB
- Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m
2) 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
3) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
4) Sound pressure level is obtained in an anechoic room
- Sound pressure level is a relative value, depending on the distance and acoustic environment.
- Sound pressure level may differ depending on operation condition.
- dBA = A-weighted sound pressure level
- Reference acoustic pressure 0 dB = 20uPa
5) Sound power level is an absolute value that a sound source generates.
- dBA = A-weighted sound power level
- Reference power : 1pW
- Measured according to ISO 3741
6) Sound values of multi combination are theoretical values based on sound results of individual installed units.
7) These products contain R410A which is fluorinated greenhouse gas.
8) 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 by PDM kit installation Guide software whether the PDM kit should be installed or not.)
***PDM kit: Pressure Drop Modulation kit**
When the outdoor unit is below the indoor unit & the level differences are 40m or more, contact your local dealer for more information.
※ In case you want to know more information regarding capacity and correction, please refer to capacity table TDB on pvi.samsung.com site.

Premium Compact

Type					DVM S(NEW)	DVM S(NEW)	DVM S(NEW)
Model Name					AM260KXVGGH/EU	AM280KXVGGH/EU	AM300KXVAGH/EU
	Outdoor unit module 1				AM260KXVGGH/EU	AM280KXVGGH/EU	AM300KXVAGH/EU
	Outdoor unit module 2				-	-	-
	Outdoor unit module 3				-	-	-
	Outdoor unit module 4				-	-	-
Power Supply				Φ, #, V, Hz	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
Mode				-	HEAT PUMP	HEAT PUMP	HEAT PUMP
Performance	HP			HP	26	28	30
	Capacity (Nominal)	Cooling		kW	72.80	78.60	84.00
				Btu/h	248,400	268,200	286,600
		Heating		kW	81.90	88.20	94.50
				Btu/h	279,500	301,000	322,400
	Total capacity of the connected Indoor Units 3)	Min.		kW	36.4	39.3	42.0
		Max.		kW	94.6	102.2	109.2
Power	Power Input (Nominal)	Cooling 1)		kW	17.33	19.65	22.70
		Heating 2)			17.06	18.77	20.59
	Current Input (Nominal)	Cooling 1)		A	27.80	31.50	36.40
		Heating 2)			27.40	30.10	33.00
	Current	Minimum Ssc value		MVA	12.2	13.6	14.8
		MCA(Minimum Circuit Amps)		A	**60.0**	**67.0**	**73.0**
		MFA/MOP(Maximum Fuse Amps)		A	**75.0**	**75.0**	**80.0**
		TOCA(Total Over Current Amps)		A	63.0	70.4	76.7
		FLA Total(Full Load Amps)		A	3.8	3.8	3.8
Capacity Control		Method		-	Inverter controlled	Inverter controlled	Inverter controlled
COP	Nominal Cooling 1)			W/W	4.20	4.00	3.70
	Nominal Heating 2)			W/W	4.80	4.70	4.59
	ESEER			W/W	7.17	6.86	6.65
Casing	Color			-	Earth brown	Earth brown	Earth brown
	Material			-	Painted galvanized steel plate	Painted galvanized steel plate	Painted galvanized steel plate
Heat exchanger	Type			-	Fin & Tube	Fin & Tube	Fin & Tube
	Fin	Treatment		-	Anti-corrosion treatment	Anti-corrosion treatment	Anti-corrosion treatment
Compressor	Type			-	SSC Scroll	SSC Scroll	SSC Scroll
	Output			kW × n	(7.81)x2	(7.81)x2	(7.81)x2
	Model Name			-	DS4GJ5080FVA x 2	DS4GJ5080FVA x 2	DS4GJ5080FVA x 2
	Oil	Type		-	PVE	PVE	PVE
		Initial Charge		cc	2800	2800	2800
Fan	Type			-	Propeller	Propeller	Propeller
	Discharge direction			-	Top	Top	Top
	Quantity			ea	2	2	2
	Air Flow Rate			m^3/min	340	340	340
				l/s	5,666.67	5,666.67	5,666.67
	External Static Pressure		Max.	mmAq	8.00	8.00	8.00
				Pa	78.45	78.45	78.45
Fan Motor	Model			-	BrushLess DC Motor	BrushLess DC Motor	BrushLess DC Motor
	Output x n			W	620.0 x 2	620.0 x 2	620.0 x 2
Piping Connections	Liquid Pipe			Type	Braze connection	Braze connection	Braze connection
				Φ, mm	19.05	19.05	19.05
				Φ, inch	3/4"	3/4"	3/4"
	Gas Pipe			Type	Braze connection	Braze connection	Braze connection
				Φ, mm	34.92	34.92	34.92
				Φ, inch	1 3/8"	1 3/8"	1 3/8"
	Heat insulation			-	Both liquid and gas pipes	Both liquid and gas pipes	Both liquid and gas pipes
	Discharge Gas Pipe			Φ, mm	-	-	-
				Φ, inch	-	-	-
	Piping length	ODU-IDU	Max.	m	200(220)	200(220)	200(220)
		After branch	Max.	m	90	90	90
	Total piping length	System	Actual	m	1000	1000	1000
	Level difference	ODU-IDU	Outdoor unit in highest position	m	110	110	110
			Indoor unit in highest position	m	110	110	110
		IDU-IDU	Max.	m	50	50	50
Maximum number of connectable indoor units				ea	47	51	54
Wiring connections	For power supply	Quantity		ea	5	5	5
	For connection with indoor	Minimum		mm2	0.75	0.75	0.75
		Remark		-	F1, F2	F1, F2	F1, F2
	Power supply intake			-	Both indoor and outdoor unit	Both indoor and outdoor unit	Both indoor and outdoor unit
Refrigerant	Type			-	R410A	R410A	R410A
	Factory Charging			kg	14.00	14.00	14.00
Sound	Sound Pressure		Cooling	dB(A)	69	69	69
			Heating		71	71	71
	Sound Power		Nominal		90	90	90

Premium Compact

Model Name				AM260KXVGGH/EU	AM280KXVGGH/EU	AM300KXVAGH/EU
External Dimension	Net Weight		kg	350.0	350.0	350.0
	Shipping Weight		kg	372.0	372.0	372.0
	Net Dimensions (WxHxD)		mm	1,295 x 1,795 x 765	1,295 x 1,795 x 765	1,295 x 1,795 x 765
	Shipping Dimensions (WxHxD)		mm	1,363 x 1,987 x 832	1,363 x 1,987 x 832	1,363 x 1,987 x 832
Operating Temp. Range	Cooling		℃	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0
	Heating		℃	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0
Defrost	Method		-	Reversed cycle	Reversed cycle	Reversed cycle
Safety devices	Item	1	-	High pressure switch	High pressure switch	High pressure switch
		2	-	Fan driver overload protector	Fan driver overload protector	Fan driver overload protector
		3	-	Inverter overload protector	Inverter overload protector	Inverter overload protector
		4	-	PC board fuse	PC board fuse	PC board fuse

*** Specification may be subject to change without prior notice.**
Specification comply with EN14511.

1) Nominal cooling capacities are based on;
- Indoor temperature : 27°C DB, 19°C WB
- Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m
2) 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
3) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
4) Sound pressure level is obtained in an anechoic room
- Sound pressure level is a relative value, depending on the distance and acoustic environment.
- Sound pressure level may differ depending on operation condition.
- dBA = A-weighted sound pressure level
- Reference acoustic pressure 0 dB = 20uPa
5) Sound power level is an absolute value that a sound source generates.
- dBA = A-weighted sound power level
- Reference power : 1pW
- Measured according to ISO 3741
6) Sound values of multi combination are theoretical values based on sound results of individual installed units.
7) These products contain R410A which is fluorinated greenhouse gas.
8) 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 by PDM kit installation Guide software whether the PDM kit should be installed or not.)
***PDM kit: Pressure Drop Modulation kit**
When the outdoor unit is below the indoor unit & the level differences are 40m or more, contact your local dealer for more information.
※ In case you want to know more information regarding capacity and correction, please refer to capacity table TDB on pvi.samsung.com site.

Premium Compact

Type					DVM S(NEW)	DVM S(NEW)	DVM S(NEW)
Model Name					AM320KXVGGH1EU	AM340KXVGGH1EU	AM360KXVGGH1EU
	Outdoor unit module 1				AM120JXVHGH/EU	AM120JXVHGH/EU	AM140KXVGGH/EU
	Outdoor unit module 2				AM200KXVGGH/EU	AM220KXVGGH/EU	AM220KXVGGH/EU
	Outdoor unit module 3				-	-	-
	Outdoor unit module 4				-	-	-
Power Supply				Φ, #, V, Hz	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
Mode				-	HEAT PUMP	HEAT PUMP	HEAT PUMP
Performance	HP			HP	32	34	36
	Capacity (Nominal)	Cooling		kW	89.60	95.20	101.60
				Btu/h	305,700	324,800	346,700
		Heating		kW	100.80	107.10	114.30
				Btu/h	343,900	365,400	390,000
	Total capacity of the connected Indoor Units 3)	Min.		kW	45.2	47.7	50.8
		Max.		kW	117.5	124.0	132.1
Power	Power Input (Nominal)	Cooling 1)		kW	20.07	23.32	24.64
		Heating 2)			20.31	23.42	25.48
	Current Input (Nominal)	Cooling 1)		A	32.10	37.40	39.60
		Heating 2)			32.60	37.50	40.80
	Current	Minimum Ssc value		MVA	13.8	14.3	14.2
		MCA(Minimum Circuit Amps)		A	**67.0**	**69.6**	**69.6**
		MFA/MOP(Maximum Fuse Amps)		A	**80.0**	**80.0**	**80.0**
		TOCA(Total Over Current Amps)		A	70.4	73.1	73.1
		FLA Total(Full Load Amps)		A	6.2	6.2	7.6
Capacity Control		Method		-	Inverter controlled	Inverter controlled	Inverter controlled
COP	Nominal Cooling 1)			W/W	4.46	4.08	4.12
	Nominal Heating 2)			W/W	4.96	4.57	4.49
	ESEER			W/W	6.97	6.71	6.96
Casing	Color			-	Earth brown	Earth brown	Earth brown
	Material			-	Painted galvanized steel plate	Painted galvanized steel plate	Painted galvanized steel plate
Heat exchanger	Type			-	Fin & Tube	Fin & Tube	Fin & Tube
	Fin	Treatment		-	Anti-corrosion treatment	Anti-corrosion treatment	Anti-corrosion treatment
Compressor	Type			-	SSC Scroll	SSC Scroll	SSC Scroll
	Output			kW × n	(6.39x2) + (6.39)	(6.39x2) + (6.39)	(6.39) + (6.39x2)
	Model Name			-	DS-GB066FAVB x 2 + DS-GB066FAVBSG x 1	DS-GB066FAVB x 2 + DS-GB066FAVBSG x 1	DS-GB066FAVB x 3
	Oil	Type		-	PVE	PVE	PVE
		Initial Charge		cc	3300	3300	3300
Fan	Type			-	Propeller	Propeller	Propeller
	Discharge direction			-	Top	Top	Top
	Quantity			ea	3	3	4
	Air Flow Rate			m^3/min	290 + 220	290 + 220	255 + 290
				l/s	4,833.33 + 3,666.67	4,833.33 + 3,666.67	4,250.00 + 4,833.33
	External Static Pressure		Max.	mmAq	8.00	8.00	8.00
				Pa	78.45	78.45	78.45
Fan Motor	Model			-	BrushLess DC Motor	BrushLess DC Motor	BrushLess DC Motor
	Output x n			W	620.0 x 2 + 830.0 x 1	620.0 x 2 + 830.0 x 1	(620.0 x 2) x 2
Piping Connections	Liquid Pipe			Type	Braze connection	Braze connection	Braze connection
				Φ, mm	19.05	19.05	19.05
				Φ, inch	3/4"	3/4"	3/4"
	Gas Pipe			Type	Braze connection	Braze connection	Braze connection
				Φ, mm	34.92	34.92	41.28
				Φ, inch	1 3/8"	1 3/8"	1 5/8"
	Heat insulation			-	Both liquid and gas pipes	Both liquid and gas pipes	Both liquid and gas pipes
	Discharge Gas Pipe			Φ, mm	-	-	-
				Φ, inch	-	-	-
	Piping length	ODU-IDU	Max.	m	200(220)	200(220)	200(220)
		After branch	Max.	m	90	90	90
	Total piping length	System	Actual	m	1000	1000	1000
	Level difference	ODU-IDU	Outdoor unit in highest position	m	110	110	110
			Indoor unit in highest position	m	110	110	110
		IDU-IDU	Max.	m	50	50	50
Maximum number of connectable indoor units				ea	58	61	64
Wiring connections	For power supply	Quantity		ea	5	5	5
	For connection with indoor	Minimum		mm2	0.75	0.75	0.75
		Remark		-	F1, F2	F1, F2	F1, F2
	Power supply intake			-	Both indoor and outdoor unit	Both indoor and outdoor unit	Both indoor and outdoor unit
Refrigerant	Type			-	R410A	R410A	R410A
	Factory Charging			kg	14.90	14.90	17.80
Sound	Sound Pressure		Cooling	dB(A)	67	67	66
			Heating		69	69	68
	Sound Power		Nominal		90	90	90

Premium Compact

Model Name				AM320KXVGGH1EU	AM340KXVGGH1EU	AM360KXVGGH1EU
External Dimension	Net Weight		kg	285.0 + 195.5	285.0 + 195.5	241.0 + 285.0
	Shipping Weight		kg	305.0 + 211.5	305.0 + 211.5	261.0 + 305.0
	Net Dimensions (WxHxD)		mm	1,295 x 1,695 x 765 + 880 x 1,695 x 765	1,295 x 1,695 x 765 + 880 x 1,695 x 765	(1,295 x 1,695 x 765) x 2
	Shipping Dimensions (WxHxD)		mm	1,363 x 1,887 x 832 + 948 x 1,887 x 832	1,363 x 1,887 x 832 + 948 x 1,887 x 832	(1,363 x 1,887 x 832) x 2
Operating Temp. Range	Cooling		℃	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0
	Heating		℃	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0
Defrost	Method		-	Reversed cycle	Reversed cycle	Reversed cycle
Safety devices	Item	1	-	High pressure switch	High pressure switch	High pressure switch
		2	-	Fan driver overload protector	Fan driver overload protector	Fan driver overload protector
		3	-	Inverter overload protector	Inverter overload protector	Inverter overload protector
		4	-	PC board fuse	PC board fuse	PC board fuse

*** Specification may be subject to change without prior notice.**
Specification comply with EN14511.

1) Nominal cooling capacities are based on;
- Indoor temperature : 27°C DB, 19°C WB
- Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m
2) 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
3) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
4) Sound pressure level is obtained in an anechoic room
- Sound pressure level is a relative value, depending on the distance and acoustic environment.
- Sound pressure level may differ depending on operation condition.
- dBA = A-weighted sound pressure level
- Reference acoustic pressure 0 dB = 20uPa
5) Sound power level is an absolute value that a sound source generates.
- dBA = A-weighted sound power level
- Reference power : 1pW
- Measured according to ISO 3741
6) Sound values of multi combination are theoretical values based on sound results of individual installed units.
7) These products contain R410A which is fluorinated greenhouse gas.
8) 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 by PDM kit installation Guide software whether the PDM kit should be installed or not.)
***PDM kit: Pressure Drop Modulation kit**
When the outdoor unit is below the indoor unit & the level differences are 40m or more, contact your local dealer for more information.
※ In case you want to know more information regarding capacity and correction, please refer to capacity table TDB on pvi.samsung.com site.

Premium Compact

Type					DVM S(NEW)	DVM S(NEW)	DVM S(NEW)
Model Name					AM380KXVGGH1EU	AM400KXVGGH1EU	AM420KXVGGH1EU
	Outdoor unit module 1				AM160KXVGGH/EU	AM180KXVGGH/EU	AM200KXVGGH/EU
	Outdoor unit module 2				AM220KXVGGH/EU	AM220KXVGGH/EU	AM220KXVGGH/EU
	Outdoor unit module 3				-	-	-
	Outdoor unit module 4				-	-	-
Power Supply				Φ, #, V, Hz	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
Mode				-	HEAT PUMP	HEAT PUMP	HEAT PUMP
Performance	HP			HP	38	40	42
	Capacity (Nominal)	Cooling		kW	106.60	112.00	117.60
				Btu/h	363,700	382,200	401,300
		Heating		kW	119.70	126.00	132.30
				Btu/h	408,400	429,900	451,400
	Total capacity of the connected Indoor Units 3)	Min.		kW	53.3	56.0	58.8
		Max.		kW	138.6	145.6	152.9
Power	Power Input (Nominal)	Cooling 1)		kW	26.67	26.43	28.25
		Heating 2)			26.61	26.38	28.61
	Current Input (Nominal)	Cooling 1)		A	42.80	42.40	45.30
		Heating 2)			42.60	42.30	45.90
	Current	Minimum Ssc value		MVA	16.0	17.5	16.7
		MCA(Minimum Circuit Amps)		A	**76.6**	**83.8**	**86.6**
		MFA/MOP(Maximum Fuse Amps)		A	**90.0**	**100.0**	**100.0**
		TOCA(Total Over Current Amps)		A	80.4	88.0	90.9
		FLA Total(Full Load Amps)		A	7.6	7.6	7.6
Capacity Control		Method		-	Inverter controlled	Inverter controlled	Inverter controlled
COP	Nominal Cooling 1)			W/W	4.00	4.24	4.16
	Nominal Heating 2)			W/W	4.50	4.78	4.62
	ESEER			W/W	6.83	6.8	6.62
Casing	Color			-	Earth brown	Earth brown	Earth brown
	Material			-	Painted galvanized steel plate	Painted galvanized steel plate	Painted galvanized steel plate
Heat exchanger	Type			-	Fin & Tube	Fin & Tube	Fin & Tube
	Fin	Treatment		-	Anti-corrosion treatment	Anti-corrosion treatment	Anti-corrosion treatment
Compressor	Type			-	SSC Scroll	SSC Scroll	SSC Scroll
	Output			kW × n	(7.81) + (6.39x2)	(6.39x2) + (6.39x2)	(6.39x2) + (6.39x2)
	Model Name			-	DS4GJ5080FVA x 1 + DS-GB066FAVB x 2	DS-GB066FAVB x 4	DS-GB066FAVB x 4
	Oil	Type		-	PVE	PVE	PVE
		Initial Charge		cc	3600	4400	4400
Fan	Type			-	Propeller	Propeller	Propeller
	Discharge direction			-	Top	Top	Top
	Quantity			ea	4	4	4
	Air Flow Rate			m^3/min	255 + 290	290 x 2	290 x 2
				l/s	4,250.00 + 4,833.33	4,833.33 x 2	4,833.33 x 2
	External Static Pressure		Max.	mmAq	8.00	8.00	8.00
				Pa	78.45	78.45	78.45
Fan Motor	Model			-	BrushLess DC Motor	BrushLess DC Motor	BrushLess DC Motor
	Output x n			W	(620.0 x 2) x 2	(620.0 x 2) x 2	(620.0 x 2) x 2
Piping Connections	Liquid Pipe			Type	Braze connection	Braze connection	Braze connection
				Φ, mm	19.05	19.05	19.05
				Φ, inch	3/4"	3/4"	3/4"
	Gas Pipe			Type	Braze connection	Braze connection	Braze connection
				Φ, mm	41.28	41.28	41.28
				Φ, inch	1 5/8"	1 5/8"	1 5/8"
	Heat insulation			-	Both liquid and gas pipes	Both liquid and gas pipes	Both liquid and gas pipes
	Discharge Gas Pipe			Φ, mm	-	-	-
				Φ, inch	-	-	-
	Piping length	ODU-IDU	Max.	m	200(220)	200(220)	200(220)
		After branch	Max.	m	90	90	90
	Total piping length	System	Actual	m	1000	1000	1000
	Level difference	ODU-IDU	Outdoor unit in highest position	m	110	110	110
			Indoor unit in highest position	m	110	110	110
		IDU-IDU	Max.	m	50	50	50
Maximum number of connectable indoor units				ea	64	64	64
Wiring connections	For power supply	Quantity		ea	5	5	5
	For connection with indoor	Minimum		mm2	0.75	0.75	0.75
		Remark		-	F1, F2	F1, F2	F1, F2
	Power supply intake			-	Both indoor and outdoor unit	Both indoor and outdoor unit	Both indoor and outdoor unit
Refrigerant	Type			-	R410A	R410A	R410A
	Factory Charging			kg	16.80	16.80	16.80
Sound	Sound Pressure		Cooling	dB(A)	67	68	68
			Heating		69	70	70
	Sound Power		Nominal		90	92	92

Premium Compact

Model Name				AM380KXVGGH1EU	AM400KXVGGH1EU	AM420KXVGGH1EU
External Dimension	Net Weight		kg	255.0 + 285.0	285.0 x 2	285.0 x 2
	Shipping Weight		kg	275.0 + 305.0	305.0 x 2	305.0 x 2
	Net Dimensions (WxHxD)		mm	(1,295 x 1,695 x 765) x 2	(1,295 x 1,695 x 765) x 2	(1,295 x 1,695 x 765) x 2
	Shipping Dimensions (WxHxD)		mm	(1,363 x 1,887 x 832) x 2	(1,363 x 1,887 x 832) x 2	(1,363 x 1,887 x 832) x 2
Operating Temp. Range	Cooling		℃	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0
	Heating		℃	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0
Defrost	Method		-	Reversed cycle	Reversed cycle	Reversed cycle
Safety devices	Item	1	-	High pressure switch	High pressure switch	High pressure switch
		2	-	Fan driver overload protector	Fan driver overload protector	Fan driver overload protector
		3	-	Inverter overload protector	Inverter overload protector	Inverter overload protector
		4	-	PC board fuse	PC board fuse	PC board fuse

*** Specification may be subject to change without prior notice.**
Specification comply with EN14511.

1) Nominal cooling capacities are based on;
- Indoor temperature : 27°C DB, 19°C WB
- Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m
2) 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
3) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
4) Sound pressure level is obtained in an anechoic room
- Sound pressure level is a relative value, depending on the distance and acoustic environment.
- Sound pressure level may differ depending on operation condition.
- dBA = A-weighted sound pressure level
- Reference acoustic pressure 0 dB = 20uPa
5) Sound power level is an absolute value that a sound source generates.
- dBA = A-weighted sound power level
- Reference power : 1pW
- Measured according to ISO 3741
6) Sound values of multi combination are theoretical values based on sound results of individual installed units.
7) These products contain R410A which is fluorinated greenhouse gas.
8) 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 by PDM kit installation Guide software whether the PDM kit should be installed or not.)
***PDM kit: Pressure Drop Modulation kit**
When the outdoor unit is below the indoor unit & the level differences are 40m or more, contact your local dealer for more information.
※ In case you want to know more information regarding capacity and correction, please refer to capacity table TDB on pvi.samsung.com site.

Premium Compact

Type					DVM S(NEW)	DVM S(NEW)	DVM S(NEW)
Model Name					AM440KXVGGH2/EU	AM460KXVGGH1EU	AM480KXVGGH1EU
	Outdoor unit module 1				AM140KXVGGH/EU	AM160KXVGGH/EU	AM180KXVGGH/EU
	Outdoor unit module 2				AM300KXVAGH/EU	AM300KXVAGH/EU	AM300KXVAGH/EU
	Outdoor unit module 3				-	-	-
	Outdoor unit module 4				-	-	-
Power Supply				Φ, #, V, Hz	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
Mode				-	HEAT PUMP	HEAT PUMP	HEAT PUMP
Performance	HP			HP	44	46	48
	Capacity (Nominal)	Cooling		kW	124.00	129.00	134.40
				Btu/h	423,100	440,200	458,600
		Heating		kW	139.50	144.90	151.20
				Btu/h	476,000	494,400	515,900
	Total capacity of the connected Indoor Units 3)	Min.		kW	62.0	64.5	67.2
		Max.		kW	161.2	167.7	174.7
Power	Power Input (Nominal)	Cooling 1)		kW	31.59	33.62	33.38
		Heating 2)			30.21	31.34	31.11
	Current Input (Nominal)	Cooling 1)		A	50.70	53.90	53.50
		Heating 2)			48.40	50.20	49.90
	Current	Minimum Ssc value		MVA	20.4	22.4	23.9
		MCA(Minimum Circuit Amps)		A	**98.0**	**105.0**	**112.2**
		MFA/MOP(Maximum Fuse Amps)		A	**125.0**	**125.0**	**125.0**
		TOCA(Total Over Current Amps)		A	102.9	110.3	117.8
		FLA Total(Full Load Amps)		A	7.6	7.6	7.6
Capacity Control		Method		-	Inverter controlled	Inverter controlled	Inverter controlled
COP	Nominal Cooling 1)			W/W	3.93	3.84	4.03
	Nominal Heating 2)			W/W	4.62	4.62	4.86
	ESEER			W/W	7.01	6.9	6.88
Casing	Color			-	Earth brown	Earth brown	Earth brown
	Material			-	Painted galvanized steel plate	Painted galvanized steel plate	Painted galvanized steel plate
Heat exchanger	Type			-	Fin & Tube	Fin & Tube	Fin & Tube
	Fin	Treatment		-	Anti-corrosion treatment	Anti-corrosion treatment	Anti-corrosion treatment
Compressor	Type			-	SSC Scroll	SSC Scroll	SSC Scroll
	Output			kW × n	(6.39) + (7.81x2)	(7.81) + (7.81x2)	(6.39x2) + (7.81x2)
	Model Name			-	DS-GB066FAVB x 1 + DS4GJ5080FVA x 2	DS4GJ5080FVA x 3	DS-GB066FAVB x 2 + DS4GJ5080FVA x 2
	Oil	Type		-	PVE	PVE	PVE
		Initial Charge		cc	3900	4200	5000
Fan	Type			-	Propeller	Propeller	Propeller
	Discharge direction			-	Top	Top	Top
	Quantity			ea	4	4	4
	Air Flow Rate			m^3/min	255 + 340	255 + 340	290 + 340
				l/s	4,250.00 + 5,666.67	4,250.00 + 5,666.67	4,833.33 + 5,666.67
	External Static Pressure		Max.	mmAq	8.00	8.00	8.00
				Pa	78.45	78.45	78.45
Fan Motor	Model			-	BrushLess DC Motor	BrushLess DC Motor	BrushLess DC Motor
	Output x n			W	(620.0 x 2) x 2	(620.0 x 2) x 2	(620.0 x 2) x 2
Piping Connections	Liquid Pipe			Type	Braze connection	Braze connection	Braze connection
				Φ, mm	19.05	19.05	19.05
				Φ, inch	3/4"	3/4"	3/4"
	Gas Pipe			Type	Braze connection	Braze connection	Braze connection
				Φ, mm	41.28	41.28	41.28
				Φ, inch	1 5/8"	1 5/8"	1 5/8"
	Heat insulation			-	Both liquid and gas pipes	Both liquid and gas pipes	Both liquid and gas pipes
	Discharge Gas Pipe			Φ, mm	-	-	-
				Φ, inch	-	-	-
	Piping length	ODU-IDU	Max.	m	200(220)	200(220)	200(220)
		After branch	Max.	m	90	90	90
	Total piping length	System	Actual	m	1000	1000	1000
	Level difference	ODU-IDU	Outdoor unit in highest position	m	110	110	110
			Indoor unit in highest position	m	110	110	110
		IDU-IDU	Max.	m	50	50	50
Maximum number of connectable indoor units				ea	64	64	64
Wiring connections	For power supply	Quantity		ea	5	5	5
	For connection with indoor	Minimum		mm2	0.75	0.75	0.75
		Remark		-	F1, F2	F1, F2	F1, F2
	Power supply intake			-	Both indoor and outdoor unit	Both indoor and outdoor unit	Both indoor and outdoor unit
Refrigerant	Type			-	R410A	R410A	R410A
	Factory Charging			kg	23.40	22.40	22.40
Sound	Sound Pressure		Cooling	dB(A)	70	70	70
			Heating		72	72	72
	Sound Power		Nominal		91	91	93

Premium Compact

Model Name				AM440KXVGGH2/EU	AM460KXVGGH1EU	AM480KXVGGH1EU
External Dimension	Net Weight		kg	241.0 + 350.0	255.0 + 350.0	285.0 + 350.0
	Shipping Weight		kg	261.0 + 372.0	275.0 + 372.0	305.0 + 372.0
	Net Dimensions (WxHxD)		mm	1,295 x 1,695 x 765 + 1,295 x 1,795 x 765	1,295 x 1,695 x 765 + 1,295 x 1,795 x 765	1,295 x 1,695 x 765 + 1,295 x 1,795 x 765
	Shipping Dimensions (WxHxD)		mm	1,363 x 1,887 x 832 + 1,363 x 1,987 x 832	1,363 x 1,887 x 832 + 1,363 x 1,987 x 832	1,363 x 1,887 x 832 + 1,363 x 1,987 x 832
Operating Temp. Range	Cooling		℃	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0
	Heating		℃	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0
Defrost	Method		-	Reversed cycle	Reversed cycle	Reversed cycle
Safety devices	Item	1	-	High pressure switch	High pressure switch	High pressure switch
		2	-	Fan driver overload protector	Fan driver overload protector	Fan driver overload protector
		3	-	Inverter overload protector	Inverter overload protector	Inverter overload protector
		4	-	PC board fuse	PC board fuse	PC board fuse

*** Specification may be subject to change without prior notice.**
Specification comply with EN14511.

1) Nominal cooling capacities are based on;
- Indoor temperature : 27°C DB, 19°C WB
- Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m
2) 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
3) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
4) Sound pressure level is obtained in an anechoic room
- Sound pressure level is a relative value, depending on the distance and acoustic environment.
- Sound pressure level may differ depending on operation condition.
- dBA = A-weighted sound pressure level
- Reference acoustic pressure 0 dB = 20uPa
5) Sound power level is an absolute value that a sound source generates.
- dBA = A-weighted sound power level
- Reference power : 1pW
- Measured according to ISO 3741
6) Sound values of multi combination are theoretical values based on sound results of individual installed units.
7) These products contain R410A which is fluorinated greenhouse gas.
8) 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 by PDM kit installation Guide software whether the PDM kit should be installed or not.)
***PDM kit: Pressure Drop Modulation kit**
When the outdoor unit is below the indoor unit & the level differences are 40m or more, contact your local dealer for more information.
※ In case you want to know more information regarding capacity and correction, please refer to capacity table TDB on pvi.samsung.com site.

Premium Compact

Type					DVM S(NEW)	DVM S(NEW)	DVM S(NEW)
Model Name					AM500KXVGGH1EU	AM520KXVGGH1EU	AM540KXVGGH1EU
	Outdoor unit module 1				AM200KXVGGH/EU	AM220KXVGGH/EU	AM240KXVGGH/EU
	Outdoor unit module 2				AM300KXVAGH/EU	AM300KXVAGH/EU	AM300KXVAGH/EU
	Outdoor unit module 3				-	-	-
	Outdoor unit module 4				-	-	-
Power Supply				Φ, #, V, Hz	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
Mode				-	HEAT PUMP	HEAT PUMP	HEAT PUMP
Performance	HP			HP	50	52	54
	Capacity (Nominal)	Cooling		kW	140.00	145.60	151.20
				Btu/h	477,700	496,800	515,900
		Heating		kW	157.50	163.80	170.10
				Btu/h	537,400	558,900	580,400
	Total capacity of the connected Indoor Units 3)	Min.		kW	70.0	72.8	75.6
		Max.		kW	182.0	189.3	196.6
Power	Power Input (Nominal)	Cooling 1)		kW	35.20	38.45	38.70
		Heating 2)			33.34	36.45	36.02
	Current Input (Nominal)	Cooling 1)		A	56.40	61.70	62.10
		Heating 2)			53.50	58.40	57.70
	Current	Minimum Ssc value		MVA	22.8	23.3	27.6
		MCA(Minimum Circuit Amps)		A	**115.0**	**117.6**	**128.0**
		MFA/MOP(Maximum Fuse Amps)		A	**150.0**	**150.0**	**150.0**
		TOCA(Total Over Current Amps)		A	120.8	123.5	134.4
		FLA Total(Full Load Amps)		A	7.6	7.6	7.6
Capacity Control		Method		-	Inverter controlled	Inverter controlled	Inverter controlled
COP	Nominal Cooling 1)			W/W	3.98	3.79	3.91
	Nominal Heating 2)			W/W	4.72	4.49	4.72
	ESEER			W/W	6.72	6.56	6.89
Casing	Color			-	Earth brown	Earth brown	Earth brown
	Material			-	Painted galvanized steel plate	Painted galvanized steel plate	Painted galvanized steel plate
Heat exchanger	Type			-	Fin & Tube	Fin & Tube	Fin & Tube
	Fin	Treatment		-	Anti-corrosion treatment	Anti-corrosion treatment	Anti-corrosion treatment
Compressor	Type			-	SSC Scroll	SSC Scroll	SSC Scroll
	Output			kW × n	(6.39x2) + (7.81x2)	(6.39x2) + (7.81x2)	(6.76x2) + (7.81x2)
	Model Name			-	DS-GB066FAVB x 2 + DS4GJ5080FVA x 2	DS-GB066FAVB x 2 + DS4GJ5080FVA x 2	DS-GB070FAVA x 2 + DS4GJ5080FVA x 2
	Oil	Type		-	PVE	PVE	PVE
		Initial Charge		cc	5000	5000	5000
Fan	Type			-	Propeller	Propeller	Propeller
	Discharge direction			-	Top	Top	Top
	Quantity			ea	4	4	4
	Air Flow Rate			m^3/min	290 + 340	290 + 340	340 x 2
				l/s	4,833.33 + 5,666.67	4,833.33 + 5,666.67	5,666.67 x 2
	External Static Pressure		Max.	mmAq	8.00	8.00	8.00
				Pa	78.45	78.45	78.45
Fan Motor	Model			-	BrushLess DC Motor	BrushLess DC Motor	BrushLess DC Motor
	Output x n			W	(620.0 x 2) x 2	(620.0 x 2) x 2	(620.0 x 2) x 2
Piping Connections	Liquid Pipe			Type	Braze connection	Braze connection	Braze connection
				Φ, mm	19.05	19.05	19.05
				Φ, inch	3/4"	3/4"	3/4"
	Gas Pipe			Type	Braze connection	Braze connection	Braze connection
				Φ, mm	41.28	41.28	41.28
				Φ, inch	1 5/8"	1 5/8"	1 5/8"
	Heat insulation			-	Both liquid and gas pipes	Both liquid and gas pipes	Both liquid and gas pipes
	Discharge Gas Pipe			Φ, mm	-	-	-
				Φ, inch	-	-	-
	Piping length	ODU-IDU	Max.	m	200(220)	200(220)	200(220)
		After branch	Max.	m	90	90	90
	Total piping length	System	Actual	m	1000	1000	1000
	Level difference	ODU-IDU	Outdoor unit in highest position	m	110	110	110
			Indoor unit in highest position	m	110	110	110
		IDU-IDU	Max.	m	50	50	50
Maximum number of connectable indoor units				ea	64	64	64
Wiring connections	For power supply	Quantity		ea	5	5	5
	For connection with indoor	Minimum		mm2	0.75	0.75	0.75
		Remark		-	F1, F2	F1, F2	F1, F2
	Power supply intake			-	Both indoor and outdoor unit	Both indoor and outdoor unit	Both indoor and outdoor unit
Refrigerant	Type			-	R410A	R410A	R410A
	Factory Charging			kg	22.40	22.40	28.00
Sound	Sound Pressure		Cooling	dB(A)	70	70	72
			Heating		72	72	74
	Sound Power		Nominal		93	93	93

Premium Compact

Model Name				AM500KXVGGH1EU	AM520KXVGGH1EU	AM540KXVGGH1EU
External Dimension	Net Weight		kg	285.0 + 350.0	285.0 + 350.0	342.0 + 350.0
	Shipping Weight		kg	305.0 + 372.0	305.0 + 372.0	364.0 + 372.0
	Net Dimensions (WxHxD)		mm	1,295 x 1,695 x 765 + 1,295 x 1,795 x 765	1,295 x 1,695 x 765 + 1,295 x 1,795 x 765	(1,295 x 1,795 x 765) x 2
	Shipping Dimensions (WxHxD)		mm	1,363 x 1,887 x 832 + 1,363 x 1,987 x 832	1,363 x 1,887 x 832 + 1,363 x 1,987 x 832	(1,363 x 1,987 x 832) x 2
Operating Temp. Range	Cooling		℃	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0
	Heating		℃	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0
Defrost	Method		-	Reversed cycle	Reversed cycle	Reversed cycle
Safety devices	Item	1	-	High pressure switch	High pressure switch	High pressure switch
		2	-	Fan driver overload protector	Fan driver overload protector	Fan driver overload protector
		3	-	Inverter overload protector	Inverter overload protector	Inverter overload protector
		4	-	PC board fuse	PC board fuse	PC board fuse

*** Specification may be subject to change without prior notice.**
Specification comply with EN14511.

1) Nominal cooling capacities are based on;
- Indoor temperature : 27°C DB, 19°C WB
- Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m
2) 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
3) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
4) Sound pressure level is obtained in an anechoic room
- Sound pressure level is a relative value, depending on the distance and acoustic environment.
- Sound pressure level may differ depending on operation condition.
- dBA = A-weighted sound pressure level
- Reference acoustic pressure 0 dB = 20uPa
5) Sound power level is an absolute value that a sound source generates.
- dBA = A-weighted sound power level
- Reference power : 1pW
- Measured according to ISO 3741
6) Sound values of multi combination are theoretical values based on sound results of individual installed units.
7) These products contain R410A which is fluorinated greenhouse gas.
8) 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 by PDM kit installation Guide software whether the PDM kit should be installed or not.)
***PDM kit: Pressure Drop Modulation kit**
When the outdoor unit is below the indoor unit & the level differences are 40m or more, contact your local dealer for more information.
※ In case you want to know more information regarding capacity and correction, please refer to capacity table TDB on pvi.samsung.com site.

Premium Compact

Type					DVM S(NEW)	DVM S(NEW)	DVM S(NEW)
Model Name					AM560KXVGGH2/EU	AM580KXVGGH1EU	AM600KXVGGH1EU
	Outdoor unit module 1				AM260KXVGGH/EU	AM280KXVGGH/EU	AM300KXVAGH/EU
	Outdoor unit module 2				AM300KXVAGH/EU	AM300KXVAGH/EU	AM300KXVAGH/EU
	Outdoor unit module 3				-	-	-
	Outdoor unit module 4				-	-	-
Power Supply				Φ, #, V, Hz	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
Mode				-	HEAT PUMP	HEAT PUMP	HEAT PUMP
Performance	HP			HP	56	58	60
	Capacity (Nominal)	Cooling		kW	156.80	162.60	168.00
				Btu/h	535,000	554,800	573,200
		Heating		kW	176.40	182.70	189.00
				Btu/h	601,900	623,400	644,900
	Total capacity of the connected Indoor Units 3)	Min.		kW	78.4	81.3	84.0
		Max.		kW	203.8	211.4	218.4
Power	Power Input (Nominal)	Cooling 1)		kW	40.03	42.35	45.40
		Heating 2)			37.65	39.36	41.18
	Current Input (Nominal)	Cooling 1)		A	64.20	67.90	72.80
		Heating 2)			60.40	63.10	66.00
	Current	Minimum Ssc value		MVA	27.0	28.4	29.6
		MCA(Minimum Circuit Amps)		A	**133.0**	**140.0**	**146.0**
		MFA/MOP(Maximum Fuse Amps)		A	**150.0**	**175.0**	**175.0**
		TOCA(Total Over Current Amps)		A	139.7	147.0	153.3
		FLA Total(Full Load Amps)		A	7.6	7.6	7.6
Capacity Control		Method		-	Inverter controlled	Inverter controlled	Inverter controlled
COP	Nominal Cooling 1)			W/W	3.92	3.84	3.70
	Nominal Heating 2)			W/W	4.69	4.64	4.59
	ESEER			W/W	6.89	6.75	6.65
Casing	Color			-	Earth brown	Earth brown	Earth brown
	Material			-	Painted galvanized steel plate	Painted galvanized steel plate	Painted galvanized steel plate
Heat exchanger	Type			-	Fin & Tube	Fin & Tube	Fin & Tube
	Fin	Treatment		-	Anti-corrosion treatment	Anti-corrosion treatment	Anti-corrosion treatment
Compressor	Type			-	SSC Scroll	SSC Scroll	SSC Scroll
	Output			kW × n	(7.81x2) + (7.81x2)	(7.81x2) + (7.81x2)	(7.81x2)x2
	Model Name			-	DS4GJ5080FVA x 4	DS4GJ5080FVA x 4	DS4GJ5080FVA x 4
	Oil	Type		-	PVE	PVE	PVE
		Initial Charge		cc	5600	5600	5600
Fan	Type			-	Propeller	Propeller	Propeller
	Discharge direction			-	Top	Top	Top
	Quantity			ea	4	4	4
	Air Flow Rate			m^3/min	340 x 2	340 x 2	340 x 2
				l/s	5,666.67 x 2	5,666.67 x 2	5,666.67 x 2
	External Static Pressure		Max.	mmAq	8.00	8.00	8.00
				Pa	78.45	78.45	78.45
Fan Motor	Model			-	BrushLess DC Motor	BrushLess DC Motor	BrushLess DC Motor
	Output x n			W	(620.0 x 2) x 2	(620.0 x 2) x 2	(620.0 x 2) x 2
Piping Connections	Liquid Pipe			Type	Braze connection	Braze connection	Braze connection
				Φ, mm	19.05	19.05	19.05
				Φ, inch	3/4"	3/4"	3/4"
	Gas Pipe			Type	Braze connection	Braze connection	Braze connection
				Φ, mm	41.28	41.28	41.28
				Φ, inch	1 5/8"	1 5/8"	1 5/8"
	Heat insulation			-	Both liquid and gas pipes	Both liquid and gas pipes	Both liquid and gas pipes
	Discharge Gas Pipe			Φ, mm	-	-	-
				Φ, inch	-	-	-
	Piping length	ODU-IDU	Max.	m	200(220)	200(220)	200(220)
		After branch	Max.	m	90	90	90
	Total piping length	System	Actual	m	1000	1000	1000
	Level difference	ODU-IDU	Outdoor unit in highest position	m	110	110	110
			Indoor unit in highest position	m	110	110	110
		IDU-IDU	Max.	m	50	50	50
Maximum number of connectable indoor units				ea	64	64	64
Wiring connections	For power supply	Quantity		ea	5	5	5
	For connection with indoor	Minimum		mm2	0.75	0.75	0.75
		Remark		-	F1, F2	F1, F2	F1, F2
	Power supply intake			-	Both indoor and outdoor unit	Both indoor and outdoor unit	Both indoor and outdoor unit
Refrigerant	Type			-	R410A	R410A	R410A
	Factory Charging			kg	28.00	28.00	28.00
Sound	Sound Pressure		Cooling	dB(A)	72	72	72
			Heating		74	74	74
	Sound Power		Nominal		93	93	93

Premium Compact

Model Name				AM560KXVGGH2/EU	AM580KXVGGH1EU	AM600KXVGGH1EU
External Dimension	Net Weight		kg	350.0 x 2	350.0 x 2	350.0 x 2
	Shipping Weight		kg	372.0 x 2	372.0 x 2	372.0 x 2
	Net Dimensions (WxHxD)		mm	(1,295 x 1,795 x 765) x 2	(1,295 x 1,795 x 765) x 2	(1,295 x 1,795 x 765) x 2
	Shipping Dimensions (WxHxD)		mm	(1,363 x 1,987 x 832) x 2	(1,363 x 1,987 x 832) x 2	(1,363 x 1,987 x 832) x 2
Operating Temp. Range	Cooling		℃	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0
	Heating		℃	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0
Defrost	Method		-	Reversed cycle	Reversed cycle	Reversed cycle
Safety devices	Item	1	-	High pressure switch	High pressure switch	High pressure switch
		2	-	Fan driver overload protector	Fan driver overload protector	Fan driver overload protector
		3	-	Inverter overload protector	Inverter overload protector	Inverter overload protector
		4	-	PC board fuse	PC board fuse	PC board fuse

*** Specification may be subject to change without prior notice.**
Specification comply with EN14511.

1) Nominal cooling capacities are based on;
- Indoor temperature : 27°C DB, 19°C WB
- Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m
2) 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
3) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
4) Sound pressure level is obtained in an anechoic room
- Sound pressure level is a relative value, depending on the distance and acoustic environment.
- Sound pressure level may differ depending on operation condition.
- dBA = A-weighted sound pressure level
- Reference acoustic pressure 0 dB = 20uPa
5) Sound power level is an absolute value that a sound source generates.
- dBA = A-weighted sound power level
- Reference power : 1pW
- Measured according to ISO 3741
6) Sound values of multi combination are theoretical values based on sound results of individual installed units.
7) These products contain R410A which is fluorinated greenhouse gas.
8) 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 by PDM kit installation Guide software whether the PDM kit should be installed or not.)
***PDM kit: Pressure Drop Modulation kit**
When the outdoor unit is below the indoor unit & the level differences are 40m or more, contact your local dealer for more information.
※ In case you want to know more information regarding capacity and correction, please refer to capacity table TDB on pvi.samsung.com site.

Premium Compact

Type					DVM S(NEW)	DVM S(NEW)	DVM S(NEW)
Model Name					AM620KXVGGH1EU	AM640KXVGGH1EU	AM660KXVGGH1EU
	Outdoor unit module 1				AM120JXVHGH/EU	AM120JXVHGH/EU	AM140KXVGGH/EU
	Outdoor unit module 2				AM200KXVGGH/EU	AM220KXVGGH/EU	AM220KXVGGH/EU
	Outdoor unit module 3				AM300KXVAGH/EU	AM300KXVAGH/EU	AM300KXVAGH/EU
	Outdoor unit module 4				-	-	-
Power Supply				Φ, #, V, Hz	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
Mode				-	HEAT PUMP	HEAT PUMP	HEAT PUMP
Performance	HP			HP	62	64	66
	Capacity (Nominal)	Cooling		kW	173.60	179.20	185.60
				Btu/h	592,300	611,500	633,300
		Heating		kW	195.30	201.60	208.80
				Btu/h	666,400	687,900	712,500
	Total capacity of the connected Indoor Units 3)	Min.		kW	87.2	89.7	92.4
		Max.		kW	226.7	233.2	240.2
Power	Power Input (Nominal)	Cooling 1)		kW	42.77	46.02	47.34
		Heating 2)			40.90	44.01	46.07
	Current Input (Nominal)	Cooling 1)		A	68.50	73.80	76.00
		Heating 2)			65.60	70.50	73.80
	Current	Minimum Ssc value		MVA	28.7	29.2	29.0
		MCA(Minimum Circuit Amps)		A	**140.0**	**142.6**	**142.6**
		MFA/MOP(Maximum Fuse Amps)		A	**175.0**	**175.0**	**175.0**
		TOCA(Total Over Current Amps)		A	147.0	149.7	149.7
		FLA Total(Full Load Amps)		A	10.0	10.0	11.4
Capacity Control		Method		-	Inverter controlled	Inverter controlled	Inverter controlled
COP	Nominal Cooling 1)			W/W	4.06	3.89	3.92
	Nominal Heating 2)			W/W	4.78	4.58	4.53
	ESEER			W/W	6.82	6.68	6.82
Casing	Color			-	Earth brown	Earth brown	Earth brown
	Material			-	Painted galvanized steel plate	Painted galvanized steel plate	Painted galvanized steel plate
Heat exchanger	Type			-	Fin & Tube	Fin & Tube	Fin & Tube
	Fin	Treatment		-	Anti-corrosion treatment	Anti-corrosion treatment	Anti-corrosion treatment
Compressor	Type			-	SSC Scroll	SSC Scroll	SSC Scroll
	Output			kW × n	(6.39x2) + (7.81x2) + (6.39)	(6.39x2) + (7.81x2) + (6.39)	(6.39) + (6.39x2) + (7.81x2)
	Model Name			-	DS-GB066FAVB x 2 + DS4GJ5080FVA x 2 + DS-GB066FAVBSG x 1	DS-GB066FAVB x 2 + DS4GJ5080FVA x 2 + DS-GB066FAVBSG x 1	DS-GB066FAVB x 3 + DS4GJ5080FVA x 2
	Oil	Type		-	PVE	PVE	PVE
		Initial Charge		cc	6100	6100	6100
Fan	Type			-	Propeller	Propeller	Propeller
	Discharge direction			-	Top	Top	Top
	Quantity			ea	5	5	6
	Air Flow Rate			m^3/min	290 + 340 + 220	290 + 340 + 220	255 + 290 + 340
				l/s	4,833.33 + 5,666.67 + 3,666.67	4,833.33 + 5,666.67 + 3,666.67	4,250.00 + 4,833.33 + 5,666.67
	External Static Pressure		Max.	mmAq	8.00	8.00	8.00
				Pa	78.45	78.45	78.45
Fan Motor	Model			-	BrushLess DC Motor	BrushLess DC Motor	BrushLess DC Motor
	Output x n			W	(620.0 x 2) x 2 + 830.0 x 1	(620.0 x 2) x 2 + 830.0 x 1	(620.0 x 2) x 3
Piping Connections	Liquid Pipe			Type	Braze connection	Braze connection	Braze connection
				Φ, mm	22.22	22.22	22.22
				Φ, inch	7/8"	7/8"	7/8"
	Gas Pipe			Type	Braze connection	Braze connection	Braze connection
				Φ, mm	53.98	53.98	53.98
				Φ, inch	2 1/8"	2 1/8"	2 1/8"
	Heat insulation			-	Both liquid and gas pipes	Both liquid and gas pipes	Both liquid and gas pipes
	Discharge Gas Pipe			Φ, mm	-	-	-
				Φ, inch	-	-	-
	Piping length	ODU-IDU	Max.	m	200(220)	200(220)	200(220)
		After branch	Max.	m	90	90	90
	Total piping length	System	Actual	m	1000	1000	1000
	Level difference	ODU-IDU	Outdoor unit in highest position	m	110	110	110
			Indoor unit in highest position	m	110	110	110
		IDU-IDU	Max.	m	50	50	50
Maximum number of connectable indoor units				ea	64	64	64
Wiring connections	For power supply	Quantity		ea	5	5	5
	For connection with indoor	Minimum		mm2	0.75	0.75	0.75
		Remark		-	F1, F2	F1, F2	F1, F2
	Power supply intake			-	Both indoor and outdoor unit	Both indoor and outdoor unit	Both indoor and outdoor unit
Refrigerant	Type			-	R410A	R410A	R410A
	Factory Charging			kg	28.90	28.90	31.80
Sound	Sound Pressure		Cooling	dB(A)	71	71	71
			Heating		73	73	73
	Sound Power		Nominal		93	93	93

Premium Compact

Model Name				AM620KXVGGH1EU	AM640KXVGGH1EU	AM660KXVGGH1EU
External Dimension	Net Weight		kg	285.0 + 350.0 + 195.5	285.0 + 350.0 + 195.5	241.0 + 285.0 + 350.0
	Shipping Weight		kg	305.0 + 372.0 + 211.5	305.0 + 372.0 + 211.5	261.0 + 305.0 + 372.0
	Net Dimensions (WxHxD)		mm	1,295 x 1,695 x 765 + 1,295 x 1,795 x 765 + 880 x 1,695 x 765	1,295 x 1,695 x 765 + 1,295 x 1,795 x 765 + 880 x 1,695 x 765	(1,295 x 1,695 x 765) x 2 + 1,295 x 1,795 x 765
	Shipping Dimensions (WxHxD)		mm	1,363 x 1,887 x 832 + 1,363 x 1,987 x 832 + 948 x 1,887 x 832	1,363 x 1,887 x 832 + 1,363 x 1,987 x 832 + 948 x 1,887 x 832	(1,363 x 1,887 x 832) x 2 + 1,363 x 1,987 x 832
Operating Temp. Range	Cooling		℃	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0
	Heating		℃	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0
Defrost	Method		-	Reversed cycle	Reversed cycle	Reversed cycle
Safety devices	Item	1	-	High pressure switch	High pressure switch	High pressure switch
		2	-	Fan driver overload protector	Fan driver overload protector	Fan driver overload protector
		3	-	Inverter overload protector	Inverter overload protector	Inverter overload protector
		4	-	PC board fuse	PC board fuse	PC board fuse

* Specification may be subject to change without prior notice.
  Specification comply with EN14511.

1) Nominal cooling capacities are based on;
  - Indoor temperature : 27°C DB, 19°C WB
  - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m
2) 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
3) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
4) Sound pressure level is obtained in an anechoic room
  - Sound pressure level is a relative value, depending on the distance and acoustic environment.
  - Sound pressure level may differ depending on operation condition.
  - dBA = A-weighted sound pressure level
  - Reference acoustic pressure 0 dB = 20uPa
5) Sound power level is an absolute value that a sound source generates.
  - dBA = A-weighted sound power level
  - Reference power : 1pW
  - Measured according to ISO 3741
6) Sound values of multi combination are theoretical values based on sound results of individual installed units.
7) These products contain R410A which is fluorinated greenhouse gas.
8) 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 by PDM kit installation Guide software whether the PDM kit should be installed or not.)

*PDM kit: Pressure Drop Modulation kit
  When the outdoor unit is below the indoor unit & the level differences are 40m or more, contact your local dealer for more information.

※ In case you want to know more information regarding capacity and correction, please refer to capacity table TDB on pvi.samsung.com site.

Premium Compact

Type					DVM S(NEW)	DVM S(NEW)	DVM S(NEW)
Model Name					AM680KXVGGH1EU	AM700KXVGGH1EU	AM720KXVGGH1EU
	Outdoor unit module 1				AM160KXVGGH/EU	AM180KXVGGH/EU	AM200KXVGGH/EU
	Outdoor unit module 2				AM220KXVGGH/EU	AM220KXVGGH/EU	AM220KXVGGH/EU
	Outdoor unit module 3				AM300KXVAGH/EU	AM300KXVAGH/EU	AM300KXVAGH/EU
	Outdoor unit module 4				-	-	-
Power Supply				Φ, #, V, Hz	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
Mode				-	HEAT PUMP	HEAT PUMP	HEAT PUMP
Performance	HP			HP	68	70	72
	Capacity (Nominal)	Cooling		kW	190.60	196.00	201.60
				Btu/h	650,400	668,800	687,900
		Heating		kW	214.20	220.50	226.80
				Btu/h	730,900	752,400	773,900
	Total capacity of the connected Indoor Units 3)	Min.		kW	95.2	98.0	100.8
		Max.		kW	247.5	254.8	262.1
Power	Power Input (Nominal)	Cooling 1)		kW	49.37	49.13	50.95
		Heating 2)			47.20	46.97	49.20
	Current Input (Nominal)	Cooling 1)		A	79.20	78.80	81.70
		Heating 2)			75.60	75.30	78.90
	Current	Minimum Ssc value		MVA	30.9	32.4	31.4
		MCA(Minimum Circuit Amps)		A	**149.6**	**156.8**	**159.6**
		MFA/MOP(Maximum Fuse Amps)		A	**175.0**	**175.0**	**175.0**
		TOCA(Total Over Current Amps)		A	157.1	164.6	167.6
		FLA Total(Full Load Amps)		A	11.4	11.4	11.4
Capacity Control		Method		-	Inverter controlled	Inverter controlled	Inverter controlled
COP	Nominal Cooling 1)			W/W	3.86	3.99	3.96
	Nominal Heating 2)			W/W	4.54	4.69	4.61
	ESEER			W/W	6.75	6.74	6.63
Casing	Color			-	Earth brown	Earth brown	Earth brown
	Material			-	Painted galvanized steel plate	Painted galvanized steel plate	Painted galvanized steel plate
Heat exchanger	Type			-	Fin & Tube	Fin & Tube	Fin & Tube
	Fin	Treatment		-	Anti-corrosion treatment	Anti-corrosion treatment	Anti-corrosion treatment
Compressor	Type			-	SSC Scroll	SSC Scroll	SSC Scroll
	Output			kW × n	(7.81) + (6.39x2) + (7.81x2)	(6.39x2) + (6.39x2) + (7.81x2)	(6.39x2) + (6.39x2) + (7.81x2)
	Model Name			-	DS4GJ5080FVA x 3 + DS-GB066FAVB x 2	DS-GB066FAVB x 4 + DS4GJ5080FVA x 2	DS-GB066FAVB x 4 + DS4GJ5080FVA x 2
	Oil	Type		-	PVE	PVE	PVE
		Initial Charge		cc	6400	7200	7200
Fan	Type			-	Propeller	Propeller	Propeller
	Discharge direction			-	Top	Top	Top
	Quantity			ea	6	6	6
	Air Flow Rate			m^3/min	255 + 290 + 340	290 x 2 + 340	290 x 2 + 340
				l/s	4,250.00 + 4,833.33 + 5,666.67	4,833.33 x 2 + 5,666.67	4,833.33 x 2 + 5,666.67
	External Static Pressure		Max.	mmAq	8.00	8.00	8.00
				Pa	78.45	78.45	78.45
Fan Motor	Model			-	BrushLess DC Motor	BrushLess DC Motor	BrushLess DC Motor
	Output x n			W	(620.0 x 2) x 3	(620.0 x 2) x 3	(620.0 x 2) x 3
Piping Connections	Liquid Pipe			Type	Braze connection	Braze connection	Braze connection
				Φ, mm	22.22	22.22	22.22
				Φ, inch	7/8"	7/8"	7/8"
	Gas Pipe			Type	Braze connection	Braze connection	Braze connection
				Φ, mm	53.98	53.98	53.98
				Φ, inch	2 1/8"	2 1/8"	2 1/8"
	Heat insulation			-	Both liquid and gas pipes	Both liquid and gas pipes	Both liquid and gas pipes
	Discharge Gas Pipe			Φ, mm	-	-	-
				Φ, inch	-	-	-
	Piping length	ODU-IDU	Max.	m	200(220)	200(220)	200(220)
		After branch	Max.	m	90	90	90
	Total piping length	System	Actual	m	1000	1000	1000
	Level difference	ODU-IDU	Outdoor unit in highest position	m	110	110	110
			Indoor unit in highest position	m	110	110	110
		IDU-IDU	Max.	m	50	50	50
Maximum number of connectable indoor units				ea	64	64	64
Wiring connections	For power supply	Quantity		ea	5	5	5
	For connection with indoor	Minimum		mm2	0.75	0.75	0.75
		Remark		-	F1, F2	F1, F2	F1, F2
	Power supply intake			-	Both indoor and outdoor unit	Both indoor and outdoor unit	Both indoor and outdoor unit
Refrigerant	Type			-	R410A	R410A	R410A
	Factory Charging			kg	30.80	30.80	30.80
Sound	Sound Pressure		Cooling	dB(A)	71	72	72
			Heating		73	74	74
	Sound Power		Nominal		93	94	94

Premium Compact

Model Name				AM680KXVGGH1EU	AM700KXVGGH1EU	AM720KXVGGH1EU
External Dimension	Net Weight		kg	255.0 + 285.0 + 350.0	285.0 x 2 + 350.0	285.0 x 2 + 350.0
	Shipping Weight		kg	275.0 + 305.0 + 372.0	305.0 x 2 + 372.0	305.0 x 2 + 372.0
	Net Dimensions (WxHxD)		mm	(1,295 x 1,695 x 765) x 2 + 1,295 x 1,795 x 765	(1,295 x 1,695 x 765) x 2 + 1,295 x 1,795 x 765	(1,295 x 1,695 x 765) x 2 + 1,295 x 1,795 x 765
	Shipping Dimensions (WxHxD)		mm	(1,363 x 1,887 x 832) x 2 + 1,363 x 1,987 x 832	(1,363 x 1,887 x 832) x 2 + 1,363 x 1,987 x 832	(1,363 x 1,887 x 832) x 2 + 1,363 x 1,987 x 832
Operating Temp. Range	Cooling		℃	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0
	Heating		℃	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0
Defrost	Method		-	Reversed cycle	Reversed cycle	Reversed cycle
Safety devices	Item	1	-	High pressure switch	High pressure switch	High pressure switch
		2	-	Fan driver overload protector	Fan driver overload protector	Fan driver overload protector
		3	-	Inverter overload protector	Inverter overload protector	Inverter overload protector
		4	-	PC board fuse	PC board fuse	PC board fuse

*** Specification may be subject to change without prior notice.**
Specification comply with EN14511.

1) Nominal cooling capacities are based on;
- Indoor temperature : 27°C DB, 19°C WB
- Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m
2) 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
3) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
4) Sound pressure level is obtained in an anechoic room
- Sound pressure level is a relative value, depending on the distance and acoustic environment.
- Sound pressure level may differ depending on operation condition.
- dBA = A-weighted sound pressure level
- Reference acoustic pressure 0 dB = 20uPa
5) Sound power level is an absolute value that a sound source generates.
- dBA = A-weighted sound power level
- Reference power : 1pW
- Measured according to ISO 3741
6) Sound values of multi combination are theoretical values based on sound results of individual installed units.
7) These products contain R410A which is fluorinated greenhouse gas.
8) 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 by PDM kit installation Guide software whether the PDM kit should be installed or not.)
***PDM kit: Pressure Drop Modulation kit**
When the outdoor unit is below the indoor unit & the level differences are 40m or more, contact your local dealer for more information.
※ In case you want to know more information regarding capacity and correction, please refer to capacity table TDB on pvi.samsung.com site.

Premium Compact

Type					DVM S(NEW)	DVM S(NEW)	DVM S(NEW)
Model Name					AM740KXVGGH1EU	AM760KXVGGH1EU	AM780KXVGGH1EU
	Outdoor unit module 1				AM220KXVGGH/EU	AM220KXVGGH/EU	AM220KXVGGH/EU
	Outdoor unit module 2				AM220KXVGGH/EU	AM240KXVGGH/EU	AM260KXVGGH/EU
	Outdoor unit module 3				AM300KXVAGH/EU	AM300KXVAGH/EU	AM300KXVAGH/EU
	Outdoor unit module 4				-	-	-
Power Supply				Φ, #, V, Hz	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
Mode				-	HEAT PUMP	HEAT PUMP	HEAT PUMP
Performance	HP			HP	74	76	78
	Capacity (Nominal)	Cooling		kW	207.20	212.80	218.40
				Btu/h	707,000	726,100	745,200
		Heating		kW	233.10	239.40	245.70
				Btu/h	795,400	816,900	838,400
	Total capacity of the connected Indoor Units 3)	Min.		kW	103.6	106.4	109.2
		Max.		kW	269.4	276.4	283.9
Power	Power Input (Nominal)	Cooling 1)		kW	54.20	54.45	55.78
		Heating 2)			52.31	51.88	53.51
	Current Input (Nominal)	Cooling 1)		A	87.00	87.40	89.50
		Heating 2)			83.80	83.10	85.80
	Current	Minimum Ssc value		MVA	31.9	35.9	35.4
		MCA(Minimum Circuit Amps)		A	**162.2**	**172.6**	**177.6**
		MFA/MOP(Maximum Fuse Amps)		A	**200.0**	**200.0**	**200.0**
		TOCA(Total Over Current Amps)		A	170.3	181.2	186.5
		FLA Total(Full Load Amps)		A	11.4	11.4	11.4
Capacity Control		Method		-	Inverter controlled	Inverter controlled	Inverter controlled
COP	Nominal Cooling 1)			W/W	3.82	3.91	3.92
	Nominal Heating 2)			W/W	4.46	**4.61**	4.59
	ESEER			W/W	6.52	6.75	6.76
Casing	Color			-	Earth brown	Earth brown	Earth brown
	Material			-	Painted galvanized steel plate	Painted galvanized steel plate	Painted galvanized steel plate
Heat exchanger	Type			-	Fin & Tube	Fin & Tube	Fin & Tube
	Fin	Treatment		-	Anti-corrosion treatment	Anti-corrosion treatment	Anti-corrosion treatment
Compressor	Type			-	SSC Scroll	SSC Scroll	SSC Scroll
	Output			kW × n	(6.39x2)x2 + (7.81x2)	(6.39x2) + (6.76x2) + (7.81x2)	(6.39x2) + (7.81x2) + (7.81x2)
	Model Name			-	DS-GB066FAVB x 4 + DS4GJ5080FVA x 2	DS-GB066FAVB x 2 + DS-GB070FAVA x 2 + DS4GJ5080FVA x 2	DS-GB066FAVB x 2 + DS4GJ5080FVA x 4
	Oil	Type		-	PVE	PVE	PVE
		Initial Charge		cc	7200	7200	7800
Fan	Type			-	Propeller	Propeller	Propeller
	Discharge direction			-	Top	Top	Top
	Quantity			ea	6	6	6
	Air Flow Rate			m^3/min	290 x 2 + 340	290 + 340 x 2	290 + 340 x 2
				l/s	4,833.33 x 2 + 5,666.67	4,833.33 + 5,666.67 x 2	4,833.33 + 5,666.67 x 2
	External Static Pressure		Max.	mmAq	8.00	8.00	8.00
				Pa	78.45	78.45	78.45
Fan Motor	Model			-	BrushLess DC Motor	BrushLess DC Motor	BrushLess DC Motor
	Output x n			W	(620.0 x 2) x 3	(620.0 x 2) x 3	(620.0 x 2) x 3
Piping Connections	Liquid Pipe			Type	Braze connection	Braze connection	Braze connection
				Φ, mm	22.22	22.22	22.22
				Φ, inch	7/8"	7/8"	7/8"
	Gas Pipe			Type	Braze connection	Braze connection	Braze connection
				Φ, mm	53.98	53.98	53.98
				Φ, inch	2 1/8"	2 1/8"	2 1/8"
	Heat insulation			-	Both liquid and gas pipes	Both liquid and gas pipes	Both liquid and gas pipes
	Discharge Gas Pipe			Φ, mm	-	-	-
				Φ, inch	-	-	-
	Piping length	ODU-IDU	Max.	m	200(220)	200(220)	200(220)
		After branch	Max.	m	90	90	90
	Total piping length	System	Actual	m	1000	1000	1000
	Level difference	ODU-IDU	Outdoor unit in highest position	m	110	110	110
			Indoor unit in highest position	m	110	110	110
		IDU-IDU	Max.	m	50	50	50
Maximum number of connectable indoor units				ea	64	64	64
Wiring connections	For power supply	Quantity		ea	5	5	5
	For connection with indoor	Minimum		mm2	0.75	0.75	0.75
		Remark		-	F1, F2	F1, F2	F1, F2
	Power supply intake			-	Both indoor and outdoor unit	Both indoor and outdoor unit	Both indoor and outdoor unit
Refrigerant	Type			-	R410A	R410A	R410A
	Factory Charging			kg	30.80	36.40	36.40
Sound	Sound Pressure		Cooling	dB(A)	72	73	73
			Heating		74	75	75
	Sound Power		Nominal		94	94	94

Premium Compact

Model Name				AM740KXVGGH1EU	AM760KXVGGH1EU	AM780KXVGGH1EU
External Dimension	Net Weight		kg	285.0 x 2 + 350.0	285.0 + 342.0 + 350.0	285.0 + 350.0 x 2
	Shipping Weight		kg	305.0 x 2 + 372.0	305.0 + 364.0 + 372.0	305.0 + 372.0 x 2
	Net Dimensions (WxHxD)		mm	(1,295 x 1,695 x 765) x 2 + 1,295 x 1,795 x 765	1,295 x 1,695 x 765 + (1,295 x 1,795 x 765) x 2	1,295 x 1,695 x 765 + (1,295 x 1,795 x 765) x 2
	Shipping Dimensions (WxHxD)		mm	(1,363 x 1,887 x 832) x 2 + 1,363 x 1,987 x 832	1,363 x 1,887 x 832 + (1,363 x 1,987 x 832) x 2	1,363 x 1,887 x 832 + (1,363 x 1,987 x 832) x 2
Operating Temp. Range	Cooling		℃	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0
	Heating		℃	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0
Defrost	Method		-	Reversed cycle	Reversed cycle	Reversed cycle
Safety devices	Item	1	-	High pressure switch	High pressure switch	High pressure switch
		2	-	Fan driver overload protector	Fan driver overload protector	Fan driver overload protector
		3	-	Inverter overload protector	Inverter overload protector	Inverter overload protector
		4	-	PC board fuse	PC board fuse	PC board fuse

* Specification may be subject to change without prior notice.
  Specification comply with EN14511.

1) Nominal cooling capacities are based on;
  - Indoor temperature : 27°C DB, 19°C WB
  - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m
2) 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
3) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
4) Sound pressure level is obtained in an anechoic room
  - Sound pressure level is a relative value, depending on the distance and acoustic environment.
  - Sound pressure level may differ depending on operation condition.
  - dBA = A-weighted sound pressure level
  - Reference acoustic pressure 0 dB = 20uPa
5) Sound power level is an absolute value that a sound source generates.
  - dBA = A-weighted sound power level
  - Reference power : 1pW
  - Measured according to ISO 3741
6) Sound values of multi combination are theoretical values based on sound results of individual installed units.
7) These products contain R410A which is fluorinated greenhouse gas.
8) 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 by PDM kit installation Guide software whether the PDM kit should be installed or not.)

*PDM kit: Pressure Drop Modulation kit
  When the outdoor unit is below the indoor unit & the level differences are 40m or more, contact your local dealer for more information.

※ In case you want to know more information regarding capacity and correction, please refer to capacity table TDB on pvi.samsung.com site.

Premium Compact

Type					DVM S(NEW)	DVM S(NEW)	DVM S(NEW)
Model Name					AM800KXVGGH1EU	AM820KXVGGH1EU	AM840KXVGGH1EU
	Outdoor unit module 1				AM220KXVGGH/EU	AM220KXVGGH/EU	AM240KXVGGH/EU
	Outdoor unit module 2				AM280KXVGGH/EU	AM300KXVAGH/EU	AM300KXVAGH/EU
	Outdoor unit module 3				AM300KXVAGH/EU	AM300KXVAGH/EU	AM300KXVAGH/EU
	Outdoor unit module 4				-	-	-
Power Supply				Φ, #, V, Hz	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
Mode				-	HEAT PUMP	HEAT PUMP	HEAT PUMP
Performance	HP			HP	80	82	84
	Capacity (Nominal)	Cooling		kW	224.20	229.60	235.20
				Btu/h	765,000	783,400	802,500
		Heating		kW	252.00	258.30	264.60
				Btu/h	859,900	881,400	902,900
	Total capacity of the connected Indoor Units 3)	Min.		kW	112.1	114.8	117.6
		Max.		kW	291.5	298.5	305.8
Power	Power Input (Nominal)	Cooling 1)		kW	58.10	61.15	61.40
		Heating 2)			55.22	57.04	56.61
	Current Input (Nominal)	Cooling 1)		A	93.20	98.10	98.50
		Heating 2)			88.50	91.40	90.70
	Current	Minimum Ssc value		MVA	36.8	38.0	42.5
		MCA(Minimum Circuit Amps)		A	**184.6**	**190.6**	**201.0**
		MFA/MOP(Maximum Fuse Amps)		A	**225.0**	**225.0**	**225.0**
		TOCA(Total Over Current Amps)		A	193.8	200.1	211.1
		FLA Total(Full Load Amps)		A	11.4	11.4	11.4
Capacity Control		Method		-	Inverter controlled	Inverter controlled	Inverter controlled
COP	Nominal Cooling 1)			W/W	3.86	3.75	3.83
	Nominal Heating 2)			W/W	4.56	4.53	4.67
	ESEER			W/W	6.66	6.59	6.8
Casing	Color			-	Earth brown	Earth brown	Earth brown
	Material			-	Painted galvanized steel plate	Painted galvanized steel plate	Painted galvanized steel plate
Heat exchanger	Type			-	Fin & Tube	Fin & Tube	Fin & Tube
	Fin	Treatment		-	Anti-corrosion treatment	Anti-corrosion treatment	Anti-corrosion treatment
Compressor	Type			-	SSC Scroll	SSC Scroll	SSC Scroll
	Output			kW × n	(6.39x2) + (7.81x2) + (7.81x2)	(6.39x2) + (7.81x2)x2	(6.76x2) + (7.81x2)x2
	Model Name			-	DS-GB066FAVB x 2 + DS4GJ5080FVA x 4	DS-GB066FAVB x 2 + DS4GJ5080FVA x 4	DS-GB070FAVA x 2 + DS4GJ5080FVA x 4
	Oil	Type		-	PVE	PVE	PVE
		Initial Charge		cc	7800	7800	7800
Fan	Type			-	Propeller	Propeller	Propeller
	Discharge direction			-	Top	Top	Top
	Quantity			ea	6	6	6
	Air Flow Rate			m^3/min	290 + 340 x 2	290 + 340 x 2	340 x 3
				l/s	4,833.33 + 5,666.67 x 2	4,833.33 + 5,666.67 x 2	5,666.67 x 3
	External Static Pressure		Max.	mmAq	8.00	8.00	8.00
				Pa	78.45	78.45	78.45
Fan Motor	Model			-	BrushLess DC Motor	BrushLess DC Motor	BrushLess DC Motor
	Output x n			W	(620.0 x 2) x 3	(620.0 x 2) x 3	(620.0 x 2) x 3
Piping Connections	Liquid Pipe			Type	Braze connection	Braze connection	Braze connection
				Φ, mm	22.22	22.22	22.22
				Φ, inch	7/8"	7/8"	7/8"
	Gas Pipe			Type	Braze connection	Braze connection	Braze connection
				Φ, mm	53.98	53.98	53.98
				Φ, inch	2 1/8"	2 1/8"	2 1/8"
	Heat insulation			-	Both liquid and gas pipes	Both liquid and gas pipes	Both liquid and gas pipes
	Discharge Gas Pipe			Φ, mm	-	-	-
				Φ, inch	-	-	-
	Piping length	ODU-IDU	Max.	m	200(220)	200(220)	200(220)
		After branch	Max.	m	90	90	90
	Total piping length	System	Actual	m	1000	1000	1000
	Level difference	ODU-IDU	Outdoor unit in highest position	m	110	110	110
			Indoor unit in highest position	m	110	110	110
		IDU-IDU	Max.	m	50	50	50
Maximum number of connectable indoor units				ea	64	64	64
Wiring connections	For power supply	Quantity		ea	5	5	5
	For connection with indoor	Minimum		mm2	0.75	0.75	0.75
		Remark		-	F1, F2	F1, F2	F1, F2
	Power supply intake			-	Both indoor and outdoor unit	Both indoor and outdoor unit	Both indoor and outdoor unit
Refrigerant	Type			-	R410A	R410A	R410A
	Factory Charging			kg	36.40	36.40	42.00
Sound	Sound Pressure		Cooling	dB(A)	73	73	74
			Heating		75	75	76
	Sound Power		Nominal		94	94	95

Premium Compact

Model Name				AM800KXVGGH1EU	AM820KXVGGH1EU	AM840KXVGGH1EU
External Dimension	Net Weight		kg	285.0 + 350.0 x 2	285.0 + 350.0 x 2	342.0 + 350.0 x 2
	Shipping Weight		kg	305.0 + 372.0 x 2	305.0 + 372.0 x 2	364.0 + 372.0 x 2
	Net Dimensions (WxHxD)		mm	1,295 x 1,695 x 765 + (1,295 x 1,795 x 765) x 2	1,295 x 1,695 x 765 + (1,295 x 1,795 x 765) x 2	(1,295 x 1,795 x 765) x 3
	Shipping Dimensions (WxHxD)		mm	1,363 x 1,887 x 832 + (1,363 x 1,987 x 832) x 2	1,363 x 1,887 x 832 + (1,363 x 1,987 x 832) x 2	(1,363 x 1,987 x 832) x 3
Operating Temp. Range	Cooling		℃	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0
	Heating		℃	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0
Defrost	Method		-	Reversed cycle	Reversed cycle	Reversed cycle
Safety devices	Item	1	-	High pressure switch	High pressure switch	High pressure switch
		2	-	Fan driver overload protector	Fan driver overload protector	Fan driver overload protector
		3	-	Inverter overload protector	Inverter overload protector	Inverter overload protector
		4	-	PC board fuse	PC board fuse	PC board fuse

*** Specification may be subject to change without prior notice.**
Specification comply with EN14511.

1) Nominal cooling capacities are based on;
- Indoor temperature : 27°C DB, 19°C WB
- Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m
2) 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
3) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
4) Sound pressure level is obtained in an anechoic room
- Sound pressure level is a relative value, depending on the distance and acoustic environment.
- Sound pressure level may differ depending on operation condition.
- dBA = A-weighted sound pressure level
- Reference acoustic pressure 0 dB = 20uPa
5) Sound power level is an absolute value that a sound source generates.
- dBA = A-weighted sound power level
- Reference power : 1pW
- Measured according to ISO 3741
6) Sound values of multi combination are theoretical values based on sound results of individual installed units.
7) These products contain R410A which is fluorinated greenhouse gas.
8) 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 by PDM kit installation Guide software whether the PDM kit should be installed or not.)
***PDM kit: Pressure Drop Modulation kit**
When the outdoor unit is below the indoor unit & the level differences are 40m or more, contact your local dealer for more information.
※ In case you want to know more information regarding capacity and correction, please refer to capacity table TDB on pvi.samsung.com site.

Premium Compact

Type					DVM S(NEW)	DVM S(NEW)	DVM S(NEW)
Model Name					AM860KXVGGH1EU	AM880KXVGGH1EU	AM900KXVGGH1EU
	Outdoor unit module 1				AM260KXVGGH/EU	AM280KXVGGH/EU	AM300KXVAGH/EU
	Outdoor unit module 2				AM300KXVAGH/EU	AM300KXVAGH/EU	AM300KXVAGH/EU
	Outdoor unit module 3				AM300KXVAGH/EU	AM300KXVAGH/EU	AM300KXVAGH/EU
	Outdoor unit module 4				-	-	-
Power Supply				Φ, #, V, Hz	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
Mode				-	HEAT PUMP	HEAT PUMP	HEAT PUMP
Performance	HP			HP	86	88	90
	Capacity (Nominal)	Cooling		kW	240.80	246.60	252.00
				Btu/h	821,600	841,400	859,900
		Heating		kW	270.90	277.20	283.50
				Btu/h	924,300	945,800	967,300
	Total capacity of the connected Indoor Units 3)	Min.		kW	120.4	123.3	126.0
		Max.		kW	313.0	320.6	327.6
Power	Power Input (Nominal)	Cooling 1)		kW	62.73	65.05	68.10
		Heating 2)			58.24	59.95	61.77
	Current Input (Nominal)	Cooling 1)		A	100.60	104.30	109.20
		Heating 2)			93.40	96.10	99.00
	Current	Minimum Ssc value		MVA	41.8	43.2	44.5
		MCA(Minimum Circuit Amps)		A	**206.0**	**213.0**	**219.0**
		MFA/MOP(Maximum Fuse Amps)		A	**250.0**	**250.0**	**250.0**
		TOCA(Total Over Current Amps)		A	216.3	223.7	230.0
		FLA Total(Full Load Amps)		A	11.4	11.4	11.4
Capacity Control		Method		-	Inverter controlled	Inverter controlled	Inverter controlled
COP	Nominal Cooling 1)			W/W	3.84	3.79	3.70
	Nominal Heating 2)			W/W	4.65	4.62	4.59
	ESEER			W/W	6.81	6.72	6.65
Casing	Color			-	Earth brown	Earth brown	Earth brown
	Material			-	Painted galvanized steel plate	Painted galvanized steel plate	Painted galvanized steel plate
Heat exchanger	Type			-	Fin & Tube	Fin & Tube	Fin & Tube
	Fin	Treatment		-	Anti-corrosion treatment	Anti-corrosion treatment	Anti-corrosion treatment
Compressor	Type			-	SSC Scroll	SSC Scroll	SSC Scroll
	Output			kW × n	(7.81x2) + (7.81x2)x2	(7.81x2) + (7.81x2)x2	(7.81x2)x3
	Model Name			-	DS4GJ5080FVA x 6	DS4GJ5080FVA x 6	DS4GJ5080FVA x 6
	Oil	Type		-	PVE	PVE	PVE
		Initial Charge		cc	8400	8400	8400
Fan	Type			-	Propeller	Propeller	Propeller
	Discharge direction			-	Top	Top	Top
	Quantity			ea	6	6	6
	Air Flow Rate			m^3/min	340 x 3	340 x 3	340 x 3
				l/s	5,666.67 x 3	5,666.67 x 3	5,666.67 x 3
	External Static Pressure		Max.	mmAq	8.00	8.00	8.00
				Pa	78.45	78.45	78.45
Fan Motor	Model			-	BrushLess DC Motor	BrushLess DC Motor	BrushLess DC Motor
	Output x n			W	(620.0 x 2) x 3	(620.0 x 2) x 3	(620.0 x 2) x 3
Piping Connections	Liquid Pipe			Type	Braze connection	Braze connection	Braze connection
				Φ, mm	22.22	22.22	22.22
				Φ, inch	7/8"	7/8"	7/8"
	Gas Pipe			Type	Braze connection	Braze connection	Braze connection
				Φ, mm	53.98	53.98	53.98
				Φ, inch	2 1/8"	2 1/8"	2 1/8"
	Heat insulation			-	Both liquid and gas pipes	Both liquid and gas pipes	Both liquid and gas pipes
	Discharge Gas Pipe			Φ, mm	-	-	-
				Φ, inch	-	-	-
	Piping length	ODU-IDU	Max.	m	200(220)	200(220)	200(220)
		After branch	Max.	m	90	90	90
	Total piping length	System	Actual	m	1000	1000	1000
	Level difference	ODU-IDU	Outdoor unit in highest position	m	110	110	110
			Indoor unit in highest position	m	110	110	110
		IDU-IDU	Max.	m	50	50	50
Maximum number of connectable indoor units				ea	64	64	64
Wiring connections	For power supply	Quantity		ea	5	5	5
	For connection with indoor	Minimum		mm2	0.75	0.75	0.75
		Remark		-	F1, F2	F1, F2	F1, F2
	Power supply intake			-	Both indoor and outdoor unit	Both indoor and outdoor unit	Both indoor and outdoor unit
Refrigerant	Type			-	R410A	R410A	R410A
	Factory Charging			kg	42.00	42.00	42.00
Sound	Sound Pressure		Cooling	dB(A)	74	74	74
			Heating		76	76	76
	Sound Power		Nominal		95	95	95

Premium Compact

Model Name				AM860KXVGGH1EU	AM880KXVGGH1EU	AM900KXVGGH1EU
External Dimension	Net Weight		kg	350.0 x 3	350.0 x 3	350.0 x 3
	Shipping Weight		kg	372.0 x 3	372.0 x 3	372.0 x 3
	Net Dimensions (WxHxD)		mm	(1,295 x 1,795 x 765) x 3	(1,295 x 1,795 x 765) x 3	(1,295 x 1,795 x 765) x 3
	Shipping Dimensions (WxHxD)		mm	(1,363 x 1,987 x 832) x 3	(1,363 x 1,987 x 832) x 3	(1,363 x 1,987 x 832) x 3
Operating Temp. Range	Cooling		℃	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0
	Heating		℃	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0
Defrost	Method		-	Reversed cycle	Reversed cycle	Reversed cycle
Safety devices	Item	1	-	High pressure switch	High pressure switch	High pressure switch
		2	-	Fan driver overload protector	Fan driver overload protector	Fan driver overload protector
		3	-	Inverter overload protector	Inverter overload protector	Inverter overload protector
		4	-	PC board fuse	PC board fuse	PC board fuse

*** Specification may be subject to change without prior notice.**
Specification comply with EN14511.

1) Nominal cooling capacities are based on;
- Indoor temperature : 27°C DB, 19°C WB
- Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m
2) 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
3) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
4) Sound pressure level is obtained in an anechoic room
- Sound pressure level is a relative value, depending on the distance and acoustic environment.
- Sound pressure level may differ depending on operation condition.
- dBA = A-weighted sound pressure level
- Reference acoustic pressure 0 dB = 20uPa
5) Sound power level is an absolute value that a sound source generates.
- dBA = A-weighted sound power level
- Reference power : 1pW
- Measured according to ISO 3741
6) Sound values of multi combination are theoretical values based on sound results of individual installed units.
7) These products contain R410A which is fluorinated greenhouse gas.
8) 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 by PDM kit installation Guide software whether the PDM kit should be installed or not.)
***PDM kit: Pressure Drop Modulation kit**
When the outdoor unit is below the indoor unit & the level differences are 40m or more, contact your local dealer for more information.
※ In case you want to know more information regarding capacity and correction, please refer to capacity table TDB on pvi.samsung.com site.

Premium Energy Efficiency

Type				DVM S(NEW)	DVM S(NEW)	DVM S(NEW)
Model Name				AM220KXVGGH2EU	AM240KXVGGH2EU	AM260KXVGGH2EU
	Outdoor unit module 1			AM100JXVHGH/EU	AM120JXVHGH/EU	AM080JXVHGH/EU
	Outdoor unit module 2			AM120JXVHGH/EU	AM120JXVHGH/EU	AM180KXVGGH/EU
	Outdoor unit module 3			-	-	-
	Outdoor unit module 4			-	-	-
Power Supply			Φ, #, V, Hz	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
Mode			-	HEAT PUMP	HEAT PUMP	HEAT PUMP
Performance	HP		HP	22	24	26
	Capacity (Nominal)	Cooling	kW	61.60	67.20	72.80
			Btu/h	210,200	229,300	248,400
		Heating	kW	69.30	75.60	81.90
			Btu/h	236,500	258,000	279,500
	Total capacity of the connected Indoor Units 3)	Min.	kW	30.8	33.6	36.4
		Max.	kW	80.1	87.4	94.6
Power	Power Input (Nominal)	Cooling 1)	kW	13.79	15.14	15.27
		Heating 2)		13.45	15.12	15.11
	Current Input (Nominal)	Cooling 1)	A	22.10	24.20	24.50
		Heating 2)		21.50	24.20	24.30
	Current	Minimum Ssc value	MVA	10.1	10.9	11.3
		MCA(Minimum Circuit Amps)	A	**46.1**	**50.0**	**57.2**
		MFA/MOP(Maximum Fuse Amps)	A	**63.0**	**63.0**	**63.0**
		TOCA(Total Over Current Amps)	A	48.4	52.5	60.1
		FLA Total(Full Load Amps)	A	4.8	4.8	6.2
Capacity Control		Method	-	Inverter controlled	Inverter controlled	Inverter controlled
COP	Nominal Cooling 1)		W/W	4.47	4.44	4.77
	Nominal Heating 2)		W/W	5.15	5.00	5.42
	ESEER		W/W	7.32	7.23	7.48
Casing	Color		-	Earth brown	Earth brown	Earth brown
	Material		-	Painted galvanized steel plate	Painted galvanized steel plate	Painted galvanized steel plate
Heat exchanger	Type		-	Fin & Tube	Fin & Tube	Fin & Tube
	Fin	Treatment	-	Anti-corrosion treatment	Anti-corrosion treatment	Anti-corrosion treatment
Compressor	Type		-	SSC Scroll	SSC Scroll	SSC Scroll
	Output		kW × n	(6.39) + (6.39)	(6.39)x2	(6.39x2) + (5.18)
	Model Name		-	DS-GB066FAVBSG x 2	DS-GB066FAVBSG x 2	DS-GB066FAVB x 2 + DS-GB052FAVBSG x 1
	Oil	Type	-	PVE	PVE	PVE
		Initial Charge	cc	2200	2200	3300
Fan	Type		-	Propeller	Propeller	Propeller
	Discharge direction		-	Top	Top	Top
	Quantity		ea	2	2	3
	Air Flow Rate		m^3/min	170 + 220	220 x 2	290 + 170
			l/s	2,833.33 + 3,666.67	3,666.67 x 2	4,833.33 + 2,833.33
	External Static Pressure	Max.	mmAq	8.00	8.00	8.00
			Pa	78.45	78.45	78.45
Fan Motor	Model		-	BrushLess DC Motor	BrushLess DC Motor	BrushLess DC Motor
	Output x n		W	(830.0 x 1) x 2	(830.0 x 1) x 2	620.0 x 2 + 830.0 x 1
Piping Connections	Liquid Pipe		Type	Braze connection	Braze connection	Braze connection
			Φ, mm	15.88	15.88	19.05
			Φ, inch	5/8"	5/8"	3/4"
	Gas Pipe		Type	Braze connection	Braze connection	Braze connection
			Φ, mm	28.58	34.92	34.92
			Φ, inch	1 1/8"	1 3/8"	1 3/8"
	Heat insulation		-	Both liquid and gas pipes	Both liquid and gas pipes	Both liquid and gas pipes
	Discharge Gas Pipe		Φ, mm	-	-	-
			Φ, inch	-	-	-
	Piping length	ODU-IDU	Max.	m	200(220)	200(220)	200(220)
		After branch	Max.	m	90	90	90
	Total piping length	System	Actual	m	1000	1000	1000
	Level difference	ODU-IDU	Outdoor unit in highest position	m	110	110	110
			Indoor unit in highest position	m	110	110	110
		IDU-IDU	Max.	m	50	50	50
Maximum number of connectable indoor units			ea	40	43	47
Wiring connections	For power supply	Quantity	ea	5G	5G	5G
	For connection with indoor	Minimum	mm2	0.75	0.75	0.75
		Remark	-	F1,F2	F1,F2	F1,F2
	Power supply intake		-	Both indoor and outdoor unit	Both indoor and outdoor unit	Both indoor and outdoor unit
Refrigerant	Type		-	R410A	R410A	R410A
	Factory Charging		kg	13.00	13.00	14.90
Sound	Sound Pressure	Cooling	dB(A)	63	65	66
		Heating		65	67	68
	Sound Power	Nominal		83	84	89

Premium Energy Efficiency

Model Name				AM220KXVGGH2EU	AM240KXVGGH2EU	AM260KXVGGH2EU
External Dimension	Net Weight		kg	195.5 x 2	195.5 x 2	285.0 + 195.5
	Shipping Weight		kg	211.5 x 2	211.5 x 2	305.0 + 211.5
	Net Dimensions (WxHxD)		mm	(880 x 1,695 x 765) x 2	(880 x 1,695 x 765) x 2	1,295 x 1,695 x 765 + 880 x 1,695 x 765
	Shipping Dimensions (WxHxD)		mm	(948 x 1,887 x 832) x 2	(948 x 1,887 x 832) x 2	1,363 x 1,887 x 832 + 948 x 1,887 x 832
Operating Temp. Range	Cooling		℃	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0
	Heating		℃	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0
Defrost	Method		-	Reversed cycle	Reversed cycle	Reversed cycle
Safety devices	Item	1	-	High pressure switch	High pressure switch	High pressure switch
		2	-	Fan driver overload protector	Fan driver overload protector	Fan driver overload protector
		3	-	Inverter overload protector	Inverter overload protector	Inverter overload protector
		4	-	PC board fuse	PC board fuse	PC board fuse

* Specification may be subject to change without prior notice.
  Specification comply with EN14511.

1) Nominal cooling capacities are based on;
  - Indoor temperature : 27°C DB, 19°C WB
  - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m
2) 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
3) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
4) Sound pressure level is obtained in an anechoic room
  - Sound pressure level is a relative value, depending on the distance and acoustic environment.
  - Sound pressure level may differ depending on operation condition.
  - dBA = A-weighted sound pressure level
  - Reference acoustic pressure 0 dB = 20uPa
5) Sound power level is an absolute value that a sound source generates.
  - dBA = A-weighted sound power level
  - Reference power : 1pW
  - Measured according to ISO 3741
6) Sound values of multi combination are theoretical values based on sound results of individual installed units.
7) These products contain R410A which is fluorinated greenhouse gas.
8) 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 by PDM kit installation Guide software whether the PDM kit should be installed or not.)
*PDM kit: Pressure Drop Modulation kit
  When the outdoor unit is below the indoor unit & the level differences are 40m or more, contact your local dealer for more information.
※ In case you want to know more information regarding capacity and correction, please refer to capacity table TDB on pvi.samsung.com site.

Premium Energy Efficiency

Type					DVM S(NEW)	DVM S(NEW)	DVM S(NEW)
Model Name					AM280KXVGGH2EU	AM300KXVGGH2EU	AM320KXVGGH2EU
	Outdoor unit module 1				AM080JXVHGH/EU	AM120JXVHGH/EU	AM140KXVGGH/EU
	Outdoor unit module 2				AM200KXVGGH/EU	AM180KXVGGH/EU	AM180KXVGGH/EU
	Outdoor unit module 3				-	-	-
	Outdoor unit module 4				-	-	-
Power Supply				Φ, #, V, Hz	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
Mode				-	HEAT PUMP	HEAT PUMP	HEAT PUMP
Performance	HP			HP	28	30	32
	Capacity (Nominal)	Cooling		kW	78.40	84.00	90.40
				Btu/h	267,500	286,600	308,500
		Heating		kW	88.20	94.50	101.70
				Btu/h	301,000	322,400	347,000
	Total capacity of the connected Indoor Units 3)	Min.		kW	39.3	42.0	45.2
		Max.		kW	102.2	109.2	117.5
Power	Power Input (Nominal)	Cooling 1)		kW	17.09	18.25	19.57
		Heating 2)			17.34	18.08	20.14
	Current Input (Nominal)	Cooling 1)		A	27.40	29.20	31.40
		Heating 2)			27.90	29.00	32.30
	Current	Minimum Ssc value		MVA	10.9	14.2	14.1
		MCA(Minimum Circuit Amps)		A	**60.0**	**64.2**	**64.2**
		MFA/MOP(Maximum Fuse Amps)		A	**75.0**	**75.0**	**75.0**
		TOCA(Total Over Current Amps)		A	63.0	67.4	67.4
		FLA Total(Full Load Amps)		A	6.2	6.2	7.6
Capacity Control		Method		-	Inverter controlled	Inverter controlled	Inverter controlled
COP	Nominal Cooling 1)			W/W	4.59	4.60	4.62
	Nominal Heating 2)			W/W	5.09	5.23	5.05
	ESEER			W/W	7.16	7.24	7.48
Casing	Color			-	Earth brown	Earth brown	Earth brown
	Material			-	Painted galvanized steel plate	Painted galvanized steel plate	Painted galvanized steel plate
Heat exchanger	Type			-	Fin & Tube	Fin & Tube	Fin & Tube
	Fin	Treatment		-	Anti-corrosion treatment	Anti-corrosion treatment	Anti-corrosion treatment
Compressor	Type			-	SSC Scroll	SSC Scroll	SSC Scroll
	Output			kW × n	(6.39x2) + (5.18)	(6.39x2) + (6.39)	(6.39) + (6.39x2)
	Model Name			-	DS-GB066FAVB x 2 + DS-GB052FAVBSG x 1	DS-GB066FAVB x 2 + DS-GB066FAVBSG x 1	DS-GB066FAVB x 3
	Oil	Type		-	PVE	PVE	PVE
		Initial Charge		cc	3300	3300	3300
Fan	Type			-	Propeller	Propeller	Propeller
	Discharge direction			-	Top	Top	Top
	Quantity			ea	3	3	4
	Air Flow Rate			m^3/min	290 + 170	290 + 220	255 + 290
				l/s	4,833.33 + 2,833.33	4,833.33 + 3,666.67	4,250.00 + 4,833.33
	External Static Pressure		Max.	mmAq	8.00	8.00	8.00
				Pa	78.45	78.45	78.45
Fan Motor	Model			-	BrushLess DC Motor	BrushLess DC Motor	BrushLess DC Motor
	Output x n			W	620.0 x 2 + 830.0 x 1	620.0 x 2 + 830.0 x 1	(620.0 x 2) x 2
Piping Connections	Liquid Pipe			Type	Braze connection	Braze connection	Braze connection
				Φ, mm	19.05	19.05	19.05
				Φ, inch	3/4"	3/4"	3/4"
	Gas Pipe			Type	Braze connection	Braze connection	Braze connection
				Φ, mm	34.92	34.92	34.92
				Φ, inch	1 3/8"	1 3/8"	1 3/8"
	Heat insulation			-	Both liquid and gas pipes	Both liquid and gas pipes	Both liquid and gas pipes
	Discharge Gas Pipe			Φ, mm	-	-	-
				Φ, inch	-	-	-
	Piping length	ODU-IDU	Max.	m	200(220)	200(220)	200(220)
		After branch	Max.	m	90	90	90
	Total piping length	System	Actual	m	1000	1000	1000
	Level difference	ODU-IDU	Outdoor unit in highest position	m	110	110	110
			Indoor unit in highest position	m	110	110	110
		IDU-IDU	Max.	m	50	50	50
Maximum number of connectable indoor units				ea	51	54	58
Wiring connections	For power supply	Quantity		ea	5G	5G	5G
	For connection with indoor	Minimum		mm2	0.75	0.75	0.75
		Remark		-	F1,F2	F1,F2	F1,F2
	Power supply intake			-	Both indoor and outdoor unit	Both indoor and outdoor unit	Both indoor and outdoor unit
Refrigerant	Type			-	R410A	R410A	R410A
	Factory Charging			kg	14.90	14.90	17.80
Sound	Sound Pressure		Cooling	dB(A)	66	67	66
			Heating		68	69	68
	Sound Power		Nominal		89	90	90

Premium Energy Efficiency

Model Name				AM280KXVGGH2EU	AM300KXVGGH2EU	AM320KXVGGH2EU
External Dimension	Net Weight		kg	285.0 + 195.5	285.0 + 195.5	241.0 + 285.0
	Shipping Weight		kg	305.0 + 211.5	305.0 + 211.5	261.0 + 305.0
	Net Dimensions (WxHxD)		mm	1,295 x 1,695 x 765 + 880 x 1,695 x 765	1,295 x 1,695 x 765 + 880 x 1,695 x 765	(1,295 x 1,695 x 765) x 2
	Shipping Dimensions (WxHxD)		mm	1,363 x 1,887 x 832 + 948 x 1,887 x 832	1,363 x 1,887 x 832 + 948 x 1,887 x 832	(1,363 x 1,887 x 832) x 2
Operating Temp. Range	Cooling		℃	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0
	Heating		℃	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0
Defrost	Method		-	Reversed cycle	Reversed cycle	Reversed cycle
Safety devices	Item	1	-	High pressure switch	High pressure switch	High pressure switch
		2	-	Fan driver overload protector	Fan driver overload protector	Fan driver overload protector
		3	-	Inverter overload protector	Inverter overload protector	Inverter overload protector
		4	-	PC board fuse	PC board fuse	PC board fuse

* Specification may be subject to change without prior notice.
  Specification comply with EN14511.

1) Nominal cooling capacities are based on;
  - Indoor temperature : 27°C DB, 19°C WB
  - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m
2) 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
3) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
4) Sound pressure level is obtained in an anechoic room
  - Sound pressure level is a relative value, depending on the distance and acoustic environment.
  - Sound pressure level may differ depending on operation condition.
  - dBA = A-weighted sound pressure level
  - Reference acoustic pressure 0 dB = 20uPa
5) Sound power level is an absolute value that a sound source generates.
  - dBA = A-weighted sound power level
  - Reference power : 1pW
  - Measured according to ISO 3741
6) Sound values of multi combination are theoretical values based on sound results of individual installed units.
7) These products contain R410A which is fluorinated greenhouse gas.
8) 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 by PDM kit installation Guide software whether the PDM kit should be installed or not.)

*PDM kit: Pressure Drop Modulation kit
  When the outdoor unit is below the indoor unit & the level differences are 40m or more, contact your local dealer for more information.

※ In case you want to know more information regarding capacity and correction, please refer to capacity table TDB on pvi.samsung.com site.

Premium Energy Efficiency

Type					DVM S(NEW)	DVM S(NEW)	DVM S(NEW)
Model Name					AM340KXVGGH2EU	AM360KXVGGH2EU	AM380KXVGGH2EU
	Outdoor unit module 1				AM080JXVHGH/EU	AM180KXVGGH/EU	AM180KXVGGH/EU
	Outdoor unit module 2				AM080JXVHGH/EU	AM180KXVGGH/EU	AM200KXVGGH/EU
	Outdoor unit module 3				AM180KXVGGH/EU	-	-
	Outdoor unit module 4				-	-	-
Power Supply				Φ, #, V, Hz	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
Mode				-	HEAT PUMP	HEAT PUMP	HEAT PUMP
Performance	HP			HP	34	36	38
	Capacity (Nominal)	Cooling		kW	95.20	100.80	106.40
				Btu/h	324,800	343,900	363,100
		Heating		kW	107.10	113.40	119.70
				Btu/h	365,400	386,900	408,400
	Total capacity of the connected Indoor Units 3)	Min.		kW	47.7	50.8	53.3
		Max.		kW	124.0	132.1	138.6
Power	Power Input (Nominal)	Cooling 1)		kW	19.86	21.36	23.18
		Heating 2)			19.70	21.04	23.27
	Current Input (Nominal)	Cooling 1)		A	31.90	34.20	37.10
		Heating 2)			31.70	33.80	37.40
	Current	Minimum Ssc value		MVA	14.2	17.5	16.9
		MCA(Minimum Circuit Amps)		A	**75.2**	**78.4**	**81.2**
		MFA/MOP(Maximum Fuse Amps)		A	**90.0**	**90.0**	**90.0**
		TOCA(Total Over Current Amps)		A	79.0	82.3	85.3
		FLA Total(Full Load Amps)		A	8.6	7.6	7.6
Capacity Control		Method		-	Inverter controlled	Inverter controlled	Inverter controlled
COP	Nominal Cooling 1)			W/W	4.79	4.72	4.59
	Nominal Heating 2)			W/W	5.44	5.39	5.14
	ESEER			W/W	7.6	7.25	7.02
Casing	Color			-	Earth brown	Earth brown	Earth brown
	Material			-	Painted galvanized steel plate	Painted galvanized steel plate	Painted galvanized steel plate
Heat exchanger	Type			-	Fin & Tube	Fin & Tube	Fin & Tube
	Fin	Treatment		-	Anti-corrosion treatment	Anti-corrosion treatment	Anti-corrosion treatment
Compressor	Type			-	SSC Scroll	SSC Scroll	SSC Scroll
	Output			kW × n	(6.39x2) + (5.18)x2	(6.39x2)x2	(6.39x2) + (6.39x2)
	Model Name			-	DS-GB066FAVB x 2 + DS-GB052FAVBSG x 2	DS-GB066FAVB x 4	DS-GB066FAVB x 4
	Oil	Type		-	PVE	PVE	PVE
		Initial Charge		cc	4400	4400	4400
Fan	Type			-	Propeller	Propeller	Propeller
	Discharge direction			-	Top	Top	Top
	Quantity			ea	4	4	4
	Air Flow Rate			m^3/min	290 + 170 x 2	290 x 2	290 x 2
				l/s	4,833.33 + 2,833.33 x 2	4,833.33 x 2	4,833.33 x 2
	External Static Pressure		Max.	mmAq	8.00	8.00	8.00
				Pa	78.45	78.45	78.45
Fan Motor	Model			-	BrushLess DC Motor	BrushLess DC Motor	BrushLess DC Motor
	Output x n			W	620.0 x 2 + (830.0 x 1) x 2	(620.0 x 2) x 2	(620.0 x 2) x 2
Piping Connections	Liquid Pipe			Type	Braze connection	Braze connection	Braze connection
				Φ, mm	19.05	19.05	19.05
				Φ, inch	3/4"	3/4"	3/4"
	Gas Pipe			Type	Braze connection	Braze connection	Braze connection
				Φ, mm	34.92	41.28	41.28
				Φ, inch	1 3/8"	1 5/8"	1 5/8"
	Heat insulation			-	Both liquid and gas pipes	Both liquid and gas pipes	Both liquid and gas pipes
	Discharge Gas Pipe			Φ, mm	-	-	-
				Φ, inch	-	-	-
	Piping length	ODU-IDU	Max.	m	200(220)	200(220)	200(220)
		After branch	Max.	m	90	90	90
	Total piping length	System	Actual	m	1000	1000	1000
	Level difference	ODU-IDU	Outdoor unit in highest position	m	110	110	110
			Indoor unit in highest position	m	110	110	110
		IDU-IDU	Max.	m	50	50	50
Maximum number of connectable indoor units				ea	61	64	64
Wiring connections	For power supply	Quantity		ea	5G	5G	5G
	For connection with indoor	Minimum		mm2	0.75	0.75	0.75
		Remark		-	F1,F2	F1,F2	F1,F2
	Power supply intake			-	Both indoor and outdoor unit	Both indoor and outdoor unit	Both indoor and outdoor unit
Refrigerant	Type			-	R410A	R410A	R410A
	Factory Charging			kg	21.40	16.80	16.80
Sound	Sound Pressure		Cooling	dB(A)	66	68	68
			Heating		68	70	70
	Sound Power		Nominal		90	92	92

Premium Energy Efficiency

Model Name				AM340KXVGGH2EU	AM360KXVGGH2EU	AM380KXVGGH2EU
External Dimension	Net Weight		kg	285.0 + 195.5 x 2	285.0 x 2	285.0 x 2
	Shipping Weight		kg	305.0 + 211.5 x 2	305.0 x 2	305.0 x 2
	Net Dimensions (WxHxD)		mm	1,295 x 1,695 x 765 + (880 x 1,695 x 765) x 2	(1,295 x 1,695 x 765) x 2	(1,295 x 1,695 x 765) x 2
	Shipping Dimensions (WxHxD)		mm	1,363 x 1,887 x 832 + (948 x 1,887 x 832) x 2	(1,363 x 1,887 x 832) x 2	(1,363 x 1,887 x 832) x 2
Operating Temp. Range	Cooling		℃	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0
	Heating		℃	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0
Defrost	Method		-	Reversed cycle	Reversed cycle	Reversed cycle
Safety devices	Item	1	-	High pressure switch	High pressure switch	High pressure switch
		2	-	Fan driver overload protector	Fan driver overload protector	Fan driver overload protector
		3	-	Inverter overload protector	Inverter overload protector	Inverter overload protector
		4	-	PC board fuse	PC board fuse	PC board fuse

* Specification may be subject to change without prior notice.
  Specification comply with EN14511.

1) Nominal cooling capacities are based on;
  - Indoor temperature : 27°C DB, 19°C WB
  - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m
2) 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
3) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
4) Sound pressure level is obtained in an anechoic room
  - Sound pressure level is a relative value, depending on the distance and acoustic environment.
  - Sound pressure level may differ depending on operation condition.
  - dBA = A-weighted sound pressure level
  - Reference acoustic pressure 0 dB = 20uPa
5) Sound power level is an absolute value that a sound source generates.
  - dBA = A-weighted sound power level
  - Reference power : 1pW
  - Measured according to ISO 3741
6) Sound values of multi combination are theoretical values based on sound results of individual installed units.
7) These products contain R410A which is fluorinated greenhouse gas.
8) 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 by PDM kit installation Guide software whether the PDM kit should be installed or not.)

*PDM kit: Pressure Drop Modulation kit
  When the outdoor unit is below the indoor unit & the level differences are 40m or more, contact your local dealer for more information.

※ In case you want to know more information regarding capacity and correction, please refer to capacity table TDB on pvi.samsung.com site.

Premium Energy Efficiency

Type				DVM S(NEW)	DVM S(NEW)	DVM S(NEW)
Model Name				AM400KXVGGH2EU	AM420KXVGGH2EU	AM440KXVGGH2EU
	Outdoor unit module 1			AM080JXVHGH/EU	AM080JXVHGH/EU	AM080JXVHGH/EU
	Outdoor unit module 2			AM140KXVGGH/EU	AM140KXVGGH/EU	AM180KXVGGH/EU
	Outdoor unit module 3			AM180KXVGGH/EU	AM200KXVGGH/EU	AM180KXVGGH/EU
	Outdoor unit module 4			-	-	-
Power Supply			Φ, #, V, Hz	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
Mode			-	HEAT PUMP	HEAT PUMP	HEAT PUMP
Performance	HP		HP	40	42	44
	Capacity (Nominal)	Cooling	kW	112.80	118.40	123.20
			Btu/h	384,900	404,000	420,400
		Heating	kW	126.90	133.20	138.60
			Btu/h	433,000	454,500	472,900
	Total capacity of the connected Indoor Units 3)	Min.	kW	56.0	58.8	62.0
		Max.	kW	145.6	152.9	161.2
Power	Power Input (Nominal)	Cooling 1)	kW	24.16	25.98	25.95
		Heating 2)		24.73	26.96	25.63
	Current Input (Nominal)	Cooling 1)	A	38.80	41.70	41.60
		Heating 2)		39.70	43.30	41.20
	Current	Minimum Ssc value	MVA	16.7	16.4	19.8
		MCA(Minimum Circuit Amps)	A	**82.2**	**85.0**	**96.4**
		MFA/MOP(Maximum Fuse Amps)	A	**90.0**	**100.0**	**125.0**
		TOCA(Total Over Current Amps)	A	86.3	89.3	101.2
		FLA Total(Full Load Amps)	A	10.0	10.0	10.0
Capacity Control		Method	-	Inverter controlled	Inverter controlled	Inverter controlled
COP	Nominal Cooling 1)		W/W	4.67	4.56	4.75
	Nominal Heating 2)		W/W	5.13	4.94	5.41
	ESEER		W/W	7.59	7.37	7.39
Casing	Color		-	Earth brown	Earth brown	Earth brown
	Material		-	Painted galvanized steel plate	Painted galvanized steel plate	Painted galvanized steel plate
Heat exchanger	Type		-	Fin & Tube	Fin & Tube	Fin & Tube
	Fin	Treatment	-	Anti-corrosion treatment	Anti-corrosion treatment	Anti-corrosion treatment
Compressor	Type		-	SSC Scroll	SSC Scroll	SSC Scroll
	Output		kW × n	(6.39) + (6.39x2) + (5.18)	(6.39) + (6.39x2) + (5.18)	(6.39x2)x2 + (5.18)
	Model Name		-	DS-GB066FAVB x 3 + DS-GB052FAVBSG x 1	DS-GB066FAVB x 3 + DS-GB052FAVBSG x 1	DS-GB066FAVB x 4 + DS-GB052FAVBSG x 1
	Oil	Type	-	PVE	PVE	PVE
		Initial Charge	cc	4400	4400	5500
Fan	Type		-	Propeller	Propeller	Propeller
	Discharge direction		-	Top	Top	Top
	Quantity		ea	5	5	5
	Air Flow Rate		m^3/min	255 + 290 + 170	255 + 290 + 170	290 x 2 + 170
			l/s	4,250.00 + 4,833.33 + 2,833.33	4,250.00 + 4,833.33 + 2,833.33	4,833.33 x 2 + 2,833.33
	External Static Pressure	Max.	mmAq	8.00	8.00	8.00
			Pa	78.45	78.45	78.45
Fan Motor	Model		-	BrushLess DC Motor	BrushLess DC Motor	BrushLess DC Motor
	Output x n		W	(620.0 x 2) x 2 + 830.0 x 1	(620.0 x 2) x 2 + 830.0 x 1	(620.0 x 2) x 2 + 830.0 x 1
Piping Connections	Liquid Pipe		Type	Braze connection	Braze connection	Braze connection
			Φ, mm	19.05	19.05	19.05
			Φ, inch	3/4"	3/4"	3/4"
	Gas Pipe		Type	Braze connection	Braze connection	Braze connection
			Φ, mm	41.28	41.28	41.28
			Φ, inch	1 5/8"	1 5/8"	1 5/8"
	Heat insulation		-	Both liquid and gas pipes	Both liquid and gas pipes	Both liquid and gas pipes
	Discharge Gas Pipe		Φ, mm	-	-	-
			Φ, inch	-	-	-
	Piping length	ODU-IDU Max.	m	200(220)	200(220)	200(220)
		After branch Max.	m	90	90	90
	Total piping length	System Actual	m	1000	1000	1000
	Level difference	ODU-IDU Outdoor unit in highest position	m	110	110	110
		ODU-IDU Indoor unit in highest position	m	110	110	110
		IDU-IDU Max.	m	50	50	50
Maximum number of connectable indoor units			ea	64	64	64
Wiring connections	For power supply	Quantity	ea	5G	5G	5G
	For connection with indoor	Minimum	mm2	0.75	0.75	0.75
		Remark	-	F1,F2	F1,F2	F1,F2
	Power supply intake		-	Both indoor and outdoor unit	Both indoor and outdoor unit	Both indoor and outdoor unit
Refrigerant	Type		-	R410A	R410A	R410A
	Factory Charging		kg	24.30	24.30	23.30
Sound	Sound Pressure	Cooling	dB(A)	67	67	68
		Heating		69	69	70
	Sound Power	Nominal		90	90	92

Premium Energy Efficiency

Model Name				AM400KXVGGH2EU	AM420KXVGGH2EU	AM440KXVGGH2EU
External Dimension	Net Weight		kg	241.0 + 285.0 + 195.5	241.0 + 285.0 + 195.5	285.0 x 2 + 195.5
	Shipping Weight		kg	261.0 + 305.0 + 211.5	261.0 + 305.0 + 211.5	305.0 x 2 + 211.5
	Net Dimensions (WxHxD)		mm	(1,295 x 1,695 x 765) x 2 + 880 x 1,695 x 765	(1,295 x 1,695 x 765) x 2 + 880 x 1,695 x 765	(1,295 x 1,695 x 765) x 2 + 880 x 1,695 x 765
	Shipping Dimensions (WxHxD)		mm	(1,363 x 1,887 x 832) x 2 + 948 x 1,887 x 832	(1,363 x 1,887 x 832) x 2 + 948 x 1,887 x 832	(1,363 x 1,887 x 832) x 2 + 948 x 1,887 x 832
Operating Temp. Range	Cooling		℃	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0
	Heating		℃	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0
Defrost	Method		-	Reversed cycle	Reversed cycle	Reversed cycle
Safety devices	Item	1	-	High pressure switch	High pressure switch	High pressure switch
		2	-	Fan driver overload protector	Fan driver overload protector	Fan driver overload protector
		3	-	Inverter overload protector	Inverter overload protector	Inverter overload protector
		4	-	PC board fuse	PC board fuse	PC board fuse

* Specification may be subject to change without prior notice.
  Specification comply with EN14511.

1) Nominal cooling capacities are based on;
  - Indoor temperature : 27°C DB, 19°C WB
  - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m
2) 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
3) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
4) Sound pressure level is obtained in an anechoic room
  - Sound pressure level is a relative value, depending on the distance and acoustic environment.
  - Sound pressure level may differ depending on operation condition.
  - dBA = A-weighted sound pressure level
  - Reference acoustic pressure 0 dB = 20uPa
5) Sound power level is an absolute value that a sound source generates.
  - dBA = A-weighted sound power level
  - Reference power : 1pW
  - Measured according to ISO 3741
6) Sound values of multi combination are theoretical values based on sound results of individual installed units.
7) These products contain R410A which is fluorinated greenhouse gas.
8) 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 by PDM kit installation Guide software whether the PDM kit should be installed or not.)

*PDM kit: Pressure Drop Modulation kit
  When the outdoor unit is below the indoor unit & the level differences are 40m or more, contact your local dealer for more information.

※ In case you want to know more information regarding capacity and correction, please refer to capacity table TDB on pvi.samsung.com site.

Premium Energy Efficiency

Type					DVM S(NEW)	DVM S(NEW)	DVM S(NEW)
Model Name					AM460KXVGGH2EU	AM480KXVGGH2EU	AM500KXVGGH2EU
	Outdoor unit module 1				AM080JXVHGH/EU	AM080JXVHGH/EU	AM140KXVGGH/EU
	Outdoor unit module 2				AM180KXVGGH/EU	AM200KXVGGH/EU	AM180KXVGGH/EU
	Outdoor unit module 3				AM200KXVGGH/EU	AM200KXVGGH/EU	AM180KXVGGH/EU
	Outdoor unit module 4				-	-	-
Power Supply				Φ, #, V, Hz	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
Mode				-	HEAT PUMP	HEAT PUMP	HEAT PUMP
Performance	HP			HP	46	48	50
	Capacity (Nominal)	Cooling		kW	128.80	134.40	140.80
				Btu/h	439,500	458,600	480,400
		Heating		kW	144.90	151.20	158.40
				Btu/h	494,400	515,900	540,500
	Total capacity of the connected Indoor Units 3)	Min.		kW	64.5	67.2	70.0
		Max.		kW	167.7	174.7	182.0
Power	Power Input (Nominal)	Cooling 1)		kW	27.77	29.59	30.25
		Heating 2)			27.86	30.09	30.66
	Current Input (Nominal)	Cooling 1)		A	44.50	47.40	48.50
		Heating 2)			44.80	48.40	49.20
	Current	Minimum Ssc value		MVA	19.4	18.9	22.8
		MCA(Minimum Circuit Amps)		A	**99.2**	**102.0**	**103.4**
		MFA/MOP(Maximum Fuse Amps)		A	**125.0**	**125.0**	**125.0**
		TOCA(Total Over Current Amps)		A	104.2	107.1	108.6
		FLA Total(Full Load Amps)		A	10.0	10.0	11.4
Capacity Control		Method		-	Inverter controlled	Inverter controlled	Inverter controlled
COP	Nominal Cooling 1)			W/W	4.64	4.54	4.65
	Nominal Heating 2)			W/W	5.20	5.02	5.17
	ESEER			W/W	7.19	7.02	7.4
Casing	Color			-	Earth brown	Earth brown	Earth brown
	Material			-	Painted galvanized steel plate	Painted galvanized steel plate	Painted galvanized steel plate
Heat exchanger	Type			-	Fin & Tube	Fin & Tube	Fin & Tube
	Fin	Treatment		-	Anti-corrosion treatment	Anti-corrosion treatment	Anti-corrosion treatment
Compressor	Type			-	SSC Scroll	SSC Scroll	SSC Scroll
	Output			kW × n	(6.39x2) + (6.39x2) + (5.18)	(6.39x2)x2 + (5.18)	(6.39) + (6.39x2)x2
	Model Name			-	DS-GB066FAVB x 4 + DS-GB052FAVBSG x 1	DS-GB066FAVB x 4 + DS-GB052FAVBSG x 1	DS-GB066FAVB x 5
	Oil	Type		-	PVE	PVE	PVE
		Initial Charge		cc	5500	5500	5500
Fan	Type			-	Propeller	Propeller	Propeller
	Discharge direction			-	Top	Top	Top
	Quantity			ea	5	5	6
	Air Flow Rate			m^3/min	290 x 2 + 170	290 x 2 + 170	255 + 290 x 2
				l/s	4,833.33 x 2 + 2,833.33	4,833.33 x 2 + 2,833.33	4,250.00 + 4,833.33 x 2
	External Static Pressure		Max.	mmAq	8.00	8.00	8.00
				Pa	78.45	78.45	78.45
Fan Motor	Model			-	BrushLess DC Motor	BrushLess DC Motor	BrushLess DC Motor
	Output x n			W	(620.0 x 2) x 2 + 830.0 x 1	(620.0 x 2) x 2 + 830.0 x 1	(620.0 x 2) x 3
Piping Connections	Liquid Pipe			Type	Braze connection	Braze connection	Braze connection
				Φ, mm	19.05	19.05	19.05
				Φ, inch	3/4"	3/4"	3/4"
	Gas Pipe			Type	Braze connection	Braze connection	Braze connection
				Φ, mm	41.28	41.28	41.28
				Φ, inch	1 5/8"	1 5/8"	1 5/8"
	Heat insulation			-	Both liquid and gas pipes	Both liquid and gas pipes	Both liquid and gas pipes
	Discharge Gas Pipe			Φ, mm	-	-	-
				Φ, inch	-	-	-
	Piping length	ODU-IDU	Max.	m	200(220)	200(220)	200(220)
		After branch	Max.	m	90	90	90
	Total piping length	System	Actual	m	1000	1000	1000
	Level difference	ODU-IDU	Outdoor unit in highest position	m	110	110	110
			Indoor unit in highest position	m	110	110	110
		IDU-IDU	Max.	m	50	50	50
Maximum number of connectable indoor units				ea	64	64	64
Wiring connections	For power supply	Quantity		ea	5G	5G	5G
	For connection with indoor	Minimum		mm2	0.75	0.75	0.75
		Remark		-	F1,F2	F1,F2	F1,F2
	Power supply intake			-	Both indoor and outdoor unit	Both indoor and outdoor unit	Both indoor and outdoor unit
Refrigerant	Type			-	R410A	R410A	R410A
	Factory Charging			kg	23.30	23.30	26.20
Sound	Sound Pressure		Cooling	dB(A)	68	68	69
			Heating		70	70	71
	Sound Power		Nominal		92	92	92

Premium Energy Efficiency

Model Name				AM460KXVGGH2EU	AM480KXVGGH2EU	AM500KXVGGH2EU
External Dimension	Net Weight		kg	285.0 x 2 + 195.5	285.0 x 2 + 195.5	241.0 + 285.0 x 2
	Shipping Weight		kg	305.0 x 2 + 211.5	305.0 x 2 + 211.5	261.0 + 305.0 x 2
	Net Dimensions (WxHxD)		mm	(1,295 x 1,695 x 765) x 2 + 880 x 1,695 x 765	(1,295 x 1,695 x 765) x 2 + 880 x 1,695 x 765	(1,295 x 1,695 x 765) x 3
	Shipping Dimensions (WxHxD)		mm	(1,363 x 1,887 x 832) x 2 + 948 x 1,887 x 832	(1,363 x 1,887 x 832) x 2 + 948 x 1,887 x 832	(1,363 x 1,887 x 832) x 3
Operating Temp. Range	Cooling		℃	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0
	Heating		℃	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0
Defrost	Method		-	Reversed cycle	Reversed cycle	Reversed cycle
Safety devices	Item	1	-	High pressure switch	High pressure switch	High pressure switch
		2	-	Fan driver overload protector	Fan driver overload protector	Fan driver overload protector
		3	-	Inverter overload protector	Inverter overload protector	Inverter overload protector
		4	-	PC board fuse	PC board fuse	PC board fuse

* Specification may be subject to change without prior notice.
  Specification comply with EN14511.

1) Nominal cooling capacities are based on;
  - Indoor temperature : 27°C DB, 19°C WB
  - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m
2) 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
3) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
4) Sound pressure level is obtained in an anechoic room
  - Sound pressure level is a relative value, depending on the distance and acoustic environment.
  - Sound pressure level may differ depending on operation condition.
  - dBA = A-weighted sound pressure level
  - Reference acoustic pressure 0 dB = 20uPa
5) Sound power level is an absolute value that a sound source generates.
  - dBA = A-weighted sound power level
  - Reference power : 1pW
  - Measured according to ISO 3741
6) Sound values of multi combination are theoretical values based on sound results of individual installed units.
7) These products contain R410A which is fluorinated greenhouse gas.
8) 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 by PDM kit installation Guide software whether the PDM kit should be installed or not.)

*PDM kit: Pressure Drop Modulation kit
  When the outdoor unit is below the indoor unit & the level differences are 40m or more, contact your local dealer for more information.

※ In case you want to know more information regarding capacity and correction, please refer to capacity table TDB on pvi.samsung.com site.

Premium Energy Efficiency

Type					DVM S(NEW)	DVM S(NEW)	DVM S(NEW)
Model Name					AM520KXVGGH2EU	AM540KXVGGH2EU	AM560KXVGGH2EU
	Outdoor unit module 1				AM080JXVHGH/EU	AM080JXVHGH/EU	AM120JXVHGH/EU
	Outdoor unit module 2				AM180KXVGGH/EU	AM200KXVGGH/EU	AM180KXVGGH/EU
	Outdoor unit module 3				AM260KXVGGH/EU	AM260KXVGGH/EU	AM260KXVGGH/EU
	Outdoor unit module 4				-	-	-
Power Supply				Φ, #, V, Hz	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
Mode				-	HEAT PUMP	HEAT PUMP	HEAT PUMP
Performance	HP			HP	52	54	56
	Capacity (Nominal)	Cooling		kW	145.60	151.20	156.80
				Btu/h	496,800	515,900	535,000
		Heating		kW	163.80	170.10	176.40
				Btu/h	558,900	580,400	601,900
	Total capacity of the connected Indoor Units 3)	Min.		kW	72.8	75.6	78.4
		Max.		kW	189.3	196.6	203.8
Power	Power Input (Nominal)	Cooling 1)		kW	32.60	34.42	35.58
		Heating 2)			32.17	34.40	35.14
	Current Input (Nominal)	Cooling 1)		A	52.30	55.20	57.00
		Heating 2)			51.70	55.30	56.40
	Current	Minimum Ssc value		MVA	23.3	22.7	26.7
		MCA(Minimum Circuit Amps)		A	**117.2**	**120.0**	**124.2**
		MFA/MOP(Maximum Fuse Amps)		A	**150.0**	**150.0**	**150.0**
		TOCA(Total Over Current Amps)		A	123.1	126.0	130.4
		FLA Total(Full Load Amps)		A	7.6	7.6	7.6
Capacity Control		Method		-	Inverter controlled	Inverter controlled	Inverter controlled
COP	Nominal Cooling 1)			W/W	4.47	4.39	4.41
	Nominal Heating 2)			W/W	5.09	4.94	5.02
	ESEER			W/W	7.33	7.16	7.21
Casing	Color			-	Earth brown	Earth brown	Earth brown
	Material			-	Painted galvanized steel plate	Painted galvanized steel plate	Painted galvanized steel plate
Heat exchanger	Type			-	Fin & Tube	Fin & Tube	Fin & Tube
	Fin	Treatment		-	Anti-corrosion treatment	Anti-corrosion treatment	Anti-corrosion treatment
Compressor	Type			-	SSC Scroll	SSC Scroll	SSC Scroll
	Output			kW × n	(6.39x2) + (7.81x2) + (5.18)	(6.39x2) + (7.81x2) + (5.18)	(6.39x2) + (7.81x2) + (6.39)
	Model Name			-	DS-GB066FAVB x 2 + DS4GJ5080FVA x 2 + DS-GB052FAVBSG x 1	DS-GB066FAVB x 2 + DS4GJ5080FVA x 2 + DS-GB052FAVBSG x 1	DS-GB066FAVB x 2 + DS4GJ5080FVA x 2 + DS-GB066FAVBSG x 1
	Oil	Type		-	PVE	PVE	PVE
		Initial Charge		cc	6100	6100	6100
Fan	Type			-	Propeller	Propeller	Propeller
	Discharge direction			-	Top	Top	Top
	Quantity			ea	5	5	5
	Air Flow Rate			m^3/min	290 + 340 + 170	290 + 340 + 170	290 + 340 + 220
				l/s	4,833.33 + 5,666.67 + 2,833.33	4,833.33 + 5,666.67 + 2,833.33	4,833.33 + 5,666.67 + 3,666.67
	External Static Pressure		Max.	mmAq	8.00	8.00	8.00
				Pa	78.45	78.45	78.45
Fan Motor	Model			-	BrushLess DC Motor	BrushLess DC Motor	BrushLess DC Motor
	Output x n			W	(620.0 x 2) x 2 + 830.0 x 1	(620.0 x 2) x 2 + 830.0 x 1	(620.0 x 2) x 2 + 830.0 x 1
Piping Connections	Liquid Pipe			Type	Braze connection	Braze connection	Braze connection
				Φ, mm	19.05	19.05	19.05
				Φ, inch	3/4"	3/4"	3/4"
	Gas Pipe			Type	Braze connection	Braze connection	Braze connection
				Φ, mm	41.28	41.28	41.28
				Φ, inch	1 5/8"	1 5/8"	1 5/8"
	Heat insulation			-	Both liquid and gas pipes	Both liquid and gas pipes	Both liquid and gas pipes
	Discharge Gas Pipe			Φ, mm	-	-	-
				Φ, inch	-	-	-
	Piping length	ODU-IDU	Max.	m	200(220)	200(220)	200(220)
		After branch	Max.	m	90	90	90
	Total piping length	System	Actual	m	1000	1000	1000
	Level difference	ODU-IDU	Outdoor unit in highest position	m	110	110	110
			Indoor unit in highest position	m	110	110	110
		IDU-IDU	Max.	m	50	50	50
Maximum number of connectable indoor units				ea	64	64	64
Wiring connections	For power supply	Quantity		ea	5G	5G	5G
	For connection with indoor	Minimum		mm2	0.75	0.75	0.75
		Remark		-	F1,F2	F1,F2	F1,F2
	Power supply intake			-	Both indoor and outdoor unit	Both indoor and outdoor unit	Both indoor and outdoor unit
Refrigerant	Type			-	R410A	R410A	R410A
	Factory Charging			kg	28.90	28.90	28.90
Sound	Sound Pressure		Cooling	dB(A)	71	71	71
			Heating		73	73	73
	Sound Power		Nominal		93	93	93

Premium Energy Efficiency

Model Name				AM520KXVGGH2EU	AM540KXVGGH2EU	AM560KXVGGH2EU
External Dimension	Net Weight		kg	285.0 + 350.0 + 195.5	285.0 + 350.0 + 195.5	285.0 + 350.0 + 195.5
	Shipping Weight		kg	305.0 + 372.0 + 211.5	305.0 + 372.0 + 211.5	305.0 + 372.0 + 211.5
	Net Dimensions (WxHxD)		mm	1,295 x 1,695 x 765 + 1,295 x 1,795 x 765 + 880 x 1,695 x 765	1,295 x 1,695 x 765 + 1,295 x 1,795 x 765 + 880 x 1,695 x 765	1,295 x 1,695 x 765 + 1,295 x 1,795 x 765 + 880 x 1,695 x 765
	Shipping Dimensions (WxHxD)		mm	1,363 x 1,887 x 832 + 1,363 x 1,987 x 832 + 948 x 1,887 x 832	1,363 x 1,887 x 832 + 1,363 x 1,987 x 832 + 948 x 1,887 x 832	1,363 x 1,887 x 832 + 1,363 x 1,987 x 832 + 948 x 1,887 x 832
Operating Temp. Range	Cooling		℃	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0
	Heating		℃	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0
Defrost	Method		-	Reversed cycle	Reversed cycle	Reversed cycle
Safety devices	Item	1	-	High pressure switch	High pressure switch	High pressure switch
		2	-	Fan driver overload protector	Fan driver overload protector	Fan driver overload protector
		3	-	Inverter overload protector	Inverter overload protector	Inverter overload protector
		4	-	PC board fuse	PC board fuse	PC board fuse

* Specification may be subject to change without prior notice.
  Specification comply with EN14511.

1) Nominal cooling capacities are based on;
  - Indoor temperature : 27°C DB, 19°C WB
  - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m
2) 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
3) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
4) Sound pressure level is obtained in an anechoic room
  - Sound pressure level is a relative value, depending on the distance and acoustic environment.
  - Sound pressure level may differ depending on operation condition.
  - dBA = A-weighted sound pressure level
  - Reference acoustic pressure 0 dB = 20uPa
5) Sound power level is an absolute value that a sound source generates.
  - dBA = A-weighted sound power level
  - Reference power : 1pW
  - Measured according to ISO 3741
6) Sound values of multi combination are theoretical values based on sound results of individual installed units.
7) These products contain R410A which is fluorinated greenhouse gas.
8) 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 by PDM kit installation Guide software whether the PDM kit should be installed or not.)

*PDM kit: Pressure Drop Modulation kit
  When the outdoor unit is below the indoor unit & the level differences are 40m or more, contact your local dealer for more information.

※ In case you want to know more information regarding capacity and correction, please refer to capacity table TDB on pvi.samsung.com site.

Premium Energy Efficiency

Type				DVM S(NEW)	DVM S(NEW)	DVM S(NEW)
Model Name				AM580KXVGGH2EU	AM600KXVGGH2EU	AM620KXVGGH2EU
	Outdoor unit module 1			AM080JXVHGH/EU	AM180KXVGGH/EU	AM080JXVHGH/EU
	Outdoor unit module 2			AM240KXVGGH/EU	AM180KXVGGH/EU	AM180KXVGGH/EU
	Outdoor unit module 3			AM260KXVGGH/EU	AM240KXVGGH/EU	AM180KXVGGH/EU
	Outdoor unit module 4			-	-	AM180KXVGGH/EU
Power Supply			Φ, #, V, Hz	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
Mode			-	HEAT PUMP	HEAT PUMP	HEAT PUMP
Performance	HP		HP	58	60	62
	Capacity (Nominal)	Cooling	kW	162.40	168.00	173.60
			Btu/h	554,100	573,200	592,300
		Heating	kW	182.70	189.00	195.30
			Btu/h	623,400	644,900	666,400
	Total capacity of the connected Indoor Units 3)	Min.	kW	81.3	84.0	87.2
		Max.	kW	211.4	218.4	226.7
Power	Power Input (Nominal)	Cooling 1)	kW	37.92	37.36	36.63
		Heating 2)		37.08	36.47	36.15
	Current Input (Nominal)	Cooling 1)	A	60.90	59.90	58.70
		Heating 2)		59.50	58.50	58.10
	Current	Minimum Ssc value	MVA	26.6	30.0	28.6
		MCA(Minimum Circuit Amps)	A	**133.0**	**133.4**	**135.6**
		MFA/MOP(Maximum Fuse Amps)	A	**150.0**	**150.0**	**150.0**
		TOCA(Total Over Current Amps)	A	139.7	140.1	142.4
		FLA Total(Full Load Amps)	A	10.0	11.4	13.8
Capacity Control		Method	-	Inverter controlled	Inverter controlled	Inverter controlled
COP	Nominal Cooling 1)		W/W	4.28	4.50	4.74
	Nominal Heating 2)		W/W	4.93	5.18	5.40
	ESEER		W/W	7.29	7.22	7.35
Casing	Color		-	Earth brown	Earth brown	Earth brown
	Material		-	Painted galvanized steel plate	Painted galvanized steel plate	Painted galvanized steel plate
Heat exchanger	Type		-	Fin & Tube	Fin & Tube	Fin & Tube
	Fin	Treatment	-	Anti-corrosion treatment	Anti-corrosion treatment	Anti-corrosion treatment
Compressor	Type		-	SSC Scroll	SSC Scroll	SSC Scroll
	Output		kW × n	(6.76x2) + (7.81x2) + (5.18)	(6.39x2)x2 + (6.76x2)	(6.39x2)x3 + (5.18)
	Model Name		-	DS-GB070FAVA x 2 + DS4GJ5080FVA x 2 + DS-GB052FAVBSG x 1	DS-GB066FAVB x 4 + DS-GB070FAVA x 2	DS-GB066FAVB x 6 + DS-GB052FAVBSG x 1
	Oil	Type	-	PVE	PVE	PVE
		Initial Charge	cc	6100	6600	7700
Fan	Type		-	Propeller	Propeller	Propeller
	Discharge direction		-	Top	Top	Top
	Quantity		ea	5	6	7
	Air Flow Rate		m^3/min	340 x 2 + 170	290 x 2 + 340	290 x 3 + 170
			l/s	5,666.67 x 2 + 2,833.33	4,833.33 x 2 + 5,666.67	4,833.33 x 3 + 2,833.33
	External Static Pressure	Max.	mmAq	8.00	8.00	8.00
			Pa	78.45	78.45	78.45
Fan Motor	Model		-	BrushLess DC Motor	BrushLess DC Motor	BrushLess DC Motor
	Output x n		W	(620.0 x 2) x 2 + 830.0 x 1	(620.0 x 2) x 3	(620.0 x 2) x 3 + 830.0 x 1
Piping Connections	Liquid Pipe		Type	Braze connection	Braze connection	Braze connection
			Φ, mm	19.05	19.05	22.22
			Φ, inch	3/4"	3/4"	7/8"
	Gas Pipe		Type	Braze connection	Braze connection	Braze connection
			Φ, mm	41.28	41.28	53.98
			Φ, inch	1 5/8"	1 5/8"	2 1/8"
	Heat insulation		-	Both liquid and gas pipes	Both liquid and gas pipes	Both liquid and gas pipes
	Discharge Gas Pipe		Φ, mm	-	-	-
			Φ, inch	-	-	-
	Piping length	ODU-IDU Max.	m	200(220)	200(220)	200(220)
		After branch Max.	m	90	90	90
	Total piping length	System Actual	m	1000	1000	1000
	Level difference	ODU-IDU Outdoor unit in highest position	m	110	110	110
		ODU-IDU Indoor unit in highest position	m	110	110	110
		IDU-IDU Max.	m	50	50	50
Maximum number of connectable indoor units			ea	64	64	64
Wiring connections	For power supply	Quantity	ea	5G	5G	5G
	For connection with indoor	Minimum	mm2	0.75	0.75	0.75
		Remark	-	F1,F2	F1,F2	F1,F2
	Power supply intake		-	Both indoor and outdoor unit	Both indoor and outdoor unit	Both indoor and outdoor unit
Refrigerant	Type		-	R410A	R410A	R410A
	Factory Charging		kg	34.50	30.80	31.70
Sound	Sound Pressure	Cooling	dB(A)	72	72	70
		Heating		74	74	72
	Sound Power	Nominal		93	94	94

Premium Energy Efficiency

Model Name				AM580KXVGGH2EU	AM600KXVGGH2EU	AM620KXVGGH2EU
External Dimension	Net Weight		kg	342.0 + 350.0 + 195.5	285.0 x 2 + 342.0	285.0 x 3 + 195.5
	Shipping Weight		kg	364.0 + 372.0 + 211.5	305.0 x 2 + 364.0	305.0 x 3 + 211.5
	Net Dimensions (WxHxD)		mm	(1,295 x 1,795 x 765) x 2 + 880 x 1,695 x 765	(1,295 x 1,695 x 765) x 2 + 1,295 x 1,795 x 765	(1,295 x 1,695 x 765) x 3 + 880 x 1,695 x 765
	Shipping Dimensions (WxHxD)		mm	(1,363 x 1,987 x 832) x 2 + 948 x 1,887 x 832	(1,363 x 1,887 x 832) x 2 + 1,363 x 1,987 x 832	(1,363 x 1,887 x 832) x 3 + 948 x 1,887 x 832
Operating Temp. Range	Cooling		℃	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0
	Heating		℃	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0
Defrost	Method		-	Reversed cycle	Reversed cycle	Reversed cycle
Safety devices	Item	1	-	High pressure switch	High pressure switch	High pressure switch
		2	-	Fan driver overload protector	Fan driver overload protector	Fan driver overload protector
		3	-	Inverter overload protector	Inverter overload protector	Inverter overload protector
		4	-	PC board fuse	PC board fuse	PC board fuse

* Specification may be subject to change without prior notice.
  Specification comply with EN14511.

1) Nominal cooling capacities are based on;
  - Indoor temperature : 27°C DB, 19°C WB
  - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m
2) 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
3) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
4) Sound pressure level is obtained in an anechoic room
  - Sound pressure level is a relative value, depending on the distance and acoustic environment.
  - Sound pressure level may differ depending on operation condition.
  - dBA = A-weighted sound pressure level
  - Reference acoustic pressure 0 dB = 20uPa
5) Sound power level is an absolute value that a sound source generates.
  - dBA = A-weighted sound power level
  - Reference power : 1pW
  - Measured according to ISO 3741
6) Sound values of multi combination are theoretical values based on sound results of individual installed units.
7) These products contain R410A which is fluorinated greenhouse gas.
8) 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 by PDM kit installation Guide software whether the PDM kit should be installed or not.)

*PDM kit: Pressure Drop Modulation kit
  When the outdoor unit is below the indoor unit & the level differences are 40m or more, contact your local dealer for more information.

※ In case you want to know more information regarding capacity and correction, please refer to capacity table TDB on pvi.samsung.com site.

Premium Energy Efficiency

Type				DVM S(NEW)	DVM S(NEW)	DVM S(NEW)
Model Name				AM640KXVGGH2EU	AM660KXVGGH2EU	AM680KXVGGH2EU
	Outdoor unit module 1			AM080JXVHGH/EU	AM120JXVHGH/EU	AM140KXVGGH/EU
	Outdoor unit module 2			AM180KXVGGH/EU	AM180KXVGGH/EU	AM180KXVGGH/EU
	Outdoor unit module 3			AM180KXVGGH/EU	AM180KXVGGH/EU	AM180KXVGGH/EU
	Outdoor unit module 4			AM200KXVGGH/EU	AM180KXVGGH/EU	AM180KXVGGH/EU
Power Supply			Φ, #, V, Hz	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
Mode			-	HEAT PUMP	HEAT PUMP	HEAT PUMP
Performance	HP		HP	64	66	68
	Capacity (Nominal)	Cooling	kW	179.20	184.80	191.20
			Btu/h	611,500	630,600	652,400
		Heating	kW	201.60	207.90	215.10
			Btu/h	687,900	709,400	734,000
	Total capacity of the connected Indoor Units 3)	Min.	kW	89.7	92.4	95.2
		Max.	kW	233.2	240.2	247.5
Power	Power Input (Nominal)	Cooling 1)	kW	38.45	39.61	40.93
		Heating 2)		38.38	39.12	41.18
	Current Input (Nominal)	Cooling 1)	A	61.60	63.40	65.60
		Heating 2)		61.70	62.80	66.10
	Current	Minimum Ssc value	MVA	28.1	31.7	31.6
		MCA(Minimum Circuit Amps)	A	**138.4**	**142.6**	**142.6**
		MFA/MOP(Maximum Fuse Amps)	A	**175.0**	**175.0**	**175.0**
		TOCA(Total Over Current Amps)	A	145.3	149.7	149.7
		FLA Total(Full Load Amps)	A	13.8	11.4	15.2
Capacity Control		Method	-	Inverter controlled	Inverter controlled	Inverter controlled
COP	Nominal Cooling 1)		W/W	4.66	4.67	4.67
	Nominal Heating 2)		W/W	5.25	5.31	5.22
	ESEER		W/W	7.21	7.25	7.36
Casing	Color		-	Earth brown	Earth brown	Earth brown
	Material		-	Painted galvanized steel plate	Painted galvanized steel plate	Painted galvanized steel plate
Heat exchanger	Type		-	Fin & Tube	Fin & Tube	Fin & Tube
	Fin	Treatment	-	Anti-corrosion treatment	Anti-corrosion treatment	Anti-corrosion treatment
Compressor	Type		-	SSC Scroll	SSC Scroll	SSC Scroll
	Output		kW × n	(6.39x2)x2 + (6.39x2) + (5.18)	(6.39x2)x3 + (6.39)	(6.39) + (6.39x2)x3
	Model Name		-	DS-GB066FAVB x 6 + DS-GB052FAVBSG x 1	DS-GB066FAVB x 6 + DS-GB066FAVBSG x 1	DS-GB066FAVB x 7
	Oil	Type	-	PVE	PVE	PVE
		Initial Charge	cc	7700	7700	7700
Fan	Type		-	Propeller	Propeller	Propeller
	Discharge direction		-	Top	Top	Top
	Quantity		ea	7	7	8
	Air Flow Rate		m^3/min	290 x 3 + 170	290 x 3 + 220	255 + 290 x 3
			l/s	4,833.33 x 3 + 2,833.33	4,833.33 x 3 + 3,666.67	4,250.00 + 4,833.33 x 3
	External Static Pressure	Max.	mmAq	8.00	8.00	8.00
			Pa	78.45	78.45	78.45
Fan Motor	Model		-	BrushLess DC Motor	BrushLess DC Motor	BrushLess DC Motor
	Output x n		W	(620.0 x 2) x 3 + 830.0 x 1	(620.0 x 2) x 3 + 830.0 x 1	(620.0 x 2) x 4
Piping Connections	Liquid Pipe		Type	Braze connection	Braze connection	Braze connection
			Φ, mm	22.22	22.22	22.22
			Φ, inch	7/8"	7/8"	7/8"
	Gas Pipe		Type	Braze connection	Braze connection	Braze connection
			Φ, mm	53.98	53.98	53.98
			Φ, inch	2 1/8"	2 1/8"	2 1/8"
	Heat insulation		-	Both liquid and gas pipes	Both liquid and gas pipes	Both liquid and gas pipes
	Discharge Gas Pipe		Φ, mm	-	-	-
			Φ, inch	-	-	-
	Piping length	ODU-IDU Max.	m	200(220)	200(220)	200(220)
		After branch Max.	m	90	90	90
	Total piping length	System Actual	m	1000	1000	1000
	Level difference	ODU-IDU Outdoor unit in highest position	m	110	110	110
		ODU-IDU Indoor unit in highest position	m	110	110	110
		IDU-IDU Max.	m	50	50	50
Maximum number of connectable indoor units			ea	64	64	64
Wiring connections	For power supply	Quantity	ea	5G	5G	5G
	For connection with indoor	Minimum	mm2	0.75	0.75	0.75
		Remark	-	F1,F2	F1,F2	F1,F2
	Power supply intake		-	Both indoor and outdoor unit	Both indoor and outdoor unit	Both indoor and outdoor unit
Refrigerant	Type		-	R410A	R410A	R410A
	Factory Charging		kg	31.70	31.70	34.60
Sound	Sound Pressure	Cooling	dB(A)	70	70	70
		Heating		72	72	72
	Sound Power	Nominal		94	94	94

Premium Energy Efficiency

Model Name				AM640KXVGGH2EU	AM660KXVGGH2EU	AM680KXVGGH2EU
External Dimension	Net Weight		kg	285.0 x 3 + 195.5	285.0 x 3 + 195.5	241.0 + 285.0 x 3
	Shipping Weight		kg	305.0 x 3 + 211.5	305.0 x 3 + 211.5	261.0 + 305.0 x 3
	Net Dimensions (WxHxD)		mm	(1,295 x 1,695 x 765) x 3 + 880 x 1,695 x 765	(1,295 x 1,695 x 765) x 3 + 880 x 1,695 x 765	(1,295 x 1,695 x 765) x 4
	Shipping Dimensions (WxHxD)		mm	(1,363 x 1,887 x 832) x 3 + 948 x 1,887 x 832	(1,363 x 1,887 x 832) x 3 + 948 x 1,887 x 832	(1,363 x 1,887 x 832) x 4
Operating Temp. Range	Cooling		℃	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0
	Heating		℃	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0
Defrost	Method		-	Reversed cycle	Reversed cycle	Reversed cycle
Safety devices	Item	1	-	High pressure switch	High pressure switch	High pressure switch
		2	-	Fan driver overload protector	Fan driver overload protector	Fan driver overload protector
		3	-	Inverter overload protector	Inverter overload protector	Inverter overload protector
		4	-	PC board fuse	PC board fuse	PC board fuse

* Specification may be subject to change without prior notice.
  Specification comply with EN14511.

1) Nominal cooling capacities are based on;
  - Indoor temperature : 27°C DB, 19°C WB
  - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m
2) 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
3) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
4) Sound pressure level is obtained in an anechoic room
  - Sound pressure level is a relative value, depending on the distance and acoustic environment.
  - Sound pressure level may differ depending on operation condition.
  - dBA = A-weighted sound pressure level
  - Reference acoustic pressure 0 dB = 20uPa
5) Sound power level is an absolute value that a sound source generates.
  - dBA = A-weighted sound power level
  - Reference power : 1pW
  - Measured according to ISO 3741
6) Sound values of multi combination are theoretical values based on sound results of individual installed units.
7) These products contain R410A which is fluorinated greenhouse gas.
8) 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 by PDM kit installation Guide software whether the PDM kit should be installed or not.)

*PDM kit: Pressure Drop Modulation kit
  When the outdoor unit is below the indoor unit & the level differences are 40m or more, contact your local dealer for more information.

※ In case you want to know more information regarding capacity and correction, please refer to capacity table TDB on pvi.samsung.com site.

Premium Energy Efficiency

Type					DVM S(NEW)	DVM S(NEW)	DVM S(NEW)
Model Name					AM700KXVGGH2EU	AM720KXVGGH2EU	AM740KXVGGH2EU
	Outdoor unit module 1				AM080JXVHGH/EU	AM180KXVGGH/EU	AM180KXVGGH/EU
	Outdoor unit module 2				AM180KXVGGH/EU	AM180KXVGGH/EU	AM180KXVGGH/EU
	Outdoor unit module 3				AM180KXVGGH/EU	AM180KXVGGH/EU	AM180KXVGGH/EU
	Outdoor unit module 4				AM260KXVGGH/EU	AM180KXVGGH/EU	AM200KXVGGH/EU
Power Supply				Φ, #, V, Hz	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
Mode				-	HEAT PUMP	HEAT PUMP	HEAT PUMP
Performance	HP			HP	70	72	74
	Capacity (Nominal)	Cooling		kW	196.00	201.60	207.20
				Btu/h	668,800	687,900	707,000
		Heating		kW	220.50	226.80	233.10
				Btu/h	752,400	773,900	795,400
	Total capacity of the connected Indoor Units 3)	Min.		kW	98.0	100.8	103.6
		Max.		kW	254.8	262.1	269.4
Power	Power Input (Nominal)	Cooling 1)		kW	43.28	42.72	44.54
		Heating 2)			42.69	42.08	44.31
	Current Input (Nominal)	Cooling 1)		A	69.40	68.40	71.30
		Heating 2)			68.60	67.60	71.20
	Current	Minimum Ssc value		MVA	32.1	35.1	34.5
		MCA(Minimum Circuit Amps)		A	**156.4**	**156.8**	**159.6**
		MFA/MOP(Maximum Fuse Amps)		A	**175.0**	**175.0**	**200.0**
		TOCA(Total Over Current Amps)		A	164.2	164.6	167.6
		FLA Total(Full Load Amps)		A	13.8	15.2	15.2
Capacity Control		Method		-	Inverter controlled	Inverter controlled	Inverter controlled
COP	Nominal Cooling 1)			W/W	4.53	4.72	4.65
	Nominal Heating 2)			W/W	5.17	5.39	5.26
	ESEER			W/W	7.31	7.25	7.13
Casing	Color			-	Earth brown	Earth brown	Earth brown
	Material			-	Painted galvanized steel plate	Painted galvanized steel plate	Painted galvanized steel plate
Heat exchanger	Type			-	Fin & Tube	Fin & Tube	Fin & Tube
	Fin	Treatment		-	Anti-corrosion treatment	Anti-corrosion treatment	Anti-corrosion treatment
Compressor	Type			-	SSC Scroll	SSC Scroll	SSC Scroll
	Output			kW × n	(6.39x2)x2 + (7.81x2) + (5.18)	(6.39x2)x4	(6.39x2)x3 + (6.39x2)
	Model Name			-	DS-GB066FAVB x 4 + DS4GJ5080FVA x 2 + DS-GB052FAVBSG x 1	DS-GB066FAVB x 8	DS-GB066FAVB x 8
	Oil	Type		-	PVE	PVE	PVE
		Initial Charge		cc	8300	8800	8800
Fan	Type			-	Propeller	Propeller	Propeller
	Discharge direction			-	Top	Top	Top
	Quantity			ea	7	8	8
	Air Flow Rate			m^3/min	290 x 2 + 340 + 170	290 x 4	290 x 4
				l/s	4,833.33 x 2 + 5,666.67 + 2,833.33	4,833.33 x 4	4,833.33 x 4
	External Static Pressure		Max.	mmAq	8.00	8.00	8.00
				Pa	78.45	78.45	78.45
Fan Motor	Model			-	BrushLess DC Motor	BrushLess DC Motor	BrushLess DC Motor
	Output x n			W	(620.0 x 2) x 3 + 830.0 x 1	(620.0 x 2) x 4	(620.0 x 2) x 4
Piping Connections	Liquid Pipe			Type	Braze connection	Braze connection	Braze connection
				Φ, mm	22.22	22.22	22.22
				Φ, inch	7/8"	7/8"	7/8"
	Gas Pipe			Type	Braze connection	Braze connection	Braze connection
				Φ, mm	53.98	53.98	53.98
				Φ, inch	2 1/8"	2 1/8"	2 1/8"
	Heat insulation			-	Both liquid and gas pipes	Both liquid and gas pipes	Both liquid and gas pipes
	Discharge Gas Pipe			Φ, mm	-	-	-
				Φ, inch	-	-	-
	Piping length	ODU-IDU	Max.	m	200(220)	200(220)	200(220)
		After branch	Max.	m	90	90	90
	Total piping length	System	Actual	m	1000	1000	1000
	Level difference	ODU-IDU	Outdoor unit in highest position	m	110	110	110
			Indoor unit in highest position	m	110	110	110
		IDU-IDU	Max.	m	50	50	50
Maximum number of connectable indoor units				ea	64	64	64
Wiring connections	For power supply	Quantity		ea	5G	5G	5G
	For connection with indoor	Minimum		mm2	0.75	0.75	0.75
		Remark		-	F1,F2	F1,F2	F1,F2
	Power supply intake			-	Both indoor and outdoor unit	Both indoor and outdoor unit	Both indoor and outdoor unit
Refrigerant	Type			-	R410A	R410A	R410A
	Factory Charging			kg	37.30	33.60	33.60
Sound	Sound Pressure		Cooling	dB(A)	72	71	71
			Heating		74	73	73
	Sound Power		Nominal		94	95	95

Premium Energy Efficiency

Model Name				AM700KXVGGH2EU	AM720KXVGGH2EU	AM740KXVGGH2EU
External Dimension	Net Weight		kg	285.0 x 2 + 350.0 + 195.5	285.0 x 4	285.0 x 4
	Shipping Weight		kg	305.0 x 2 + 372.0 + 211.5	305.0 x 4	305.0 x 4
	Net Dimensions (WxHxD)		mm	(1,295 x 1,695 x 765) x 2 + 1,295 x 1,795 x 765 + 880 x 1,695 x 765	(1,295 x 1,695 x 765) x 4	(1,295 x 1,695 x 765) x 4
	Shipping Dimensions (WxHxD)		mm	(1,363 x 1,887 x 832) x 2 + 1,363 x 1,987 x 832 + 948 x 1,887 x 832	(1,363 x 1,887 x 832) x 4	(1,363 x 1,887 x 832) x 4
Operating Temp. Range	Cooling		℃	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0
	Heating		℃	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0
Defrost	Method		-	Reversed cycle	Reversed cycle	Reversed cycle
Safety devices	Item	1	-	High pressure switch	High pressure switch	High pressure switch
		2	-	Fan driver overload protector	Fan driver overload protector	Fan driver overload protector
		3	-	Inverter overload protector	Inverter overload protector	Inverter overload protector
		4	-	PC board fuse	PC board fuse	PC board fuse

* Specification may be subject to change without prior notice.
  Specification comply with EN14511.

1) Nominal cooling capacities are based on;
  - Indoor temperature : 27°C DB, 19°C WB
  - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m
2) 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
3) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
4) Sound pressure level is obtained in an anechoic room
  - Sound pressure level is a relative value, depending on the distance and acoustic environment.
  - Sound pressure level may differ depending on operation condition.
  - dBA = A-weighted sound pressure level
  - Reference acoustic pressure 0 dB = 20uPa
5) Sound power level is an absolute value that a sound source generates.
  - dBA = A-weighted sound power level
  - Reference power : 1pW
  - Measured according to ISO 3741
6) Sound values of multi combination are theoretical values based on sound results of individual installed units.
7) These products contain R410A which is fluorinated greenhouse gas.
8) 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 by PDM kit installation Guide software whether the PDM kit should be installed or not.)

*PDM kit: Pressure Drop Modulation kit
  When the outdoor unit is below the indoor unit & the level differences are 40m or more, contact your local dealer for more information.

※ In case you want to know more information regarding capacity and correction, please refer to capacity table TDB on pvi.samsung.com site.

Premium Energy Efficiency

Type				DVM S(NEW)	DVM S(NEW)	DVM S(NEW)
Model Name				AM760KXVGGH2EU	AM780KXVGGH2EU	AM800KXVGGH2EU
	Outdoor unit module 1			AM180KXVGGH/EU	AM180KXVGGH/EU	AM180KXVGGH/EU
	Outdoor unit module 2			AM180KXVGGH/EU	AM200KXVGGH/EU	AM180KXVGGH/EU
	Outdoor unit module 3			AM200KXVGGH/EU	AM200KXVGGH/EU	AM180KXVGGH/EU
	Outdoor unit module 4			AM200KXVGGH/EU	AM200KXVGGH/EU	AM260KXVGGH/EU
Power Supply			Φ, #, V, Hz	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
Mode			-	HEAT PUMP	HEAT PUMP	HEAT PUMP
Performance	HP		HP	76	78	80
	Capacity (Nominal)	Cooling	kW	212.80	218.40	224.00
			Btu/h	726,100	745,200	764,300
		Heating	kW	239.40	245.70	252.00
			Btu/h	816,900	838,400	859,900
	Total capacity of the connected Indoor Units 3)	Min.	kW	106.4	109.2	112.1
		Max.	kW	276.4	283.9	291.5
Power	Power Input (Nominal)	Cooling 1)	kW	46.36	48.18	49.37
		Heating 2)		46.54	48.77	48.62
	Current Input (Nominal)	Cooling 1)	A	74.20	77.10	79.10
		Heating 2)		74.80	78.40	78.10
	Current	Minimum Ssc value	MVA	33.9	33.2	38.9
		MCA(Minimum Circuit Amps)	A	**162.4**	**165.2**	**177.6**
		MFA/MOP(Maximum Fuse Amps)	A	**200.0**	**200.0**	**200.0**
		TOCA(Total Over Current Amps)	A	170.5	173.5	186.5
		FLA Total(Full Load Amps)	A	15.2	15.2	15.2
Capacity Control		Method	-	Inverter controlled	Inverter controlled	Inverter controlled
COP	Nominal Cooling 1)		W/W	4.59	4.53	4.54
	Nominal Heating 2)		W/W	5.14	5.04	5.18
	ESEER		W/W	7.02	6.92	7.22
Casing	Color		-	Earth brown	Earth brown	Earth brown
	Material		-	Painted galvanized steel plate	Painted galvanized steel plate	Painted galvanized steel plate
Heat exchanger	Type		-	Fin & Tube	Fin & Tube	Fin & Tube
	Fin	Treatment	-	Anti-corrosion treatment	Anti-corrosion treatment	Anti-corrosion treatment
Compressor	Type		-	SSC Scroll	SSC Scroll	SSC Scroll
	Output		kW × n	(6.39x2)x2 + (6.39x2)x2	(6.39x2) + (6.39x2)x3	(6.39x2)x3 + (7.81x2)
	Model Name		-	DS-GB066FAVB x 8	DS-GB066FAVB x 8	DS-GB066FAVB x 6 + DS4GJ5080FVA x 2
	Oil	Type	-	PVE	PVE	PVE
		Initial Charge	cc	8800	8800	9400
Fan	Type		-	Propeller	Propeller	Propeller
	Discharge direction		-	Top	Top	Top
	Quantity		ea	8	8	8
	Air Flow Rate		m^3/min	290 x 4	290 x 4	290 x 3 + 340
			l/s	4,833.33 x 4	4,833.33 x 4	4,833.33 x 3 + 5,666.67
	External Static Pressure	Max.	mmAq	8.00	8.00	8.00
			Pa	78.45	78.45	78.45
Fan Motor	Model		-	BrushLess DC Motor	BrushLess DC Motor	BrushLess DC Motor
	Output x n		W	(620.0 x 2) x 4	(620.0 x 2) x 4	(620.0 x 2) x 4
Piping Connections	Liquid Pipe		Type	Braze connection	Braze connection	Braze connection
			Φ, mm	22.22	22.22	22.22
			Φ, inch	7/8"	7/8"	7/8"
	Gas Pipe		Type	Braze connection	Braze connection	Braze connection
			Φ, mm	53.98	53.98	53.98
			Φ, inch	2 1/8"	2 1/8"	2 1/8"
	Heat insulation		-	Both liquid and gas pipes	Both liquid and gas pipes	Both liquid and gas pipes
	Discharge Gas Pipe		Φ, mm	-	-	-
			Φ, inch	-	-	-
	Piping length	ODU-IDU Max.	m	200(220)	200(220)	200(220)
		After branch Max.	m	90	90	90
	Total piping length	System Actual	m	1000	1000	1000
	Level difference	ODU-IDU Outdoor unit in highest position	m	110	110	110
		ODU-IDU Indoor unit in highest position	m	110	110	110
		IDU-IDU Max.	m	50	50	50
Maximum number of connectable indoor units			ea	64	64	64
Wiring connections	For power supply	Quantity	ea	5G	5G	5G
	For connection with indoor	Minimum	mm2	0.75	0.75	0.75
		Remark	-	F1,F2	F1,F2	F1,F2
	Power supply intake		-	Both indoor and outdoor unit	Both indoor and outdoor unit	Both indoor and outdoor unit
Refrigerant	Type		-	R410A	R410A	R410A
	Factory Charging		kg	33.60	33.60	39.20
Sound	Sound Pressure	Cooling	dB(A)	71	71	72
		Heating		73	73	74
	Sound Power	Nominal		95	95	95

Premium Energy Efficiency

Model Name				AM760KXVGGH2EU	AM780KXVGGH2EU	AM800KXVGGH2EU
External Dimension	Net Weight		kg	285.0 x 4	285.0 x 4	285.0 x 3 + 350.0
	Shipping Weight		kg	305.0 x 4	305.0 x 4	305.0 x 3 + 372.0
	Net Dimensions (WxHxD)		mm	(1,295 x 1,695 x 765) x 4	(1,295 x 1,695 x 765) x 4	(1,295 x 1,695 x 765) x 3 + 1,295 x 1,795 x 765
	Shipping Dimensions (WxHxD)		mm	(1,363 x 1,887 x 832) x 4	(1,363 x 1,887 x 832) x 4	(1,363 x 1,887 x 832) x 3 + 1,363 x 1,987 x 832
Operating Temp. Range	Cooling		℃	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0
	Heating		℃	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0
Defrost	Method		-	Reversed cycle	Reversed cycle	Reversed cycle
Safety devices	Item	1	-	High pressure switch	High pressure switch	High pressure switch
		2	-	Fan driver overload protector	Fan driver overload protector	Fan driver overload protector
		3	-	Inverter overload protector	Inverter overload protector	Inverter overload protector
		4	-	PC board fuse	PC board fuse	PC board fuse

* Specification may be subject to change without prior notice.
  Specification comply with EN14511.

1) Nominal cooling capacities are based on;
  - Indoor temperature : 27°C DB, 19°C WB
  - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m
2) 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
3) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
4) Sound pressure level is obtained in an anechoic room
  - Sound pressure level is a relative value, depending on the distance and acoustic environment.
  - Sound pressure level may differ depending on operation condition.
  - dBA = A-weighted sound pressure level
  - Reference acoustic pressure 0 dB = 20uPa
5) Sound power level is an absolute value that a sound source generates.
  - dBA = A-weighted sound power level
  - Reference power : 1pW
  - Measured according to ISO 3741
6) Sound values of multi combination are theoretical values based on sound results of individual installed units.
7) These products contain R410A which is fluorinated greenhouse gas.
8) 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 by PDM kit installation Guide software whether the PDM kit should be installed or not.)

*PDM kit: Pressure Drop Modulation kit
  When the outdoor unit is below the indoor unit & the level differences are 40m or more, contact your local dealer for more information.

※ In case you want to know more information regarding capacity and correction, please refer to capacity table TDB on pvi.samsung.com site.

Premium Energy Efficiency

Type					DVM S(NEW)	DVM S(NEW)	DVM S(NEW)
Model Name					AM820KXVGGH2EU	AM840KXVGGH2EU	AM860KXVGGH2EU
	Outdoor unit module 1				AM180KXVGGH/EU	AM180KXVGGH/EU	AM180KXVGGH/EU
	Outdoor unit module 2				AM180KXVGGH/EU	AM200KXVGGH/EU	AM200KXVGGH/EU
	Outdoor unit module 3				AM200KXVGGH/EU	AM200KXVGGH/EU	AM220KXVGGH/EU
	Outdoor unit module 4				AM260KXVGGH/EU	AM260KXVGGH/EU	AM260KXVGGH/EU
Power Supply				Φ, #, V, Hz	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
Mode				-	HEAT PUMP	HEAT PUMP	HEAT PUMP
Performance	HP			HP	82	84	86
	Capacity (Nominal)	Cooling		kW	229.60	235.20	240.80
				Btu/h	783,400	802,500	821,600
		Heating		kW	258.30	264.60	270.90
				Btu/h	881,400	902,900	924,300
	Total capacity of the connected Indoor Units 3)	Min.		kW	114.8	117.6	120.4
		Max.		kW	298.5	305.8	313.0
Power	Power Input (Nominal)	Cooling 1)		kW	51.19	53.01	56.26
		Heating 2)			50.85	53.08	56.19
	Current Input (Nominal)	Cooling 1)		A	82.00	84.90	90.20
		Heating 2)			81.70	85.30	90.20
	Current	Minimum Ssc value		MVA	28.0	37.3	37.8
		MCA(Minimum Circuit Amps)		A	**180.4**	**183.2**	**185.8**
		MFA/MOP(Maximum Fuse Amps)		A	**200.0**	**225.0**	**225.0**
		TOCA(Total Over Current Amps)		A	189.4	192.4	195.1
		FLA Total(Full Load Amps)		A	15.2	15.2	15.2
Capacity Control		Method		-	Inverter controlled	Inverter controlled	Inverter controlled
COP	Nominal Cooling 1)			W/W	4.49	4.44	4.28
	Nominal Heating 2)			W/W	5.08	4.98	4.82
	ESEER			W/W	7.12	7.02	6.92
Casing	Color			-	Earth brown	Earth brown	Earth brown
	Material			-	Painted galvanized steel plate	Painted galvanized steel plate	Painted galvanized steel plate
Heat exchanger	Type			-	Fin & Tube	Fin & Tube	Fin & Tube
	Fin	Treatment		-	Anti-corrosion treatment	Anti-corrosion treatment	Anti-corrosion treatment
Compressor	Type			-	SSC Scroll	SSC Scroll	SSC Scroll
	Output			kW × n	(6.39x2)x2 + (6.39x2) + (7.81x2)	(6.39x2) + (6.39x2)x2 + (7.81x2)	(6.39x2) + (6.39x2) + (6.39x2) + (7.81x2)
	Model Name			-	DS-GB066FAVB x 6 + DS4GJ5080FVA x 2	DS-GB066FAVB x 6 + DS4GJ5080FVA x 2	DS-GB066FAVB x 6 + DS4GJ5080FVA x 2
	Oil	Type		-	PVE	PVE	PVE
		Initial Charge		cc	9400	9400	9400
Fan	Type			-	Propeller	Propeller	Propeller
	Discharge direction			-	Top	Top	Top
	Quantity			ea	8	8	8
	Air Flow Rate			m^3/min	290 x 3 + 340	290 x 3 + 340	290 x 3 + 340
				l/s	4,833.33 x 3 + 5,666.67	4,833.33 x 3 + 5,666.67	4,833.33 x 3 + 5,666.67
	External Static Pressure		Max.	mmAq	8.00	8.00	8.00
				Pa	78.45	78.45	78.45
Fan Motor	Model			-	BrushLess DC Motor	BrushLess DC Motor	BrushLess DC Motor
	Output x n			W	(620.0 x 2) x 4	(620.0 x 2) x 4	(620.0 x 2) x 4
Piping Connections	Liquid Pipe			Type	Braze connection	Braze connection	Braze connection
				Φ, mm	22.22	22.22	22.22
				Φ, inch	7/8"	7/8"	7/8"
	Gas Pipe			Type	Braze connection	Braze connection	Braze connection
				Φ, mm	53.98	53.98	53.98
				Φ, inch	2 1/8"	2 1/8"	2 1/8"
	Heat insulation			-	Both liquid and gas pipes	Both liquid and gas pipes	Both liquid and gas pipes
	Discharge Gas Pipe			Φ, mm	-	-	-
				Φ, inch	-	-	-
	Piping length	ODU-IDU	Max.	m	200(220)	200(220)	200(220)
		After branch	Max.	m	90	90	90
	Total piping length	System	Actual	m	1000	1000	1000
	Level difference	ODU-IDU	Outdoor unit in highest position	m	110	110	110
			Indoor unit in highest position	m	110	110	110
		IDU-IDU	Max.	m	50	50	50
Maximum number of connectable indoor units				ea	64	64	64
Wiring connections	For power supply	Quantity		ea	5G	5G	5G
	For connection with indoor	Minimum		mm2	0.75	0.75	0.75
		Remark		-	F1,F2	F1,F2	F1,F2
	Power supply intake			-	Both indoor and outdoor unit	Both indoor and outdoor unit	Both indoor and outdoor unit
Refrigerant	Type			-	R410A	R410A	R410A
	Factory Charging			kg	39.20	39.20	39.20
Sound	Sound Pressure		Cooling	dB(A)	72	72	72
			Heating		74	74	74
	Sound Power		Nominal		95	95	95

Premium Energy Efficiency

Model Name				AM820KXVGGH2EU	AM840KXVGGH2EU	AM860KXVGGH2EU
External Dimension	Net Weight		kg	285.0 x 3 + 350.0	285.0 x 3 + 350.0	285.0 x 3 + 350.0
	Shipping Weight		kg	305.0 x 3 + 372.0	305.0 x 3 + 372.0	305.0 x 3 + 372.0
	Net Dimensions (WxHxD)		mm	(1,295 x 1,695 x 765) x 3 + 1,295 x 1,795 x 765	(1,295 x 1,695 x 765) x 3 + 1,295 x 1,795 x 765	(1,295 x 1,695 x 765) x 3 + 1,295 x 1,795 x 765
	Shipping Dimensions (WxHxD)		mm	(1,363 x 1,887 x 832) x 3 + 1,363 x 1,987 x 832	(1,363 x 1,887 x 832) x 3 + 1,363 x 1,987 x 832	(1,363 x 1,887 x 832) x 3 + 1,363 x 1,987 x 832
Operating Temp. Range	Cooling		℃	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0
	Heating		℃	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0
Defrost	Method		-	Reversed cycle	Reversed cycle	Reversed cycle
Safety devices	Item	1	-	High pressure switch	High pressure switch	High pressure switch
		2	-	Fan driver overload protector	Fan driver overload protector	Fan driver overload protector
		3	-	Inverter overload protector	Inverter overload protector	Inverter overload protector
		4	-	PC board fuse	PC board fuse	PC board fuse

* Specification may be subject to change without prior notice.
  Specification comply with EN14511.

1) Nominal cooling capacities are based on;
  - Indoor temperature : 27°C DB, 19°C WB
  - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m
2) 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
3) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
4) Sound pressure level is obtained in an anechoic room
  - Sound pressure level is a relative value, depending on the distance and acoustic environment.
  - Sound pressure level may differ depending on operation condition.
  - dBA = A-weighted sound pressure level
  - Reference acoustic pressure 0 dB = 20uPa
5) Sound power level is an absolute value that a sound source generates.
  - dBA = A-weighted sound power level
  - Reference power : 1pW
  - Measured according to ISO 3741
6) Sound values of multi combination are theoretical values based on sound results of individual installed units.
7) These products contain R410A which is fluorinated greenhouse gas.
8) 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 by PDM kit installation Guide software whether the PDM kit should be installed or not.)

*PDM kit: Pressure Drop Modulation kit
  When the outdoor unit is below the indoor unit & the level differences are 40m or more, contact your local dealer for more information.

※ In case you want to know more information regarding capacity and correction, please refer to capacity table TDB on pvi.samsung.com site.

Premium Energy Efficiency

Type					DVM S(NEW)	DVM S(NEW)
Model Name					AM880KXVGGH2EU	AM900KXVGGH2EU
	Outdoor unit module 1				AM180KXVGGH/EU	AM180KXVGGH/EU
	Outdoor unit module 2				AM200KXVGGH/EU	AM200KXVGGH/EU
	Outdoor unit module 3				AM240KXVGGH/EU	AM260KXVGGH/EU
	Outdoor unit module 4				AM260KXVGGH/EU	AM260KXVGGH/EU
Power Supply				Φ, #, V, Hz	3,4,380-415,50	3,4,380-415,50
Mode				-	HEAT PUMP	HEAT PUMP
Performance	HP			HP	88	90
	Capacity (Nominal)	Cooling		kW	246.40	252.00
				Btu/h	840,800	859,900
		Heating		kW	277.20	283.50
				Btu/h	945,800	967,300
	Total capacity of the connected Indoor Units 3)	Min.		kW	123.3	126.0
		Max.		kW	320.6	327.6
Power	Power Input (Nominal)	Cooling 1)		kW	56.51	57.84
		Heating 2)			55.76	57.39
	Current Input (Nominal)	Cooling 1)		A	90.60	92.70
		Heating 2)			89.50	92.20
	Current	Minimum Ssc value		MVA	41.6	41.4
		MCA(Minimum Circuit Amps)		A	**196.2**	**201.2**
		MFA/MOP(Maximum Fuse Amps)		A	**225.0**	**225.0**
		TOCA(Total Over Current Amps)		A	206.0	211.3
		FLA Total(Full Load Amps)		A	15.2	15.2
Capacity Control		Method		-	Inverter controlled	Inverter controlled
COP	Nominal Cooling 1)			W/W	4.36	4.36
	Nominal Heating 2)			W/W	4.97	4.94
	ESEER			W/W	7.11	7.11
Casing	Color			-	Earth brown	Earth brown
	Material			-	Painted galvanized steel plate	Painted galvanized steel plate
Heat exchanger	Type			-	Fin & Tube	Fin & Tube
	Fin	Treatment		-	Anti-corrosion treatment	Anti-corrosion treatment
Compressor	Type			-	SSC Scroll	SSC Scroll
	Output			kW × n	(6.39x2) + (6.39x2) + (6.76x2) + (7.81x2)	(6.39x2) + (6.39x2) + (7.81x2)x2
	Model Name			-	DS-GB066FAVB x 4 + DS-GB070FAVA x 2 + DS4GJ5080FVA x 2	DS-GB066FAVB x 4 + DS4GJ5080FVA x 4
	Oil	Type		-	PVE	PVE
		Initial Charge		cc	9400	10000
Fan	Type			-	Propeller	Propeller
	Discharge direction			-	Top	Top
	Quantity			ea	8	8
	Air Flow Rate			m^3/min	290 x 2 + 340 x 2	290 x 2 + 340 x 2
				l/s	4,833.33 x 2 + 5,666.67 x 2	4,833.33 x 2 + 5,666.67 x 2
	External Static Pressure		Max.	mmAq	8.00	8.00
				Pa	78.45	78.45
Fan Motor	Model			-	BrushLess DC Motor	BrushLess DC Motor
	Output x n			W	(620.0 x 2) x 4	(620.0 x 2) x 4
Piping Connections	Liquid Pipe			Type	Braze connection	Braze connection
				Φ, mm	22.22	22.22
				Φ, inch	7/8"	7/8"
	Gas Pipe			Type	Braze connection	Braze connection
				Φ, mm	53.98	53.98
				Φ, inch	2 1/8"	2 1/8"
	Heat insulation			-	Both liquid and gas pipes	Both liquid and gas pipes
	Discharge Gas Pipe			Φ, mm	-	-
				Φ, inch	-	-
	Piping length	ODU-IDU	Max.	m	200(220)	200(220)
		After branch	Max.	m	90	90
	Total piping length	System	Actual	m	1000	1000
	Level difference	ODU-IDU	Outdoor unit in highest position	m	110	110
			Indoor unit in highest position	m	110	110
		IDU-IDU	Max.	m	50	50
Maximum number of connectable indoor units				ea	64	64
Wiring connections	For power supply	Quantity		ea	5G	5G
	For connection with indoor	Minimum		mm2	0.75	0.75
		Remark		-	F1,F2	F1,F2
	Power supply intake			-	Both indoor and outdoor unit	Both indoor and outdoor unit
Refrigerant	Type			-	R410A	R410A
	Factory Charging			kg	44.80	44.80
Sound	Sound Pressure		Cooling	dB(A)	73	73
			Heating		75	75
	Sound Power		Nominal		96	96

Premium Energy Efficiency

Model Name				AM880KXVGGH2EU	AM900KXVGGH2EU
External Dimension	Net Weight		kg	285.0 x 2 + 342.0 + 350.0	285.0 x 2 + 350.0 x 2
	Shipping Weight		kg	305.0 x 2 + 364.0 + 372.0	305.0 x 2 + 372.0 x 2
	Net Dimensions (WxHxD)		mm	(1,295 x 1,695 x 765) x 2 + (1,295 x 1,795 x 765) x 2	(1,295 x 1,695 x 765) x 2 + (1,295 x 1,795 x 765) x 2
	Shipping Dimensions (WxHxD)		mm	(1,363 x 1,887 x 832) x 2 + (1,363 x 1,987 x 832) x 2	(1,363 x 1,887 x 832) x 2 + (1,363 x 1,987 x 832) x 2
Operating Temp. Range	Cooling		℃	-5.0 ~ 48.0	-5.0 ~ 48.0
	Heating		℃	-25.0 ~ 24.0	-25.0 ~ 24.0
Defrost	Method		-	Reversed cycle	Reversed cycle
Safety devices	Item	1	-	High pressure switch	High pressure switch
		2	-	Fan driver overload protector	Fan driver overload protector
		3	-	Inverter overload protector	Inverter overload protector
		4	-	PC board fuse	PC board fuse

*** Specification may be subject to change without prior notice.**
Specification comply with EN14511.

1) Nominal cooling capacities are based on;
- Indoor temperature : 27°C DB, 19°C WB
- Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m
2) 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
3) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
4) Sound pressure level is obtained in an anechoic room
- Sound pressure level is a relative value, depending on the distance and acoustic environment.
- Sound pressure level may differ depending on operation condition.
- dBA = A-weighted sound pressure level
- Reference acoustic pressure 0 dB = 20uPa
5) Sound power level is an absolute value that a sound source generates.
- dBA = A-weighted sound power level
- Reference power : 1pW
- Measured according to ISO 3741
6) Sound values of multi combination are theoretical values based on sound results of individual installed units.
7) These products contain R410A which is fluorinated greenhouse gas.
8) 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 by PDM kit installation Guide software whether the PDM kit should be installed or not.)
***PDM kit: Pressure Drop Modulation kit**
When the outdoor unit is below the indoor unit & the level differences are 40m or more, contact your local dealer for more information.
※ In case you want to know more information regarding capacity and correction, please refer to capacity table TDB on pvi.samsung.com site.

2 Specifications

Standard

Type					DVM S(NEW)	DVM S(NEW)	DVM S(NEW)
Model Name					AM080JXVAGH/EU	AM100JXVAGH/EU	AM120JXVAGH/EU
	Outdoor unit module 1				AM080JXVAGH/EU	AM100JXVAGH/EU	AM120JXVAGH/EU
	Outdoor unit module 2				-	-	-
	Outdoor unit module 3				-	-	-
	Outdoor unit module 4				-	-	-
Power Supply				Φ, #, V, Hz	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
Mode				-	HEAT PUMP	HEAT PUMP	HEAT PUMP
Performance	HP			HP	8	10	12
	Capacity (Nominal)	Cooling		kW	22.4	28	33.6
				Btu/h	76400	95500	114600
		Heating		kW	25.2	31.5	37.8
				Btu/h	86000	107500	129000
	Total capacity of the connected Indoor Units 3)	Min.		kW	11.2	14.0	16.8
		Max.		kW	29.1	36.4	43.7
Power	Power Input (Nominal)	Cooling 1)		kW	5	6.85	8.16
		Heating 2)			5.1	6.65	8.03
	Current Input (Nominal)	Cooling 1)		A	8	11	13.1
		Heating 2)			8.2	10.7	12.9
	Current	Minimum Ssc value		MVA	3.1	4.6	5.5
		MCA(Minimum Circuit Amps)		A	**18.0**	**21.1**	**25.0**
		MFA/MOP(Maximum Fuse Amps)		A	**25.0**	**32.0**	**32.0**
		TOCA(Total Over Current Amps)		A	18.9	22.2	26.3
		FLA Total(Full Load Amps)		A	2.4	2.4	2.4
Capacity Control		Method		-	Inverter controlled	Inverter controlled	Inverter controlled
COP	Nominal Cooling 1)			W/W	4.48	4.09	4.12
	Nominal Heating 2)			W/W	4.96	4.74	4.71
	ESEER			W/W	7.85	7.25	7.03
Casing	Color			-	Earth brown	Earth brown	Earth brown
	Material			-	Painted galvanized steel plate	Painted galvanized steel plate	Painted galvanized steel plate
Heat exchanger	Type			-	Fin & Tube	Fin & Tube	Fin & Tube
	Fin	Treatment		-	Anti-corrosion treatment	Anti-corrosion treatment	Anti-corrosion treatment
Compressor	Type			-	SSC Scroll	SSC Scroll	SSC Scroll
	Output			kW × n	(4.39) x 1	(6.39) x 1	(6.39) x 1
	Model Name			-	DS-GA046FAVADO x 1	DS-GB066FAVB x 1	DS-GB066FAVB x 1
	Oil	Type		-	PVE	PVE	PVE
		Initial Charge		cc	900	1100	1100
Fan	Type			-	Propeller	Propeller	Propeller
	Discharge direction			-	Top	Top	Top
	Quantity			ea	1	1	1
	Air Flow Rate			m^3/min	170	170	220
				l/s	2833.33	2833.33	3666.67
	External Static Pressure		Max.	mmAq	8	8	8
				Pa	78.45	78.45	78.45
Fan Motor	Model			-	BrushLess DC Motor	BrushLess DC Motor	BrushLess DC Motor
	Output x n			W	830.0 x 1	830.0 x 1	830.0 x 1
Piping Connections	Liquid Pipe			Type	Braze connection	Braze connection	Braze connection
				Φ, mm	9.52	9.52	12.7
				Φ, inch	3/8"	3/8"	1/2"
	Gas Pipe			Type	Braze connection	Braze connection	Braze connection
				Φ, mm	19.05	22.22	28.58
				Φ, inch	3/4"	7/8"	1 1/8"
	Heat insulation			-	Both liquid and gas pipes	Both liquid and gas pipes	Both liquid and gas pipes
	Discharge Gas Pipe			Φ, mm	-	-	-
				Φ, inch	-	-	-
	Piping length	ODU-IDU	Max.	m	200(220)	200(220)	200(220)
		After branch	Max.	m	90	90	90
	Total piping length	System	Actual	m	1000	1000	1000
	Level difference	ODU-IDU	Outdoor unit in highest position	m	110	110	110
			Indoor unit in highest position	m	110	110	110
		IDU-IDU	Max.	m	50	50	50
Maximum number of connectable indoor units				ea	14	18	21
Wiring connections	For power supply	Quantity		ea	5G	5G	5G
	For connection with indoor	Minimum		mm2	0.75	0.75	0.75
		Remark		-	F1,F2	F1,F2	F1,F2
	Power supply intake			-	Both indoor and outdoor unit	Both indoor and outdoor unit	Both indoor and outdoor unit
Refrigerant	Type			-	R410A	R410A	R410A
	Factory Charging			kg	5.5	5.5	6.5
Sound	Sound Pressure		Cooling	dB(A)	57	58	62
			Heating		59	60	64
	Sound Power		Nominal		77	79	81

2 Specifications

Standard

Model Name				AM080JXVAGH/EU	AM100JXVAGH/EU	AM120JXVAGH/EU
External Dimension	Net Weight		kg	195.5	195.5	195.5
	Shipping Weight		kg	211.5	211.5	211.5
	Net Dimensions (WxHxD)		mm	880 x 1,695 x 765	880 x 1,695 x 765	880 x 1,695 x 765
	Shipping Dimensions (WxHxD)		mm	948 x 1,887 x 832	948 x 1,887 x 832	948 x 1,887 x 832
Operating Temp. Range	Cooling		℃	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0
	Heating		℃	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0
Defrost	Method		-	Reversed cycle	Reversed cycle	Reversed cycle
Safety devices	Item	1	-	High pressure switch	High pressure switch	High pressure switch
		2	-	Fan driver overload protector	Fan driver overload protector	Fan driver overload protector
		3	-	Inverter overload protector	Inverter overload protector	Inverter overload protector
		4	-	PC board fuse	PC board fuse	PC board fuse

*** Specification may be subject to change without prior notice.**
Specification comply with EN14511.

1) Nominal cooling capacities are based on;
- Indoor temperature : 27°C DB, 19°C WB
- Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m
2) 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
3) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
4) Sound pressure level is obtained in an anechoic room
- Sound pressure level is a relative value, depending on the distance and acoustic environment.
- Sound pressure level may differ depending on operation condition.
- dBA = A-weighted sound pressure level
- Reference acoustic pressure 0 dB = 20uPa
5) Sound power level is an absolute value that a sound source generates.
- dBA = A-weighted sound power level
- Reference power : 1pW
- Measured according to ISO 3741
6) Sound values of multi combination are theoretical values based on sound results of individual installed units.
7) These products contain R410A which is fluorinated greenhouse gas.
8) 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 by PDM kit installation Guide software whether the PDM kit should be installed or not.)
***PDM kit: Pressure Drop Modulation kit**
When the outdoor unit is below the indoor unit & the level differences are 40m or more, contact your local dealer for more information.
※ In case you want to know more information regarding capacity and correction, please refer to capacity table TDB on pvi.samsung.com site.

Standard

Type				DVM S(NEW)	DVM S(NEW)	DVM S(NEW)
Model Name				AM140KXVAGH/EU	AM160KXVAGH/EU	AM180KXVAGH/EU
	Outdoor unit module 1			AM140KXVAGH/EU	AM160KXVAGH/EU	AM180KXVAGH/EU
	Outdoor unit module 2			-	-	-
	Outdoor unit module 3			-	-	-
	Outdoor unit module 4			-	-	-
Power Supply			Φ, #, V, Hz	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
Mode			-	HEAT PUMP	HEAT PUMP	HEAT PUMP
Performance	HP		HP	14	16	18
	Capacity (Nominal)	Cooling	kW	40	45	50.4
			Btu/h	136500	153500	172000
		Heating	kW	45	50.4	56.7
			Btu/h	153500	172000	193500
	Total capacity of the connected Indoor Units 3)	Min.	kW	20.0	22.5	25.2
		Max.	kW	52.0	58.5	65.5
Power	Power Input (Nominal)	Cooling 1)	kW	10.93	12.1	12.6
		Heating 2)		10.16	11.61	11.91
	Current Input (Nominal)	Cooling 1)	A	17.5	19.4	20.2
		Heating 2)		16.3	18.6	19.1
	Current	Minimum Ssc value	MVA	5.4	7.2	8.8
		MCA(Minimum Circuit Amps)	A	**25.0**	**32.0**	**39.2**
		MFA/MOP(Maximum Fuse Amps)	A	**32.0**	**40.0**	**50.0**
		TOCA(Total Over Current Amps)	A	26.3	33.6	41.2
		FLA Total(Full Load Amps)	A	3.8	3.8	3.8
Capacity Control		Method	-	Inverter controlled	Inverter controlled	Inverter controlled
COP	Nominal Cooling 1)		W/W	3.66	3.72	4
	Nominal Heating 2)		W/W	4.43	4.34	4.76
	ESEER		W/W	7.02	6.81	6.61
Casing	Color		-	Earth brown	Earth brown	Earth brown
	Material		-	Painted galvanized steel plate	Painted galvanized steel plate	Painted galvanized steel plate
Heat exchanger	Type		-	Fin & Tube	Fin & Tube	Fin & Tube
	Fin	Treatment	-	Anti-corrosion treatment	Anti-corrosion treatment	Anti-corrosion treatment
Compressor	Type		-	SSC Scroll	SSC Scroll	SSC Scroll
	Output		kW × n	(6.39) x 1	(7.81) x 1	(7.81) x 1
	Model Name		-	DS-GB066FAVB x 1	DS4GJ5080FVA x 1	DS4GJ5080FVA x 1
	Oil	Type	-	PVE	PVE	PVE
		Initial Charge	cc	1100	1400	1400
Fan	Type		-	Propeller	Propeller	Propeller
	Discharge direction		-	Top	Top	Top
	Quantity		ea	2	2	2
	Air Flow Rate		m^3/min	255	255	290
			l/s	4250	4250	4833.33
	External Static Pressure	Max.	mmAq	8	8	8
			Pa	78.45	78.45	78.45
Fan Motor	Model		-	BrushLess DC Motor	BrushLess DC Motor	BrushLess DC Motor
	Output x n		W	620.0 x 2	620.0 x 2	620.0 x 2
Piping Connections	Liquid Pipe		Type	Braze connection	Braze connection	Braze connection
			Φ, mm	12.7	12.7	15.88
			Φ, inch	1/2"	1/2"	5/8"
	Gas Pipe		Type	Braze connection	Braze connection	Braze connection
			Φ, mm	28.58	28.58	28.58
			Φ, inch	1 1/8"	1 1/8"	1 1/8"
	Heat insulation		-	Both liquid and gas pipes	Both liquid and gas pipes	Both liquid and gas pipes
	Discharge Gas Pipe		Φ, mm	-	-	-
			Φ, inch	-	-	-
	Piping length	ODU-IDU	Max. m	200(220)	200(220)	200(220)
		After branch	Max. m	90	90	90
	Total piping length	System	Actual m	1000	1000	1000
	Level difference	ODU-IDU	Outdoor unit in highest position m	110	110	110
			Indoor unit in highest position m	110	110	110
		IDU-IDU	Max. m	50	50	50
Maximum number of connectable indoor units			ea	26	29	32
Wiring connections	For power supply	Quantity	ea	5G	5G	5G
	For connection with indoor	Minimum	mm2	0.75	0.75	0.75
		Remark	-	F1, F2	F1, F2	F1, F2
	Power supply intake		-	Both indoor and outdoor unit	Both indoor and outdoor unit	Both indoor and outdoor unit
Refrigerant	Type		-	R410A	R410A	R410A
	Factory Charging		kg	7.7	8.4	8.4
Sound	Sound Pressure	Cooling	dB(A)	61	63	64
		Heating		63	65	66
	Sound Power	Nominal		81	83	84

Standard

Model Name				AM140KXVAGH/EU	AM160KXVAGH/EU	AM180KXVAGH/EU
External Dimension	Net Weight		kg	226	253	255
	Shipping Weight		kg	246	273	275
	Net Dimensions (WxHxD)		mm	1,295 x 1,695 x 765	1,295 x 1,695 x 765	1,295 x 1,695 x 765
	Shipping Dimensions (WxHxD)		mm	1,363 x 1,887 x 832	1,363 x 1,887 x 832	1,363 x 1,887 x 832
Operating Temp. Range	Cooling		℃	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0
	Heating		℃	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0
Defrost	Method		-	Reversed cycle	Reversed cycle	Reversed cycle
Safety devices	Item	1	-	High pressure switch	High pressure switch	High pressure switch
		2	-	Fan driver overload protector	Fan driver overload protector	Fan driver overload protector
		3	-	Inverter overload protector	Inverter overload protector	Inverter overload protector
		4	-	PC board fuse	PC board fuse	PC board fuse

* Specification may be subject to change without prior notice.
  Specification comply with EN14511.

1) Nominal cooling capacities are based on;
  - Indoor temperature : 27°C DB, 19°C WB
  - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m
2) 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
3) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
4) Sound pressure level is obtained in an anechoic room
  - Sound pressure level is a relative value, depending on the distance and acoustic environment.
  - Sound pressure level may differ depending on operation condition.
  - dBA = A-weighted sound pressure level
  - Reference acoustic pressure 0 dB = 20uPa
5) Sound power level is an absolute value that a sound source generates.
  - dBA = A-weighted sound power level
  - Reference power : 1pW
  - Measured according to ISO 3741
6) Sound values of multi combination are theoretical values based on sound results of individual installed units.
7) These products contain R410A which is fluorinated greenhouse gas.
8) 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 by PDM kit installation Guide software whether the PDM kit should be installed or not.)

*PDM kit: Pressure Drop Modulation kit
  When the outdoor unit is below the indoor unit & the level differences are 40m or more, contact your local dealer for more information.

※ In case you want to know more information regarding capacity and correction, please refer to capacity table TDB on pvi.samsung.com site.

Standard

Type				DVM S(NEW)	DVM S(NEW)	DVM S(NEW)
Model Name				AM200KXVAGH/EU	AM220KXVAGH/EU	AM240KXVAGH/EU
	Outdoor unit module 1			AM200KXVAGH/EU	AM220KXVAGH/EU	AM240KXVAGH/EU
	Outdoor unit module 2			-	-	-
	Outdoor unit module 3			-	-	-
	Outdoor unit module 4			-	-	-
Power Supply			Φ, #, V, Hz	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
Mode			-	HEAT PUMP	HEAT PUMP	HEAT PUMP
Performance	HP		HP	20	22	24
	Capacity (Nominal)	Cooling	kW	56	61.6	67.2
			Btu/h	191100	210200	229300
		Heating	kW	63	69.3	75.6
			Btu/h	215000	236500	258000
	Total capacity of the connected Indoor Units 3)	Min.	kW	28.0	30.8	33.6
		Max.	kW	72.8	80.1	87.4
Power	Power Input (Nominal)	Cooling 1)	kW	14.18	17.35	17.1
		Heating 2)		13.91	16.7	17.42
	Current Input (Nominal)	Cooling 1)	A	22.7	27.8	27.4
		Heating 2)		22.3	26.8	27.9
	Current	Minimum Ssc value	MVA	8.1	8.6	12.5
		MCA(Minimum Circuit Amps)	A	**42.0**	**44.6**	**55.0**
		MFA/MOP(Maximum Fuse Amps)	A	**63.0**	**63.0**	**63.0**
		TOCA(Total Over Current Amps)	A	44.1	46.8	57.8
		FLA Total(Full Load Amps)	A	3.8	3.8	3.8
Capacity Control		Method	-	Inverter controlled	Inverter controlled	Inverter controlled
COP	Nominal Cooling 1)		W/W	3.95	3.55	3.93
	Nominal Heating 2)		W/W	4.53	4.15	4.34
	ESEER		W/W	6.56	6.25	7.06
Casing	Color		-	Earth brown	Earth brown	Earth brown
	Material		-	Painted galvanized steel plate	Painted galvanized steel plate	Painted galvanized steel plate
Heat exchanger	Type		-	Fin & Tube	Fin & Tube	Fin & Tube
	Fin	Treatment	-	Anti-corrosion treatment	Anti-corrosion treatment	Anti-corrosion treatment
Compressor	Type		-	SSC Scroll	SSC Scroll	SSC Scroll
	Output		kW × n	(5.18x2)	(6.39x2)	(6.39x2)
	Model Name		-	DS-GB052FAVB x 2	DS-GB066FAVB x 2	DS-GB066FAVB x 2
	Oil	Type	-	PVE	PVE	PVE
		Initial Charge	cc	2200	2200	2200
Fan	Type		-	Propeller	Propeller	Propeller
	Discharge direction		-	Top	Top	Top
	Quantity		ea	2	2	2
	Air Flow Rate		m^3/min	290	290	340
			l/s	4833.33	4833.33	5666.67
	External Static Pressure	Max.	mmAq	8	8	8
			Pa	78.45	78.45	78.45
Fan Motor	Model		-	BrushLess DC Motor	BrushLess DC Motor	BrushLess DC Motor
	Output x n		W	620.0 x 2	620.0 x 2	620.0 x 2
Piping Connections	Liquid Pipe		Type	Braze connection	Braze connection	Braze connection
			Φ, mm	15.88	15.88	15.88
			Φ, inch	5/8"	5/8"	5/8"
	Gas Pipe		Type	Braze connection	Braze connection	Braze connection
			Φ, mm	28.58	28.58	34.92
			Φ, inch	1 1/8"	1 1/8"	1 3/8"
	Heat insulation		-	Both liquid and gas pipes	Both liquid and gas pipes	Both liquid and gas pipes
	Discharge Gas Pipe		Φ, mm	-	-	-
			Φ, inch	-	-	-
	Piping length	ODU-IDU Max.	m	200(220)	200(220)	200(220)
		After branch Max.	m	90	90	90
	Total piping length	System Actual	m	1000	1000	1000
	Level difference	ODU-IDU Outdoor unit in highest position	m	110	110	110
		ODU-IDU Indoor unit in highest position	m	110	110	110
		IDU-IDU Max.	m	50	50	50
Maximum number of connectable indoor units			ea	36	40	43
Wiring connections	For power supply	Quantity	ea	5G	5G	5G
	For connection with indoor	Minimum	mm2	0.75	0.75	0.75
		Remark	-	F1, F2	F1, F2	F1, F2
	Power supply intake		-	Both indoor and outdoor unit	Both indoor and outdoor unit	Both indoor and outdoor unit
Refrigerant	Type		-	R410A	R410A	R410A
	Factory Charging		kg	8.4	8.4	12.5
Sound	Sound Pressure	Cooling	dB(A)	65	65	66
		Heating		67	67	68
	Sound Power	Nominal		87	89	89

Standard

Model Name				AM200KXVAGH/EU	AM220KXVAGH/EU	AM240KXVAGH/EU
External Dimension	Net Weight		kg	277	285	333
	Shipping Weight		kg	297	305	355
	Net Dimensions (WxHxD)		mm	1,295 x 1,695 x 765	1,295 x 1,695 x 765	1,295 x 1,795 x 765
	Shipping Dimensions (WxHxD)		mm	1,363 x 1,887 x 832	1,363 x 1,887 x 832	1,363 x 1,987 x 832
Operating Temp. Range	Cooling		℃	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0
	Heating		℃	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0
Defrost	Method		-	Reversed cycle	Reversed cycle	Reversed cycle
Safety devices	Item	1	-	High pressure switch	High pressure switch	High pressure switch
		2	-	Fan driver overload protector	Fan driver overload protector	Fan driver overload protector
		3	-	Inverter overload protector	Inverter overload protector	Inverter overload protector
		4	-	PC board fuse	PC board fuse	PC board fuse

* Specification may be subject to change without prior notice.
  Specification comply with EN14511.

1) Nominal cooling capacities are based on;
  - Indoor temperature : 27°C DB, 19°C WB
  - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m
2) 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
3) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
4) Sound pressure level is obtained in an anechoic room
  - Sound pressure level is a relative value, depending on the distance and acoustic environment.
  - Sound pressure level may differ depending on operation condition.
  - dBA = A-weighted sound pressure level
  - Reference acoustic pressure 0 dB = 20uPa
5) Sound power level is an absolute value that a sound source generates.
  - dBA = A-weighted sound power level
  - Reference power : 1pW
  - Measured according to ISO 3741
6) Sound values of multi combination are theoretical values based on sound results of individual installed units.
7) These products contain R410A which is fluorinated greenhouse gas.
8) 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 by PDM kit installation Guide software whether the PDM kit should be installed or not.)

*PDM kit: Pressure Drop Modulation kit
  When the outdoor unit is below the indoor unit & the level differences are 40m or more, contact your local dealer for more information.

※ In case you want to know more information regarding capacity and correction, please refer to capacity table TDB on pvi.samsung.com site.

2 Specifications

Standard

Type					DVM S(NEW)	DVM S(NEW)	DVM S(NEW)
Model Name					AM260KXVAGH/EU	AM280KXVAGH/EU	AM300KXVAGH/EU
	Outdoor unit module 1				AM260KXVAGH/EU	AM280KXVAGH/EU	AM300KXVAGH/EU
	Outdoor unit module 2				-	-	-
	Outdoor unit module 3				-	-	-
	Outdoor unit module 4				-	-	-
Power Supply				Φ, #, V, Hz	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
Mode				-	HEAT PUMP	HEAT PUMP	HEAT PUMP
Performance	HP			HP	26	28	30
	Capacity (Nominal)	Cooling		kW	72.8	78.6	84
				Btu/h	248400	268200	286600
		Heating		kW	81.9	88.2	94.5
				Btu/h	279500	301000	322400
	Total capacity of the connected Indoor Units 3)	Min.		kW	36.4	39.3	42.0
		Max.		kW	94.6	102.2	109.2
Power	Power Input (Nominal)	Cooling 1)		kW	18.91	20.68	22.7
		Heating 2)			18	20.18	20.59
	Current Input (Nominal)	Cooling 1)		A	30.3	33.2	36.4
		Heating 2)			28.9	32.4	33
	Current	Minimum Ssc value		MVA	12.2	13.6	14.8
		MCA(Minimum Circuit Amps)		A	**60.0**	**67.0**	**73.0**
		MFA/MOP(Maximum Fuse Amps)		A	**75.0**	**75.0**	**80.0**
		TOCA(Total Over Current Amps)		A	63.0	70.4	76.7
		FLA Total(Full Load Amps)		A	3.8	3.8	3.8
Capacity Control		Method		-	Inverter controlled	Inverter controlled	Inverter controlled
COP	Nominal Cooling 1)			W/W	3.85	3.8	3.7
	Nominal Heating 2)			W/W	4.55	4.37	4.59
	ESEER			W/W	6.92	6.83	6.65
Casing	Color			-	Earth brown	Earth brown	Earth brown
	Material			-	Painted galvanized steel plate	Painted galvanized steel plate	Painted galvanized steel plate
Heat exchanger	Type			-	Fin & Tube	Fin & Tube	Fin & Tube
	Fin	Treatment		-	Anti-corrosion treatment	Anti-corrosion treatment	Anti-corrosion treatment
Compressor	Type			-	SSC Scroll	SSC Scroll	SSC Scroll
	Output			kW × n	(6.39x2)	(6.76x2)	(7.81x2)
	Model Name			-	DS-GB066FAVB x 2	DS-GB070FAVA x 2	DS4GJ5080FVA x 2
	Oil	Type		-	PVE	PVE	PVE
		Initial Charge		cc	2200	2200	2800
Fan	Type			-	Propeller	Propeller	Propeller
	Discharge direction			-	Top	Top	Top
	Quantity			ea	2	2	2
	Air Flow Rate			m^3/min	340	340	340
				l/s	5666.67	5666.67	5666.67
	External Static Pressure		Max.	mmAq	8	8	8
				Pa	78.45	78.45	78.45
Fan Motor	Model			-	BrushLess DC Motor	BrushLess DC Motor	BrushLess DC Motor
	Output x n			W	620.0 x 2	620.0 x 2	620.0 x 2
Piping Connections	Liquid Pipe			Type	Braze connection	Braze connection	Braze connection
				Φ, mm	19.05	19.05	19.05
				Φ, inch	3/4"	3/4"	3/4"
	Gas Pipe			Type	Braze connection	Braze connection	Braze connection
				Φ, mm	34.92	34.92	34.92
				Φ, inch	1 3/8"	1 3/8"	1 3/8"
	Heat insulation			-	Both liquid and gas pipes	Both liquid and gas pipes	Both liquid and gas pipes
	Discharge Gas Pipe			Φ, mm	-	-	-
				Φ, inch	-	-	-
	Piping length	ODU-IDU	Max.	m	200(220)	200(220)	200(220)
		After branch	Max.	m	90	90	90
	Total piping length	System	Actual	m	1000	1000	1000
	Level difference	ODU-IDU	Outdoor unit in highest position	m	110	110	110
			Indoor unit in highest position	m	110	110	110
		IDU-IDU	Max.	m	50	50	50
Maximum number of connectable indoor units				ea	47	51	54
Wiring connections	For power supply	Quantity		ea	5G	5G	5G
	For connection with indoor	Minimum		mm2	0.75	0.75	0.75
		Remark		-	F1, F2	F1, F2	F1, F2
	Power supply intake			-	Both indoor and outdoor unit	Both indoor and outdoor unit	Both indoor and outdoor unit
Refrigerant	Type			-	R410A	R410A	R410A
	Factory Charging			kg	12.5	14	14
Sound	Sound Pressure		Cooling	dB(A)	66	69	69
			Heating		68	71	71
	Sound Power		Nominal		89	90	90

Standard

Model Name				AM260KXVAGH/EU	AM280KXVAGH/EU	AM300KXVAGH/EU
External Dimension	Net Weight		kg	333	342	350
	Shipping Weight		kg	355	364	372
	Net Dimensions (WxHxD)		mm	1,295 x 1,795 x 765	1,295 x 1,795 x 765	1,295 x 1,795 x 765
	Shipping Dimensions (WxHxD)		mm	1,363 x 1,987 x 832	1,363 x 1,987 x 832	1,363 x 1,987 x 832
Operating Temp. Range	Cooling		℃	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0
	Heating		℃	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0
Defrost	Method		-	Reversed cycle	Reversed cycle	Reversed cycle
Safety devices	Item	1	-	High pressure switch	High pressure switch	High pressure switch
		2	-	Fan driver overload protector	Fan driver overload protector	Fan driver overload protector
		3	-	Inverter overload protector	Inverter overload protector	Inverter overload protector
		4	-	PC board fuse	PC board fuse	PC board fuse

* Specification may be subject to change without prior notice.
  Specification comply with EN14511.

1) Nominal cooling capacities are based on;
  - Indoor temperature : 27°C DB, 19°C WB
  - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m
2) 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
3) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
4) Sound pressure level is obtained in an anechoic room
  - Sound pressure level is a relative value, depending on the distance and acoustic environment.
  - Sound pressure level may differ depending on operation condition.
  - dBA = A-weighted sound pressure level
  - Reference acoustic pressure 0 dB = 20uPa
5) Sound power level is an absolute value that a sound source generates.
  - dBA = A-weighted sound power level
  - Reference power : 1pW
  - Measured according to ISO 3741
6) Sound values of multi combination are theoretical values based on sound results of individual installed units.
7) These products contain R410A which is fluorinated greenhouse gas.
8) 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 by PDM kit installation Guide software whether the PDM kit should be installed or not.)

*PDM kit: Pressure Drop Modulation kit
  When the outdoor unit is below the indoor unit & the level differences are 40m or more, contact your local dealer for more information.

※ In case you want to know more information regarding capacity and correction, please refer to capacity table TDB on pvi.samsung.com site.

2 Specifications

Standard

Type					DVM S(NEW)	DVM S(NEW)	DVM S(NEW)
Model Name					AM320KXVAGH/EU	AM340KXVAGH/EU	AM360KXVAGH/EU
	Outdoor unit module 1				AM100JXVAGH/EU	AM120JXVAGH/EU	AM140KXVAGH/EU
	Outdoor unit module 2				AM220KXVAGH/EU	AM220KXVAGH/EU	AM220KXVAGH/EU
	Outdoor unit module 3				-	-	-
	Outdoor unit module 4				-	-	-
Power Supply				Φ, #, V, Hz	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
Mode				-	HEAT PUMP	HEAT PUMP	HEAT PUMP
Performance	HP			HP	32	34	36
	Capacity (Nominal)	Cooling		kW	89.6	95.2	101.6
				Btu/h	305700	324800	346700
		Heating		kW	100.8	107.1	114.3
				Btu/h	343900	365400	390000
	Total capacity of the connected Indoor Units 3)	Min.		kW	45.2	47.7	50.8
		Max.		kW	117.5	124.0	132.1
Power	Power Input (Nominal)	Cooling 1)		kW	24.2	25.51	28.28
		Heating 2)			23.35	24.73	26.86
	Current Input (Nominal)	Cooling 1)		A	38.8	40.9	45.3
		Heating 2)			37.5	39.7	43.1
	Current	Minimum Ssc value		MVA	13.2	14.1	14.0
		MCA(Minimum Circuit Amps)		A	**65.7**	**69.6**	**69.6**
		MFA/MOP(Maximum Fuse Amps)		A	**80.0**	**80.0**	**80.0**
		TOCA(Total Over Current Amps)		A	69.0	73.1	73.1
		FLA Total(Full Load Amps)		A	6.2	6.2	7.6
Capacity Control		Method		-	Inverter controlled	Inverter controlled	Inverter controlled
COP	Nominal Cooling 1)			W/W	3.7	3.73	3.59
	Nominal Heating 2)			W/W	4.32	4.33	4.26
	ESEER			W/W	6.5625	6.525294118	6.553149606
Casing	Color			-	Earth brown	Earth brown	Earth brown
	Material			-	Painted galvanized steel plate	Painted galvanized steel plate	Painted galvanized steel plate
Heat exchanger	Type			-	Fin & Tube	Fin & Tube	Fin & Tube
	Fin	Treatment		-	Anti-corrosion treatment	Anti-corrosion treatment	Anti-corrosion treatment
Compressor	Type			-	SSC Scroll	SSC Scroll	SSC Scroll
	Output			kW × n	(6.39x2) + (6.39)	(6.39x2) + (6.39)	(6.39) + (6.39x2)
	Model Name			-	DS-GB066FAVB x 3	DS-GB066FAVB x 3	DS-GB066FAVB x 3
	Oil	Type		-	PVE	PVE	PVE
		Initial Charge		cc	3300	3300	3300
Fan	Type			-	Propeller	Propeller	Propeller
	Discharge direction			-	Top	Top	Top
	Quantity			ea	3	3	4
	Air Flow Rate			m^3/min	290 + 170	290 + 220	255 + 290
				l/s	4,833.33 + 2,733.3	4,833.33 + 3,666.67	4,250.00 + 4,833.33
	External Static Pressure		Max.	mmAq	8	8	8
				Pa	78.45	78.45	78.45
Fan Motor	Model			-	BrushLess DC Motor	BrushLess DC Motor	BrushLess DC Motor
	Output x n			W	620.0 x 2 + 830.0 x 1	620.0 x 2 + 830.0 x 1	(620.0 x 2) x 2
Piping Connections	Liquid Pipe			Type	Braze connection	Braze connection	Braze connection
				Φ, mm	19.05	19.05	19.05
				Φ, inch	3/4"	3/4"	3/4"
	Gas Pipe			Type	Braze connection	Braze connection	Braze connection
				Φ, mm	34.92	34.92	41.28
				Φ, inch	1 3/8"	1 3/8"	1 5/8"
	Heat insulation			-	Both liquid and gas pipes	Both liquid and gas pipes	Both liquid and gas pipes
	Discharge Gas Pipe			Φ, mm	-	-	-
				Φ, inch	-	-	-
	Piping length	ODU-IDU	Max.	m	200(220)	200(220)	200(220)
		After branch	Max.	m	90	90	90
	Total piping length	System	Actual	m	1000	1000	1000
	Level difference	ODU-IDU	Outdoor unit in highest position	m	110	110	110
			Indoor unit in highest position	m	110	110	110
		IDU-IDU	Max.	m	50	50	50
Maximum number of connectable indoor units				ea	58	61	64
Wiring connections	For power supply	Quantity		ea	5G	5G	5G
	For connection with indoor	Minimum		mm2	0.75	0.75	0.75
		Remark		-	F1, F2	F1, F2	F1, F2
	Power supply intake			-	Both indoor and outdoor unit	Both indoor and outdoor unit	Both indoor and outdoor unit
Refrigerant	Type			-	R410A	R410A	R410A
	Factory Charging			kg	13.9	14.9	16.1
Sound	Sound Pressure		Cooling	dB(A)	66	67	66
			Heating		68	69	68
	Sound Power		Nominal		89	90	90

Standard

Model Name				AM320KXVAGH/EU	AM340KXVAGH/EU	AM360KXVAGH/EU
External Dimension	Net Weight		kg	285.0 + 195.5	285.0 + 195.5	226.0 + 285.0
	Shipping Weight		kg	305.0 + 211.5	305.0 + 211.5	246.0 + 305.0
	Net Dimensions (WxHxD)		mm	1,295 x 1,695 x 765 + 880 x 1,695 x 765	1,295 x 1,695 x 765 + 880 x 1,695 x 765	(1,295 x 1,695 x 765) x 2
	Shipping Dimensions (WxHxD)		mm	1,363 x 1,887 x 832 + 948 x 1,887 x 832	1,363 x 1,887 x 832 + 948 x 1,887 x 832	(1,363 x 1,887 x 832) x 2
Operating Temp. Range	Cooling		℃	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0
	Heating		℃	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0
Defrost	Method		-	Reversed cycle	Reversed cycle	Reversed cycle
Safety devices	Item	1	-	High pressure switch	High pressure switch	High pressure switch
		2	-	Fan driver overload protector	Fan driver overload protector	Fan driver overload protector
		3	-	Inverter overload protector	Inverter overload protector	Inverter overload protector
		4	-	PC board fuse	PC board fuse	PC board fuse

*** Specification may be subject to change without prior notice.**
Specification comply with EN14511.

1) Nominal cooling capacities are based on;
- Indoor temperature : 27°C DB, 19°C WB
- Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m
2) 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
3) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
4) Sound pressure level is obtained in an anechoic room
- Sound pressure level is a relative value, depending on the distance and acoustic environment.
- Sound pressure level may differ depending on operation condition.
- dBA = A-weighted sound pressure level
- Reference acoustic pressure 0 dB = 20uPa
5) Sound power level is an absolute value that a sound source generates.
- dBA = A-weighted sound power level
- Reference power : 1pW
- Measured according to ISO 3741
6) Sound values of multi combination are theoretical values based on sound results of individual installed units.
7) These products contain R410A which is fluorinated greenhouse gas.
8) 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 by PDM kit installation Guide software whether the PDM kit should be installed or not.)
***PDM kit: Pressure Drop Modulation kit**
When the outdoor unit is below the indoor unit & the level differences are 40m or more, contact your local dealer for more information.
※ In case you want to know more information regarding capacity and correction, please refer to capacity table TDB on pvi.samsung.com site.

Standard

Type				DVM S(NEW)	DVM S(NEW)	DVM S(NEW)
Model Name				AM380KXVAGH/EU	AM400KXVAGH/EU	AM420KXVAGH/EU
	Outdoor unit module 1			AM160KXVAGH/EU	AM180KXVAGH/EU	AM200KXVAGH/EU
	Outdoor unit module 2			AM220KXVAGH/EU	AM220KXVAGH/EU	AM220KXVAGH/EU
	Outdoor unit module 3			-	-	-
	Outdoor unit module 4			-	-	-
Power Supply			Φ, #, V, Hz	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
Mode			-	HEAT PUMP	HEAT PUMP	HEAT PUMP
Performance	HP		HP	38	40	42
	Capacity (Nominal)	Cooling	kW	106.6	112	117.6
			Btu/h	363700	382200	401300
		Heating	kW	119.7	126	132.3
			Btu/h	408400	429900	451400
	Total capacity of the connected Indoor Units 3)	Min.	kW	53.3	56.0	58.8
		Max.	kW	138.6	145.6	152.9
Power	Power Input (Nominal)	Cooling 1)	kW	29.45	29.95	31.53
		Heating 2)		28.31	28.61	30.61
	Current Input (Nominal)	Cooling 1)	A	47.2	48	50.5
		Heating 2)		45.4	45.9	49.1
	Current	Minimum Ssc value	MVA	15.8	17.4	16.7
		MCA(Minimum Circuit Amps)	A	**76.6**	**83.8**	**86.6**
		MFA/MOP(Maximum Fuse Amps)	A	**90.0**	**100.0**	**100.0**
		TOCA(Total Over Current Amps)	A	80.4	88.0	90.9
		FLA Total(Full Load Amps)	A	7.6	7.6	7.6
Capacity Control		Method	-	Inverter controlled	Inverter controlled	Inverter controlled
COP	Nominal Cooling 1)		W/W	3.62	3.74	3.73
	Nominal Heating 2)		W/W	4.23	4.4	4.32
	ESEER		W/W	6.486397749	6.412	6.397619048
Casing	Color		-	Earth brown	Earth brown	Earth brown
	Material		-	Painted galvanized steel plate	Painted galvanized steel plate	Painted galvanized steel plate
Heat exchanger	Type		-	Fin & Tube	Fin & Tube	Fin & Tube
	Fin	Treatment	-	Anti-corrosion treatment	Anti-corrosion treatment	Anti-corrosion treatment
Compressor	Type		-	SSC Scroll	SSC Scroll	SSC Scroll
	Output		kW × n	(7.81) + (6.39x2)	(7.81) + (6.39x2)	(5.18x2) + (6.39x2)
	Model Name		-	DS4GJ5080FVA x 1 + DS-GB066FAVB x 2	DS4GJ5080FVA x 1 + DS-GB066FAVB x 2	DS-GB052FAVBx2 + DSGB066FAVBx2
	Oil	Type	-	PVE	PVE	PVE
		Initial Charge	cc	3600	3600	4400
Fan	Type		-	Propeller	Propeller	Propeller
	Discharge direction		-	Top	Top	Top
	Quantity		ea	4	4	4
	Air Flow Rate		m^3/min	255 + 290	290 x 2	290 x 2
			l/s	4,250.00 + 4,833.33	4,833.33 x 2	4,833.33 x 2
	External Static Pressure	Max.	mmAq	8	8	8
			Pa	78.45	78.45	78.45
Fan Motor	Model		-	BrushLess DC Motor	BrushLess DC Motor	BrushLess DC Motor
	Output x n		W	(620.0 x 2) x 2	(620.0 x 2) x 2	(620.0 x 2) x 2
Piping Connections	Liquid Pipe		Type	Braze connection	Braze connection	Braze connection
			Φ, mm	19.05	19.05	19.05
			Φ, inch	3/4"	3/4"	3/4"
	Gas Pipe		Type	Braze connection	Braze connection	Braze connection
			Φ, mm	41.28	41.28	41.28
			Φ, inch	1 5/8"	1 5/8"	1 5/8"
	Heat insulation		-	Both liquid and gas pipes	Both liquid and gas pipes	Both liquid and gas pipes
	Discharge Gas Pipe		Φ, mm	-	-	-
			Φ, inch	-	-	-
	Piping length	ODU-IDU Max.	m	200(220)	200(220)	200(220)
		After branch Max.	m	90	90	90
	Total piping length	System Actual	m	1000	1000	1000
	Level difference	ODU-IDU Outdoor unit in highest position	m	110	110	110
		ODU-IDU Indoor unit in highest position	m	110	110	110
		IDU-IDU Max.	m	50	50	50
Maximum number of connectable indoor units			ea	64	64	64
Wiring connections	For power supply	Quantity	ea	5G	5G	5G
	For connection with indoor	Minimum	mm2	0.75	0.75	0.75
		Remark	-	F1, F2	F1, F2	F1, F2
	Power supply intake		-	Both indoor and outdoor unit	Both indoor and outdoor unit	Both indoor and outdoor unit
Refrigerant	Type		-	R410A	R410A	R410A
	Factory Charging		kg	16.8	16.8	16.8
Sound	Sound Pressure	Cooling	dB(A)	67	68	68
		Heating		69	70	70
	Sound Power	Nominal		90	90	91

Standard

Model Name				AM380KXVAGH/EU	AM400KXVAGH/EU	AM420KXVAGH/EU
External Dimension	Net Weight		kg	253.0 + 285.0	255.0 + 285.0	277.0 + 285.0
	Shipping Weight		kg	273.0 + 305.0	275.0 + 305.0	297.0 + 305.0
	Net Dimensions (WxHxD)		mm	(1,295 x 1,695 x 765) x 2	(1,295 x 1,695 x 765) x 2	(1,295 x 1,695 x 765) x 2
	Shipping Dimensions (WxHxD)		mm	(1,363 x 1,887 x 832) x 2	(1,363 x 1,887 x 832) x 2	(1,363 x 1,887 x 832) x 2
Operating Temp. Range	Cooling		℃	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0
	Heating		℃	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0
Defrost	Method		-	Reversed cycle	Reversed cycle	Reversed cycle
Safety devices	Item	1	-	High pressure switch	High pressure switch	High pressure switch
		2	-	Fan driver overload protector	Fan driver overload protector	Fan driver overload protector
		3	-	Inverter overload protector	Inverter overload protector	Inverter overload protector
		4	-	PC board fuse	PC board fuse	PC board fuse

*** Specification may be subject to change without prior notice.**
Specification comply with EN14511.

1) Nominal cooling capacities are based on;
- Indoor temperature : 27°C DB, 19°C WB
- Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m
2) 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
3) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
4) Sound pressure level is obtained in an anechoic room
- Sound pressure level is a relative value, depending on the distance and acoustic environment.
- Sound pressure level may differ depending on operation condition.
- dBA = A-weighted sound pressure level
- Reference acoustic pressure 0 dB = 20uPa
5) Sound power level is an absolute value that a sound source generates.
- dBA = A-weighted sound power level
- Reference power : 1pW
- Measured according to ISO 3741
6) Sound values of multi combination are theoretical values based on sound results of individual installed units.
7) These products contain R410A which is fluorinated greenhouse gas.
8) 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 by PDM kit installation Guide software whether the PDM kit should be installed or not.)
***PDM kit: Pressure Drop Modulation kit**
When the outdoor unit is below the indoor unit & the level differences are 40m or more, contact your local dealer for more information.
※ In case you want to know more information regarding capacity and correction, please refer to capacity table TDB on pvi.samsung.com site.

Standard

Type				DVM S(NEW)	DVM S(NEW)	DVM S(NEW)
Model Name				AM440KXVAGH/EU	AM460KXVAGH/EU	AM480KXVAGH/EU
	Outdoor unit module 1			AM220KXVAGH/EU	AM160KXVAGH/EU	AM180KXVAGH/EU
	Outdoor unit module 2			AM220KXVAGH/EU	AM300KXVAGH/EU	AM300KXVAGH/EU
	Outdoor unit module 3			-	-	-
	Outdoor unit module 4			-	-	-
Power Supply			Φ, #, V, Hz	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
Mode			-	HEAT PUMP	HEAT PUMP	HEAT PUMP
Performance	HP		HP	44	46	48
	Capacity (Nominal)	Cooling	kW	123.2	129	134.4
			Btu/h	420400	440200	458600
		Heating	kW	138.6	144.9	151.2
			Btu/h	472900	494400	515900
	Total capacity of the connected Indoor Units 3)	Min.	kW	62.0	64.5	67.2
		Max.	kW	161.2	167.7	174.7
Power	Power Input (Nominal)	Cooling 1)	kW	34.7	34.8	35.3
		Heating 2)		33.4	32.2	32.5
	Current Input (Nominal)	Cooling 1)	A	55.6	55.8	56.6
		Heating 2)		53.6	51.6	52.1
	Current	Minimum Ssc value	MVA	17.2	22.0	23.6
		MCA(Minimum Circuit Amps)	A	**89.2**	**105.0**	**112.2**
		MFA/MOP(Maximum Fuse Amps)	A	**100.0**	**125.0**	**125.0**
		TOCA(Total Over Current Amps)	A	93.7	110.3	117.8
		FLA Total(Full Load Amps)	A	7.6	7.6	7.6
Capacity Control		Method	-	Inverter controlled	Inverter controlled	Inverter controlled
COP	Nominal Cooling 1)		W/W	3.55	3.71	3.81
	Nominal Heating 2)		W/W	4.15	4.5	4.65
	ESEER		W/W	6.25	6.705813953	6.635
Casing	Color		-	Earth brown	Earth brown	Earth brown
	Material		-	Painted galvanized steel plate	Painted galvanized steel plate	Painted galvanized steel plate
Heat exchanger	Type		-	Fin & Tube	Fin & Tube	Fin & Tube
	Fin	Treatment	-	Anti-corrosion treatment	Anti-corrosion treatment	Anti-corrosion treatment
Compressor	Type		-	SSC Scroll	SSC Scroll	SSC Scroll
	Output		kW × n	(6.39x2)x2	(7.81) + (7.81x2)	(7.81) + (7.81x2)
	Model Name		-	DS-GB066FAVBx4	DS4GJ5080FVA x 3	DS4GJ5080FVA x 3
	Oil	Type	-	PVE	PVE	PVE
		Initial Charge	cc	4400	4200	4200
Fan	Type		-	Propeller	Propeller	Propeller
	Discharge direction		-	Top	Top	Top
	Quantity		ea	4	4	4
	Air Flow Rate		m^3/min	290 x 2	255 + 340	290 + 340
			l/s	4,833.33 x 2	4,250.00 + 5,666.67	4,833.33 + 5,666.67
	External Static Pressure	Max.	mmAq	8	8	8
			Pa	78.45	78.45	78.45
Fan Motor	Model		-	BrushLess DC Motor	BrushLess DC Motor	BrushLess DC Motor
	Output x n		W	(620.0 x 2) x 2	(620.0 x 2) x 2	(620.0 x 2) x 2
Piping Connections	Liquid Pipe		Type	Braze connection	Braze connection	Braze connection
			Φ, mm	19.05	19.05	19.05
			Φ, inch	3/4"	3/4"	3/4"
	Gas Pipe		Type	Braze connection	Braze connection	Braze connection
			Φ, mm	41.28	41.28	41.28
			Φ, inch	1 5/8"	1 5/8"	1 5/8"
	Heat insulation		-	Both liquid and gas pipes	Both liquid and gas pipes	Both liquid and gas pipes
	Discharge Gas Pipe		Φ, mm	-	-	-
			Φ, inch	-	-	-
	Piping length	ODU-IDU	Max.	m	200(220)	200(220)	200(220)
		After branch	Max.	m	90	90	90
	Total piping length	System	Actual	m	1000	1000	1000
	Level difference	ODU-IDU	Outdoor unit in highest position	m	110	110	110
			Indoor unit in highest position	m	110	110	110
		IDU-IDU	Max.	m	50	50	50
Maximum number of connectable indoor units			ea	64	64	64
Wiring connections	For power supply	Quantity	ea	5G	5G	5G
	For connection with indoor	Minimum	mm2	0.75	0.75	0.75
		Remark	-	F1, F2	F1, F2	F1, F2
	Power supply intake		-	Both indoor and outdoor unit	Both indoor and outdoor unit	Both indoor and outdoor unit
Refrigerant	Type		-	R410A	R410A	R410A
	Factory Charging		kg	16.8	22.4	22.4
Sound	Sound Pressure	Cooling	dB(A)	68	70	70
		Heating		70	72	72
	Sound Power	Nominal		92	91	91

Standard

Model Name				AM440KXVAGH/EU	AM460KXVAGH/EU	AM480KXVAGH/EU
External Dimension	Net Weight		kg	285.0 X 2	253.0 + 350.0	255.0 + 350.0
	Shipping Weight		kg	305.0 X 2	273.0 + 372.0	275.0 + 372.0
	Net Dimensions (WxHxD)		mm	(1,295 x 1,695 x 765) x 2	1,295 x 1,695 x 765 + 1,295 x 1,795 x 765	1,295 x 1,695 x 765 + 1,295 x 1,795 x 765
	Shipping Dimensions (WxHxD)		mm	(1,363 x 1,887 x 832) x 2	1,363 x 1,887 x 832 + 1,363 x 1,987 x 832	1,363 x 1,887 x 832 + 1,363 x 1,987 x 832
Operating Temp. Range	Cooling		℃	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0
	Heating		℃	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0
Defrost	Method		-	Reversed cycle	Reversed cycle	Reversed cycle
Safety devices	Item	1	-	High pressure switch	High pressure switch	High pressure switch
		2	-	Fan driver overload protector	Fan driver overload protector	Fan driver overload protector
		3	-	Inverter overload protector	Inverter overload protector	Inverter overload protector
		4	-	PC board fuse	PC board fuse	PC board fuse

*** Specification may be subject to change without prior notice.**
Specification comply with EN14511.

1) Nominal cooling capacities are based on;
- Indoor temperature : 27°C DB, 19°C WB
- Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m
2) 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
3) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
4) Sound pressure level is obtained in an anechoic room
- Sound pressure level is a relative value, depending on the distance and acoustic environment.
- Sound pressure level may differ depending on operation condition.
- dBA = A-weighted sound pressure level
- Reference acoustic pressure 0 dB = 20uPa
5) Sound power level is an absolute value that a sound source generates.
- dBA = A-weighted sound power level
- Reference power : 1pW
- Measured according to ISO 3741
6) Sound values of multi combination are theoretical values based on sound results of individual installed units.
7) These products contain R410A which is fluorinated greenhouse gas.
8) 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 by PDM kit installation Guide software whether the PDM kit should be installed or not.)
***PDM kit: Pressure Drop Modulation kit**
When the outdoor unit is below the indoor unit & the level differences are 40m or more, contact your local dealer for more information.
※ In case you want to know more information regarding capacity and correction, please refer to capacity table TDB on pvi.samsung.com site.

Standard

Type				DVM S(NEW)	DVM S(NEW)	DVM S(NEW)
Model Name				AM500KXVAGH/EU	AM520KXVAGH/EU	AM540KXVAGH/EU
	Outdoor unit module 1			AM200KXVAGH/EU	AM220KXVAGH/EU	AM240KXVAGH/EU
	Outdoor unit module 2			AM300KXVAGH/EU	AM300KXVAGH/EU	AM300KXVAGH/EU
	Outdoor unit module 3			-	-	-
	Outdoor unit module 4			-	-	-
Power Supply			Φ, #, V, Hz	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
Mode			-	HEAT PUMP	HEAT PUMP	HEAT PUMP
Performance	HP		HP	50	52	54
	Capacity (Nominal)	Cooling	kW	140	145.6	151.2
			Btu/h	477700	496800	515900
		Heating	kW	157.5	163.8	170.1
			Btu/h	537400	558900	580400
	Total capacity of the connected Indoor Units 3)	Min.	kW	70.0	72.8	75.6
		Max.	kW	182.0	189.3	196.6
Power	Power Input (Nominal)	Cooling 1)	kW	36.88	40.05	39.8
		Heating 2)		34.5	37.29	38.01
	Current Input (Nominal)	Cooling 1)	A	59.1	64.2	63.8
		Heating 2)		55.3	59.8	60.9
	Current	Minimum Ssc value	MVA	22.9	23.4	27.3
		MCA(Minimum Circuit Amps)	A	**115.0**	**117.6**	**128.0**
		MFA/MOP(Maximum Fuse Amps)	A	**150.0**	**150.0**	**150.0**
		TOCA(Total Over Current Amps)	A	120.8	123.5	134.4
		FLA Total(Full Load Amps)	A	7.6	7.6	7.6
Capacity Control		Method	-	Inverter controlled	Inverter controlled	Inverter controlled
COP	Nominal Cooling 1)		W/W	3.8	3.64	3.8
	Nominal Heating 2)		W/W	4.57	4.39	4.48
	ESEER		W/W	6.614	6.480769231	6.832222222
Casing	Color		-	Earth brown	Earth brown	Earth brown
	Material		-	Painted galvanized steel plate	Painted galvanized steel plate	Painted galvanized steel plate
Heat exchanger	Type		-	Fin & Tube	Fin & Tube	Fin & Tube
	Fin	Treatment	-	Anti-corrosion treatment	Anti-corrosion treatment	Anti-corrosion treatment
Compressor	Type		-	SSC Scroll	SSC Scroll	SSC Scroll
	Output		kW × n	(5.18x2) + (7.81x2)	(6.39x2) + (7.81x2)	(6.76x2) + (7.81x2)
	Model Name		-	DS-GB052FAVB x 2 + DS4GJ5080FVA x 2	DS-GB066FAVB x 2 + DS4GJ5080FVA x 2	DS-GB066FAVB x 2 + DS4GJ5080FVA x 2
	Oil	Type	-	PVE	PVE	PVE
		Initial Charge	cc	5000	5000	5000
Fan	Type		-	Propeller	Propeller	Propeller
	Discharge direction		-	Top	Top	Top
	Quantity		ea	4	4	4
	Air Flow Rate		m^3/min	290 + 340	290 + 340	340 x 2
			l/s	4,833.33 + 5,666.67	4,833.33 + 5,666.67	5,666.67 x 2
	External Static Pressure	Max.	mmAq	8	8	8
			Pa	78.45	78.45	78.45
Fan Motor	Model		-	BrushLess DC Motor	BrushLess DC Motor	BrushLess DC Motor
	Output x n		W	(620.0 x 2) x 2	(620.0 x 2) x 2	(620.0 x 2) x 2
Piping Connections	Liquid Pipe		Type	Braze connection	Braze connection	Braze connection
			Φ, mm	19.05	19.05	19.05
			Φ, inch	3/4"	3/4"	3/4"
	Gas Pipe		Type	Braze connection	Braze connection	Braze connection
			Φ, mm	41.28	41.28	41.28
			Φ, inch	1 5/8"	1 5/8"	1 5/8"
	Heat insulation		-	Both liquid and gas pipes	Both liquid and gas pipes	Both liquid and gas pipes
	Discharge Gas Pipe		Φ, mm	-	-	-
			Φ, inch	-	-	-
	Piping length	ODU-IDU	Max.	m	200(220)	200(220)	200(220)
		After branch	Max.	m	90	90	90
	Total piping length	System	Actual	m	1000	1000	1000
	Level difference	ODU-IDU	Outdoor unit in highest position	m	110	110	110
			Indoor unit in highest position	m	110	110	110
		IDU-IDU	Max.	m	50	50	50
Maximum number of connectable indoor units			ea	64	64	64
Wiring connections	For power supply	Quantity	ea	5G	5G	5G
	For connection with indoor	Minimum	mm2	0.75	0.75	0.75
		Remark	-	F1, F2	F1, F2	F1, F2
	Power supply intake		-	Both indoor and outdoor unit	Both indoor and outdoor unit	Both indoor and outdoor unit
Refrigerant	Type		-	R410A	R410A	R410A
	Factory Charging		kg	22.4	22.4	26.5
Sound	Sound Pressure	Cooling	dB(A)	70	70	71
		Heating		72	72	73
	Sound Power	Nominal		92	93	93

Standard

Model Name				AM500KXVAGH/EU	AM520KXVAGH/EU	AM540KXVAGH/EU
External Dimension	Net Weight		kg	277.0 + 350.0	285.0 + 350.0	333.0 + 350.0
	Shipping Weight		kg	297.0 + 372.0	305.0 + 372.0	355.0 + 372.0
	Net Dimensions (WxHxD)		mm	1,295 x 1,695 x 765 + 1,295 x 1,795 x 765	1,295 x 1,695 x 765 + 1,295 x 1,795 x 765	(1,295 x 1,795 x 765) x 2
	Shipping Dimensions (WxHxD)		mm	1,363 x 1,887 x 832 + 1,363 x 1,987 x 832	1,363 x 1,887 x 832 + 1,363 x 1,987 x 832	(1,363 x 1,987 x 832) x 2
Operating Temp. Range	Cooling		℃	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0
	Heating		℃	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0
Defrost	Method		-	Reversed cycle	Reversed cycle	Reversed cycle
Safety devices	Item	1	-	High pressure switch	High pressure switch	High pressure switch
		2	-	Fan driver overload protector	Fan driver overload protector	Fan driver overload protector
		3	-	Inverter overload protector	Inverter overload protector	Inverter overload protector
		4	-	PC board fuse	PC board fuse	PC board fuse

*** Specification may be subject to change without prior notice.**
Specification comply with EN14511.

1) Nominal cooling capacities are based on;
- Indoor temperature : 27°C DB, 19°C WB
- Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m
2) 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
3) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
4) Sound pressure level is obtained in an anechoic room
- Sound pressure level is a relative value, depending on the distance and acoustic environment.
- Sound pressure level may differ depending on operation condition.
- dBA = A-weighted sound pressure level
- Reference acoustic pressure 0 dB = 20uPa
5) Sound power level is an absolute value that a sound source generates.
- dBA = A-weighted sound power level
- Reference power : 1pW
- Measured according to ISO 3741
6) Sound values of multi combination are theoretical values based on sound results of individual installed units.
7) These products contain R410A which is fluorinated greenhouse gas.
8) 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 by PDM kit installation Guide software whether the PDM kit should be installed or not.)
***PDM kit: Pressure Drop Modulation kit**
When the outdoor unit is below the indoor unit & the level differences are 40m or more, contact your local dealer for more information.
※ In case you want to know more information regarding capacity and correction, please refer to capacity table TDB on pvi.samsung.com site.

Standard

Type				DVM S(NEW)	DVM S(NEW)	DVM S(NEW)
Model Name				AM560KXVAGH/EU	AM580KXVAGH/EU	AM600KXVAGH/EU
	Outdoor unit module 1			AM260KXVAGH/EU	AM280KXVAGH/EU	AM300KXVAGH/EU
	Outdoor unit module 2			AM300KXVAGH/EU	AM300KXVAGH/EU	AM300KXVAGH/EU
	Outdoor unit module 3			-	-	-
	Outdoor unit module 4			-	-	-
Power Supply			Φ, #, V, Hz	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
Mode			-	HEAT PUMP	HEAT PUMP	HEAT PUMP
Performance	HP		HP	56	58	60
	Capacity (Nominal)	Cooling	kW	156.8	162.6	168
			Btu/h	535000	554800	573200
		Heating	kW	176.4	182.7	189
			Btu/h	601900	623400	644900
	Total capacity of the connected Indoor Units 3)	Min.	kW	78.4	81.3	84.0
		Max.	kW	203.8	211.4	218.4
Power	Power Input (Nominal)	Cooling 1)	kW	41.61	43.38	45.4
		Heating 2)		38.59	40.77	41.18
	Current Input (Nominal)	Cooling 1)	A	66.7	69.6	72.8
		Heating 2)		61.9	65.4	66
	Current	Minimum Ssc value	MVA	27.0	28.4	29.6
		MCA(Minimum Circuit Amps)	A	**133.0**	**140.0**	**146.0**
		MFA/MOP(Maximum Fuse Amps)	A	**150.0**	**175.0**	**175.0**
		TOCA(Total Over Current Amps)	A	139.7	147.0	153.3
		FLA Total(Full Load Amps)	A	7.6	7.6	7.6
Capacity Control		Method	-	Inverter controlled	Inverter controlled	Inverter controlled
COP	Nominal Cooling 1)		W/W	3.77	3.75	3.7
	Nominal Heating 2)		W/W	4.57	4.48	4.59
	ESEER		W/W	6.775357143	6.73701107	6.65
Casing	Color		-	Earth brown	Earth brown	Earth brown
	Material		-	Painted galvanized steel plate	Painted galvanized steel plate	Painted galvanized steel plate
Heat exchanger	Type		-	Fin & Tube	Fin & Tube	Fin & Tube
	Fin	Treatment	-	Anti-corrosion treatment	Anti-corrosion treatment	Anti-corrosion treatment
Compressor	Type		-	SSC Scroll	SSC Scroll	SSC Scroll
	Output		kW × n	(6.39x2) + (7.81x2)	(6.76x2) + (7.81x2)	(7.81x2)x2
	Model Name		-	DS-GB066FAVB x 2 + DS4GJ5080FVA x 2	DS-GB070FAVA x 2 + DS4GJ5080FVA x 2	DS4GJ5080FVA x 4
	Oil	Type	-	PVE	PVE	PVE
		Initial Charge	cc	5000	5000	5600
Fan	Type		-	Propeller	Propeller	Propeller
	Discharge direction		-	Top	Top	Top
	Quantity		ea	4	4	4
	Air Flow Rate		m^3/min	340 x 2	340 x 2	340 x 2
			l/s	5,666.67 x 2	5,666.67 x 2	5,666.67 x 2
	External Static Pressure	Max.	mmAq	8	8	8
			Pa	78.45	78.45	78.45
Fan Motor	Model		-	BrushLess DC Motor	BrushLess DC Motor	BrushLess DC Motor
	Output x n		W	(620.0 x 2) x 2	(620.0 x 2) x 2	(620.0 x 2) x 2
Piping Connections	Liquid Pipe		Type	Braze connection	Braze connection	Braze connection
			Φ, mm	19.05	19.05	19.05
			Φ, inch	3/4"	3/4"	3/4"
	Gas Pipe		Type	Braze connection	Braze connection	Braze connection
			Φ, mm	41.28	41.28	41.28
			Φ, inch	1 5/8"	1 5/8"	1 5/8"
	Heat insulation		-	Both liquid and gas pipes	Both liquid and gas pipes	Both liquid and gas pipes
	Discharge Gas Pipe		Φ, mm	-	-	-
			Φ, inch	-	-	-
	Piping length	ODU-IDU Max.	m	200(220)	200(220)	200(220)
		After branch Max.	m	90	90	90
	Total piping length	System Actual	m	1000	1000	1000
	Level difference	ODU-IDU Outdoor unit in highest position	m	110	110	110
		ODU-IDU Indoor unit in highest position	m	110	110	110
		IDU-IDU Max.	m	50	50	50
Maximum number of connectable indoor units			ea	64	64	64
Wiring connections	For power supply	Quantity	ea	5G	5G	5G
	For connection with indoor	Minimum	mm2	0.75	0.75	0.75
		Remark	-	F1, F2	F1, F2	F1, F2
	Power supply intake		-	Both indoor and outdoor unit	Both indoor and outdoor unit	Both indoor and outdoor unit
Refrigerant	Type		-	R410A	R410A	R410A
	Factory Charging		kg	26.5	28	28
Sound	Sound Pressure	Cooling	dB(A)	71	72	72
		Heating		73	74	74
	Sound Power	Nominal		93	93	93

Standard

Model Name				AM560KXVAGH/EU	AM580KXVAGH/EU	AM600KXVAGH/EU
External Dimension	Net Weight		kg	333.0 + 350.0	342.0 + 350.0	350.0 x 2
	Shipping Weight		kg	355.0 + 372.0	364.0 + 372.0	372.0 x 2
	Net Dimensions (WxHxD)		mm	(1,295 x 1,795 x 765) x 2	(1,295 x 1,795 x 765) x 2	(1,295 x 1,795 x 765) x 2
	Shipping Dimensions (WxHxD)		mm	(1,363 x 1,987 x 832) x 2	(1,363 x 1,987 x 832) x 2	(1,363 x 1,987 x 832) x 2
Operating Temp. Range	Cooling		℃	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0
	Heating		℃	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0
Defrost	Method		-	Reversed cycle	Reversed cycle	Reversed cycle
Safety devices	Item	1	-	High pressure switch	High pressure switch	High pressure switch
		2	-	Fan driver overload protector	Fan driver overload protector	Fan driver overload protector
		3	-	Inverter overload protector	Inverter overload protector	Inverter overload protector
		4	-	PC board fuse	PC board fuse	PC board fuse

* Specification may be subject to change without prior notice.
  Specification comply with EN14511.

1) Nominal cooling capacities are based on;
  - Indoor temperature : 27°C DB, 19°C WB
  - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m
2) 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
3) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
4) Sound pressure level is obtained in an anechoic room
  - Sound pressure level is a relative value, depending on the distance and acoustic environment.
  - Sound pressure level may differ depending on operation condition.
  - dBA = A-weighted sound pressure level
  - Reference acoustic pressure 0 dB = 20uPa
5) Sound power level is an absolute value that a sound source generates.
  - dBA = A-weighted sound power level
  - Reference power : 1pW
  - Measured according to ISO 3741
6) Sound values of multi combination are theoretical values based on sound results of individual installed units.
7) These products contain R410A which is fluorinated greenhouse gas.
8) 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 by PDM kit installation Guide software whether the PDM kit should be installed or not.)

*PDM kit: Pressure Drop Modulation kit
  When the outdoor unit is below the indoor unit & the level differences are 40m or more, contact your local dealer for more information.

※ In case you want to know more information regarding capacity and correction, please refer to capacity table TDB on pvi.samsung.com site.

Standard

Type				DVM S(NEW)	DVM S(NEW)	DVM S(NEW)
Model Name				AM620KXVAGH/EU	AM640KXVAGH/EU	AM660KXVAGH/EU
	Outdoor unit module 1			AM100JXVAGH/EU	AM120JXVAGH/EU	AM140KXVAGH/EU
	Outdoor unit module 2			AM220KXVAGH/EU	AM220KXVAGH/EU	AM220KXVAGH/EU
	Outdoor unit module 3			AM300KXVAGH/EU	AM300KXVAGH/EU	AM300KXVAGH/EU
	Outdoor unit module 4			-	-	-
Power Supply			Φ, #, V, Hz	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
Mode			-	HEAT PUMP	HEAT PUMP	HEAT PUMP
Performance	HP		HP	62	64	66
	Capacity (Nominal)	Cooling	kW	173.6	179.2	185.6
			Btu/h	592300	611500	633300
		Heating	kW	195.3	201.6	208.8
			Btu/h	666400	687900	712500
	Total capacity of the connected Indoor Units 3)	Min.	kW	87.2	89.7	92.4
		Max.	kW	226.7	233.2	240.2
Power	Power Input (Nominal)	Cooling 1)	kW	46.9	48.21	50.98
		Heating 2)		43.94	45.32	47.45
	Current Input (Nominal)	Cooling 1)	A	75.2	77.3	81.7
		Heating 2)		70.5	72.7	76.1
	Current	Minimum Ssc value	MVA	28.0	28.9	28.8
		MCA(Minimum Circuit Amps)	A	**138.7**	**142.6**	**142.6**
		MFA/MOP(Maximum Fuse Amps)	A	**175.0**	**175.0**	**175.0**
		TOCA(Total Over Current Amps)	A	145.6	149.7	149.7
		FLA Total(Full Load Amps)	A	10.0	10.0	11.4
Capacity Control		Method	-	Inverter controlled	Inverter controlled	Inverter controlled
COP	Nominal Cooling 1)		W/W	3.7	3.72	3.64
	Nominal Heating 2)		W/W	4.44	4.45	4.4
	ESEER		W/W	6.60483871	6.58375	6.596982759
Casing	Color		-	Earth brown	Earth brown	Earth brown
	Material		-	Painted galvanized steel plate	Painted galvanized steel plate	Painted galvanized steel plate
Heat exchanger	Type		-	Fin & Tube	Fin & Tube	Fin & Tube
	Fin	Treatment	-	Anti-corrosion treatment	Anti-corrosion treatment	Anti-corrosion treatment
Compressor	Type		-	SSC Scroll	SSC Scroll	SSC Scroll
	Output		kW × n	(6.39x2) + (7.81x2) + (6.39)	(6.39x2) + (7.81x2) + (6.39)	(6.39) + (6.39x2) + (7.81x2)
	Model Name		-	DS-GB066FAVB x 3 + DS4GJ5080FVA x 2	DS-GB066FAVB x 3 + DS4GJ5080FVA x 2	DS-GB066FAVB x 3 + DS4GJ5080FVA x 2
	Oil	Type	-	PVE	PVE	PVE
		Initial Charge	cc	6100	6100	6100
Fan	Type		-	Propeller	Propeller	Propeller
	Discharge direction		-	Top	Top	Top
	Quantity		ea	5	5	6
	Air Flow Rate		m^3/min	290 + 340 + 170	290 + 340 + 220	255 + 290 + 340
			l/s	4,833.33 + 5,666.67 + 2,833.33	4,833.33 + 5,666.67 + 3,666.67	4,250.00 + 4,833.33 + 5,666.67
	External Static Pressure	Max.	mmAq	8	8	8
			Pa	78.45	78.45	78.45
Fan Motor	Model		-	BrushLess DC Motor	BrushLess DC Motor	BrushLess DC Motor
	Output x n		W	(620.0 x 2) x 2 + 830.0 x 1	(620.0 x 2) x 2 + 830.0 x 1	(620.0 x 2) x 3
Piping Connections	Liquid Pipe		Type	Braze connection	Braze connection	Braze connection
			Φ, mm	22.22	22.22	22.22
			Φ, inch	7/8"	7/8"	7/8"
	Gas Pipe		Type	Braze connection	Braze connection	Braze connection
			Φ, mm	53.98	53.98	53.98
			Φ, inch	2 1/8"	2 1/8"	2 1/8"
	Heat insulation		-	Both liquid and gas pipes	Both liquid and gas pipes	Both liquid and gas pipes
	Discharge Gas Pipe		Φ, mm	-	-	-
			Φ, inch	-	-	-
	Piping length	ODU-IDU Max.	m	200(220)	200(220)	200(220)
		After branch Max.	m	90	90	90
	Total piping length	System Actual	m	1000	1000	1000
	Level difference	ODU-IDU Outdoor unit in highest position	m	110	110	110
		ODU-IDU Indoor unit in highest position	m	110	110	110
		IDU-IDU Max.	m	50	50	50
Maximum number of connectable indoor units			ea	64	64	64
Wiring connections	For power supply	Quantity	ea	5G	5G	5G
	For connection with indoor	Minimum	mm2	0.75	0.75	0.75
		Remark	-	F1, F2	F1, F2	F1, F2
	Power supply intake		-	Both indoor and outdoor unit	Both indoor and outdoor unit	Both indoor and outdoor unit
Refrigerant	Type		-	R410A	R410A	R410A
	Factory Charging		kg	27.9	28.9	30.1
Sound	Sound Pressure	Cooling	dB(A)	71	71	71
		Heating		73	73	73
	Sound Power	Nominal		93	93	93

2 Specifications

Standard

Model Name				AM620KXVAGH/EU	AM640KXVAGH/EU	AM660KXVAGH/EU
External Dimension	Net Weight		kg	285.0 + 350.0 + 195.5	285.0 + 350.0 + 195.5	226.0 + 285.0 + 350.0
	Shipping Weight		kg	305.0 + 372.0 + 211.5	305.0 + 372.0 + 211.5	246.0 + 305.0 + 372.0
	Net Dimensions (WxHxD)		mm	1,295 x 1,695 x 765 + 1,295 x 1,795 x 765 + 880 x 1,695 x 765	1,295 x 1,695 x 765 + 1,295 x 1,795 x 765 + 880 x 1,695 x 765	(1,295x1,695x765) x 2 + 1,295x1,795x765
	Shipping Dimensions (WxHxD)		mm	1,363 x 1,887 x 832 + 1,363 x 1,987 x 832 + 948 x 1,887 x 832	1,363 x 1,887 x 832 + 1,363 x 1,987 x 832 + 948 x 1,887 x 832	(1,363x1,887x832) x 2 + 1,363x1,987x832
Operating Temp. Range	Cooling		℃	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0
	Heating		℃	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0
Defrost	Method		-	Reversed cycle	Reversed cycle	Reversed cycle
Safety devices	Item	1	-	High pressure switch	High pressure switch	High pressure switch
		2	-	Fan driver overload protector	Fan driver overload protector	Fan driver overload protector
		3	-	Inverter overload protector	Inverter overload protector	Inverter overload protector
		4	-	PC board fuse	PC board fuse	PC board fuse

*** Specification may be subject to change without prior notice.**
Specification comply with EN14511.

1) Nominal cooling capacities are based on;
- Indoor temperature : 27°C DB, 19°C WB
- Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m
2) 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
3) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
4) Sound pressure level is obtained in an anechoic room
- Sound pressure level is a relative value, depending on the distance and acoustic environment.
- Sound pressure level may differ depending on operation condition.
- dBA = A-weighted sound pressure level
- Reference acoustic pressure 0 dB = 20uPa
5) Sound power level is an absolute value that a sound source generates.
- dBA = A-weighted sound power level
- Reference power : 1pW
- Measured according to ISO 3741
6) Sound values of multi combination are theoretical values based on sound results of individual installed units.
7) These products contain R410A which is fluorinated greenhouse gas.
8) 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 by PDM kit installation Guide software whether the PDM kit should be installed or not.)
***PDM kit: Pressure Drop Modulation kit**
When the outdoor unit is below the indoor unit & the level differences are 40m or more, contact your local dealer for more information.
※ In case you want to know more information regarding capacity and correction, please refer to capacity table TDB on pvi.samsung.com site.

Standard

Type				DVM S(NEW)	DVM S(NEW)	DVM S(NEW)
Model Name				AM680KXVAGH/EU	AM700KXVAGH/EU	AM720KXVAGH/EU
	Outdoor unit module 1			AM160KXVAGH/EU	AM180KXVAGH/EU	AM200KXVAGH/EU
	Outdoor unit module 2			AM220KXVAGH/EU	AM220KXVAGH/EU	AM220KXVAGH/EU
	Outdoor unit module 3			AM300KXVAGH/EU	AM300KXVAGH/EU	AM300KXVAGH/EU
	Outdoor unit module 4			-	-	-
Power Supply			Φ, #, V, Hz	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
Mode			-	HEAT PUMP	HEAT PUMP	HEAT PUMP
Performance	HP		HP	68	70	72
	Capacity (Nominal)	Cooling	kW	190.6	196	201.6
			Btu/h	650400	668800	687900
		Heating	kW	214.2	220.5	226.8
			Btu/h	730900	752400	773900
	Total capacity of the connected Indoor Units 3)	Min.	kW	95.2	98.0	100.8
		Max.	kW	247.5	254.8	262.1
Power	Power Input (Nominal)	Cooling 1)	kW	52.15	52.65	54.23
		Heating 2)		48.9	49.2	51.2
	Current Input (Nominal)	Cooling 1)	A	83.6	84.4	86.9
		Heating 2)		78.4	78.9	82.1
	Current	Minimum Ssc value	MVA	30.6	32.2	23.4
		MCA(Minimum Circuit Amps)	A	**149.6**	**156.8**	**159.6**
		MFA/MOP(Maximum Fuse Amps)	A	**175.0**	**175.0**	**175.0**
		TOCA(Total Over Current Amps)	A	157.1	164.6	167.6
		FLA Total(Full Load Amps)	A	11.4	11.4	11.4
Capacity Control		Method	-	Inverter controlled	Inverter controlled	Inverter controlled
COP	Nominal Cooling 1)		W/W	3.65	3.72	3.72
	Nominal Heating 2)		W/W	4.83	4.48	4.43
	ESEER		W/W	6.558499475	6.514	6.502777778
Casing	Color		-	Earth brown	Earth brown	Earth brown
	Material		-	Painted galvanized steel plate	Painted galvanized steel plate	Painted galvanized steel plate
Heat exchanger	Type		-	Fin & Tube	Fin & Tube	Fin & Tube
	Fin	Treatment	-	Anti-corrosion treatment	Anti-corrosion treatment	Anti-corrosion treatment
Compressor	Type		-	SSC Scroll	SSC Scroll	SSC Scroll
	Output		kW × n	(7.81) + (6.39x2) + (7.81x2)	(7.81) + (6.39x2) + (7.81x2)	(5.18x2) + (6.39x2) + (7.81x2)
	Model Name		-	DS4GJ5080FVA x 3 + DS-GB066FAVB x 2	DS4GJ5080FVA x 3 + DSGB066FAVB x 2	DS-GB052FAVB x 2 + DSGB066FAVB x 2 + DS4GJ5080FVA x 2
	Oil	Type	-	PVE	PVE	PVE
		Initial Charge	cc	6400	6400	7200
Fan	Type		-	Propeller	Propeller	Propeller
	Discharge direction		-	Top	Top	Top
	Quantity		ea	6	6	6
	Air Flow Rate		m³/min	255 + 290 + 340	290 x 2 + 340	290 x 2 + 340
			l/s	4,250.00 + 4,833.33 + 5,666.67	4,833.33 x 2 + 5,666.67	4,833.33 x 2 + 5,666.67
	External Static Pressure	Max.	mmAq	8	8	8
			Pa	78.45	78.45	78.45
Fan Motor	Model		-	BrushLess DC Motor	BrushLess DC Motor	BrushLess DC Motor
	Output x n		W	(620.0 x 2) x 3	(620.0 x 2) x 3	(620.0 x 2) x 3
Piping Connections	Liquid Pipe		Type	Braze connection	Braze connection	Braze connection
			Φ, mm	22.22	22.22	22.22
			Φ, inch	7/8"	7/8"	7/8"
	Gas Pipe		Type	Braze connection	Braze connection	Braze connection
			Φ, mm	53.98	53.98	53.98
			Φ, inch	2 1/8"	2 1/8"	2 1/8"
	Heat insulation		-	Both liquid and gas pipes	Both liquid and gas pipes	Both liquid and gas pipes
	Discharge Gas Pipe		Φ, mm	-	-	-
			Φ, inch	-	-	-
	Piping length	ODU-IDU Max.	m	200(220)	200(220)	200(220)
		After branch Max.	m	90	90	90
	Total piping length	System Actual	m	1000	1000	1000
	Level difference	ODU-IDU Outdoor unit in highest position	m	110	110	110
		ODU-IDU Indoor unit in highest position	m	110	110	110
		IDU-IDU Max.	m	50	50	50
Maximum number of connectable indoor units			ea	64	64	64
Wiring connections	For power supply	Quantity	ea	5G	5G	5G
	For connection with indoor	Minimum	mm2	0.75	0.75	0.75
		Remark	-	F1, F2	F1, F2	F1, F2
	Power supply intake		-	Both indoor and outdoor unit	Both indoor and outdoor unit	Both indoor and outdoor unit
Refrigerant	Type		-	R410A	R410A	R410A
	Factory Charging		kg	30.8	30.8	30.8
Sound	Sound Pressure	Cooling	dB(A)	71	71	72
		Heating		73	73	74
	Sound Power	Nominal		93	93	94

2 Specifications

Standard

Model Name				AM680KXVAGH/EU	AM700KXVAGH/EU	AM720KXVAGH/EU
External Dimension	Net Weight		kg	253.0 + 285.0 + 350.0	255.0 + 285.0 + 350.0	277.0 + 285.0 + 350.0
	Shipping Weight		kg	273.0 + 305.0 + 372.0	275.0 + 305.0 + 372.0	297.0 + 305.0 + 372.0
	Net Dimensions (WxHxD)		mm	(1,295x1,695x765) x 2 + 1,295x1,795x765	(1,295x1,695x765) x 2 + 1,295x1,795x765	(1,295x1,695x765) x 2 + 1,295x1,795x765
	Shipping Dimensions (WxHxD)		mm	(1,363x1,887x832) x 2 + 1,363x1,987x832	(1,363x1,887x832) x 2 + 1,363x1,987x832	(1,363x1,887x832) x 2 + 1,363x1,987x832
Operating Temp. Range	Cooling		℃	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0
	Heating		℃	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0
Defrost	Method		-	Reversed cycle	Reversed cycle	Reversed cycle
Safety devices	Item	1	-	High pressure switch	High pressure switch	High pressure switch
		2	-	Fan driver overload protector	Fan driver overload protector	Fan driver overload protector
		3	-	Inverter overload protector	Inverter overload protector	Inverter overload protector
		4	-	PC board fuse	PC board fuse	PC board fuse

* Specification may be subject to change without prior notice.
  Specification comply with EN14511.

1) Nominal cooling capacities are based on;
  - Indoor temperature : 27°C DB, 19°C WB
  - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m
2) 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
3) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
4) Sound pressure level is obtained in an anechoic room
  - Sound pressure level is a relative value, depending on the distance and acoustic environment.
  - Sound pressure level may differ depending on operation condition.
  - dBA = A-weighted sound pressure level
  - Reference acoustic pressure 0 dB = 20uPa
5) Sound power level is an absolute value that a sound source generates.
  - dBA = A-weighted sound power level
  - Reference power : 1pW
  - Measured according to ISO 3741
6) Sound values of multi combination are theoretical values based on sound results of individual installed units.
7) These products contain R410A which is fluorinated greenhouse gas.
8) 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 by PDM kit installation Guide software whether the PDM kit should be installed or not.)

*PDM kit: Pressure Drop Modulation kit
  When the outdoor unit is below the indoor unit & the level differences are 40m or more, contact your local dealer for more information.

※ In case you want to know more information regarding capacity and correction, please refer to capacity table TDB on pvi.samsung.com site.

Standard

Type					DVM S(NEW)	DVM S(NEW)	DVM S(NEW)
Model Name					AM740KXVAGH/EU	AM760KXVAGH/EU	AM780KXVAGH/EU
	Outdoor unit module 1				AM220KXVAGH/EU	AM220KXVAGH/EU	AM220KXVAGH/EU
	Outdoor unit module 2				AM220KXVAGH/EU	AM240KXVAGH/EU	AM260KXVAGH/EU
	Outdoor unit module 3				AM300KXVAGH/EU	AM300KXVAGH/EU	AM300KXVAGH/EU
	Outdoor unit module 4				-	-	-
Power Supply				Φ, #, V, Hz	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
Mode				-	HEAT PUMP	HEAT PUMP	HEAT PUMP
Performance	HP			HP	74	76	78
	Capacity (Nominal)	Cooling		kW	207.2	212.8	218.4
				Btu/h	707000	726100	745200
		Heating		kW	233.1	239.4	245.7
				Btu/h	795400	816900	838400
	Total capacity of the connected Indoor Units 3)	Min.		kW	103.6	106.4	109.2
		Max.		kW	269.4	276.4	283.9
Power	Power Input (Nominal)	Cooling 1)		kW	57.4	57.15	58.96
		Heating 2)			53.99	54.71	55.29
	Current Input (Nominal)	Cooling 1)		A	92	91.6	94.5
		Heating 2)			86.6	87.7	88.7
	Current	Minimum Ssc value		MVA	32.1	35.9	35.6
		MCA(Minimum Circuit Amps)		A	**162.2**	**172.6**	**177.6**
		MFA/MOP(Maximum Fuse Amps)		A	**200.0**	**200.0**	**200.0**
		TOCA(Total Over Current Amps)		A	170.3	181.2	186.5
		FLA Total(Full Load Amps)		A	11.4	11.4	11.4
Capacity Control		Method		-	Inverter controlled	Inverter controlled	Inverter controlled
COP	Nominal Cooling 1)			W/W	3.61	3.72	3.7
	Nominal Heating 2)			W/W	4.32	4.83	4.44
	ESEER			W/W	6.412162162	6.663684211	6.627179487
Casing	Color			-	Earth brown	Earth brown	Earth brown
	Material			-	Painted galvanized steel plate	Painted galvanized steel plate	Painted galvanized steel plate
Heat exchanger	Type			-	Fin & Tube	Fin & Tube	Fin & Tube
	Fin	Treatment		-	Anti-corrosion treatment	Anti-corrosion treatment	Anti-corrosion treatment
Compressor	Type			-	SSC Scroll	SSC Scroll	SSC Scroll
	Output			kW × n	(6.39x2)x2 + (7.81x2)	(6.39x2) + (6.39x2) + (7.81x2)	(6.39x2) + (6.39x2) + (7.81x2)
	Model Name			-	DS-GB066FAVB x 4 + DS4GJ5080FVA x 2	DS-GB066FAVB x 4 + DS4GJ5080FVA x 2	DS-GB066FAVB x 4 + DS4GJ5080FVA x 2
	Oil	Type		-	PVE	PVE	PVE
		Initial Charge		cc	7200	7200	7200
Fan	Type			-	Propeller	Propeller	Propeller
	Discharge direction			-	Top	Top	Top
	Quantity			ea	6	6	6
	Air Flow Rate			m^3/min	290 x 2 + 340	290 + 340 x 2	290 + 340 x 2
				l/s	4,833.33 x 2 + 5,666.67	4,833.33 + 5,666.67 x 2	4,833.33 + 5,666.67 x 2
	External Static Pressure		Max.	mmAq	8	8	8
				Pa	78.45	78.45	78.45
Fan Motor	Model			-	BrushLess DC Motor	BrushLess DC Motor	BrushLess DC Motor
	Output x n			W	(620.0 x 2) x 3	(620.0 x 2) x 3	(620.0 x 2) x 3
Piping Connections	Liquid Pipe			Type	Braze connection	Braze connection	Braze connection
				Φ, mm	22.22	22.22	22.22
				Φ, inch	7/8"	7/8"	7/8"
	Gas Pipe			Type	Braze connection	Braze connection	Braze connection
				Φ, mm	53.98	53.98	53.98
				Φ, inch	2 1/8"	2 1/8"	2 1/8"
	Heat insulation			-	Both liquid and gas pipes	Both liquid and gas pipes	Both liquid and gas pipes
	Discharge Gas Pipe			Φ, mm	-	-	-
				Φ, inch	-	-	-
	Piping length	ODU-IDU	Max.	m	200(220)	200(220)	200(220)
		After branch	Max.	m	90	90	90
	Total piping length	System	Actual	m	1000	1000	1000
	Level difference	ODU-IDU	Outdoor unit in highest position	m	110	110	110
			Indoor unit in highest position	m	110	110	110
		IDU-IDU	Max.	m	50	50	50
Maximum number of connectable indoor units				ea	64	64	64
Wiring connections	For power supply	Quantity		ea	5G	5G	5G
	For connection with indoor	Minimum		mm2	0.75	0.75	0.75
		Remark		-	F1, F2	F1, F2	F1, F2
	Power supply intake			-	Both indoor and outdoor unit	Both indoor and outdoor unit	Both indoor and outdoor unit
Refrigerant	Type			-	R410A	R410A	R410A
	Factory Charging			kg	30.8	34.9	34.9
Sound	Sound Pressure		Cooling	dB(A)	72	72	72
			Heating		74	74	74
	Sound Power		Nominal		94	94	94

Standard

Model Name				AM740KXVAGH/EU	AM760KXVAGH/EU	AM780KXVAGH/EU
External Dimension	Net Weight		kg	285.0 x 2 + 350.0	285.0 + 333.0 + 350.0	285.0 + 333.0 + 350.0
	Shipping Weight		kg	305.0 x 2 + 372.0	305.0 + 355.0 + 372.0	305.0 + 355.0 + 372.0
	Net Dimensions (WxHxD)		mm	(1,295x1,695x765) x 2 + 1,295x1,795x765	1,295x1,695x765 + (1,295x1,795x765) x 2	1,295x1,695x765 + (1,295x1,795x765) x 2
	Shipping Dimensions (WxHxD)		mm	(1,363x1,887x832) x 2 + 1,363x1,987x832	1,363x1,887x832 + (1,363x1,987x832) x 2	1,363x1,887x832 + (1,363x1,987x832) x 2
Operating Temp. Range	Cooling		℃	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0
	Heating		℃	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0
Defrost	Method		-	Reversed cycle	Reversed cycle	Reversed cycle
Safety devices	Item	1	-	High pressure switch	High pressure switch	High pressure switch
		2	-	Fan driver overload protector	Fan driver overload protector	Fan driver overload protector
		3	-	Inverter overload protector	Inverter overload protector	Inverter overload protector
		4	-	PC board fuse	PC board fuse	PC board fuse

* Specification may be subject to change without prior notice.
  Specification comply with EN14511.

1) Nominal cooling capacities are based on;
  - Indoor temperature : 27°C DB, 19°C WB
  - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m
2) 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
3) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
4) Sound pressure level is obtained in an anechoic room
  - Sound pressure level is a relative value, depending on the distance and acoustic environment.
  - Sound pressure level may differ depending on operation condition.
  - dBA = A-weighted sound pressure level
  - Reference acoustic pressure 0 dB = 20uPa
5) Sound power level is an absolute value that a sound source generates.
  - dBA = A-weighted sound power level
  - Reference power : 1pW
  - Measured according to ISO 3741
6) Sound values of multi combination are theoretical values based on sound results of individual installed units.
7) These products contain R410A which is fluorinated greenhouse gas.
8) 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 by PDM kit installation Guide software whether the PDM kit should be installed or not.)

*PDM kit: Pressure Drop Modulation kit
  When the outdoor unit is below the indoor unit & the level differences are 40m or more, contact your local dealer for more information.

※ In case you want to know more information regarding capacity and correction, please refer to capacity table TDB on pvi.samsung.com site.

Standard

Type				DVM S(NEW)	DVM S(NEW)	DVM S(NEW)
Model Name				AM800KXVAGH/EU	AM820KXVAGH/EU	AM840KXVAGH/EU
	Outdoor unit module 1			AM220KXVAGH/EU	AM220KXVAGH/EU	AM240KXVAGH/EU
	Outdoor unit module 2			AM280KXVAGH/EU	AM300KXVAGH/EU	AM300KXVAGH/EU
	Outdoor unit module 3			AM300KXVAGH/EU	AM300KXVAGH/EU	AM300KXVAGH/EU
	Outdoor unit module 4			-	-	-
Power Supply			Φ, #, V, Hz	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
Mode			-	HEAT PUMP	HEAT PUMP	HEAT PUMP
Performance	HP		HP	80	82	84
	Capacity (Nominal)	Cooling	kW	224.2	229.6	235.2
			Btu/h	765000	783400	802500
		Heating	kW	252	258.3	264.6
			Btu/h	859900	881400	902900
	Total capacity of the connected Indoor Units 3)	Min.	kW	112.1	114.8	117.6
		Max.	kW	291.5	298.5	305.8
Power	Power Input (Nominal)	Cooling 1)	kW	60.73	62.75	62.5
		Heating 2)		57.47	57.88	58.6
	Current Input (Nominal)	Cooling 1)	A	97.4	100.6	100.2
		Heating 2)		92.2	92.8	93.9
	Current	Minimum Ssc value	MVA	37.0	38.3	42.1
		MCA(Minimum Circuit Amps)	A	**184.6**	**190.6**	**201.0**
		MFA/MOP(Maximum Fuse Amps)	A	**225.0**	**225.0**	**225.0**
		TOCA(Total Over Current Amps)	A	193.8	200.1	211.1
		FLA Total(Full Load Amps)	A	11.4	11.4	11.4
Capacity Control		Method	-	Inverter controlled	Inverter controlled	Inverter controlled
COP	Nominal Cooling 1)		W/W	3.69	3.66	3.76
	Nominal Heating 2)		W/W	4.38	4.46	4.52
	ESEER		W/W	6.603202498	6.542682927	6.767142857
Casing	Color		-	Earth brown	Earth brown	Earth brown
	Material		-	Painted galvanized steel plate	Painted galvanized steel plate	Painted galvanized steel plate
Heat exchanger	Type		-	Fin & Tube	Fin & Tube	Fin & Tube
	Fin	Treatment	-	Anti-corrosion treatment	Anti-corrosion treatment	Anti-corrosion treatment
Compressor	Type		-	SSC Scroll	SSC Scroll	SSC Scroll
	Output		kW × n	(6.39x2) + (6.76x2) + (7.81x2)	(6.39x2) + (7.81x2)x2	(6.76x2) + (7.81x2)x2
	Model Name		-	DS-GB066FAVB x 2 + DSGB070FAVA x 2 + DS4GJ5080FVA x 2	DS-GB066FAVB x 2 + DS4GJ5080FVA x 4	DS-GB066FAVB x 2 + DS4GJ5080FVA x 4
	Oil	Type	-	PVE	PVE	PVE
		Initial Charge	cc	7200	7800	7800
Fan	Type		-	Propeller	Propeller	Propeller
	Discharge direction		-	Top	Top	Top
	Quantity		ea	6	6	6
	Air Flow Rate		m^3/min	290 + 340 x 2	290 + 340 x 2	340 x 3
			l/s	4,833.33 + 5,666.67 x 2	4,833.33 + 5,666.67 x 2	5,666.67 x 3
	External Static Pressure	Max.	mmAq	8	8	8
			Pa	78.45	78.45	78.45
Fan Motor	Model		-	BrushLess DC Motor	BrushLess DC Motor	BrushLess DC Motor
	Output x n		W	(620.0 x 2) x 3	(620.0 x 2) x 3	(620.0 x 2) x 3
Piping Connections	Liquid Pipe		Type	Braze connection	Braze connection	Braze connection
			Φ, mm	22.22	22.22	22.22
			Φ, inch	7/8"	7/8"	7/8"
	Gas Pipe		Type	Braze connection	Braze connection	Braze connection
			Φ, mm	53.98	53.98	53.98
			Φ, inch	2 1/8"	2 1/8"	2 1/8"
	Heat insulation		-	Both liquid and gas pipes	Both liquid and gas pipes	Both liquid and gas pipes
	Discharge Gas Pipe		Φ, mm	-	-	-
			Φ, inch	-	-	-
	Piping length	ODU-IDU	Max. m	200(220)	200(220)	200(220)
		After branch	Max. m	90	90	90
	Total piping length	System	Actual m	1000	1000	1000
	Level difference	ODU-IDU	Outdoor unit in highest position m	110	110	110
			Indoor unit in highest position m	110	110	110
		IDU-IDU	Max. m	50	50	50
Maximum number of connectable indoor units			ea	64	64	64
Wiring connections	For power supply	Quantity	ea	5G	5G	5G
	For connection with indoor	Minimum	mm2	0.75	0.75	0.75
		Remark	-	F1, F2	F1, F2	F1, F2
	Power supply intake		-	Both indoor and outdoor unit	Both indoor and outdoor unit	Both indoor and outdoor unit
Refrigerant	Type		-	R410A	R410A	R410A
	Factory Charging		kg	36.4	36.4	40.5
Sound	Sound Pressure	Cooling	dB(A)	73	73	73
		Heating		75	75	75
	Sound Power	Nominal		94	94	94

Standard

Model Name				AM800KXVAGH/EU	AM820KXVAGH/EU	AM840KXVAGH/EU
External Dimension	Net Weight		kg	285.0 + 342.0 + 350.0	285.0 + 350.0 x 2	333.0 + 350.0 x 2
	Shipping Weight		kg	305.0 + 364.0 + 372.0	305.0 + 372.0 x 2	355.0 + 372.0 x 2
	Net Dimensions (WxHxD)		mm	1,295x1,695x765 + (1,295x1,795x765) x 2	1,295x1,695x765 + (1,295x1,795x765) x 2	(1,295x1,795x765) x 3
	Shipping Dimensions (WxHxD)		mm	1,363x1,887x832 + (1,363x1,987x832) x 2	1,363x1,887x832 + (1,363x1,987x832) x 2	(1,363x1,987x832) x 3
Operating Temp. Range	Cooling		℃	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0
	Heating		℃	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0
Defrost	Method		-	Reversed cycle	Reversed cycle	Reversed cycle
Safety devices	Item	1	-	High pressure switch	High pressure switch	High pressure switch
		2	-	Fan driver overload protector	Fan driver overload protector	Fan driver overload protector
		3	-	Inverter overload protector	Inverter overload protector	Inverter overload protector
		4	-	PC board fuse	PC board fuse	PC board fuse

*** Specification may be subject to change without prior notice.**
Specification comply with EN14511.

1) Nominal cooling capacities are based on;
- Indoor temperature : 27°C DB, 19°C WB
- Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m
2) 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
3) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
4) Sound pressure level is obtained in an anechoic room
- Sound pressure level is a relative value, depending on the distance and acoustic environment.
- Sound pressure level may differ depending on operation condition.
- dBA = A-weighted sound pressure level
- Reference acoustic pressure 0 dB = 20uPa
5) Sound power level is an absolute value that a sound source generates.
- dBA = A-weighted sound power level
- Reference power : 1pW
- Measured according to ISO 3741
6) Sound values of multi combination are theoretical values based on sound results of individual installed units.
7) These products contain R410A which is fluorinated greenhouse gas.
8) 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 by PDM kit installation Guide software whether the PDM kit should be installed or not.)
***PDM kit: Pressure Drop Modulation kit**
When the outdoor unit is below the indoor unit & the level differences are 40m or more, contact your local dealer for more information.
※ In case you want to know more information regarding capacity and correction, please refer to capacity table TDB on pvi.samsung.com site.

Standard

Type				DVM S(NEW)	DVM S(NEW)	DVM S(NEW)
Model Name				AM860KXVAGH/EU	AM880KXVAGH/EU	AM900KXVAGH/EU
	Outdoor unit module 1			AM260KXVAGH/EU	AM280KXVAGH/EU	AM300KXVAGH/EU
	Outdoor unit module 2			AM300KXVAGH/EU	AM300KXVAGH/EU	AM300KXVAGH/EU
	Outdoor unit module 3			AM300KXVAGH/EU	AM300KXVAGH/EU	AM300KXVAGH/EU
	Outdoor unit module 4			-	-	-
Power Supply			Φ, #, V, Hz	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
Mode			-	HEAT PUMP	HEAT PUMP	HEAT PUMP
Performance	HP		HP	86	88	90
	Capacity (Nominal)	Cooling	kW	240.8	246.6	252
			Btu/h	821600	841400	859900
		Heating	kW	270.9	277.2	283.5
			Btu/h	924300	945800	967300
	Total capacity of the connected Indoor Units 3)	Min.	kW	120.4	123.3	126.0
		Max.	kW	313.0	320.6	327.6
Power	Power Input (Nominal)	Cooling 1)	kW	64.31	66.08	68.1
		Heating 2)		59.18	61.36	61.77
	Current Input (Nominal)	Cooling 1)	A	103.1	106	109.2
		Heating 2)		94.9	98.4	99
	Current	Minimum Ssc value	MVA	41.8	43.2	44.5
		MCA(Minimum Circuit Amps)	A	**206.0**	**213.0**	**219.0**
		MFA/MOP(Maximum Fuse Amps)	A	**250.0**	**250.0**	**250.0**
		TOCA(Total Over Current Amps)	A	216.3	223.7	230.0
		FLA Total(Full Load Amps)	A	11.4	11.4	11.4
Capacity Control		Method	-	Inverter controlled	Inverter controlled	Inverter controlled
COP	Nominal Cooling 1)		W/W	3.74	3.73	3.7
	Nominal Heating 2)		W/W	4.58	4.52	4.59
	ESEER		W/W	6.731627907	6.707372263	6.65
Casing	Color		-	Earth brown	Earth brown	Earth brown
	Material		-	Painted galvanized steel plate	Painted galvanized steel plate	Painted galvanized steel plate
Heat exchanger	Type		-	Fin & Tube	Fin & Tube	Fin & Tube
	Fin	Treatment	-	Anti-corrosion treatment	Anti-corrosion treatment	Anti-corrosion treatment
Compressor	Type		-	SSC Scroll	SSC Scroll	SSC Scroll
	Output		kW × n	(6.39x2) + (7.81x2)x2	(6.76x2) + (7.81x2)x2	(7.81x2)x3
	Model Name		-	DS-GB066FAVB x 2 + DS4GJ5080FVA x 4	DS-GB070FAVA x 2 + DS4GJ5080FVA x 4	DS4GJ5080FVA x 6
	Oil	Type	-	PVE	PVE	PVE
		Initial Charge	cc	7800	7800	8400
Fan	Type		-	Propeller	Propeller	Propeller
	Discharge direction		-	Top	Top	Top
	Quantity		ea	6	6	6
	Air Flow Rate		m³/min	340 x 3	340 x 3	340 x 3
			l/s	5,666.67 x 3	5,666.67 x 3	5,666.67 x 3
	External Static Pressure	Max.	mmAq	8	8	8
			Pa	78.45	78.45	78.45
Fan Motor	Model		-	BrushLess DC Motor	BrushLess DC Motor	BrushLess DC Motor
	Output x n		W	(620.0 x 2) x 3	(620.0 x 2) x 3	(620.0 x 2) x 3
Piping Connections	Liquid Pipe		Type	Braze connection	Braze connection	Braze connection
			Φ, mm	22.22	22.22	22.22
			Φ, inch	7/8"	7/8"	7/8"
	Gas Pipe		Type	Braze connection	Braze connection	Braze connection
			Φ, mm	53.98	53.98	53.98
			Φ, inch	2 1/8"	2 1/8"	2 1/8"
	Heat insulation		-	Both liquid and gas pipes	Both liquid and gas pipes	Both liquid and gas pipes
	Discharge Gas Pipe		Φ, mm	-	-	-
			Φ, inch	-	-	-
	Piping length	ODU-IDU Max.	m	200(220)	200(220)	200(220)
		After branch Max.	m	90	90	90
	Total piping length	System Actual	m	1000	1000	1000
	Level difference	ODU-IDU Outdoor unit in highest position	m	110	110	110
		ODU-IDU Indoor unit in highest position	m	110	110	110
		IDU-IDU Max.	m	50	50	50
Maximum number of connectable indoor units			ea	64	64	64
Wiring connections	For power supply	Quantity	ea	5G	5G	5G
	For connection with indoor	Minimum	mm2	0.75	0.75	0.75
		Remark	-	F1, F2	F1, F2	F1, F2
	Power supply intake		-	Both indoor and outdoor unit	Both indoor and outdoor unit	Both indoor and outdoor unit
Refrigerant	Type		-	R410A	R410A	R410A
	Factory Charging		kg	40.5	42	42
Sound	Sound Pressure	Cooling	dB(A)	73	74	74
		Heating		75	76	76
	Sound Power	Nominal		94	95	95

Standard

Model Name				AM860KXVAGH/EU	AM880KXVAGH/EU	AM900KXVAGH/EU
External Dimension	Net Weight		kg	333.0 + 350.0 x 2	342.0 + 350.0 x 2	350.0 x 3
	Shipping Weight		kg	355.0 + 372.0 x 2	364.0 + 372.0 x 2	372.0 x 3
	Net Dimensions (WxHxD)		mm	(1,295x1,795x765) x 3	(1,295x1,795x765) x 3	(1,295x1,795x765) x 3
	Shipping Dimensions (WxHxD)		mm	(1,363x1,987x832) x 3	(1,363x1,987x832) x 3	(1,363x1,987x832) x 3
Operating Temp. Range	Cooling		℃	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0
	Heating		℃	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0
Defrost	Method		-	Reversed cycle	Reversed cycle	Reversed cycle
Safety devices	Item	1	-	High pressure switch	High pressure switch	High pressure switch
		2	-	Fan driver overload protector	Fan driver overload protector	Fan driver overload protector
		3	-	Inverter overload protector	Inverter overload protector	Inverter overload protector
		4	-	PC board fuse	PC board fuse	PC board fuse

* Specification may be subject to change without prior notice.
  Specification comply with EN14511.

1) Nominal cooling capacities are based on;
  - Indoor temperature : 27°C DB, 19°C WB
  - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m
2) 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
3) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
4) Sound pressure level is obtained in an anechoic room
  - Sound pressure level is a relative value, depending on the distance and acoustic environment.
  - Sound pressure level may differ depending on operation condition.
  - dBA = A-weighted sound pressure level
  - Reference acoustic pressure 0 dB = 20uPa
5) Sound power level is an absolute value that a sound source generates.
  - dBA = A-weighted sound power level
  - Reference power : 1pW
  - Measured according to ISO 3741
6) Sound values of multi combination are theoretical values based on sound results of individual installed units.
7) These products contain R410A which is fluorinated greenhouse gas.
8) 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 by PDM kit installation Guide software whether the PDM kit should be installed or not.)

*PDM kit: Pressure Drop Modulation kit
  When the outdoor unit is below the indoor unit & the level differences are 40m or more, contact your local dealer for more information.

※ In case you want to know more information regarding capacity and correction, please refer to capacity table TDB on pvi.samsung.com site.

3 Electrical Characteristics

Premium Compact

Capacity		Model	Power Supply		Voltage Range		Nominal Running Current [A]		Current [A]			ODU Fan Motor	
HP	kW		Hz	Voltage	Min. (-10%)	Max. (+10%)	Cooling	Heating	MCA	MFA	TOCA	kW	FLA [A]
8	22.40	AM080JXVHGH/EU	50	380-415	342	456	7.40	7.40	18.0	25.0	19.8	0.83	2.4
10	28.00	AM100JXVHGH/EU	50	380-415	342	456	10.00	9.40	21.1	32.0	23.2	0.83	2.4
12	33.60	AM120JXVHGH/EU	50	380-415	342	456	12.10	12.10	25.0	32.0	27.5	0.83	2.4
14	39.20	AM140KXVGGH/EU	50	380-415	342	456	14.30	15.40	25.0	32.0	27.5	1.24	3.8
16	44.80	AM160KXVGGH/EU	50	380-415	342	456	17.50	17.20	32.0	40.0	35.2	1.24	3.8
18	50.40	AM180KXVGGH/EU	50	380-415	342	456	17.10	16.90	39.2	50.0	43.1	1.24	3.8
20	56.00	AM200KXVGGH/EU	50	380-415	342	456	20.00	20.50	42.0	63.0	46.2	1.24	3.8
22	61.60	AM220KXVGGH/EU	50	380-415	342	456	25.30	25.40	44.6	63.0	49.1	1.24	3.8
24	67.20	AM240KXVGGH/EU	50	380-415	342	456	25.70	24.70	55.0	63.0	60.5	1.24	3.8
26	72.80	AM260KXVGGH/EU	50	380-415	342	456	27.80	27.40	60.0	75.0	66.0	1.24	3.8
28	78.40	AM280KXVGGH/EU	50	380-415	342	456	31.50	30.10	67.0	75.0	73.7	1.24	3.8
30	84.00	AM300KXVAGH/EU	50	380-415	342	456	36.40	33.00	73.0	80.0	80.3	1.24	3.8
32	89.60	AM320KXVGGH1EU	50	380-415	342	456	32.10	32.60	67.0	80.0	73.7	2.07	6.2
34	95.20	AM340KXVGGH1EU	50	380-415	342	456	37.40	37.50	69.6	80.0	76.6	2.07	6.2
36	100.80	AM360KXVGGH1EU	50	380-415	342	456	39.60	40.80	69.6	80.0	76.6	2.48	7.6
38	106.40	AM380KXVGGH1EU	50	380-415	342	456	42.80	42.60	76.6	90.0	84.3	2.48	7.6
40	112.00	AM400KXVGGH1EU	50	380-415	342	456	42.40	42.30	83.8	100.0	92.2	2.48	7.6
42	117.60	AM420KXVGGH1EU	50	380-415	342	456	45.30	45.90	86.6	100.0	95.3	2.48	7.6
44	123.20	AM440KXVGGH1EU	50	380-415	342	456	50.70	48.40	98.0	125.0	107.8	2.48	7.6
46	128.80	AM460KXVGGH1EU	50	380-415	342	456	53.90	50.20	105.0	125.0	115.5	2.48	7.6
48	134.40	AM480KXVGGH1EU	50	380-415	342	456	53.50	49.90	112.2	125.0	123.4	2.48	7.6
50	140.00	AM500KXVGGH1EU	50	380-415	342	456	56.40	53.50	115.0	150.0	126.5	2.48	7.6
52	145.60	AM520KXVGGH1EU	50	380-415	342	456	61.70	58.40	117.6	150.0	129.4	2.48	7.6
54	151.20	AM540KXVGGH1EU	50	380-415	342	456	62.10	57.70	128.0	150.0	140.8	2.48	7.6
56	156.80	AM560KXVGGH1EU	50	380-415	342	456	64.20	60.40	133.0	150.0	146.3	2.48	7.6
58	162.40	AM580KXVGGH1EU	50	380-415	342	456	67.90	63.10	140.0	175.0	154.0	2.48	7.6
60	168.00	AM600KXVGGH1EU	50	380-415	342	456	72.80	66.00	146.0	175.0	160.6	2.48	7.6
62	173.60	AM620KXVGGH1EU	50	380-415	342	456	68.50	65.60	140.0	175.0	154.0	3.31	10.0
64	179.20	AM640KXVGGH1EU	50	380-415	342	456	73.80	70.50	142.6	175.0	156.9	3.31	10.0
66	184.80	AM660KXVGGH1EU	50	380-415	342	456	76.00	73.80	142.6	175.0	156.9	3.72	11.4
68	190.40	AM680KXVGGH1EU	50	380-415	342	456	79.20	75.60	149.6	175.0	164.6	3.72	11.4
70	196.00	AM700KXVGGH1EU	50	380-415	342	456	78.80	75.30	156.8	175.0	172.5	3.72	11.4
72	201.60	AM720KXVGGH1EU	50	380-415	342	456	81.70	78.90	159.6	175.0	175.6	3.72	11.4
74	207.20	AM740KXVGGH1EU	50	380-415	342	456	87.00	83.80	162.2	200.0	178.4	3.72	11.4
76	212.80	AM760KXVGGH1EU	50	380-415	342	456	87.40	83.10	172.6	200.0	189.9	3.72	11.4
78	218.40	AM780KXVGGH1EU	50	380-415	342	456	89.50	85.80	177.6	200.0	195.4	3.72	11.4
80	224.00	AM800KXVGGH1EU	50	380-415	342	456	93.20	88.50	184.6	225.0	203.1	3.72	11.4
82	229.60	AM820KXVGGH1EU	50	380-415	342	456	98.10	91.40	190.6	225.0	209.7	3.72	11.4
84	235.20	AM840KXVGGH1EU	50	380-415	342	456	98.50	90.70	201.0	225.0	221.1	3.72	11.4
86	240.80	AM860KXVGGH1EU	50	380-415	342	456	100.60	93.40	206.0	250.0	226.6	3.72	11.4
88	246.40	AM880KXVGGH1EU	50	380-415	342	456	104.30	96.10	213.0	250.0	234.3	3.72	11.4
90	252.00	AM900KXVGGH1EU	50	380-415	342	456	109.20	99.00	219.0	250.0	240.9	3.72	11.4

Note

- MCA : Mimium circuit amperes.
- TOCA : Total over current amperes.
- FLA : Full load amperes.
- MSC : Maximum starting current.
  DVM S uses inverter compressor. Starting current is always ≤ TOCA.

Premium Energy Efficiency

Capacity		Model	Power Supply		Voltage Range		Nominal Running Current [A]		Current [A]			ODU Fan Motor	
			Hz	Voltage	Min. (-10%)	Max. (+10%)							
HP	kW						Cooling	Heating	MCA	MFA	TOCA	kW	FLA [A]
8	22.40	AM080JXVHGH/EU	50	380-415	342	456	7.40	7.40	18.0	25.0	19.8	0.83	2.4
10	28.00	AM100JXVHGH/EU	50	380-415	342	456	10.00	9.40	21.1	32.0	23.2	0.83	2.4
12	33.60	AM120JXVHGH/EU	50	380-415	342	456	12.10	12.10	25.0	32.0	27.5	0.83	2.4
14	39.20	AM140KXVGGH/EU	50	380-415	342	456	14.30	15.40	25.0	32.0	27.5	1.24	3.8
16	44.80	AM160KXVGGH/EU	50	380-415	342	456	17.50	17.20	32.0	40.0	35.2	1.24	3.8
18	50.40	AM180KXVGGH/EU	50	380-415	342	456	17.10	16.90	39.2	50.0	43.1	1.24	3.8
20	56.00	AM200KXVGGH/EU	50	380-415	342	456	20.00	20.50	42.0	63.0	46.2	1.24	3.8
22	61.60	AM220KXVGGH2EU	50	380-415	342	456	22.10	21.50	46.1	63.0	49.6	1.66	4.8
24	67.20	AM240KXVGGH2EU	50	380-415	342	456	24.20	24.20	50.0	63.0	49.6	1.66	4.8
26	72.80	AM260KXVGGH2EU	50	380-415	342	456	24.50	24.30	57.2	63.0	74.4	2.07	6.2
28	78.40	AM280KXVGGH2EU	50	380-415	342	456	27.40	27.90	60.0	75.0	74.4	2.07	6.2
30	84.00	AM300KXVGGH2EU	50	380-415	342	456	29.20	29.00	64.2	75.0	74.4	2.07	6.2
32	89.60	AM320KXVGGH2EU	50	380-415	342	456	31.40	32.30	64.2	75.0	74.4	2.48	7.6
34	95.20	AM340KXVGGH2EU	50	380-415	342	456	31.90	31.70	75.2	90.0	99.2	2.9	8.6
36	100.80	AM360KXVGGH2EU	50	380-415	342	456	34.20	33.80	78.4	90.0	99.2	2.48	7.6
38	106.40	AM380KXVGGH2EU	50	380-415	342	456	37.10	37.40	81.2	90.0	99.2	2.48	7.6
40	112.00	AM400KXVGGH2EU	50	380-415	342	456	38.80	39.70	82.2	90.0	99.2	3.31	10.0
42	117.60	AM420KXVGGH2EU	50	380-415	342	456	41.70	43.30	85.0	100.0	99.2	3.31	10.0
44	123.20	AM440KXVGGH2EU	50	380-415	342	456	41.60	41.20	96.4	125.0	99.2	3.31	10.0
46	128.80	AM460KXVGGH2EU	50	380-415	342	456	44.50	44.80	99.2	125.0	124.0	3.31	10.0
48	134.40	AM480KXVGGH2EU	50	380-415	342	456	47.40	48.40	102.0	125.0	124.0	3.31	10.0
50	140.00	AM500KXVGGH2EU	50	380-415	342	456	48.50	49.20	103.4	125.0	124.0	3.72	11.4
52	145.60	AM520KXVGGH2EU	50	380-415	342	456	52.30	51.70	117.2	150.0	124.0	3.31	7.6
54	151.20	AM540KXVGGH2EU	50	380-415	342	456	55.20	55.30	120.0	150.0	124.0	3.31	7.6
56	156.80	AM560KXVGGH2EU	50	380-415	342	456	57.00	56.40	124.2	150.0	124.0	3.31	7.6
58	162.40	AM580KXVGGH2EU	50	380-415	342	456	60.90	59.50	133.0	150.0	142.4	3.31	10.0
60	168.00	AM600KXVGGH2EU	50	380-415	342	456	59.90	58.50	133.4	150.0	167.2	3.72	11.4
62	173.60	AM620KXVGGH2EU	50	380-415	342	456	58.70	58.10	135.6	150.0	173.6	4.55	13.8
64	179.20	AM640KXVGGH2EU	50	380-415	342	456	61.60	61.70	138.4	175.0	173.6	4.55	13.8
66	184.80	AM660KXVGGH2EU	50	380-415	342	456	63.40	62.80	142.6	175.0	173.6	4.55	11.4
68	190.40	AM680KXVGGH2EU	50	380-415	342	456	65.60	66.10	142.6	175.0	173.6	4.96	15.2
70	196.00	AM700KXVGGH2EU	50	380-415	342	456	69.40	68.60	156.4	175.0	173.6	4.55	13.8
72	201.60	AM720KXVGGH2EU	50	380-415	342	456	68.40	67.60	156.8	175.0	198.4	4.96	15.2
74	207.20	AM740KXVGGH2EU	50	380-415	342	456	71.30	71.20	159.6	200.0	198.4	4.96	15.2
76	212.80	AM760KXVGGH2EU	50	380-415	342	456	74.20	74.80	162.4	200.0	198.4	4.96	15.2
78	218.40	AM780KXVGGH2EU	50	380-415	342	456	77.10	78.40	165.2	200.0	198.4	4.96	15.2
80	224.00	AM800KXVGGH2EU	50	380-415	342	456	79.10	78.10	177.6	200.0	198.4	4.96	15.2
82	229.60	AM820KXVGGH2EU	50	380-415	342	456	82.00	81.70	180.4	200.0	198.4	4.96	15.2
84	235.20	AM840KXVGGH2EU	50	380-415	342	456	84.90	85.30	183.2	225.0	198.4	4.96	15.2
86	240.80	AM860KXVGGH2EU	50	380-415	342	456	90.20	90.20	185.8	225.0	198.4	4.96	15.2
88	246.40	AM880KXVGGH2EU	50	380-415	342	456	90.60	89.50	196.2	225.0	216.8	4.96	15.2
90	252.00	AM900KXVGGH2EU	50	380-415	342	456	92.70	92.20	201.2	225.0	198.4	4.96	15.2

Note

- MCA : Mimium circuit amperes.
- TOCA : Total over current amperes.
- FLA : Full load amperes.
- MSC : Maximum starting current.
  DVM S uses inverter compressor. Starting current is always ≤ TOCA.

3 Electrical Characteristics

Standard

Capacity		Model	Power Supply		Voltage Range		Nominal Running Current [A]		Current [A]			ODU Fan Motor	
			Hz	Voltage	Min. (-10%)	Max. (+10%)							
HP	kW						Cooling	Heating	MCA	MFA	TOCA	kW	FLA [A]
8	22.40	AM080JXVAGH/EU	50	380-415	342	456	8.00	8.20	18.0	25.0	18.9	0.83	2.4
10	28.00	AM100JXVAGH/EU	50	380-415	342	456	11.00	10.70	21.1	32.0	22.2	0.83	2.4
12	33.60	AM120JXVAGH/EU	50	380-415	342	456	13.10	12.90	25.0	32.0	26.3	0.83	2.4
14	39.20	AM140KXVAGH/EU	50	380-415	342	456	17.50	16.30	25.0	32.0	26.3	1.24	3.8
16	44.80	AM160KXVAGH/EU	50	380-415	342	456	19.40	18.60	32.0	40.0	33.6	1.24	3.8
18	50.40	AM180KXVAGH/EU	50	380-415	342	456	20.20	19.10	39.2	50.0	41.2	1.24	3.8
20	56.00	AM200KXVAGH/EU	50	380-415	342	456	22.70	22.30	42.0	63.0	44.1	1.24	3.8
22	61.60	AM220KXVAGH/EU	50	380-415	342	456	27.80	26.80	44.6	63.0	46.8	1.24	3.8
24	67.20	AM240KXVAGH/EU	50	380-415	342	456	27.40	27.90	55.0	63.0	57.8	1.24	3.8
26	72.80	AM260KXVAGH/EU	50	380-415	342	456	30.30	28.90	60.0	75.0	63.0	1.24	3.8
28	78.40	AM280KXVAGH/EU	50	380-415	342	456	33.20	32.40	67.0	75.0	70.4	1.24	3.8
30	84.00	AM300KXVAGH/EU	50	380-415	342	456	36.40	33.00	73.0	80.0	76.7	1.24	3.8
32	89.60	AM320KXVAGH/EU	50	380-415	342	456	38.80	37.50	65.7	80.0	69.0	2.07	6.2
34	95.20	AM340KXVAGH/EU	50	380-415	342	456	40.90	39.70	69.6	80.0	73.1	2.07	6.2
36	100.80	AM360KXVAGH/EU	50	380-415	342	456	45.30	43.10	69.6	80.0	73.1	2.48	7.6
38	106.40	AM380KXVAGH/EU	50	380-415	342	456	47.20	45.40	76.6	90.0	80.4	2.48	7.6
40	112.00	AM400KXVAGH/EU	50	380-415	342	456	48.00	45.90	83.8	100.0	88.0	2.48	7.6
42	117.60	AM420KXVAGH/EU	50	380-415	342	456	50.50	49.10	86.6	100.0	90.9	2.48	7.6
44	123.20	AM440KXVAGH/EU	50	380-415	342	456	55.60	53.60	89.2	100.0	93.7	2.48	7.6
46	128.80	AM460KXVAGH/EU	50	380-415	342	456	55.80	51.60	105.0	125.0	110.3	2.48	7.6
48	134.40	AM480KXVAGH/EU	50	380-415	342	456	56.60	52.10	112.2	125.0	117.8	2.48	7.6
50	140.00	AM500KXVAGH/EU	50	380-415	342	456	59.10	55.30	115.0	150.0	120.8	2.48	7.6
52	145.60	AM520KXVAGH/EU	50	380-415	342	456	64.20	59.80	117.6	150.0	123.5	2.48	7.6
54	151.20	AM540KXVAGH/EU	50	380-415	342	456	63.80	60.90	128.0	150.0	134.4	2.48	7.6
56	156.80	AM560KXVAGH/EU	50	380-415	342	456	66.70	61.90	133.0	150.0	139.7	2.48	7.6
58	162.40	AM580KXVAGH/EU	50	380-415	342	456	69.60	65.40	140.0	175.0	147.0	2.48	7.6
60	168.00	AM600KXVAGH/EU	50	380-415	342	456	72.80	66.00	146.0	175.0	153.3	2.48	7.6
62	173.60	AM620KXVAGH/EU	50	380-415	342	456	75.20	70.50	138.7	175.0	145.6	3.31	10.0
64	179.20	AM640KXVAGH/EU	50	380-415	342	456	77.30	72.70	142.6	175.0	149.7	3.31	10.0
66	184.80	AM660KXVAGH/EU	50	380-415	342	456	81.70	76.10	142.6	175.0	149.7	3.72	11.4
68	190.40	AM680KXVAGH/EU	50	380-415	342	456	83.60	78.40	149.6	175.0	157.1	3.72	11.4
70	196.00	AM700KXVAGH/EU	50	380-415	342	456	84.40	78.90	156.8	175.0	164.6	3.72	11.4
72	201.60	AM720KXVAGH/EU	50	380-415	342	456	86.90	82.10	159.6	175.0	167.6	3.72	11.4
74	207.20	AM740KXVAGH/EU	50	380-415	342	456	92.00	86.60	162.2	200.0	170.3	3.72	11.4
76	212.80	AM760KXVAGH/EU	50	380-415	342	456	91.60	87.70	172.6	200.0	181.2	3.72	11.4
78	218.40	AM780KXVAGH/EU	50	380-415	342	456	94.50	88.70	177.6	200.0	186.5	3.72	11.4
80	224.00	AM800KXVAGH/EU	50	380-415	342	456	97.40	92.20	184.6	225.0	193.8	3.72	11.4
82	229.60	AM820KXVAGH/EU	50	380-415	342	456	100.60	92.80	190.6	225.0	200.1	3.72	11.4
84	235.20	AM840KXVAGH/EU	50	380-415	342	456	100.20	93.90	201.0	225.0	211.1	3.72	11.4
86	240.80	AM860KXVAGH/EU	50	380-415	342	456	103.10	94.90	206.0	250.0	216.3	3.72	11.4
88	246.40	AM880KXVAGH/EU	50	380-415	342	456	106.00	98.40	213.0	250.0	223.7	3.72	11.4
90	252.00	AM900KXVAGH/EU	50	380-415	342	456	109.20	99.00	219.0	250.0	230.0	3.72	11.4

Note

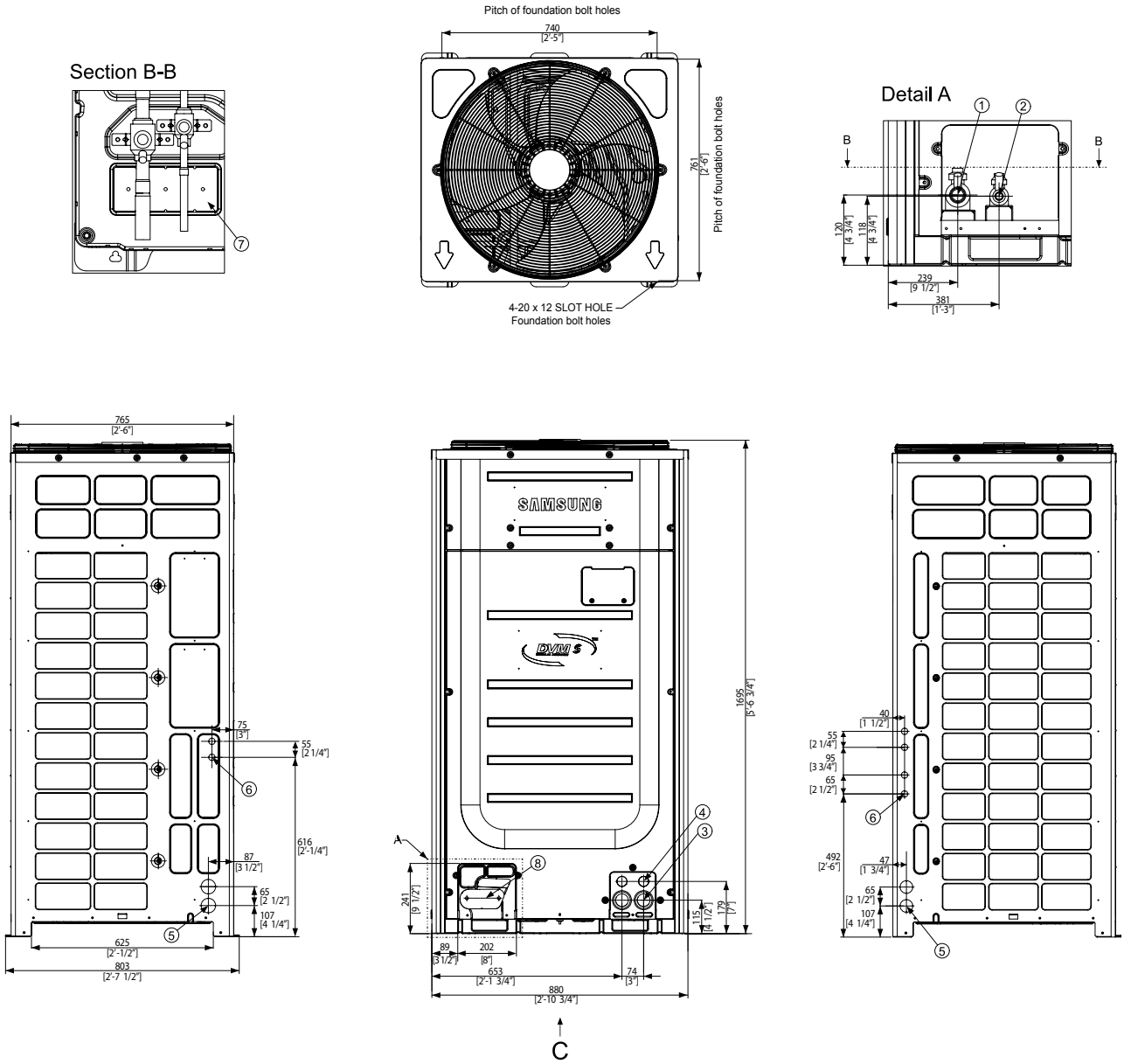
- MCA : Mimium circuit amperes.
- TOCA : Total over current amperes.
- FLA : Full load amperes.
- MSC : Maximum starting current.
  DVM S uses inverter compress. Starting current is always ≤ TOCA.

4 Dimensional drawing

Outdoor

AM080JXVHGH/EU, AM100JXVHGH/EU, AM120JXVHGH/EU, AM080JXVAGH/EU, AM100JXVAGH/EU, AM120JXVAGH/EU

Units : mm [inches]



Notes

1. Detail A and SECTION A-A indicate the dimension after fixing the attachced piping.
2. Item 3-8 : Knockout hole.
3. View A indicate the dimension of knock-out hole (bottom)
4. Gas pipe
   AM120**** : ∅28.58 brazing connection
   AM100**** : ∅22.22 brazing connection
   AM080**** : ∅19.05 brazing connection

   Liquid pipe
   AM120**** : ∅12.70 brazing connection
   AM100**** : ∅ 9.52 brazing connection
   AM080**** : ∅ 9.52 brazing connection

View C

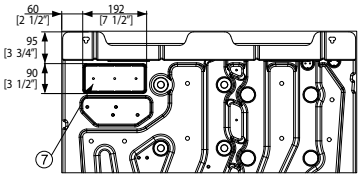


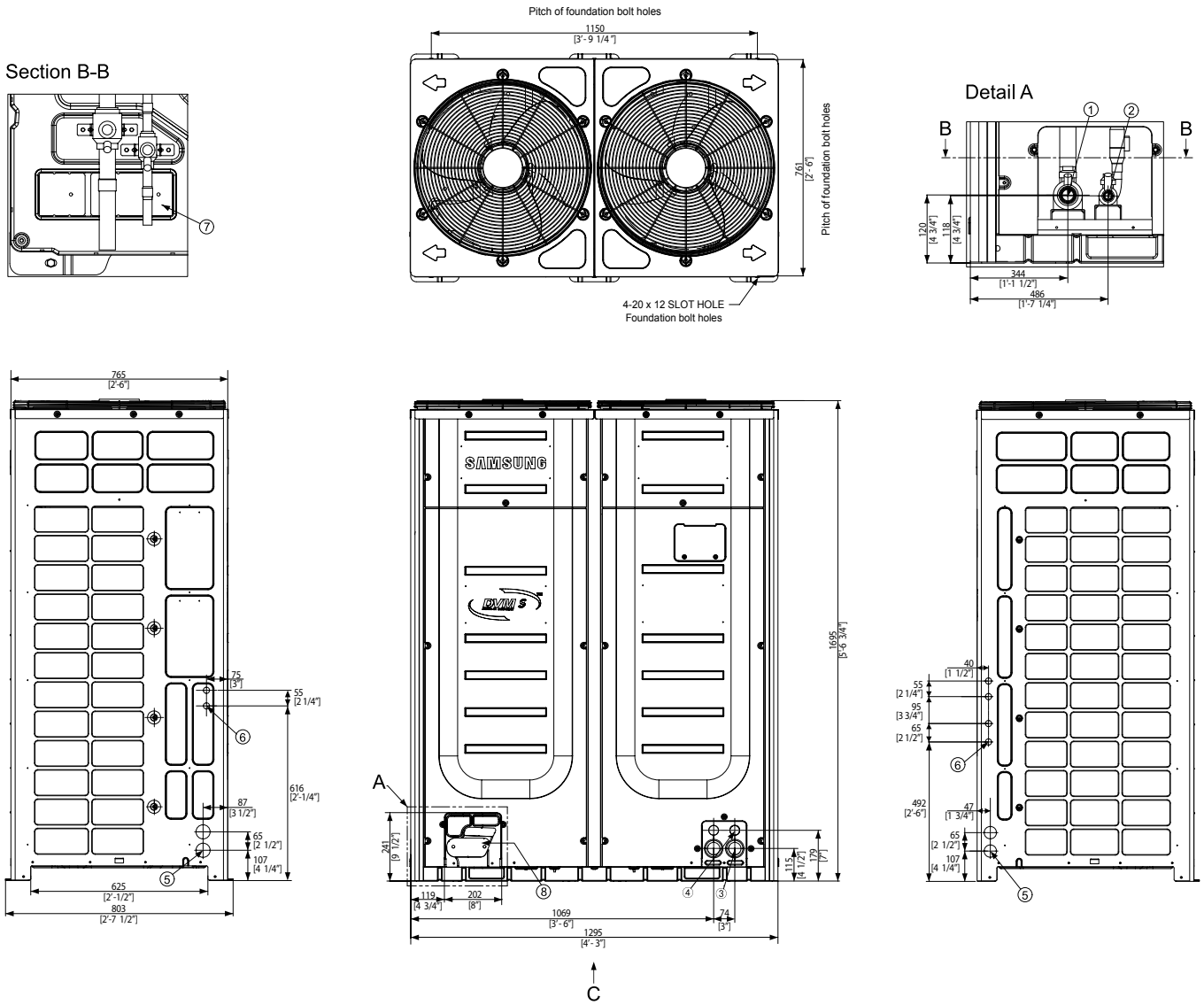
	Table of descriptions	
1	Gas Ref. pipe	See note 4.
2	Liquid Ref. pipe	See note 4.
3	Power wiring conduit	Φ34
4	Communication wiring conduit	Φ44
5	Power wiring conduit	Φ22
6	Communication wiring conduit	Φ44
7	Knock-out Hole for Ref. Piping (bottom)	
8	Knock-out Hole for Ref. Piping (front)	

4 Dimensional drawing

Outdoor

AM140KXVGGH/EU, AM160KXVGGH/EU, AM180KXVGGH/EU, AM200KXVGGH/EU, AM220KXVGGH/EU, AM140KXVAGH/EU, AM160KXVAGH/EU, AM180KXVAGH/EU, AM200KXVAGH/EU, AM220KXVAGH/EU

Units : mm [inches]



Notes

1. Detail A and Section B-B indicate the dimension after fixing the attachced piping.
2. Item 3-8 : Knockout hole.
3. View C indicate the dimension of knock-out hole (bottom)
4. Gas pipe
   AM220**** : ∅28.58 brazing connection
   AM200**** : ∅28.58 brazing connection
   AM180**** : ∅28.58 brazing connection
   AM160**** : ∅28.58 brazing connection
   AM140**** : ∅25.40 brazing connection

   Liquid pipe
   AM220**** : ∅15.88 brazing connection
   AM200**** : ∅15.88 brazing connection
   AM180**** : ∅15.88 brazing connection
   AM160**** : ∅12.70 brazing connection
   AM140**** : ∅12.70 brazing connection

View C

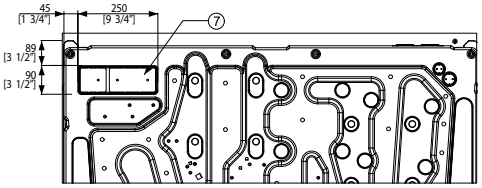


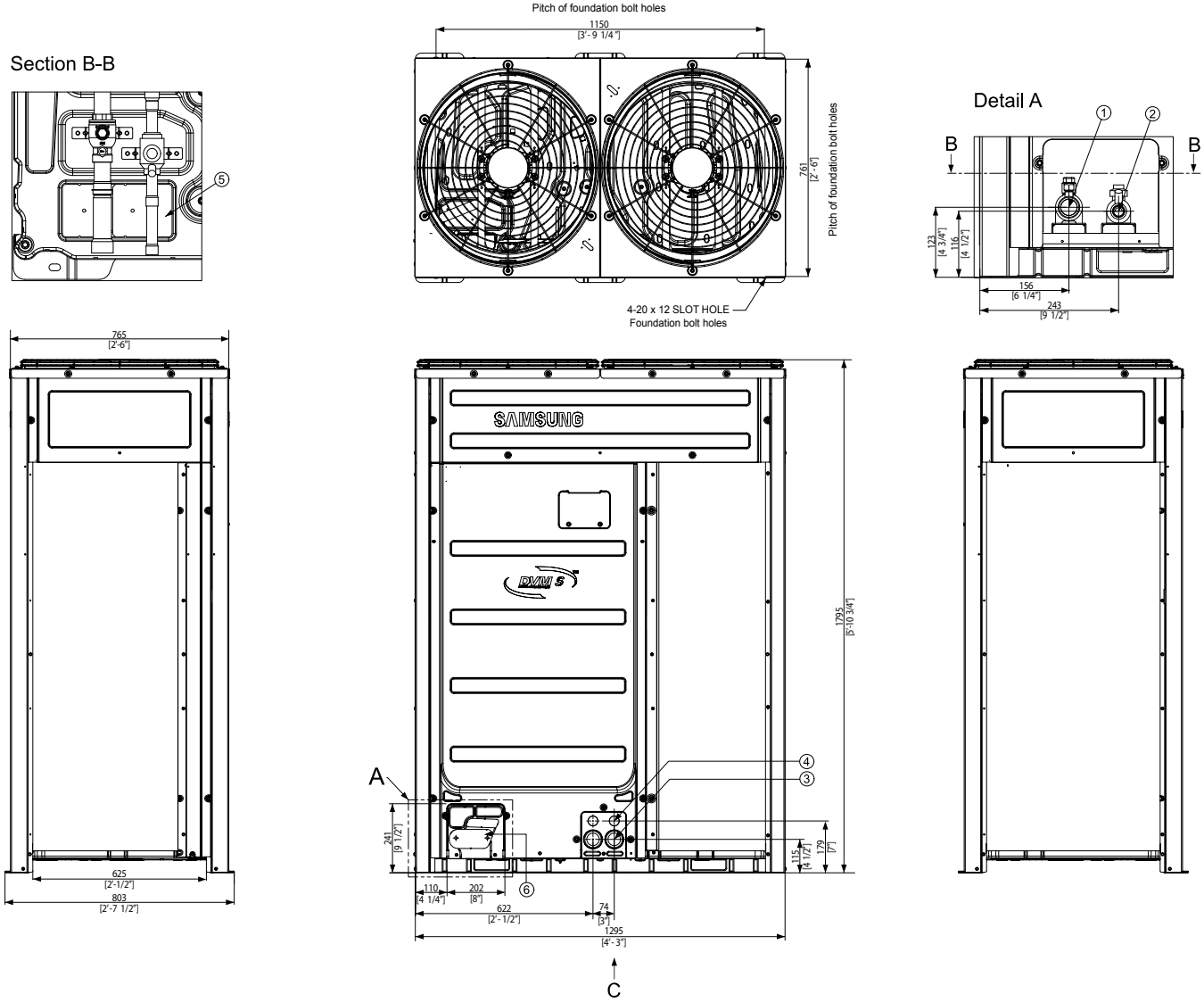
	Table of descriptions	
1	Gas Ref. pipe	See note 4.
2	Liquid Ref. pipe	See note 4.
3	Power wiring conduit	Φ34
4	Communication wiring conduit	Φ44
5	Power wiring conduit	Φ22
6	Communication wiring conduit	Φ44
7	Knock-out Hole for Ref. Piping (bottom)	
8	Knock-out Hole for Ref. Piping (front)	

4 Dimensional drawing

Outdoor

AM240KXVGGH/EU, AM260KXVGGH/EU, AM280KXVGGH/EU, AM300KXVAGH/EU, AM240KXVAGH/EU, AM260KXVAGH/EU, AM280KXVAGH/EU

Units : mm [inches]



Notes

1. Detail A and Section B-B indicate the dimension after fixing the attachced piping.
2. Item 3-6 : Knockout hole.
3. View C indicate the dimension of knock-out hole (bottom)
4. Gas pipe
   AM300**** : ∅34.92 brazing connection
   AM280**** : ∅34.92 brazing connection
   AM260**** : ∅34.92 brazing connection
   AM240**** : ∅34.92 brazing connection

   Liquid pipe
   AM300**** : ∅19.05 brazing connection
   AM280**** : ∅19.05 brazing connection
   AM260**** : ∅19.05 brazing connection
   AM240**** : ∅15.88 brazing connection

View C

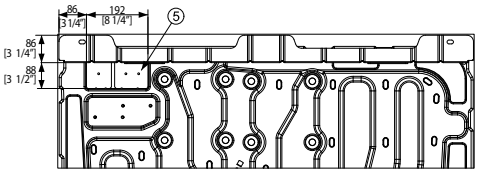


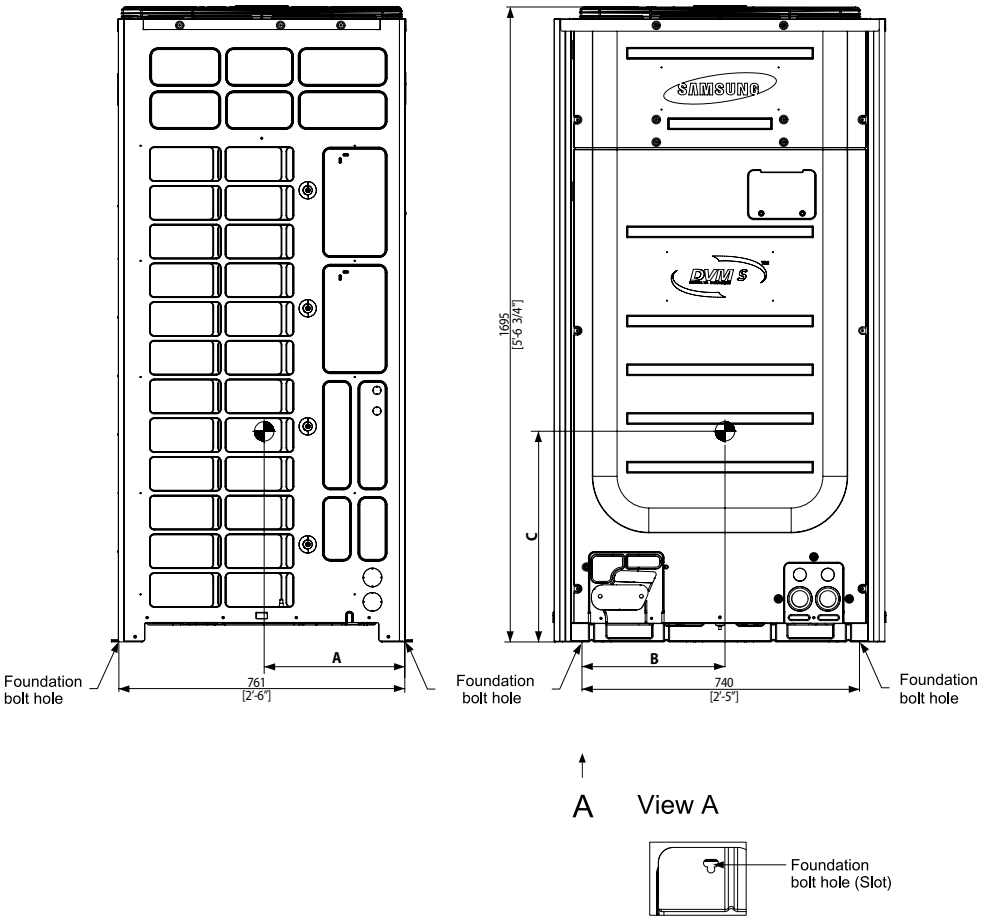
	Table of descriptions	
1	Gas Ref. pipe	See note 4.
2	Liquid Ref. pipe	See note 4.
3	Power wiring conduit	Φ34
4	Communication wiring conduit	Φ44
5	Knock-out Hole for Ref. Piping (bottom)	
6	Knock-out Hole for Ref. Piping (front)	

5 Center of gravity

Outdoor

AM080JXVHGH/EU, AM100JXVHGH/EU, AM120JXVHGH/EU, AM080JXVAGH/EU, AM100JXVAGH/EU, AM120JXVAGH/EU

Units : mm [inches]



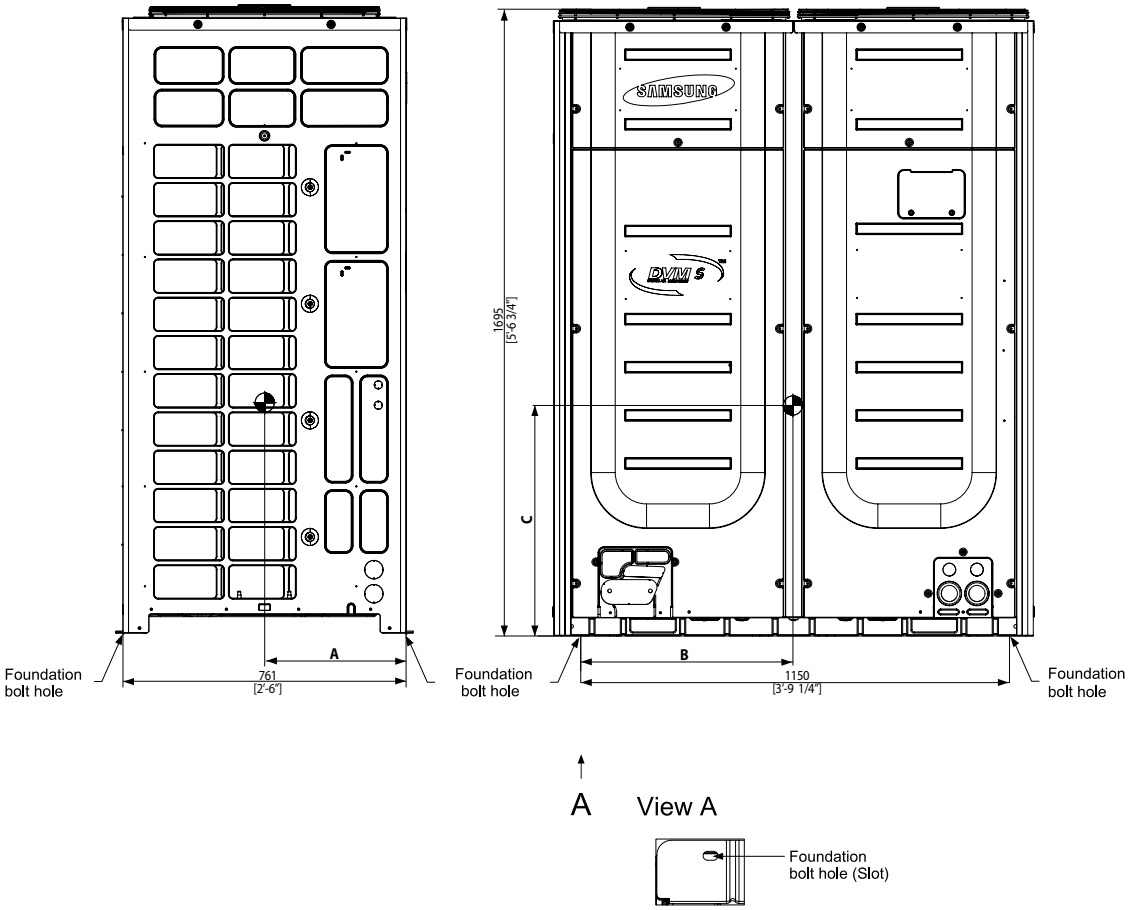
Model	A	B	C
AM120******	361 [1′-3/4″]	455 [1′-6″]	560 [1′-10″]
AM100******	336 [1′-1 1/4″]	455 [1′-6″]	560 [1′-10″]
AM080******	336 [1′-1 1/4″]	455 [1′-6″]	560 [1′-10″]

5 Center of gravity

Outdoor

AM140KXVGGH/EU, AM160KXVGGH/EU, AM180KXVGGH/EU, AM200KXVGGH/EU, AM220KXVGGH/EU, AM140KXVAGH/EU, AM160KXVAGH/EU, AM180KXVAGH/EU, AM200KXVAGH/EU, AM220KXVAGH/EU

Units : mm [inches]



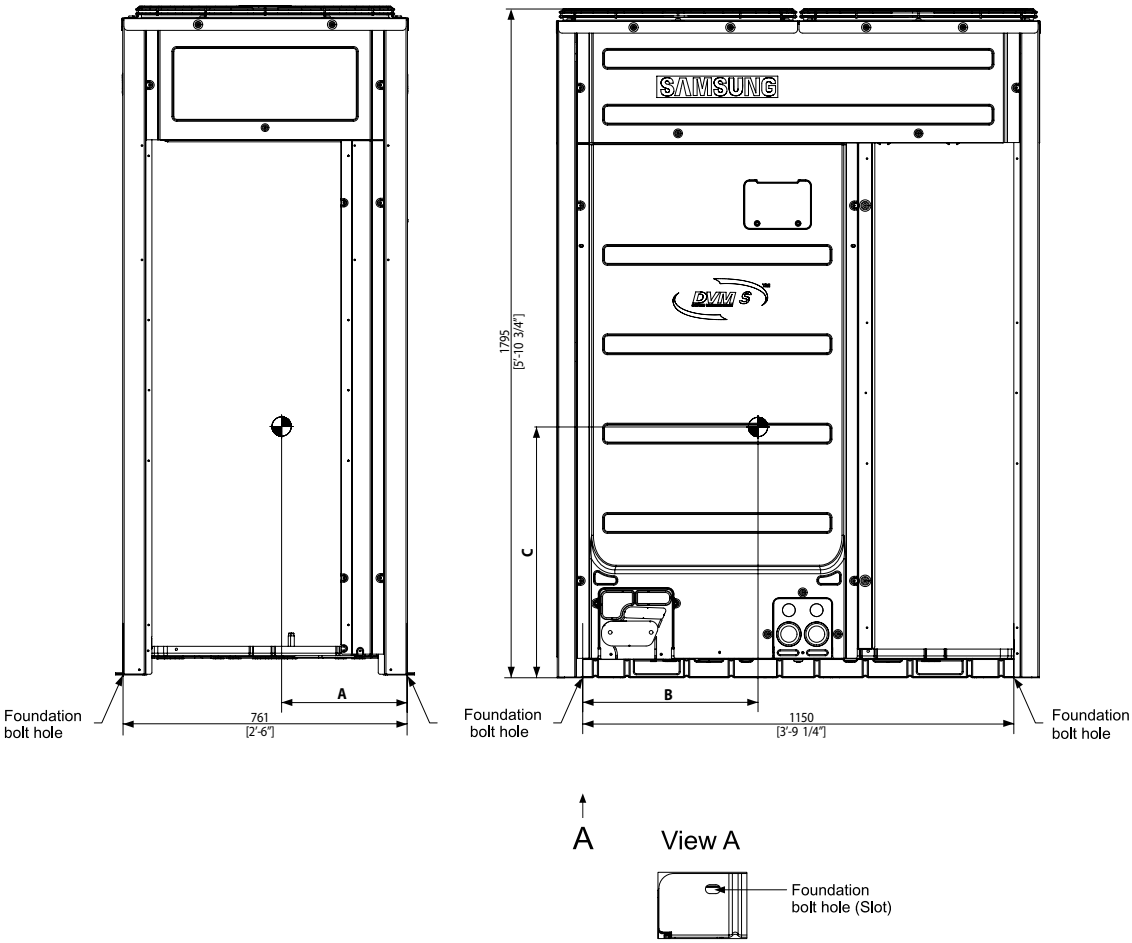
Model	A	B	C
AM220******	336 [1'-1 1/4"]	654 [2'-1 3/4"]	620 [2'-1/2"]
AM200******	336 [1'-1 1/4"]	654 [2'-1 3/4"]	620 [2'-1/2"]
AM180******	336 [1'-1 1/4"]	654 [2'-1 3/4"]	620 [2'-1/2"]
AM160******	367 [1'-2 1/2"]	656 [2'-1 3/4"]	620 [2'-1/2"]
AM140******	369 [1'-2 1/2"]	567 [1'-11 1/2"]	620 [2'-1/2"]

5 Center of gravity

Outdoor

AM240KXVGGH/EU, AM260KXVGGH/EU, AM280KXVGGH/EU, AM300KXVAGH/EU, AM240KXVAGH/EU, AM260KXVAGH/EU, AM280KXVAGH/EU

Units : mm [inches]

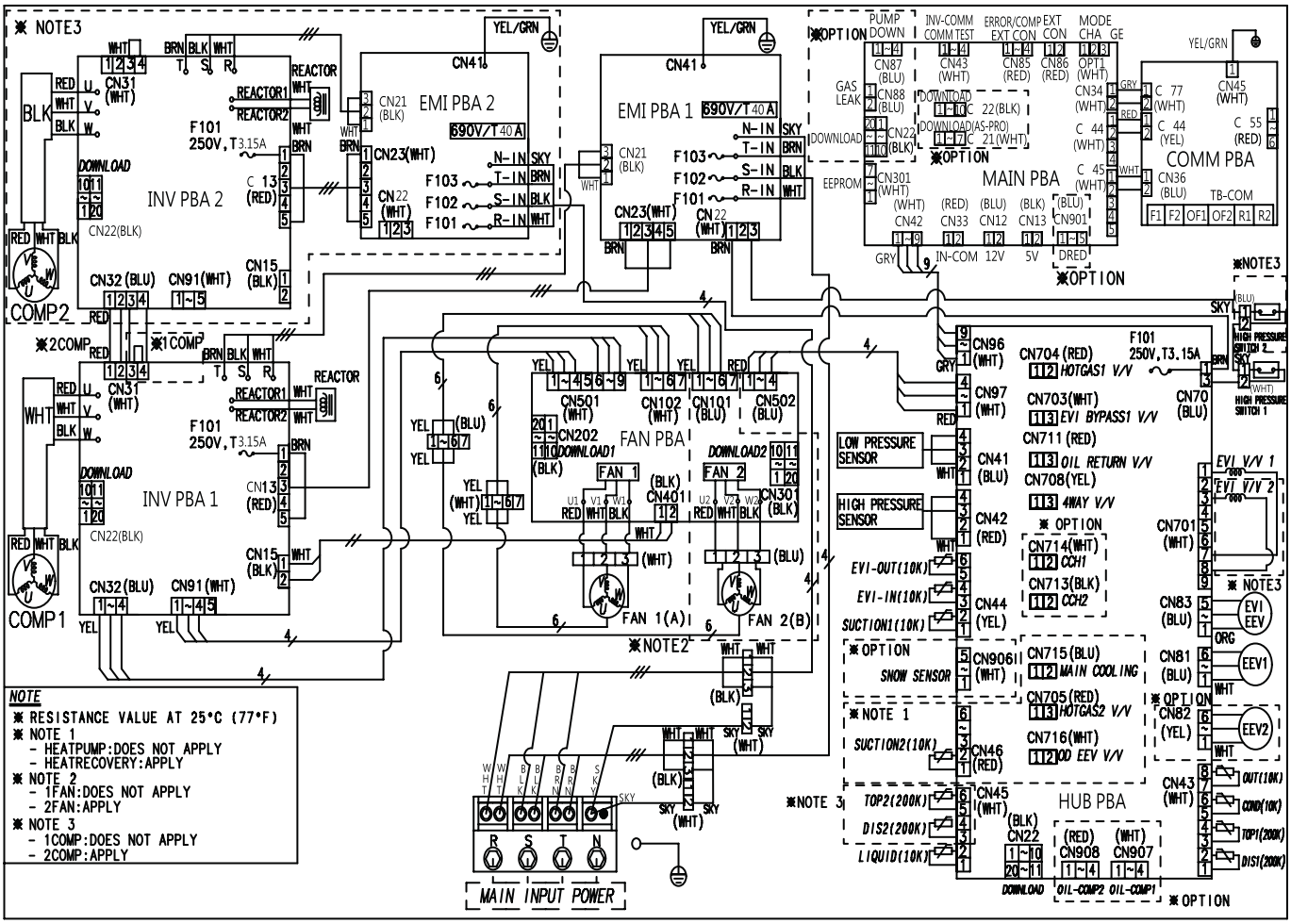


Model	A	B	C
AM240******	393 [1'-3 1/2"]	665 [2'-2 1/4"]	640 [2'-1 1/4"]
AM260******	393 [1'-3 1/2"]	665 [2'-2 1/4"]	640 [2'-1 1/4"]
AM280******	335 [1'-1 1/4"]	564 [1'-10 1/4"]	675 [2'-2 1/2"]
AM300******	335 [1'-1 1/4"]	564 [1'-10 1/4"]	675 [2'-2 1/2"]

6 Electrical wiring diagrams

Outdoor

AM080JXVHGH/EU, AM100JXVHGH/EU, AM120JXVHGH/EU, AM140KXVGGH/EU, AM180KXVGGH/EU, AM200KXVGGH/EU, AM220KXVGGH/EU, AM080JXVAGH/EU, AM100JXVAGH/EU, AM120JXVAGH/EU, AM140KXVAGH/EU, AM200KXVAGH/EU, AM220KXVAGH/EU



INV PBA1	Printed circuit board(inverter1)	EEV1	Electronic expansion valve 1	LIQUID(10K)	Thermistor (Liquid Tube Temp._10Kohm)
INV PBA2	Printed circuit board(inverter2)	EEV2	Electronic expansion valve 2	HOTGAS1 V/V	Solenoid valve(Hot Gas Bypass1)
EMI PBA1	Printed circuit board(emi1)	EVI-OUT(10K)	Thermistor (EVI-out_10kohm)	EVI BYPASS V/V	Solenoid valve(EVI Bypass)
EMI PBA2	Printed circuit board(emi2)	EVI-IN(10K)	Thermistor (EVI-in_10Kohm)	RETURN V/V	Solenoid valve(Accumulator Oil Return)
FAN PBA	Printed circuit board(fan motor)	SUCTTION1(10K)	Thermistor (Suction Temp.1_10Kohm)	4WAY V/V	Solenoid valve(4Way Valve)
MAIN PBA	Printed circuit board(main)	SUCTTION2(10K)	Thermistor (Suction Temp.2_10Kohm)	CCH1	Crank Case Heater (Compressor1)
HUB PBA	Printed circuit board(hub)	SNOW SENSOR	SNOW SENSOR	CCH2	Crank Case Heater (Compressor1)
COMM PBA	Printed circuit board(communication)	OIL-COMP1	Oil-Sensor (Compressor1)	MAIN COOLING	Solenoid valve(Main cooling)
COMP1	Motor (compressor1)	OIL-COMP2	Oil-Sensor (Compressor2)	HOTGAS2 V/V	Solenoid valve(Hot Gas Bypass2)
COMP2	Motor (compressor2)	OUT(10K)	Thermistor (Ambient Temp._10Kohm)	OD EEV V/V	Solenoid valve(Outdoor EEV)
FAN1	Motor (fan1)	COND(10K)	Thermistor (Cond Out Temp._10Kohm)	F101	FUSE(inverter PBA)
FAN2	Motor (fan2)	TOP1(200K)	Thermistor (Copressor Top1_200Kohm)	690V/T40A	FUSE(EMI PBA)
EVI V/V 1	Solenoid valve(EVI1)	TOP2(200K)	Thermistor (Copressor Top2_200Kohm)	MODE CHANGE	Connector (Remote switching cool/heat selector)
EVI V/V 2	Solenoid valve(EVI2)	DIS1(200K)	Thermistor (Discharge Temp.1_200Kohm)	EXT CON	Connector (Output EXT CON)
EVI EEV	Electronic expansion valve(EVI)	DIS2(200K)	Thermistor (Discharge Temp.2_200Kohm)	ERROR/COMP EXT	Connector (Output ERROR/COMP EXT CON)

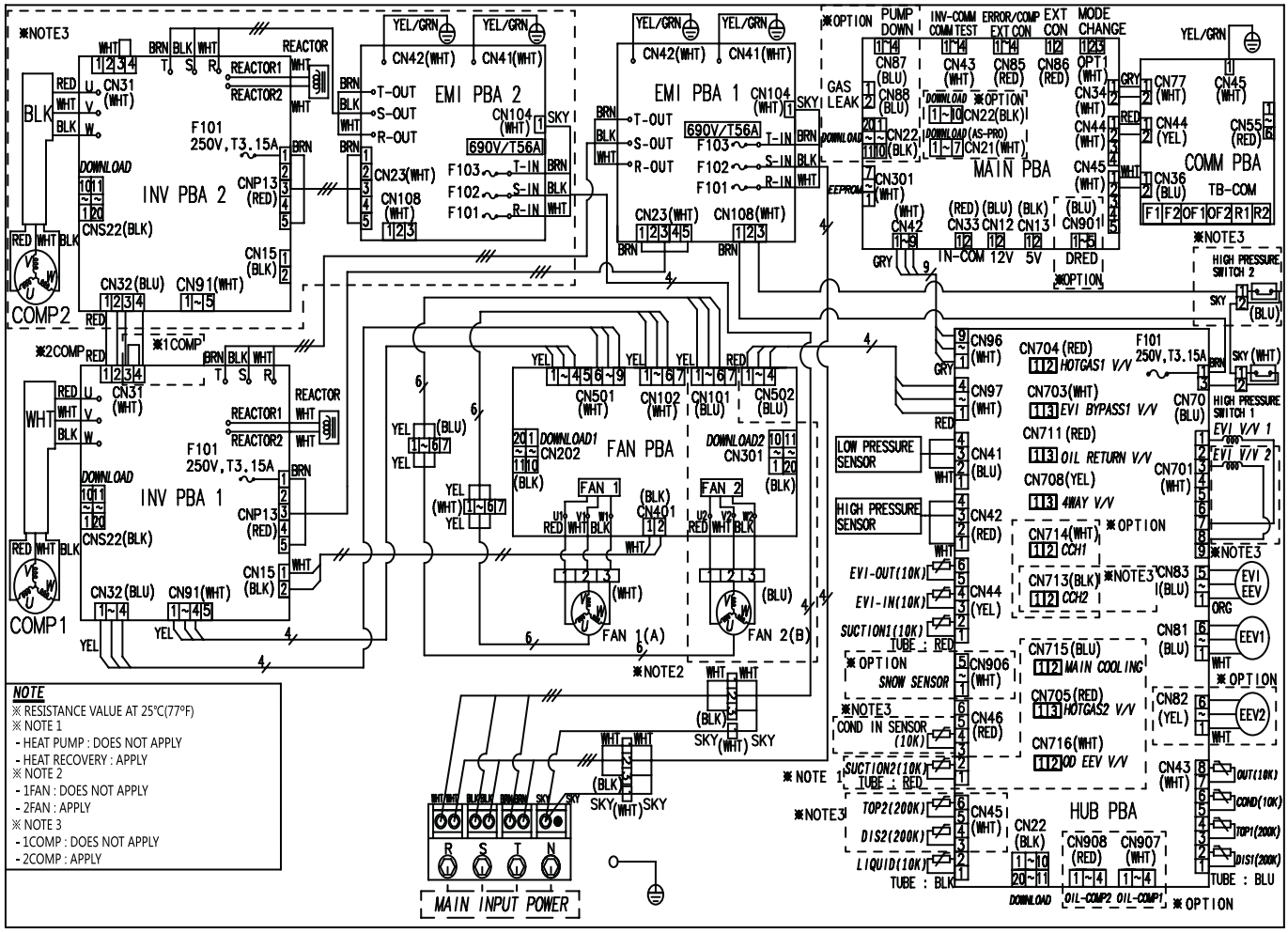
NOTES

1. This wiring diagram applies only to the outdoor unit.
2. Colors blk: black, red: red, blu: blue, wht: white, yel: yellow, brn: brown, sky: skyblue
3. When operaiting, don't shortcircuit the protection device (High Pressure switch)
4. For connection wiring indoor-outdoor transmission F1-F2, outdoor_outdoor transmission OF1-OF2,refer to the installation manual.
5. Protective earth(SCREW) : connector, : The wire quantity

6 Electrical wiring diagrams

Outdoor

AM160KXVGGH/EU, AM240KXVGGH/EU, AM260KXVGGH/EU, AM280KXVGGH/EU, AM300KXVAGH/EU, AM160KXVAGH/EU, AM180KXVAGH/EU, AM240KXVAGH/EU, AM260KXVAGH/EU, AM280KXVAGH/EU



INV PBA1	Printed circuit board(inverter1)	EEV1	Electronic expansion valve 1	LIQUID(10K)	Thermistor (Liquid Tube Temp._10Kohm)
INV PBA2	Printed circuit board(inverter2)	EEV2	Electronic expansion valve 2	HOTGAS1 V/V	Solenoid valve(Hot Gas Bypass1)
EMI PBA1	Printed circuit board(emi1)	EVI-OUT(10K)	Thermistor (EVI-out_10kohm)	EVI BYPASS V/V	Solenoid valve(EVI Bypass)
EMI PBA2	Printed circuit board(emi2)	EVI-IN(10K)	Thermistor (EVI-in_10Kohm)	RETURN V/V	Solenoid valve(Accumulator Oil Return)
FAN PBA	Printed circuit board(fan motor)	SUCTTION1(10K)	Thermistor (Suction Temp.1_10Kohm)	4WAY V/V	Solenoid valve(4Way Valve)
MAIN PBA	Printed circuit board(main)	SUCTTION2(10K)	Thermistor (Suction Temp.2_10Kohm)	CCH1	Crank Case Heater (Compressor1)
HUB PBA	Printed circuit board(hub)	SNOW SENSOR	SNOW SENSOR	CCH2	Crank Case Heater (Compressor1)
COMM PBA	Printed circuit board(communication)	OIL-COMP1	Oil-Sensor (Compressor1)	MAIN COOLING	Solenoid valve(Main cooling)
COMP1	Motor (compressor1)	OIL-COMP2	Oil-Sensor (Compressor2)	HOTGAS2 V/V	Solenoid valve(Hot Gas Bypass2)
COMP2	Motor (compressor2)	OUT(10K)	Thermistor (Ambient Temp._10Kohm)	OD EEV V/V	Solenoid valve(Outdoor EEV)
FAN1	Motor (fan1)	COND(10K)	Thermistor (Cond Out Temp._10Kohm)	F101	FUSE(inverter PBA)
FAN2	Motor (fan2)	TOP1(200K)	Thermistor (Copressor Top1_200Kohm)	690V/T56A	FUSE(EMI PBA)
EVI V/V 1	Solenoid valve(EVI1)	TOP2(200K)	Thermistor (Copressor Top2_200Kohm)	MODE CHANGE	Connector (Remote switching cool/heat selector)
EVI V/V 2	Solenoid valve(EVI2)	DIS1(200K)	Thermistor (Discharge Temp.1_200Kohm)	EXT CON	Connector (Output EXT CON)
EVI EEV	Electronic expansion valve(EVI)	DIS2(200K)	Thermistor (Discharge Temp.2_200Kohm)	ERROR/COMP EXT	Connector (Output ERROR/COMP EXT CON)

NOTES

1. This wiring diagram applies only to the outdoor unit.
2. Colors blk: black, red: red, blu: blue, wht: white, yel: yellow, brn: brown, sky: skyblue
3. When operaiting, don't shortcircuit the protection device (High Pressure switch)
4. For connection wiring indoor-outdoor transmission F1-F2, outdoor_outdoor transmission OF1-OF2,refer to the installation manual.
5. Protective earth(SCREW) : connector, N : The wire quantity

7 Sound Data : Summary

Premium Compact

Capacity		Model	Sound Pressure dB(A)		Sound Power
HP	kW		Cooling	Heating	dB(A)
8	22.40	AM080JXVHGH/EU	57	59	77
10	28.00	AM100JXVHGH/EU	58	60	79
12	33.60	AM120JXVHGH/EU	62	64	81
14	39.20	AM140KXVGGH/EU	61	63	81
16	44.80	AM160KXVGGH/EU	63	65	83
18	50.40	AM180KXVGGH/EU	65	67	89
20	56.00	AM200KXVGGH/EU	65	67	89
22	61.60	AM220KXVGGH/EU	65	67	89
24	67.20	AM240KXVGGH/EU	69	71	90
26	72.80	AM260KXVGGH/EU	69	71	90
28	78.40	AM280KXVGGH/EU	69	71	90
30	84.00	AM300KXVAGH/EU	69	71	90
32	89.60	AM320KXVGGH1EU	67	69	90
34	95.20	AM340KXVGGH1EU	67	69	90
36	100.80	AM360KXVGGH1EU	66	68	90
38	106.40	AM380KXVGGH1EU	67	69	90
40	112.00	AM400KXVGGH1EU	68	70	92
42	117.60	AM420KXVGGH1EU	68	70	92
44	123.20	AM440KXVGGH1EU	70	72	91
46	128.80	AM460KXVGGH1EU	70	72	91
48	134.40	AM480KXVGGH1EU	70	72	93
50	140.00	AM500KXVGGH1EU	70	72	93
52	145.60	AM520KXVGGH1EU	70	72	93
54	151.20	AM540KXVGGH1EU	72	74	93
56	156.80	AM560KXVGGH1EU	72	74	93
58	162.40	AM580KXVGGH1EU	72	74	93
60	168.00	AM600KXVGGH1EU	72	74	93
62	173.60	AM620KXVGGH1EU	71	73	93
64	179.20	AM640KXVGGH1EU	71	73	93
66	184.80	AM660KXVGGH1EU	71	73	93
68	190.40	AM680KXVGGH1EU	71	73	93
70	196.00	AM700KXVGGH1EU	72	74	94
72	201.60	AM720KXVGGH1EU	72	74	94
74	207.20	AM740KXVGGH1EU	72	74	94
76	212.80	AM760KXVGGH1EU	73	75	94
78	218.40	AM780KXVGGH1EU	73	75	94
80	224.00	AM800KXVGGH1EU	73	75	94
82	229.60	AM820KXVGGH1EU	73	75	94
84	235.20	AM840KXVGGH1EU	74	76	95
86	240.80	AM860KXVGGH1EU	74	76	95
88	246.40	AM880KXVGGH1EU	74	76	95
90	252.00	AM900KXVGGH1EU	74	76	95

Premium Energy Efficiency

Capacity		Model	Sound Pressure dB(A)		Sound Power
HP	kW		Cooling	Heating	dB(A)
8	22.40	AM080JXVHGH/EU	57	59	77
10	28.00	AM100JXVHGH/EU	58	60	79
12	33.60	AM120JXVHGH/EU	62	64	81
14	39.20	AM140KXVGGH/EU	61	63	81
16	44.80	AM160KXVGGH/EU	63	65	83
18	50.40	AM180KXVGGH/EU	65	67	89
20	56.00	AM200KXVGGH/EU	65	67	89
22	61.60	AM220KXVGGH2EU	63	65	83
24	67.20	AM240KXVGGH2EU	65	67	84
26	72.80	AM260KXVGGH2EU	66	68	89
28	78.40	AM280KXVGGH2EU	66	68	89
30	84.00	AM300KXVGGH2EU	67	69	90
32	89.60	AM320KXVGGH2EU	66	68	90
34	95.20	AM340KXVGGH2EU	66	68	90
36	100.80	AM360KXVGGH2EU	68	70	92
38	106.40	AM380KXVGGH2EU	68	70	92
40	112.00	AM400KXVGGH2EU	67	69	90
42	117.60	AM420KXVGGH2EU	67	69	90
44	123.20	AM440KXVGGH2EU	68	70	92
46	128.80	AM460KXVGGH2EU	68	70	92
48	134.40	AM480KXVGGH2EU	68	70	92
50	140.00	AM500KXVGGH2EU	69	71	92
52	145.60	AM520KXVGGH2EU	71	73	93
54	151.20	AM540KXVGGH2EU	71	73	93
56	156.80	AM560KXVGGH2EU	71	73	93
58	162.40	AM580KXVGGH2EU	72	74	93
60	168.00	AM600KXVGGH2EU	72	74	94
62	173.60	AM620KXVGGH2EU	70	72	94
64	179.20	AM640KXVGGH2EU	70	72	94
66	184.80	AM660KXVGGH2EU	70	72	94
68	190.40	AM680KXVGGH2EU	70	72	94
70	196.00	AM700KXVGGH2EU	72	74	94
72	201.60	AM720KXVGGH2EU	71	73	95
74	207.20	AM740KXVGGH2EU	71	73	95
76	212.80	AM760KXVGGH2EU	71	73	95
78	218.40	AM780KXVGGH2EU	71	73	95
80	224.00	AM800KXVGGH2EU	72	74	95
82	229.60	AM820KXVGGH2EU	72	74	95
84	235.20	AM840KXVGGH2EU	72	74	95
86	240.80	AM860KXVGGH2EU	72	74	95
88	246.40	AM880KXVGGH2EU	73	75	96
90	252.00	AM900KXVGGH2EU	73	75	96

Note

※ Sound Pressure

- Sound pressure is obtained in an anechoic room.
- Sound pressure level is a relative value, depending on the distance and acoustic environment.
- Sound pressure level may differ depending on operation condition.
- dBA = A-weighted sound pressure level
- Reference acoustic pressure 0 dB = 20μPa

※ Sound Power

- Sound power level is an absolute value that a sound source generates.
- dBA = A-weighted sound power level.
- Reference power : 1pW.
- Measured according to ISO 3741.

7 Sound Data : Summary

Standard

Capacity		Model	Sound Pressure dB(A)		Sound Power
HP	kW		Cooling	Heating	dB(A)
8	22.40	AM080JXVAGH/EU	57	59	77
10	28.00	AM100JXVAGH/EU	58	60	79
12	33.60	AM120JXVAGH/EU	62	64	81
14	39.20	AM140KXVAGH/EU	61	63	81
16	44.80	AM160KXVAGH/EU	63	65	83
18	50.40	AM180KXVAGH/EU	64	66	84
20	56.00	AM200KXVAGH/EU	65	67	87
22	61.60	AM220KXVAGH/EU	65	67	89
24	67.20	AM240KXVAGH/EU	66	68	89
26	72.80	AM260KXVAGH/EU	66	68	89
28	78.40	AM280KXVAGH/EU	69	71	90
30	84.00	AM300KXVAGH/EU	69	71	90
32	89.60	AM320KXVAGH/EU	66	68	89
34	95.20	AM340KXVAGH/EU	67	69	90
36	100.80	AM360KXVAGH/EU	66	68	90
38	106.40	AM380KXVAGH/EU	67	69	90
40	112.00	AM400KXVAGH/EU	68	70	90
42	117.60	AM420KXVAGH/EU	68	70	91
44	123.20	AM440KXVAGH/EU	68	70	92
46	128.80	AM460KXVAGH/EU	70	72	91
48	134.40	AM480KXVAGH/EU	70	72	91
50	140.00	AM500KXVAGH/EU	70	72	92
52	145.60	AM520KXVAGH/EU	70	72	93
54	151.20	AM540KXVAGH/EU	71	73	93
56	156.80	AM560KXVAGH/EU	71	73	93
58	162.40	AM580KXVAGH/EU	72	74	93
60	168.00	AM600KXVAGH/EU	72	74	93
62	173.60	AM620KXVAGH/EU	71	73	93
64	179.20	AM640KXVAGH/EU	71	73	93
66	184.80	AM660KXVAGH/EU	71	73	93
68	190.40	AM680KXVAGH/EU	71	73	93
70	196.00	AM700KXVAGH/EU	71	73	93
72	201.60	AM720KXVAGH/EU	72	74	94
74	207.20	AM740KXVAGH/EU	72	74	94
76	212.80	AM760KXVAGH/EU	72	74	94
78	218.40	AM780KXVAGH/EU	72	74	94
80	224.00	AM800KXVAGH/EU	73	75	94
82	229.60	AM820KXVAGH/EU	73	75	94
84	235.20	AM840KXVAGH/EU	73	75	94
86	240.80	AM860KXVAGH/EU	73	75	94
88	246.40	AM880KXVAGH/EU	74	76	95
90	252.00	AM900KXVAGH/EU	74	76	95

Note

※ Sound Pressure

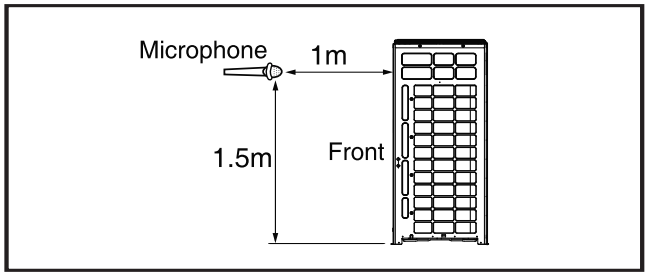
- Sound pressure is obtained in an anechoic room.
- Sound pressure level is a relative value, depending on the distance and acoustic environment.
- Sound pressure level may differ depending on operation condition.
- dBA = A-weighted sound pressure level
- Reference acoustic pressure 0 dB = 20μPa

※ Sound Power

- Sound power level is an absolute value that a sound source generates.
- dBA = A-weighted sound power level.
- Reference power : 1pW.
- Measured according to ISO 3741.

7 Sound Data

Sound Pressure level

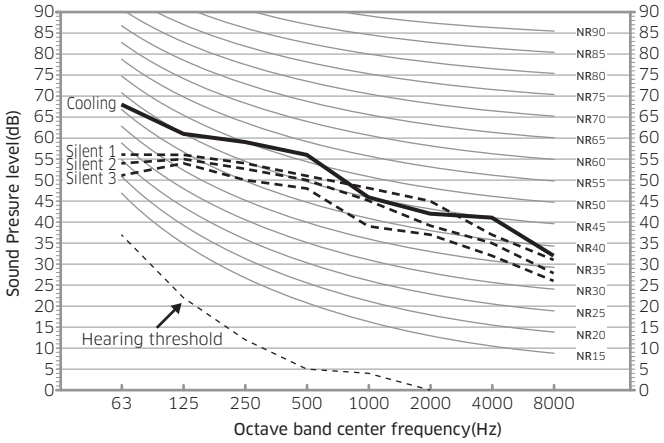


Unit: dB(A)

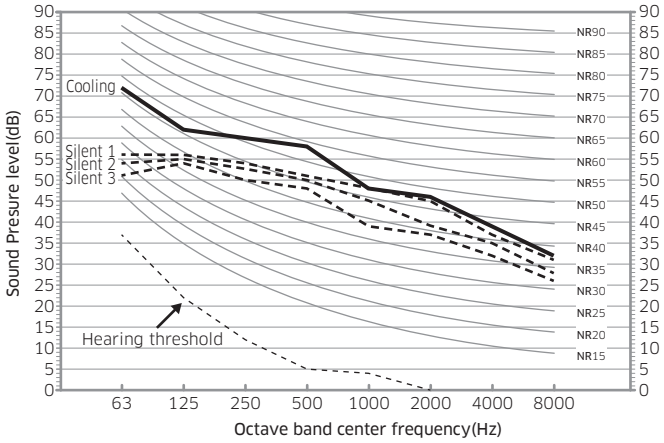
Model	Cooling	Silent 1	Silent 2	Silent 3
AM080JXVHGH/EU	57	55	52	49
AM100JXVHGH/EU	58	55	52	49
AM120JXVHGH/EU	62	55	52	49
AM140KXVGGH/EU	61	57	55	49

NR curve

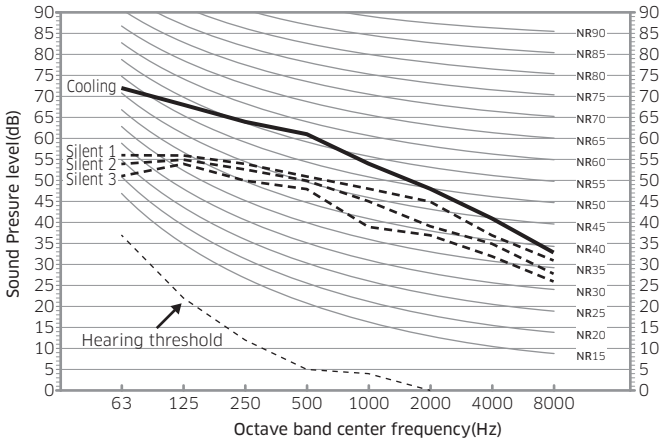
1) AM080JXVHGH/EU



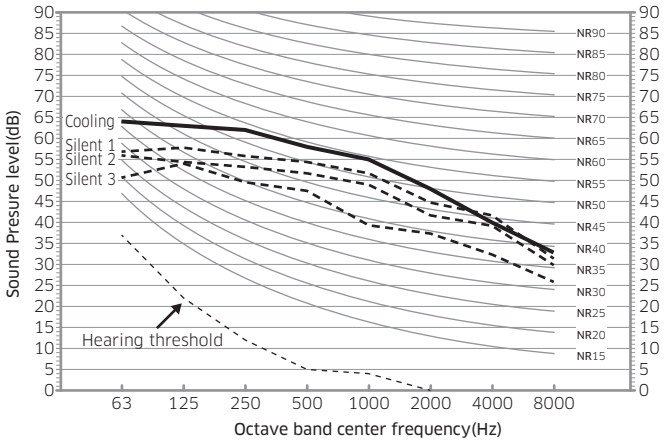
2) AM100JXVHGH/EU



3) AM120JXVHGH/EU



4) AM140KXVGGH/EU



Note

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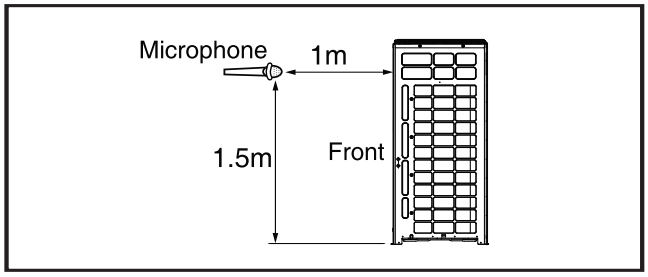
- Sound pressure is obtained in an anechoic room.
- Sound pressure level is a relative value, depending on the distance and acoustic environment.
- Sound pressure level may differ depending on operation condition.
- dBA = A-weighted sound pressure level
- Reference acoustic pressure 0 dB = 20μPa

7 Sound Data

Sound Pressure level

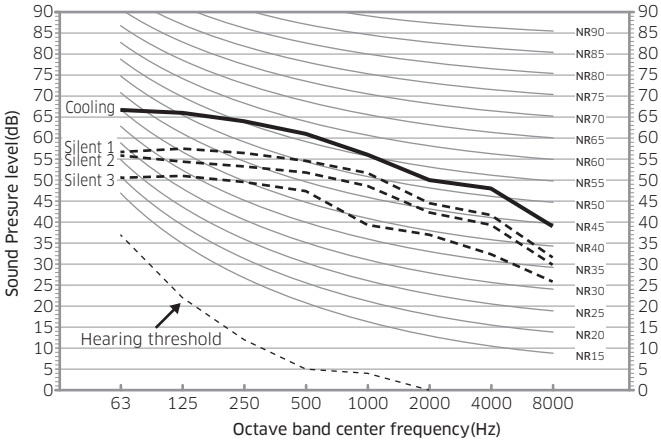


Unit: dB(A)

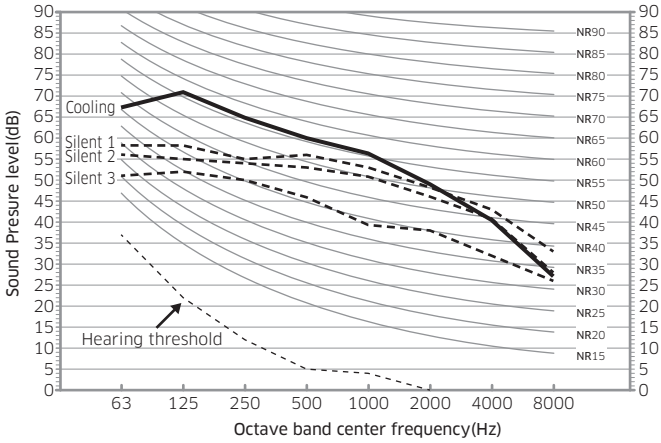
Model	Cooling	Silent 1	Silent 2	Silent 3
AM160KXVGGH/EU	63	57	55	49
AM180KXVGGH/EU	65	59	56	49
AM200KXVGGH/EU	65	59	56	49
AM220KXVGGH/EU	65	59	56	49

NR curve

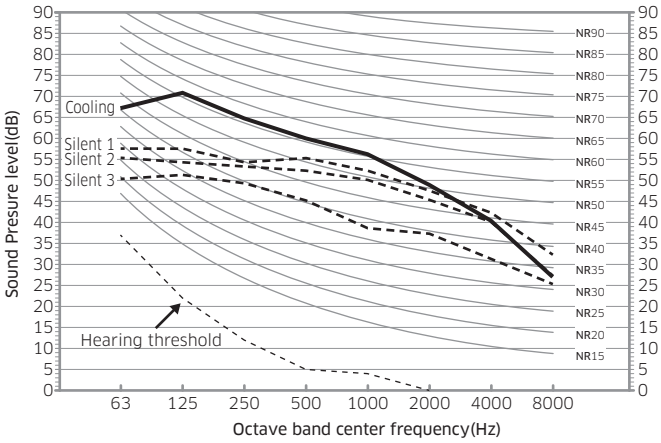
1) AM160KXVGGH/EU



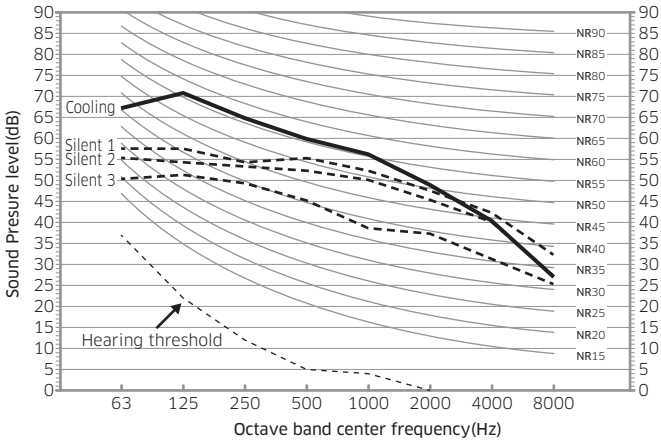
2) AM180KXVGGH/EU



3) AM200KXVGGH/EU



4) AM220KXVGGH/EU



Note

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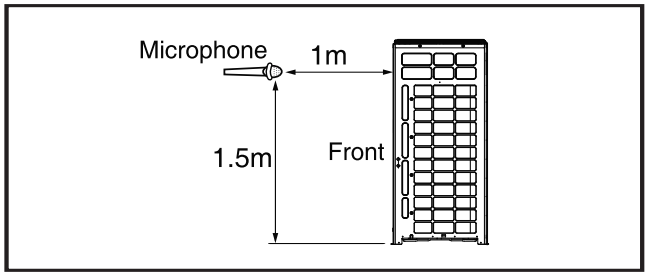
- Sound pressure is obtained in an anechoic room.
- Sound pressure level is a relative value, depending on the distance and acoustic environment.
- Sound pressure level may differ depending on operation condition.
- dBA = A-weighted sound pressure level
- Reference acoustic pressure 0 dB = 20μPa

7 Sound Data

Sound Pressure level

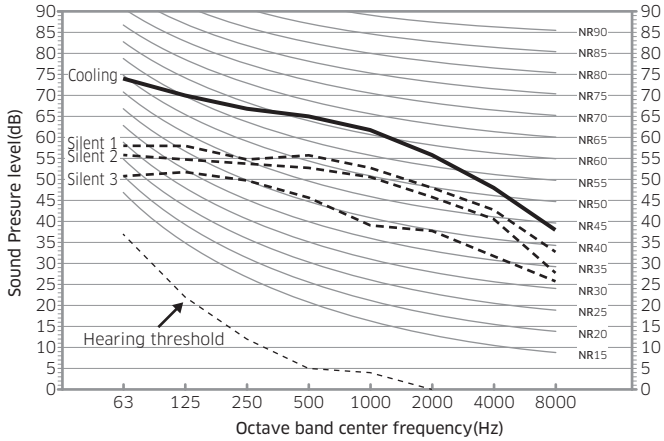


Unit: dB(A)

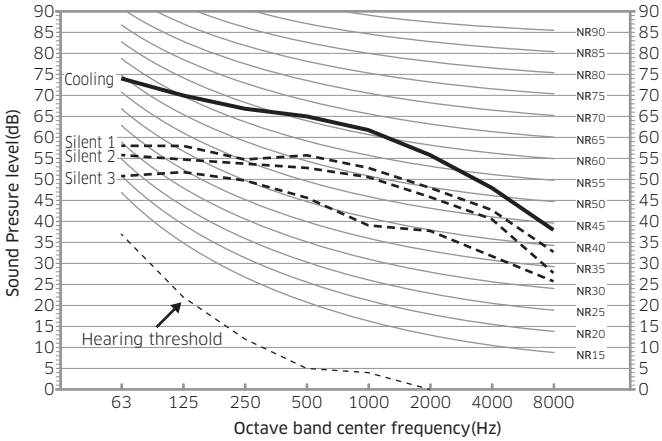
Model	Cooling	Silent 1	Silent 2	Silent 3
AM240KXVGGH/EU	69	59	56	49
AM260KXVGGH/EU	69	59	56	49
AM280KXVGGH/EU	69	64	56	49
AM300KXVAGH/EU	69	64	56	49

NR curve

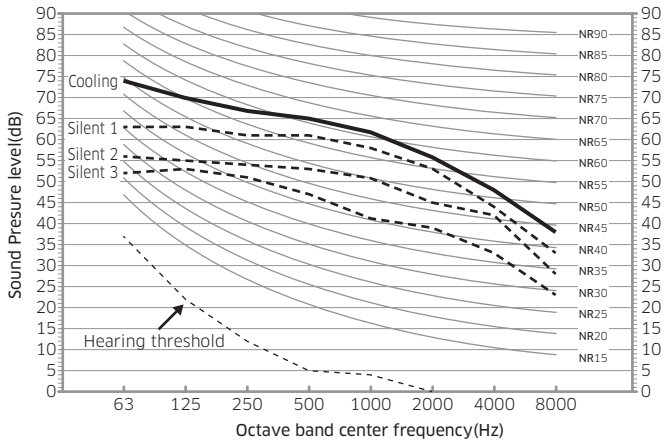
1) AM240KXVGGH/EU



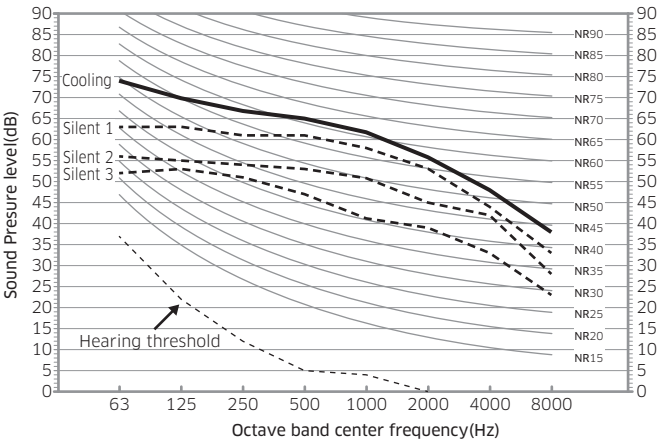
2) AM260KXVGGH/EU



3) AM280KXVGGH/EU



4) AM300KXVAGH/EU



Note

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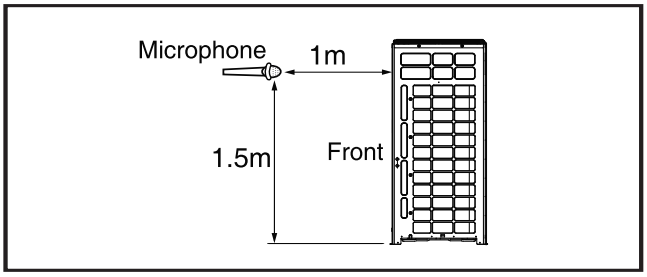
- Sound pressure level is a relative value, depending on the distance and acoustic environment.
- Sound pressure level may differ depending on operation condition.
- dBA = A-weighted sound pressure level
- Reference acoustic pressure 0 dB = 20μPa

7 Sound Data

Sound Pressure level

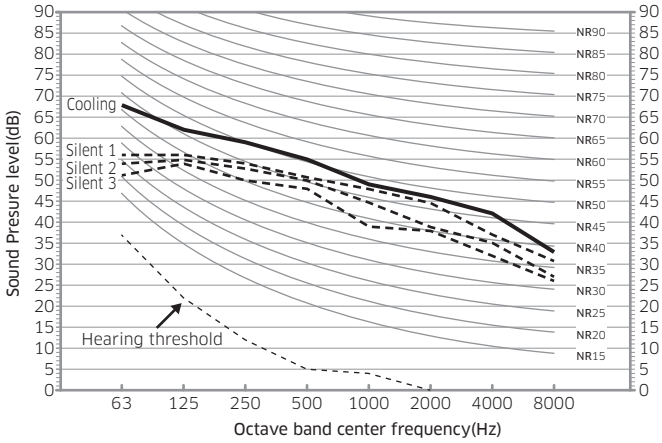


Unit: dB(A)

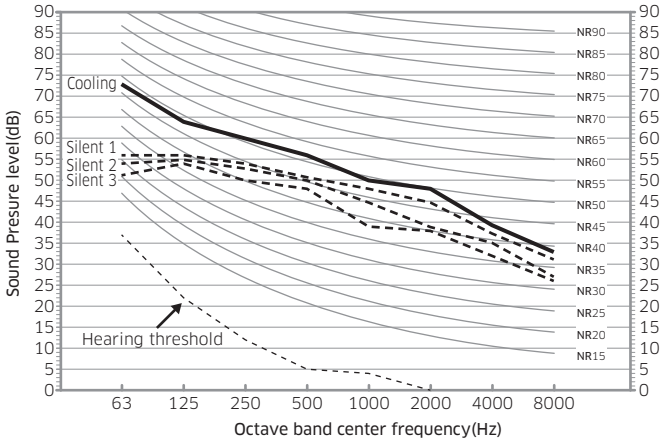
Model	Cooling	Silent 1	Silent 2	Silent 3
AM080JXVAGH/EU	57	55	52	49
AM100JXVAGH/EU	58	55	52	49
AM120JXVAGH/EU	62	55	52	49
AM140KXVAGH/EU	61	57	55	49

NR curve

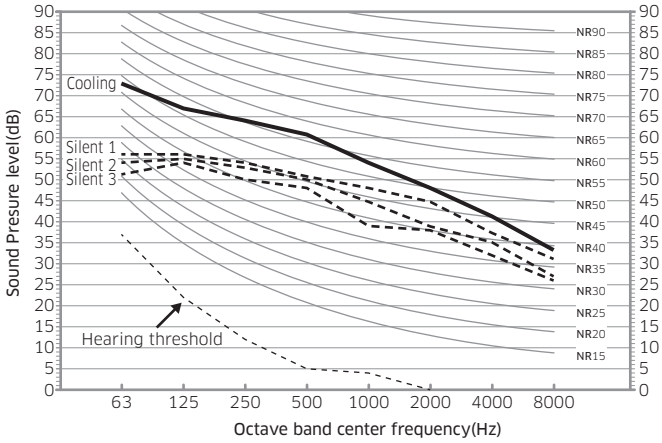
1) AM080JXVAGH/EU



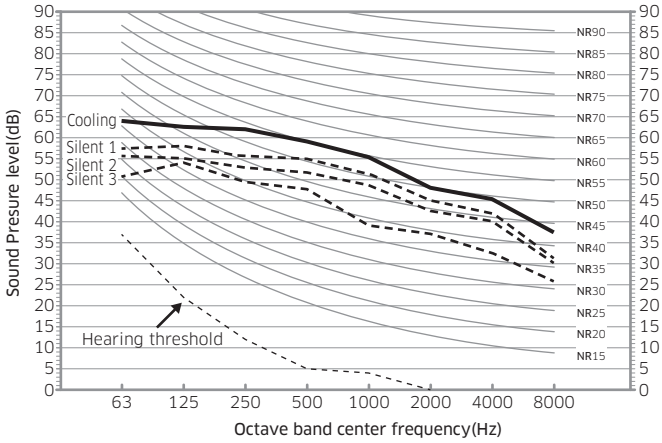
2) AM100JXVAGH/EU



3) AM120JXVAGH/EU



4) AM140KXVAGH/EU



Note

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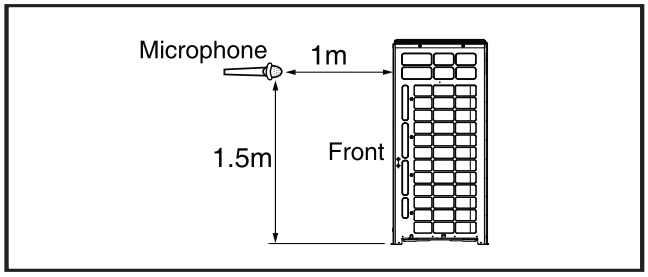
- Sound pressure level may differ depending on operation condition.
- dBA = A-weighted sound pressure level
- Reference acoustic pressure 0 dB = 20μPa

7 Sound Data

Sound Pressure level

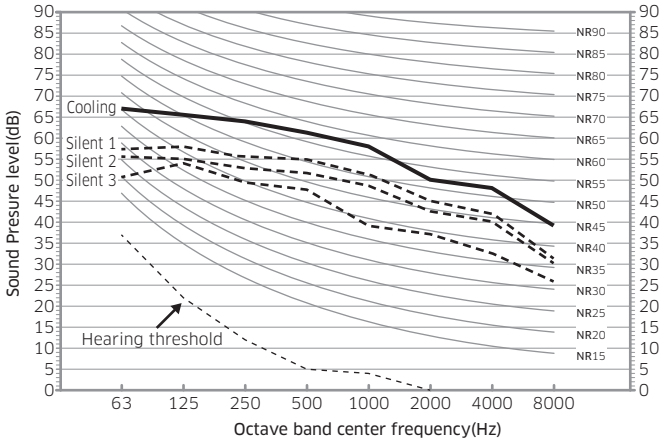


Unit: dB(A)

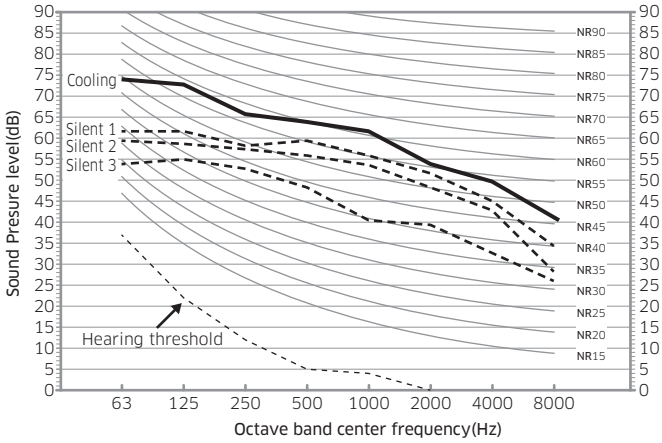
Model	Cooling	Silent 1	Silent 2	Silent 3
AM160KXVAGH/EU	63	57	55	49
AM180KXVAGH/EU	64	59	56	49
AM200KXVAGH/EU	65	59	56	49
AM220KXVAGH/EU	65	59	56	49

NR curve

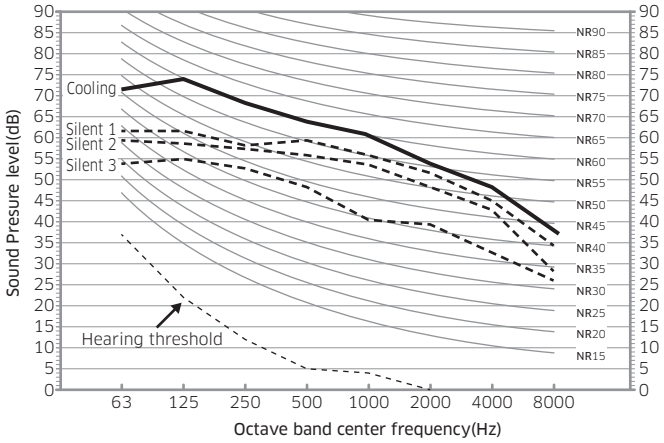
1) AM160KXVAGH/EU



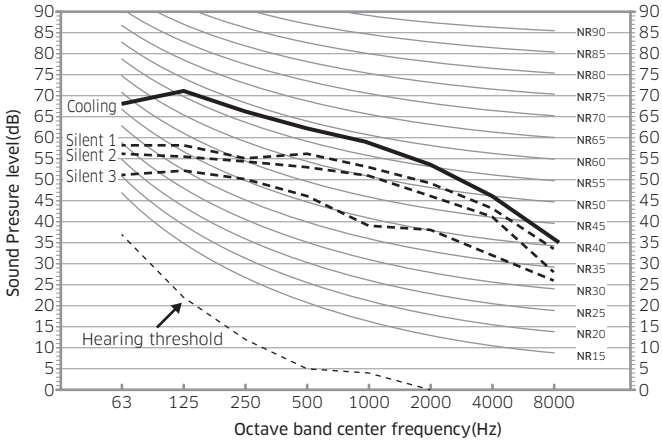
2) AM180KXVAGH/EU



3) AM200KXVAGH/EU



4) AM220KXVAGH/EU



Note

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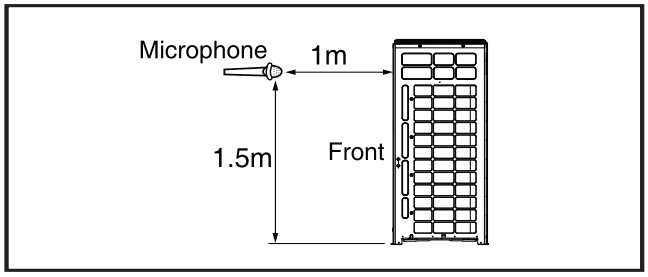
- Sound pressure level is a relative value, depending on the distance and acoustic environment.
- Sound pressure level may differ depending on operation condition.
- dBA = A-weighted sound pressure level
- Reference acoustic pressure 0 dB = 20μPa

7 Sound Data

Sound Pressure level

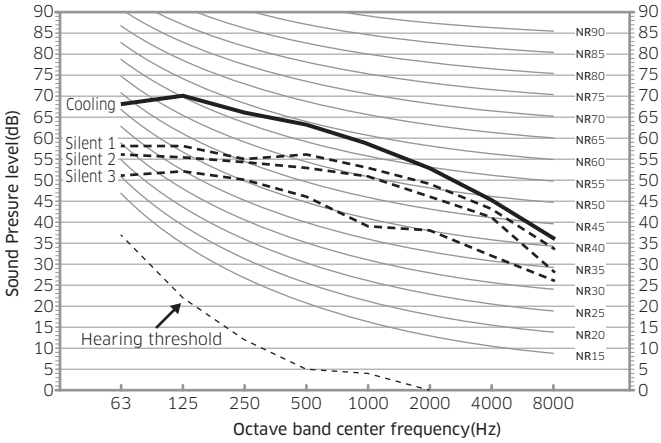


Unit: dB(A)

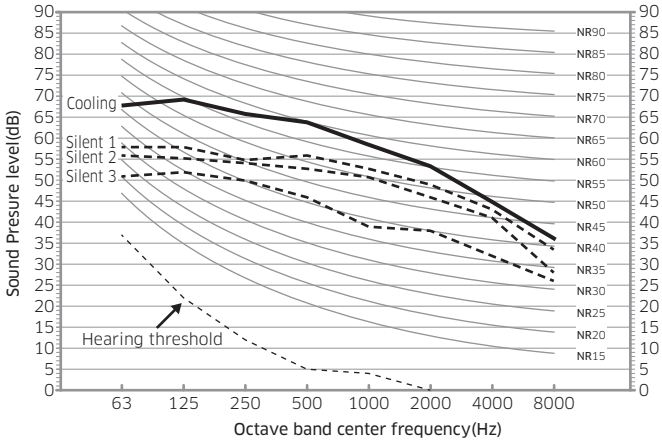
Model	Cooling	Silent 1	Silent 2	Silent 3
AM240KXVAGH/EU	66	59	56	49
AM260KXVAGH/EU	66	59	56	49
AM280KXVAGH/EU	69	64	56	49
AM300KXVAGH/EU	69	64	56	49

NR curve

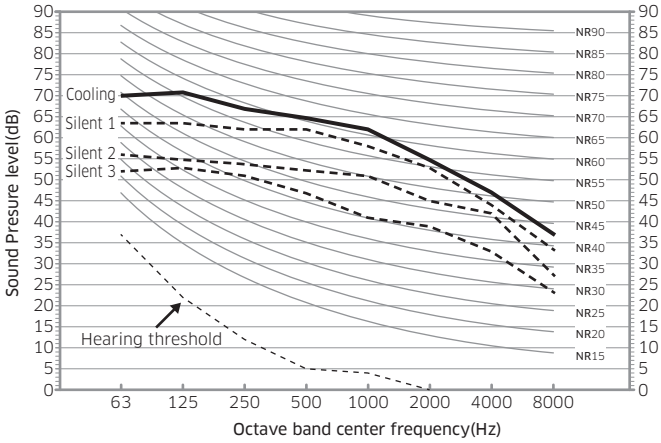
1) AM240KXVAGH/EU



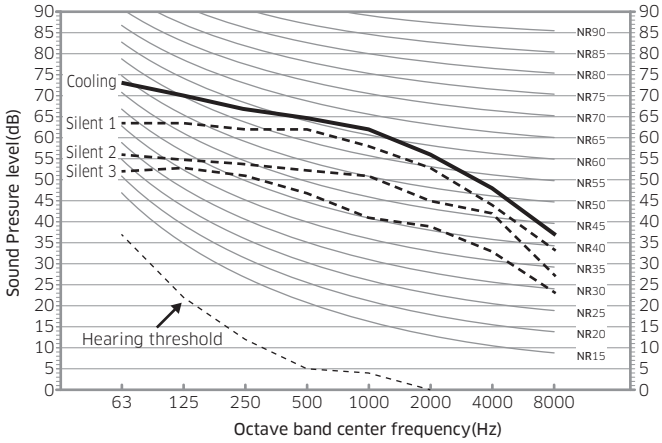
2) AM260KXVAGH/EU



3) AM280KXVAGH/EU



4) AM300KXVAGH/EU



Note

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- Sound pressure is obtained in an anechoic room.
- Sound pressure level is a relative value, depending on the distance and acoustic environment.
- Sound pressure level may differ depending on operation condition.
- dBA = A-weighted sound pressure level
- Reference acoustic pressure 0 dB = 20μPa

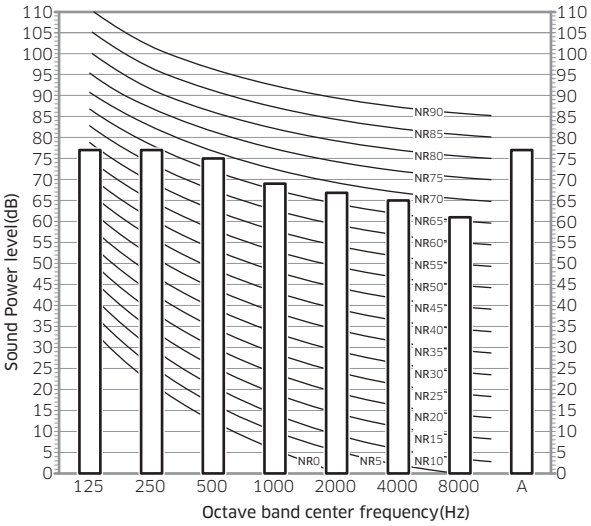
7 Sound Data

Sound Power level

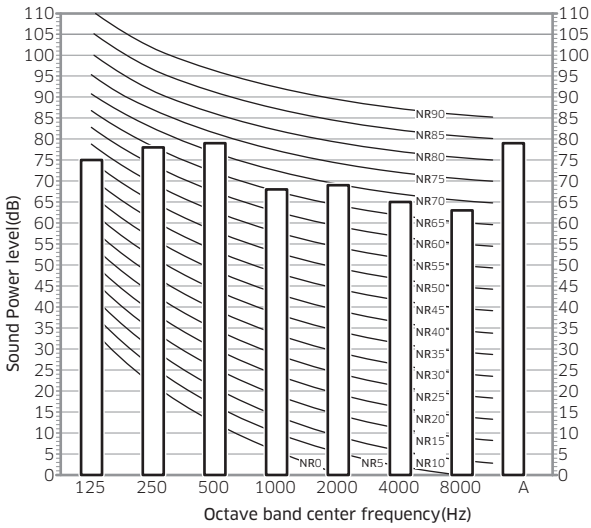
Unit: dB(A)

Model	Power
AM080JXVHGH/EU	77
AM100JXVHGH/EU	79
AM120JXVHGH/EU	81
AM140KXVGGH/EU	81

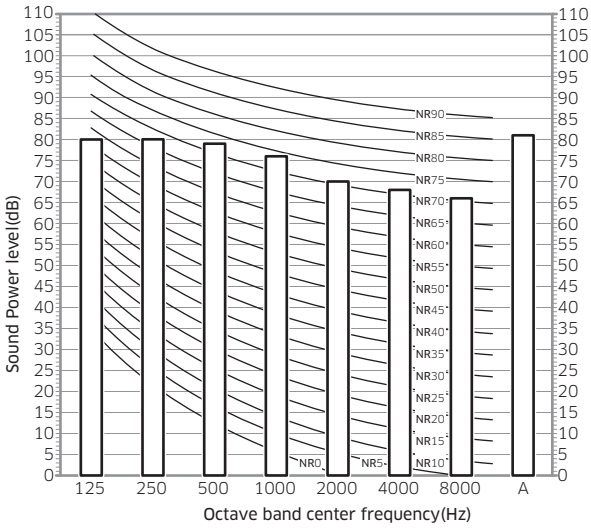
1)AM080JXVHGH/EU



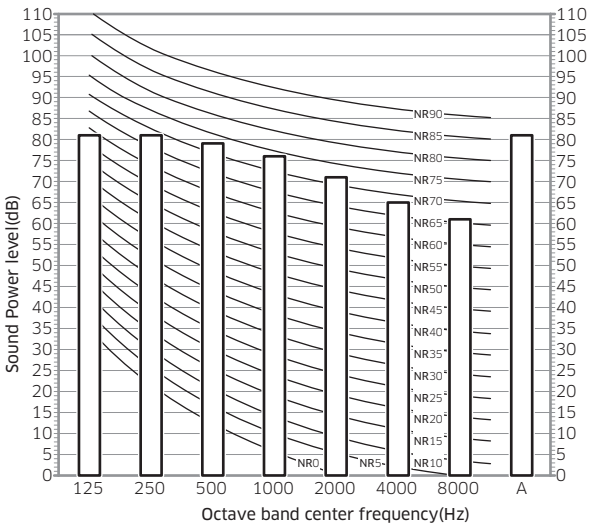
2)AM100JXVHGH/EU



3)AM120JXVHGH/EU



4)AM140KXVGGH/EU



Note

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- Sound power level is an absolute value that a sound source generates.
- dBA = A-weighted sound power level.
- Reference power : 1pW.
- Measured according to ISO 3741.

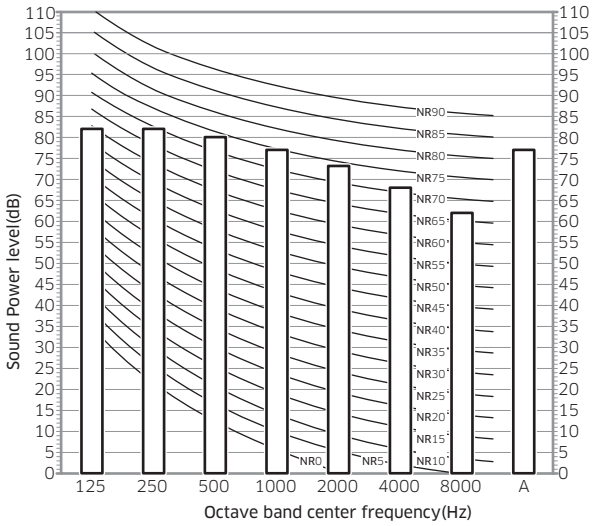
7 Sound Data

Sound Power level

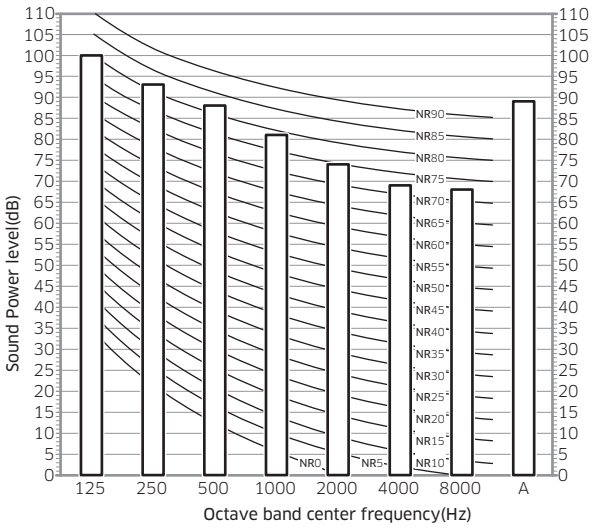
Unit: dB(A)

Model	Power
AM160KXVGGH/EU	83
AM180KXVGGH/EU	89
AM200KXVGGH/EU	89
AM220KXVGGH/EU	89

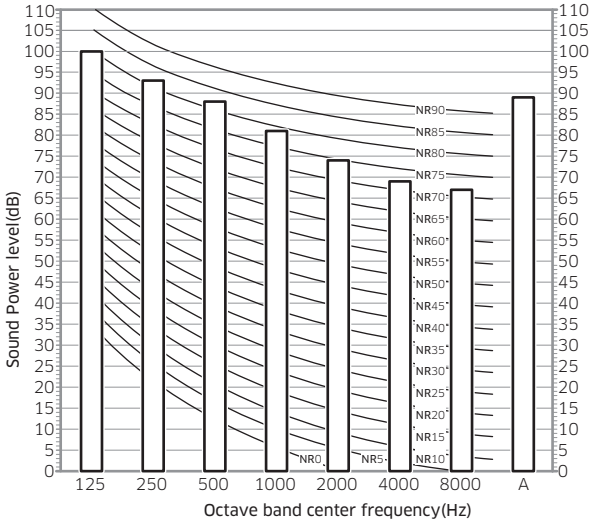
1)AM160KXVGGH/EU



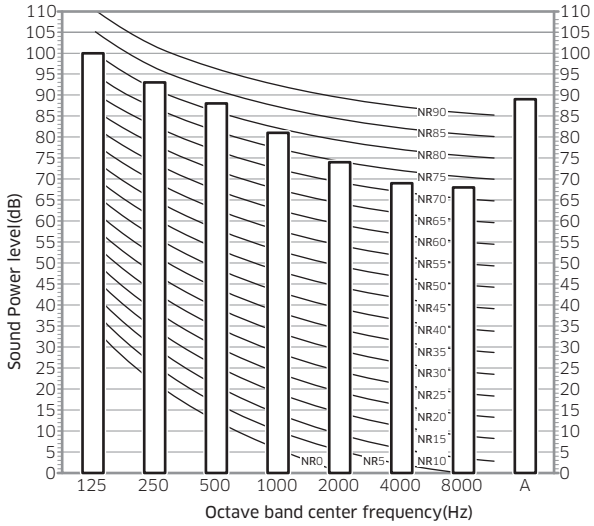
2)AM180KXVGGH/EU



3)AM200KXVGGH/EU



4)AM220KXVGGH/EU



Note

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- Sound power level is an absolute value that a sound source generates.
- dBA = A-weighted sound power level.
- Reference power : 1pW.
- Measured according to ISO 3741.

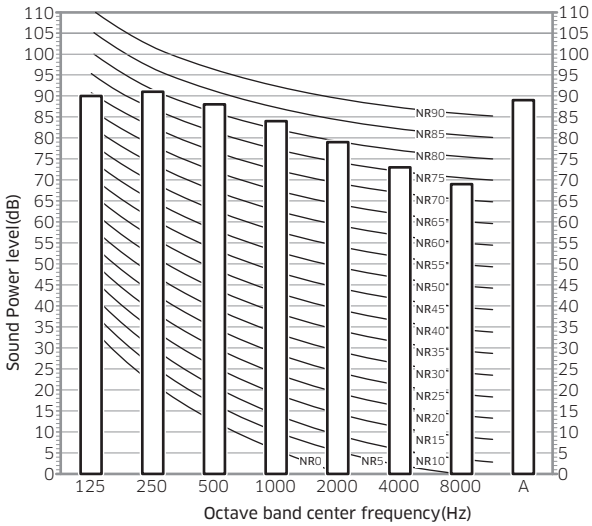
7 Sound Data

Sound Power level

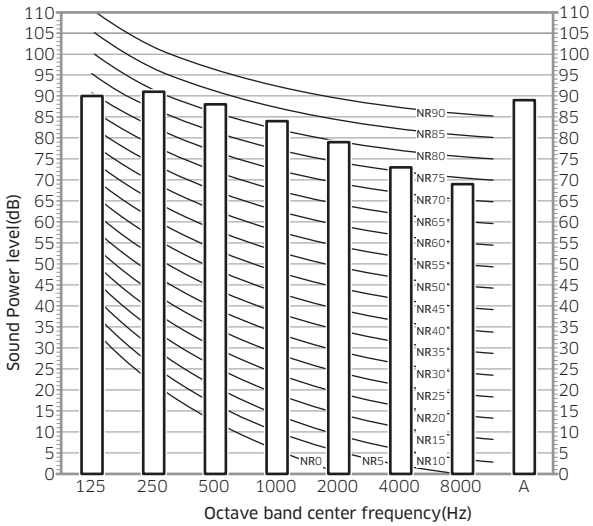
Unit: dB(A)

Model	Power
AM240KXVGGH/EU	90
AM260KXVGGH/EU	90
AM280KXVGGH/EU	90
AM300KXVAGH/EU	90

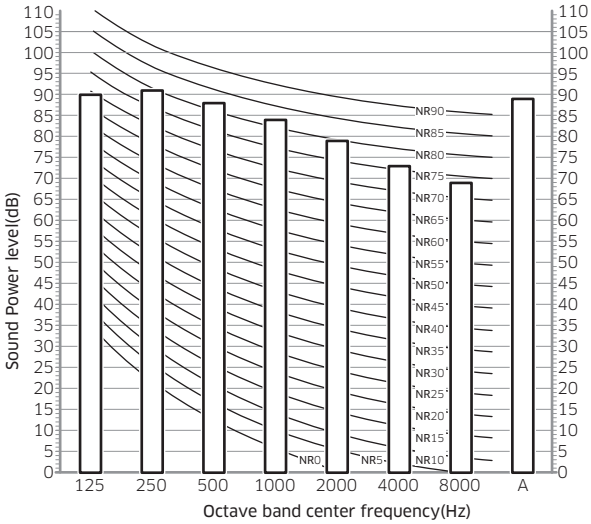
1)AM240KXVGGH/EU



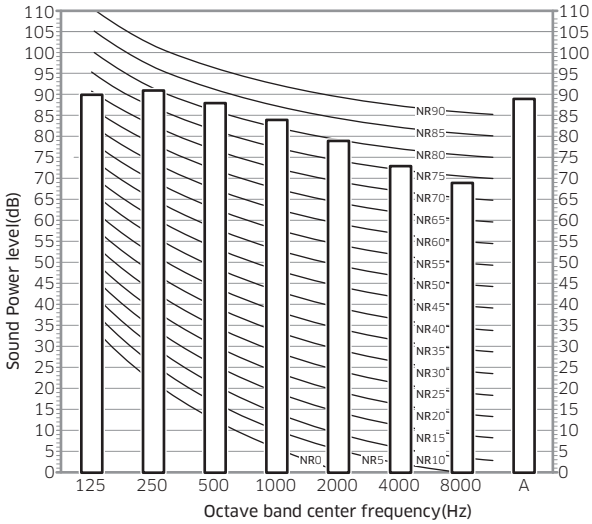
2)AM260KXVGGH/EU



3)AM280KXVGGH/EU



4)AM300KXVAGH/EU



Note

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- Sound power level is an absolute value that a sound source generates.
- dBA = A-weighted sound power level.
- Reference power : 1pW.
- Measured according to ISO 3741.

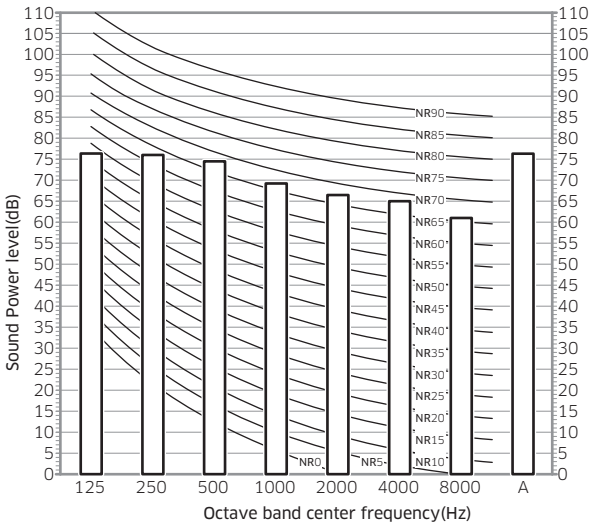
7 Sound Data

Sound Power level

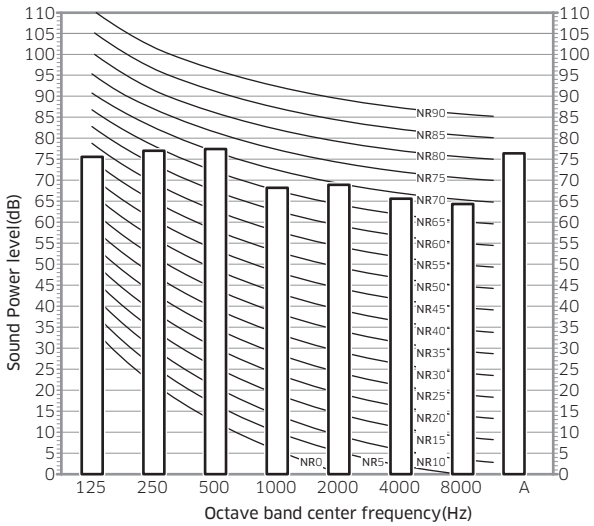
Unit: dB(A)

Model	Power
AM080JXVAGH/EU	77
AM100JXVAGH/EU	79
AM120JXVAGH/EU	81
AM140KXVAGH/EU	81

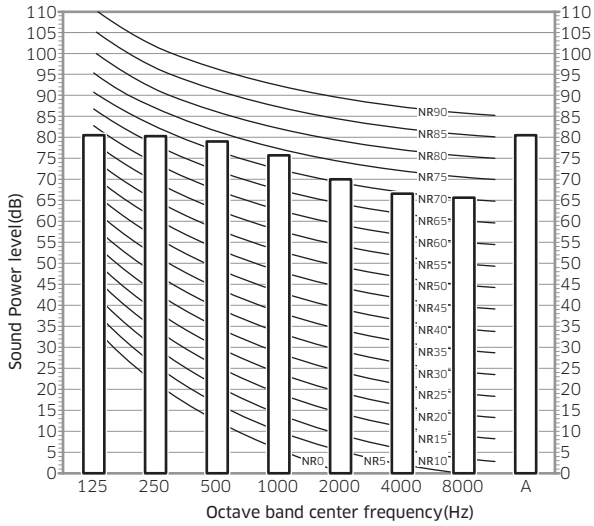
1)AM080JXVAGH/EU



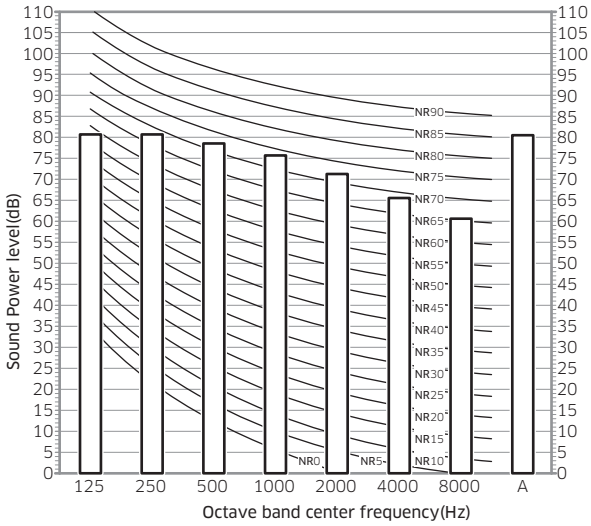
2)AM100JXVAGH/EU



3)AM120JXVAGH/EU



4)AM140KXVAGH/EU



Note

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- Sound power level is an absolute value that a sound source generates.
- dBA = A-weighted sound power level.
- Reference power : 1pW.
- Measured according to ISO 3741.

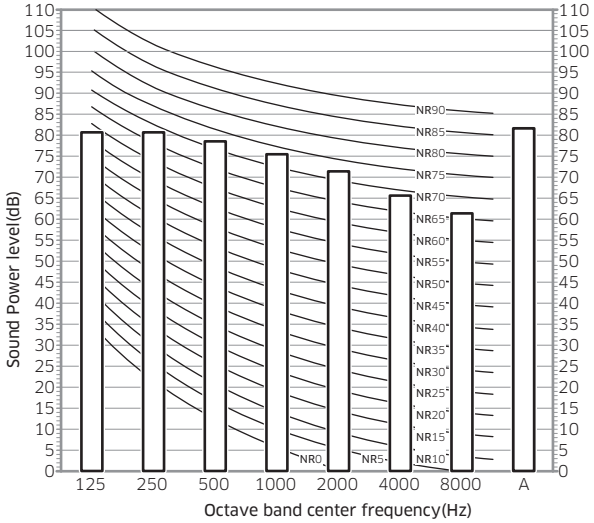
7 Sound Data

Sound Power level

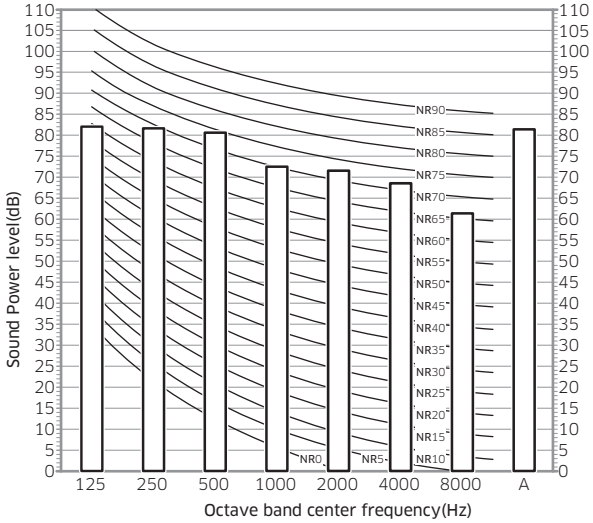
Unit: dB(A)

Model	Power
AM160KXVAGH/EU	83
AM180KXVAGH/EU	84
AM200KXVAGH/EU	87
AM220KXVAGH/EU	89

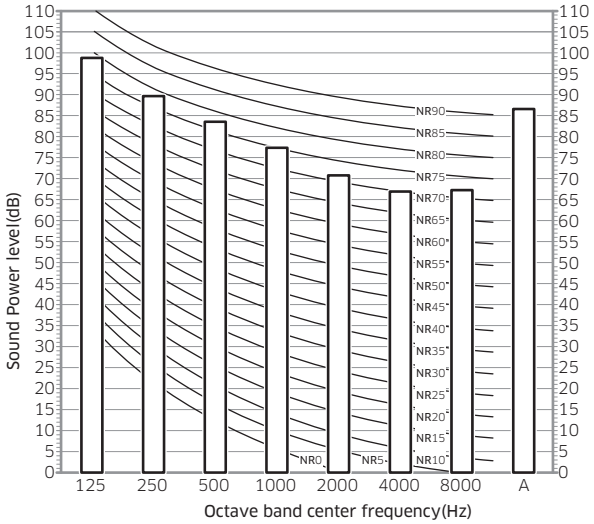
1)AM160KXVAGH/EU



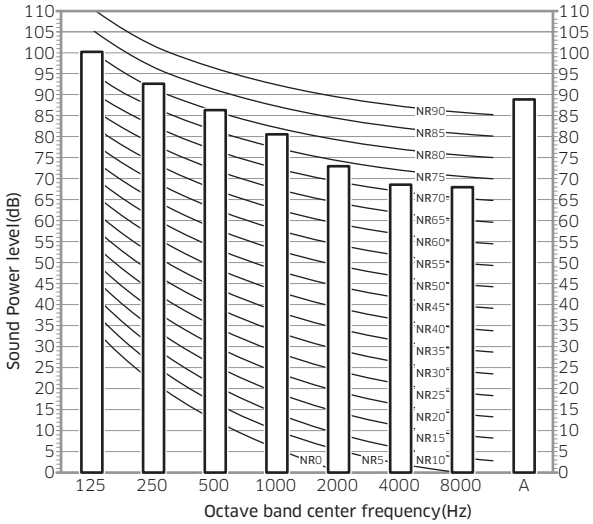
2)AM180KXVAGH/EU



3)AM200KXVAGH/EU



4)AM220KXVAGH/EU



Note

※ Specifications may be subject to change without prior notice.

- Sound power level is an absolute value that a sound source generates.
- dBA = A-weighted sound power level.
- Reference power : 1pW.
- Measured according to ISO 3741.

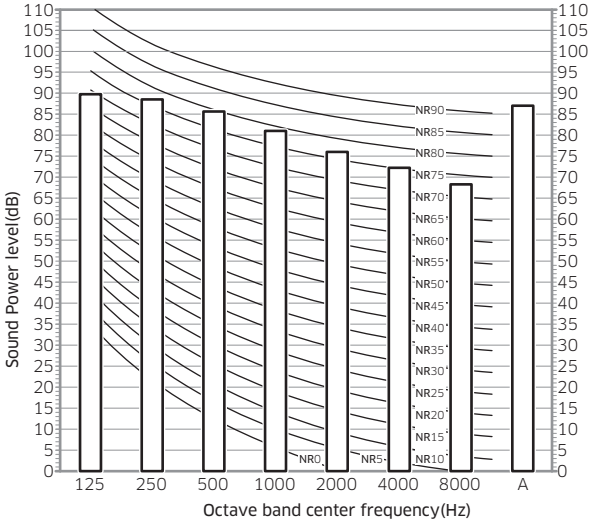
7 Sound Data

Sound Power level

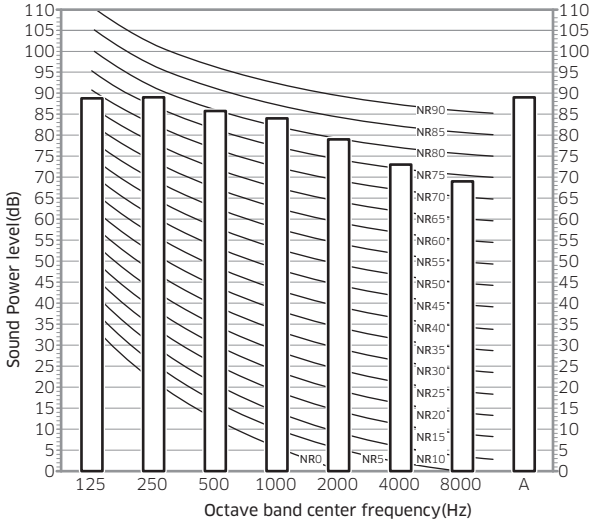
Unit: dB(A)

Model	Power
AM240KXVAGH/EU	89
AM260KXVAGH/EU	89
AM280KXVAGH/EU	90
AM300KXVAGH/EU	90

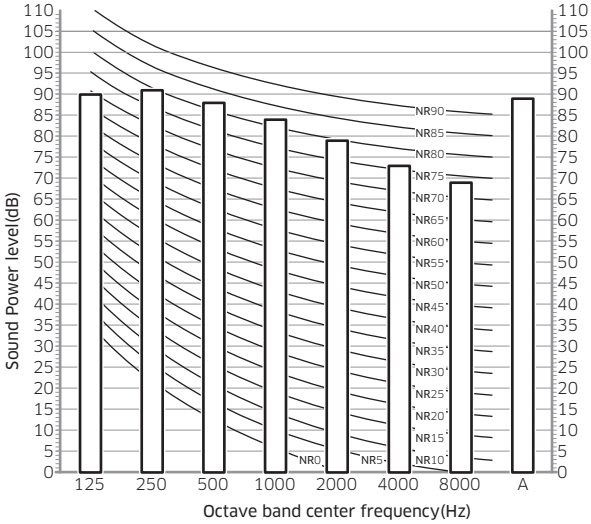
1)AM240KXVAGH/EU



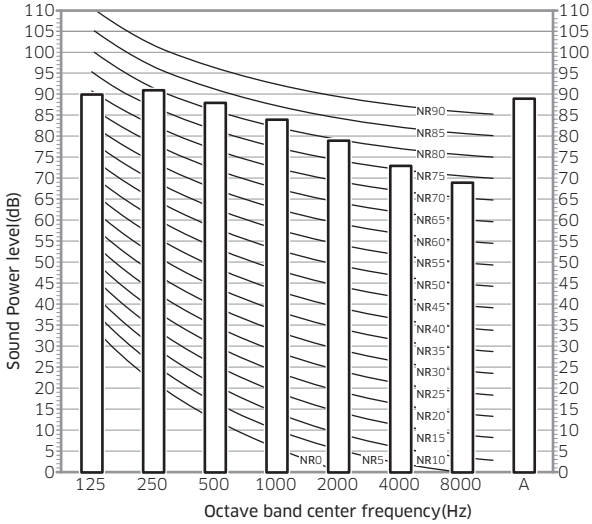
2)AM260KXVAGH/EU



3)AM280KXVAGH/EU



4)AM300KXVAGH/EU



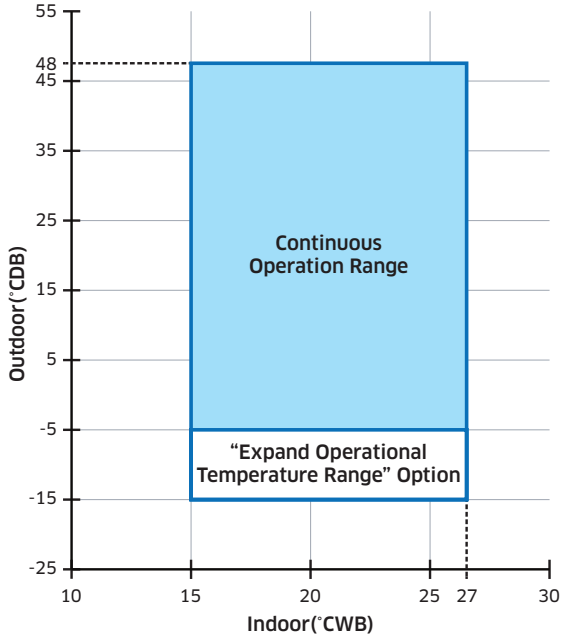
Note

※ Specifications may be subject to change without prior notice.

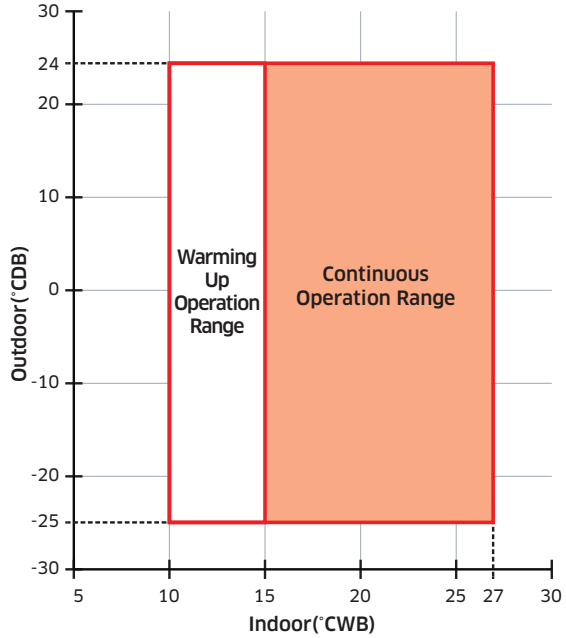
- Sound power level is an absolute value that a sound source generates.
- dBA = A-weighted sound power level.
- Reference power : 1pW.
- Measured according to ISO 3741.

8 Operation range

Cooling



Heating

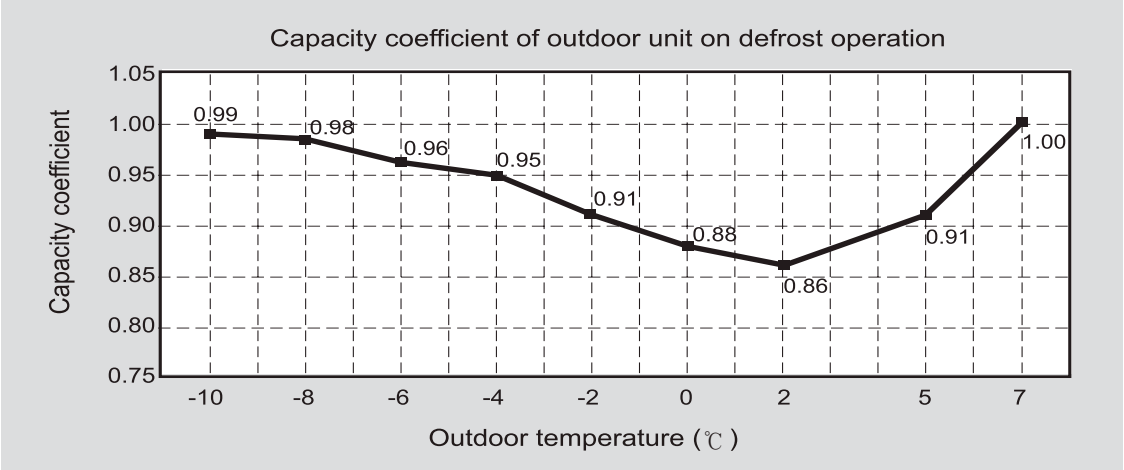


1. The operating range is shown in these figures
2. The assumed installation conditions are as follows
   - Outdoor units and indoor units combination
   - The Pipe length(including elbow) is 5m
   - The Level difference is 0m
3. In the low temperature expansion option application, the cooling operating is possible under expand operational range only for HR system
4. In case of heatlng mode, operating is possible under warming up operation range. However continuous operating is impossible due to a protection control

Defrosting correction factor

* The heating capacity tables do not take account of the reduction in capacity, when frost has accumulated or while the defrosting operation is in progress.
The capacity values, which take these factors into account, in other words, the integrated heating capacity values, can be calculated as follows :
Formula : A = B × C
Integrated heating capacity = A
Value given in table of capacity characteristics = B
Integrating correction factor for frost accumulation (kW) = C

Outdoor temperature (ºC, DB) / WB	-10 / -10.4	-8 / -8.5	-6 / -6.5	-4 / -4.6	-2 / -2.7	0 / -0.7	2 / 1.2	5 / 4.1	7 / 6
Capacity coefficient	0.99	0.98	0.96	0.95	0.91	0.88	0.86	0.91	1.00

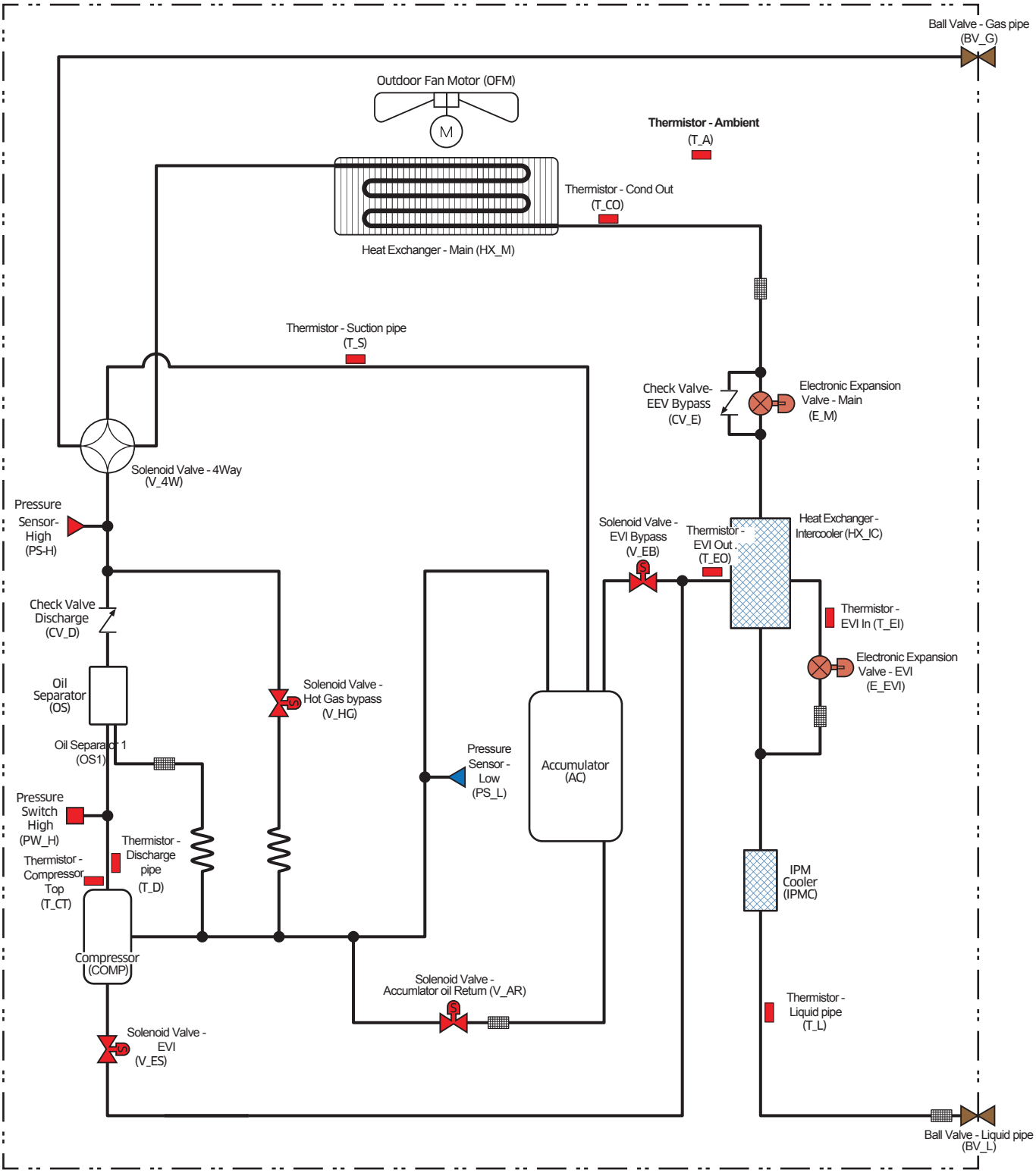


On heating operation, frost can be formed on heat exchanger according to outdoor temperature.
(Frost on heat exchanger results in decreasing the performance.)
To remove frost on heat exchanger of outdoor unit, defrost operation is carried out periodically.
During defrost operation, capacity of outdoor unit may decrease.
The decrement is not considered to the individual capacity tables.
This figure shows an effect of intelligence defrost operation.
It is actually the frost occurrence section from 0 ℃ or less.
Since the outdoor temperature over 0 ℃, the heating performance is the same before and after applying intelligence defrost operation.
In outdoor conditions below 0 ℃, frost conditions reflect the actual entering the defrost opration because heating performance is improved.

9 Piping diagram

Outdoor

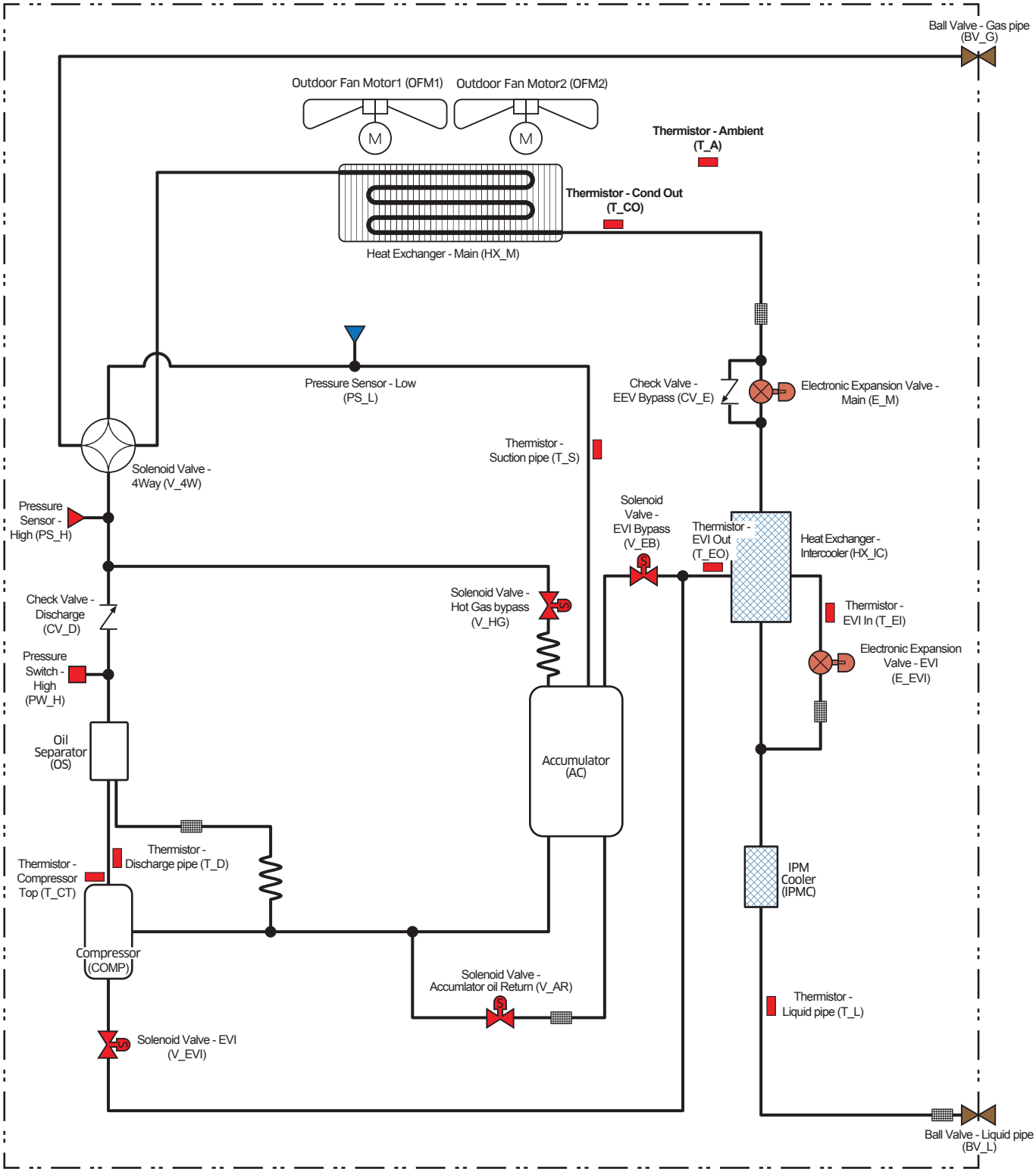
AM080/100/120JXVHGH/EU, AM080/100/120JXVAGH/EU



9 Piping diagram

Outdoor

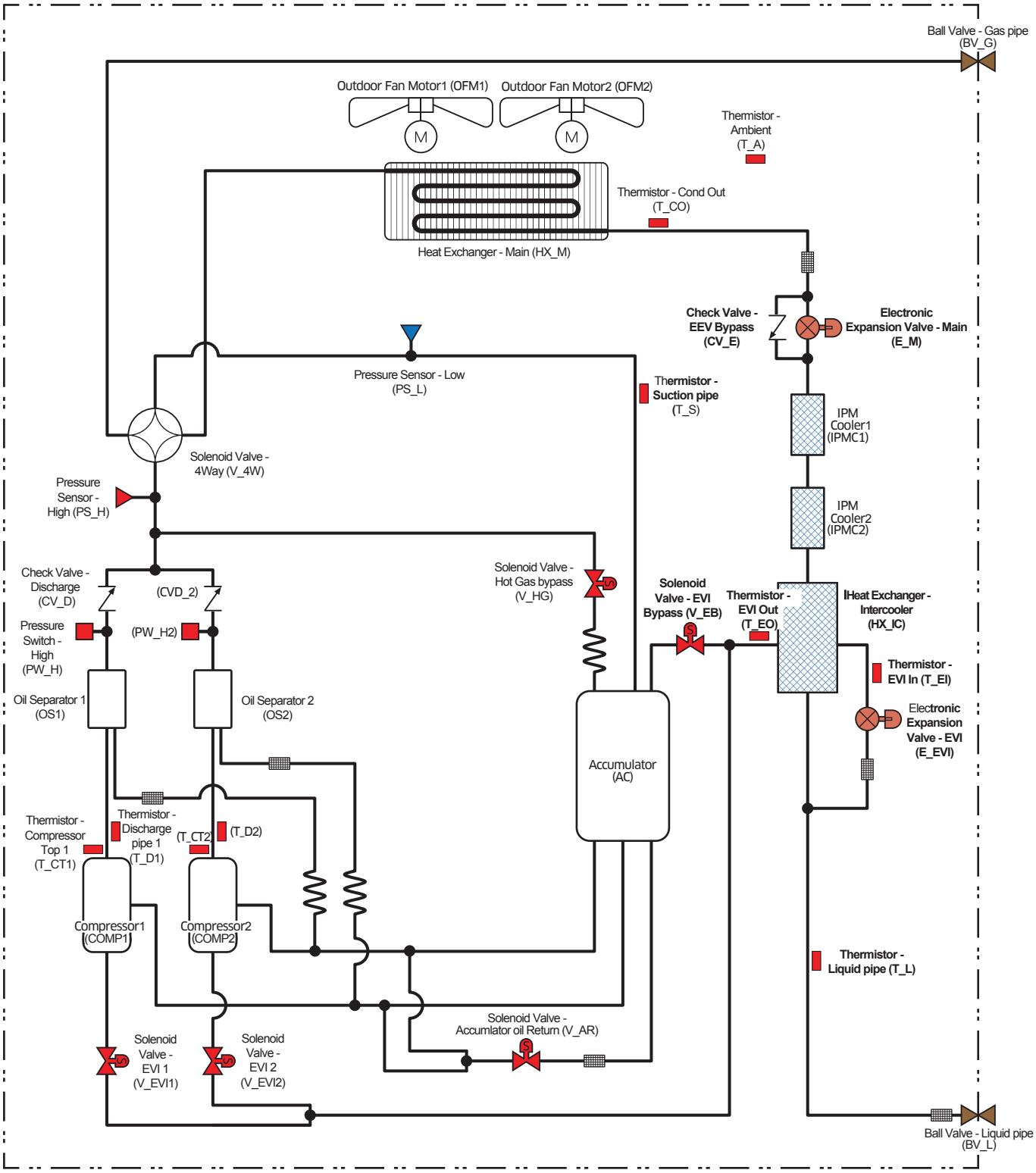
AM140KXVGGH/EU, AM160KXVGGH/EU, AM140KXVAGH/EU, AM160KXVAGH/EU, AM180KXVAGH/EU



9 Piping diagram

Outdoor

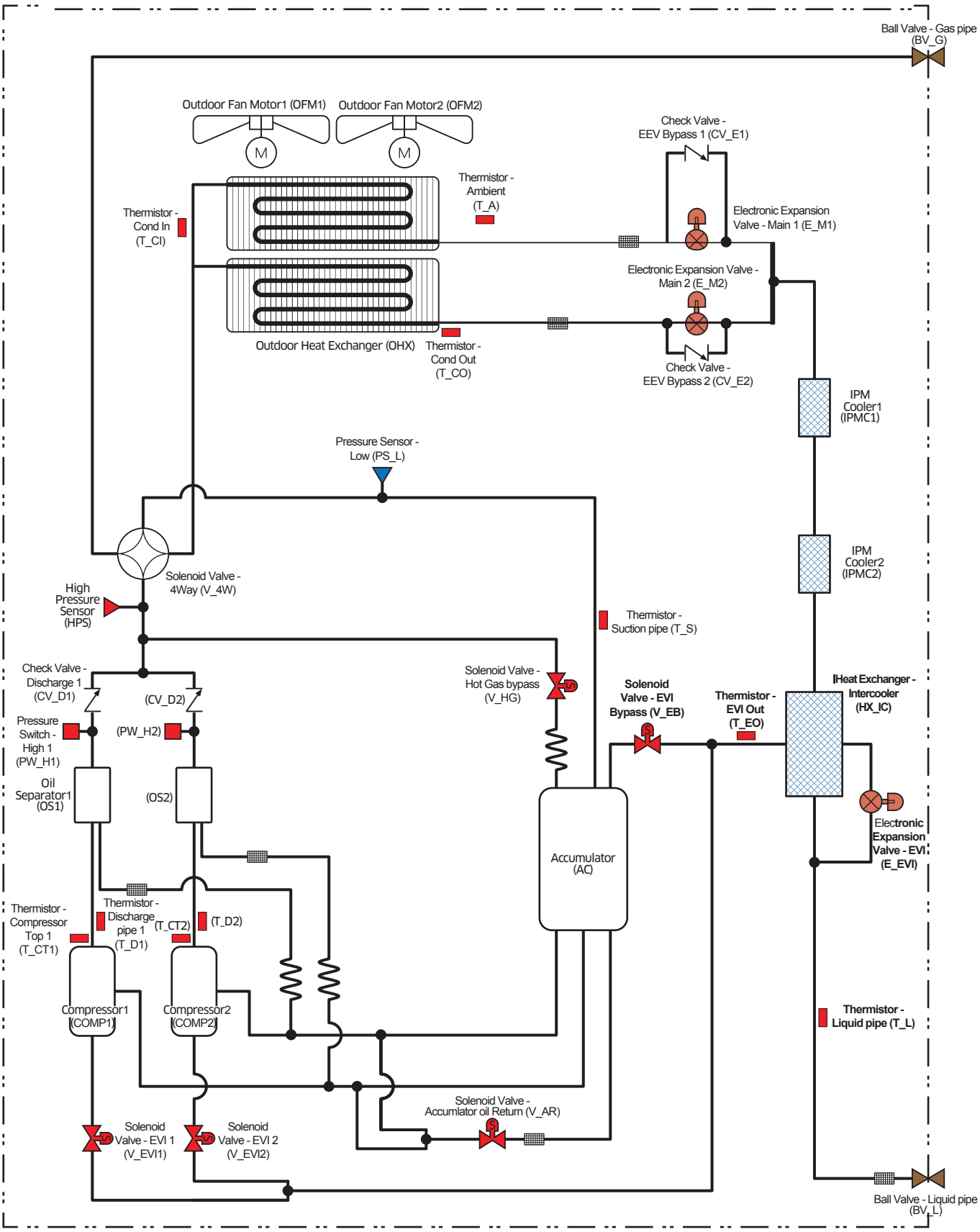
AM180KXVGGH/EU, AM200KXVGGH/EU, AM220KXVGGH/EU, AM200KXVAGH/EU, AM220KXVAGH/EU



9 Piping diagram

Outdoor

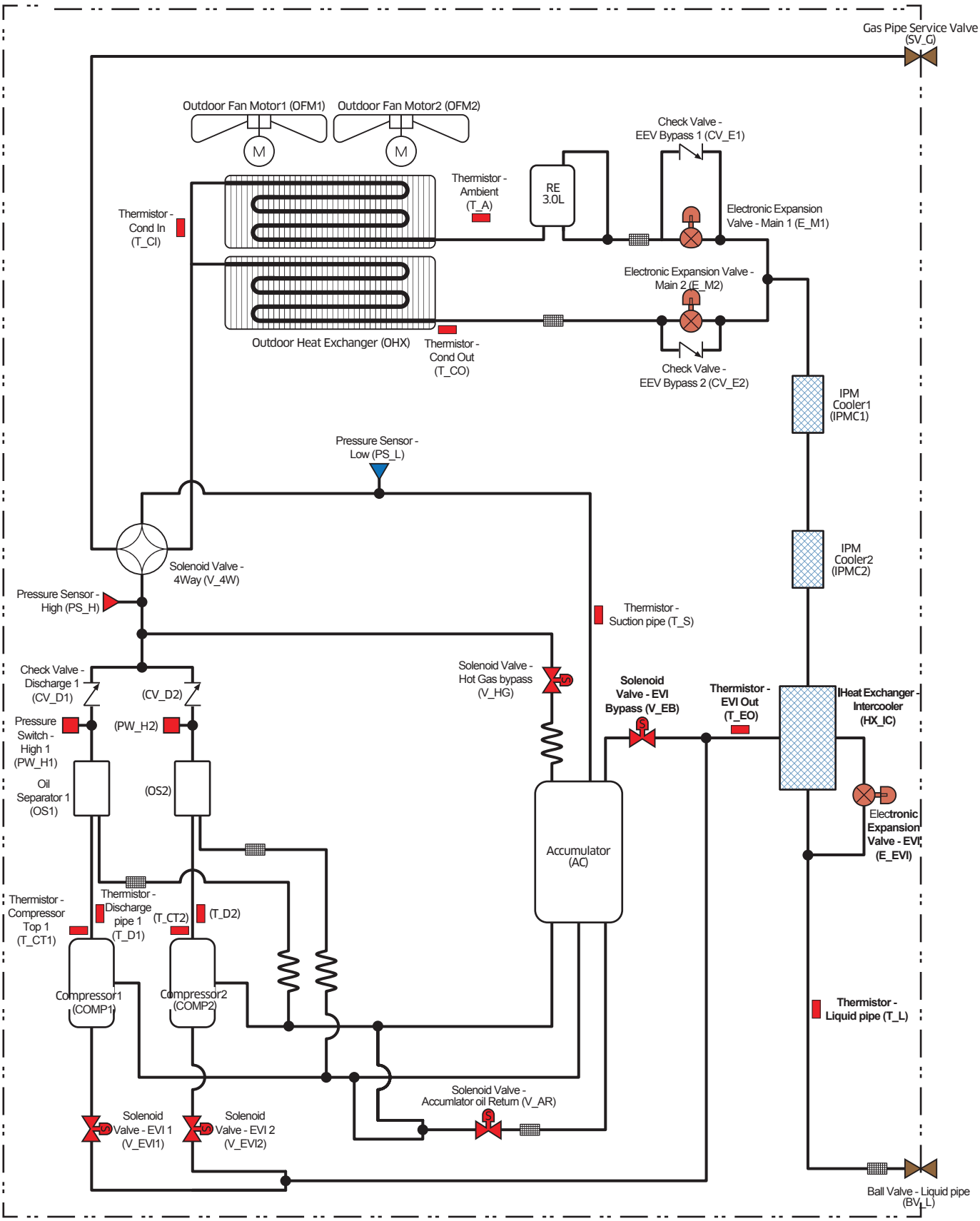
AM240KXVAGH/EU, AM260KXVAGH/EU



9 Piping diagram

Outdoor

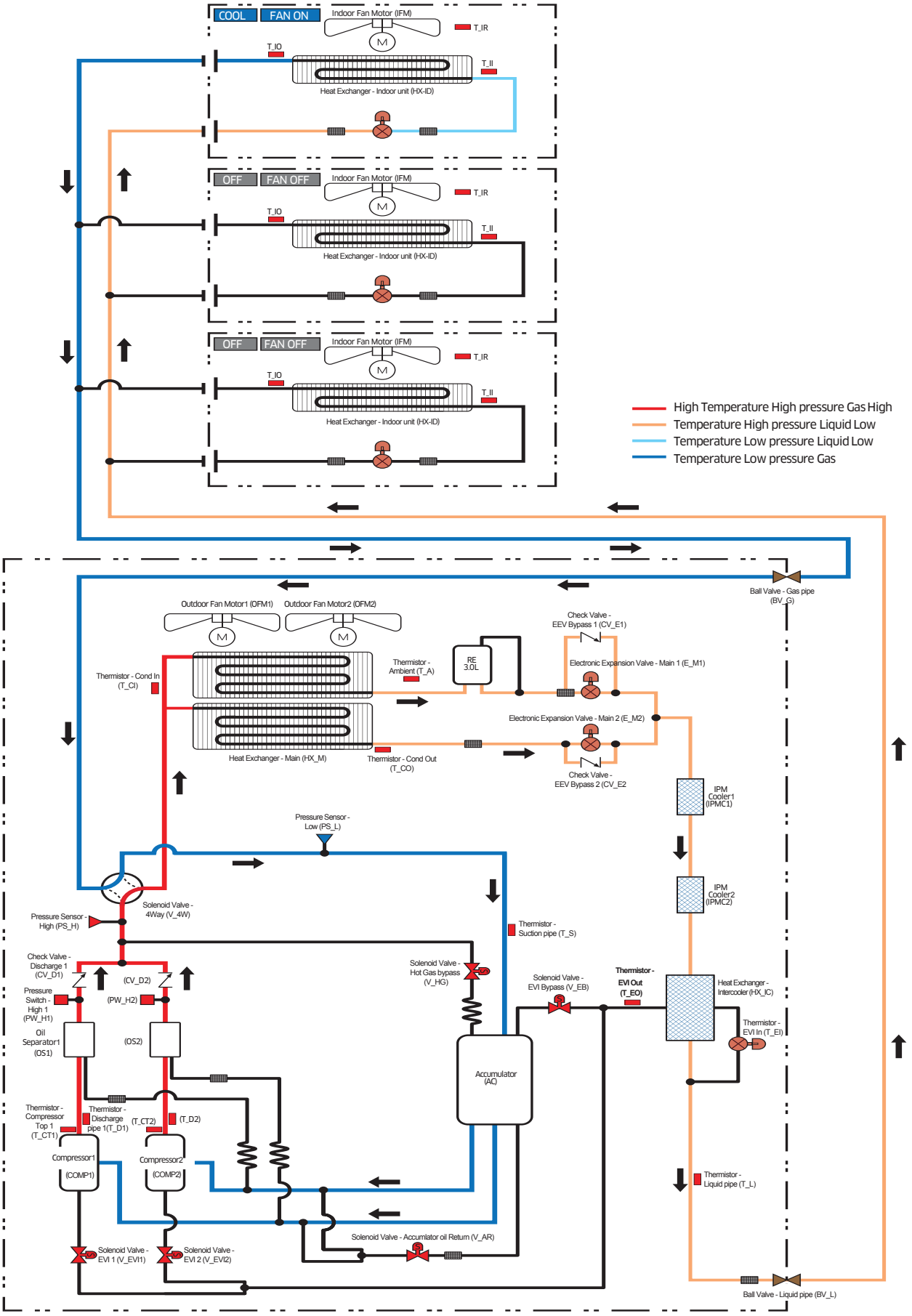
AM240KXVGGH/EU, AM260KXVGGH/EU, AM280KXVGGH/EU, AM300KXVAGH/EU, AM280KXVAGH/EU



9 Piping diagram

Cooling System

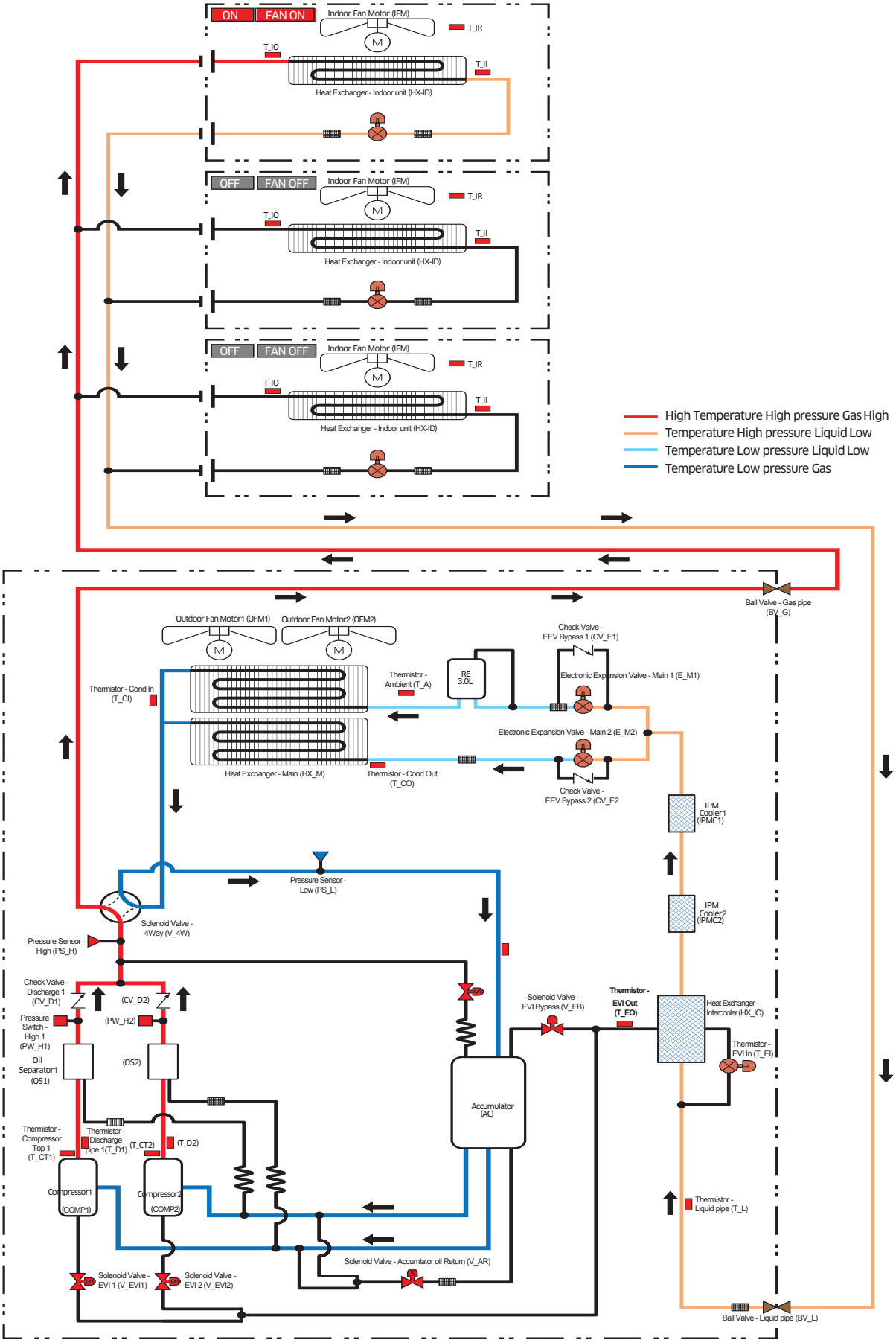
AM300KXVAGH/EU With Indoor units



9 Piping diagram

Heating System

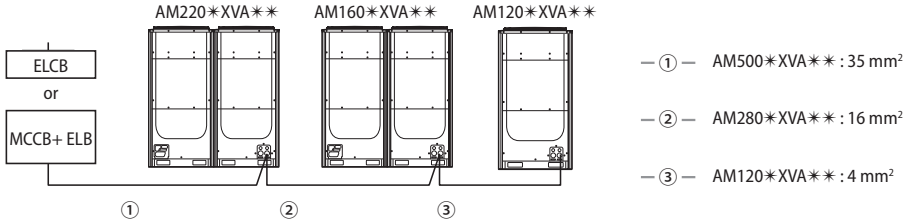
AM300KXVAGH/EU With Indoor units



Electrical wiring work

※ When installing outdoor units in module, select the power supply cable according to the sum of outdoor unit capacity. (Refer to the table for each model)

※ Power Supply cords of parts of appliances for outdoor use shall not be lighter than polychloroprene sheathed flexible cord.
(Code designation IEC:60245 IEC 66 / CENELEC: H07RN-F)
Ex.) AM500✳XVA✳✳



NOTE

- This device is intended for the connection to a power supply system with a maximum permissible system impedance shown in the table at the interface point (power service box) of the user's supply.
- The user must ensure that this device is connected only to a power supply system which fulfills the requirement above. If necessary, the user can ask the public power supply company for the system impedance at the interface point.
- This equipment complies with IEC 61000-3-12 provided that the short-circuit power Ssc is greater than or equal to Ssc(*2) at the interface point between the user's supply and the public system. It is the responsibility of the installer or user of the equipment to ensure, by consultation with the distribution network operator if necessary, that the equipment is connected only to a supply with a short-circuit power Ssc greater than or equal to Ssc(*2). [Ssc (*2)]

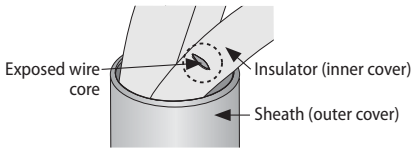
Model	Ssc [MVA]	Model	Ssc [MVA]
AM140KXVAG✳	5.3	AM240KXVAG✳	13
AM160KXVAG✳	7.6	AM260KXVAG✳	13.8
AM180KXVAG✳	9.3	AM280KXVAG✳	16.2
AM200KXVAG✳	8.1	AM300KXVAG✳	17.7
AM220KXVAG✳	8.6		

Model	Ssc [MVA]	Model	Ssc [MVA]
AM140KXVGG✳	5.3	AM240KXVGG✳	13
AM160KXVGG✳	7.6	AM260KXVGG✳	13.8
AM180KXVGG✳	9.3	AM280KXVGG✳	16.2
AM200KXVGG✳	8.1	AM080KXVSG✳	17.7
AM220KXVGG✳	8.6		

CAUTION

Caution for electrical work

- You must install ELCB or MCCB + ELB
  - ELCB: Earth leakage breaker
  - MCCB: Molded case circuit breaker
  - ELB: Earth leakage breaker
- Do not operate the outdoor unit before completing the refrigerant pipe work.
- Do not disconnect or change the cable inside the product. It may cause damage to the product.
- Specification of the power cable is selected based on following installation condition; culvert installation/ ambient temperature 30 °C/ single multi conductor cables. If the condition is different from the ones stated, please consult an electrical installation expert and re-select the power cable.
  - If the length of power cable exceed 50m, re-select the power cable considering the voltage drop.
- Use a power cable made out of incombustible material for the insulator (inner cover) and the sheath (outer cover)
- Do not use the power cable with the core wire exposed due to insulator damage occurred during removal of the sheath. When the core wire is exposed, it may cause fire.

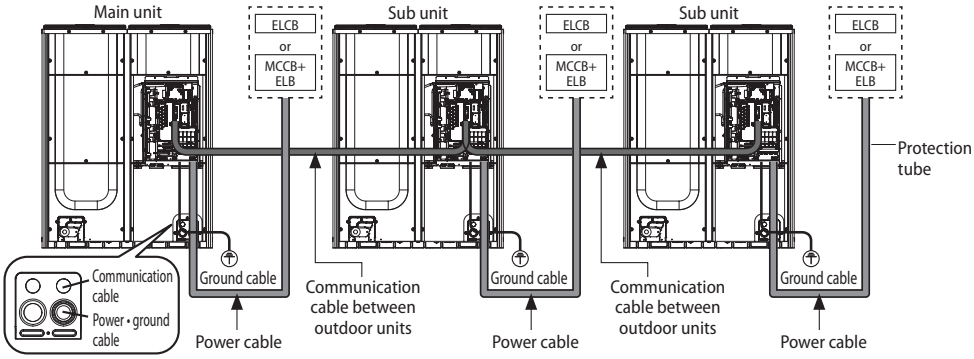


<The example of exposed core wire>

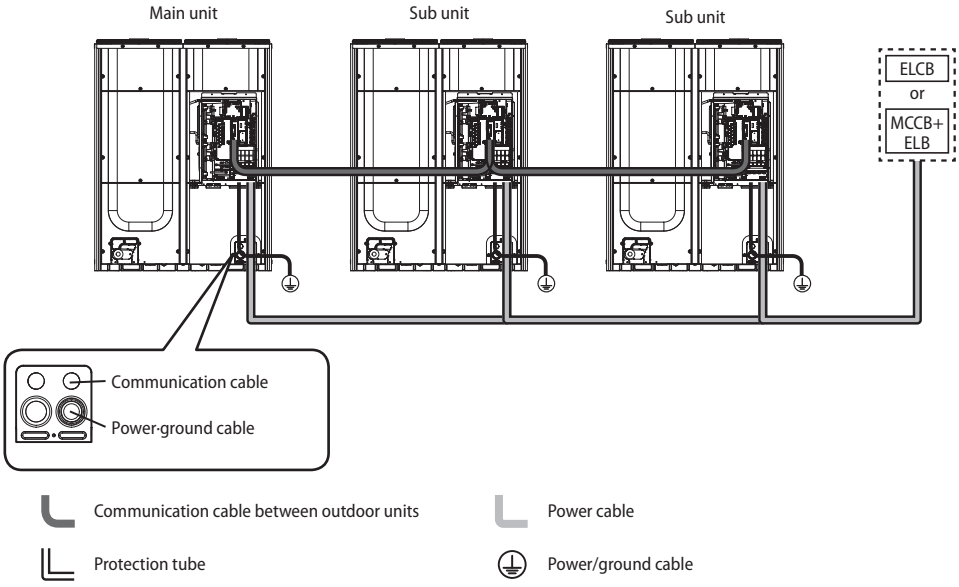
Electrical wiring work

Power and communication cable configuration

- Main power and the ground cable must be withdrawn through the knock-out hole on the bottom-right or right side of the cabinet.
- Withdraw the communication cable from the designated knock-out hole on the bottom-right side of the front part.
- Install the power and communication cable using separate cable protection tube.
- Fix a protection tube to the knock-out hole on the outdoor unit by using a CD connector or bushing. Make sure to use insulating bushing



<When the module combination is in the tables of "Outdoor unit combination">

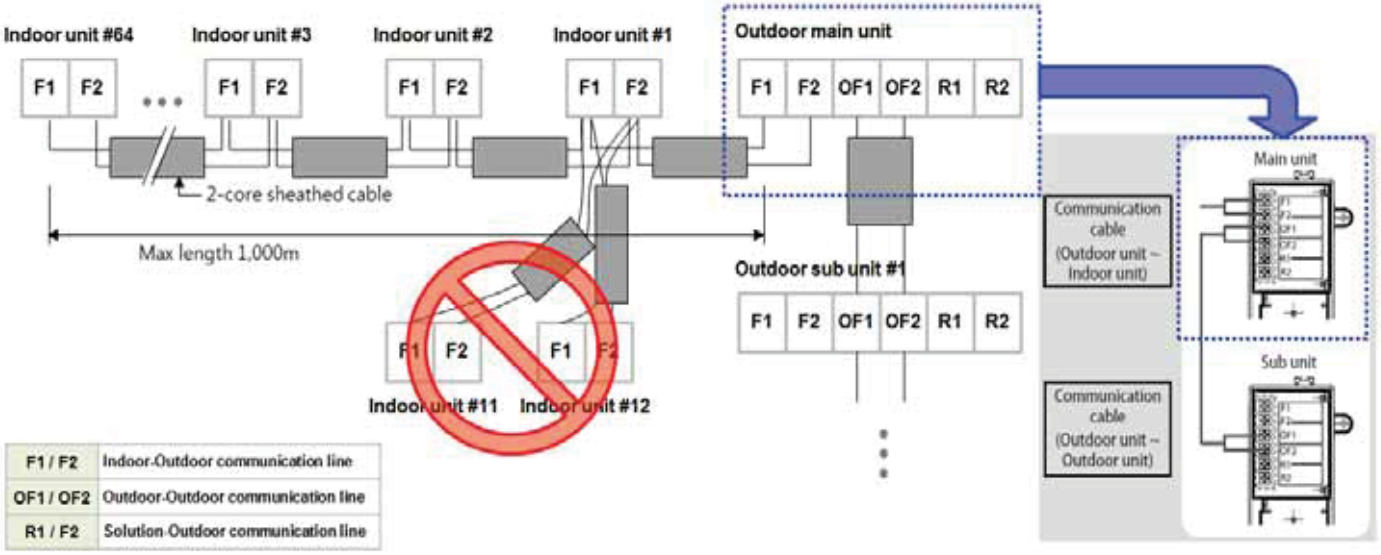


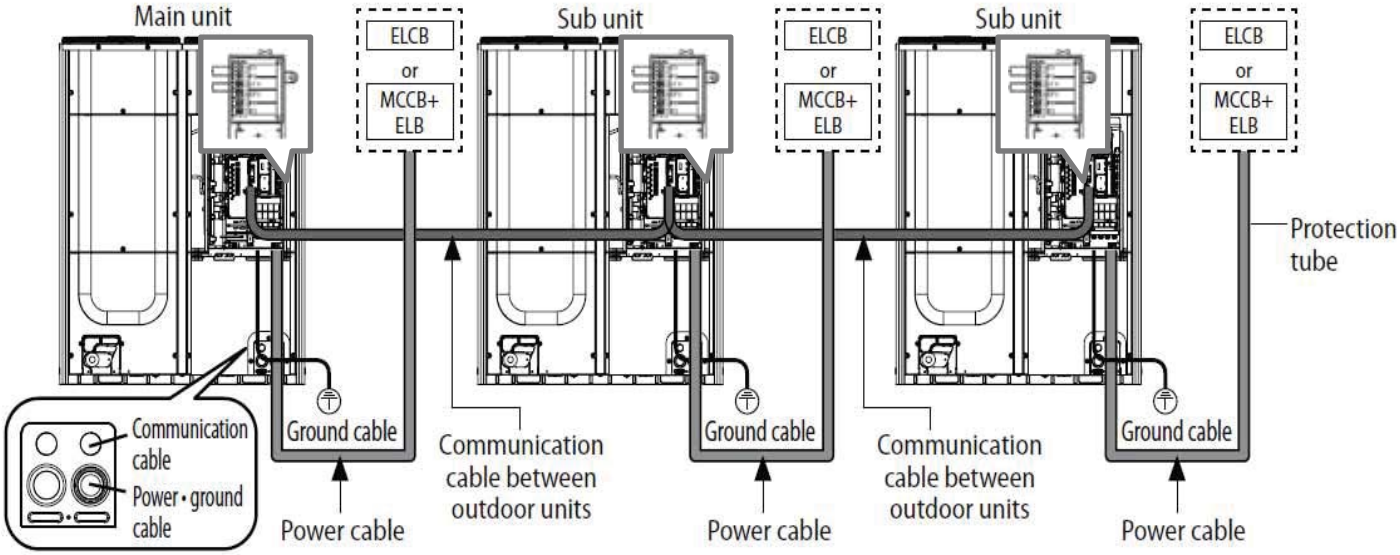
Specification of the protection tube

Name	Temper grade	Applicable conditions
Flexible PVC conduit	PVC	When the protection tube is installed indoor and not exposed to outside, because it is embedded in concrete structure
Class 1 flexible conduit	Galvanized steel sheet	When the protection tube is installed indoor but exposed to outside so there are risk of damage to the protection tube
Class 1 PVC coated flexible conduit	Galvanized steel sheet and Soft PVC compound	When the protection tube is installed outdoor and exposed to outside so there are risk of damage to the protection tube and extra waterproof is needed

Specification of Cable and Connecting method

- For communication cable, 2-core sheathed vinyl cable should be used which satisfies nominal area of 0.75~1.25㎟ thickness.
  If 2 or more than 3 communication are connected with one cable which is 4, 6 or more strands, communication malfunction could be caused.
  Only 2-core sheathed vinyl cable should be used for one communication line.
- Maximum connecting length is limited to 1,000m, so you should follow this limit not to cause malfunction of communication.
- Maximum number of units that can be connected to the outdoor main unit is 64, so do not exceed this limit.
- Communication cable should be connected in series as in the picture below, and malfunction of communication can be occur if many units are connected to the same terminal.
- Communication cable between indoor and outdoor units and communication cable between outdoor units has no polarity.

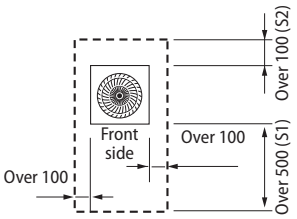




Space requirement for installation

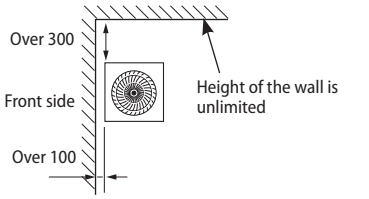
- Space requirement was decided based on following conditions; Cooling mode, outdoor temperature of 35 ℃.
  Larger space is required if the outdoor temperature is higher than 35 ℃ or if the place is heated easily by quantity of solar radiation.
- When you secure installation space, consider path for people and the direction of the wind.
- Secure installation space as shown in the below illustration, considering ventilation and the service space.
- If the installation space is narrow, installer or other worker may get injured during work and may also cause problem to the product.
- If you install multiple number of outdoor units in one space, make sure to secure enough ventilation space
  if there's any walls around the product that may disturb the air flow. If enough ventilation space is not secured, product may malfunction.
- You may install the outdoor units with 20mm of space between the product, but product's performance may decrease depending on the installation environment.

Single installation



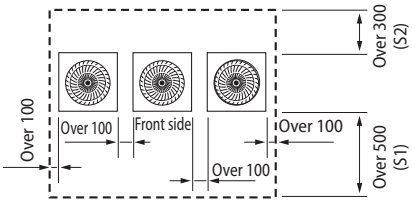
<Case 1>

(Unit : mm)

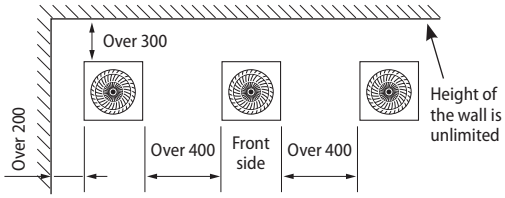


<Case 2>

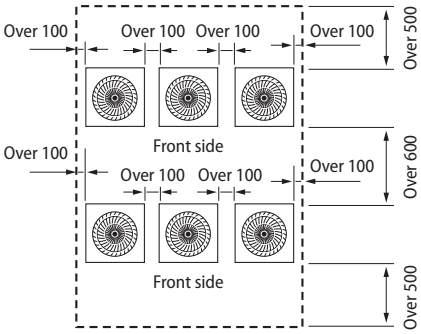
Module installation



<Case 1>



<Case 2>

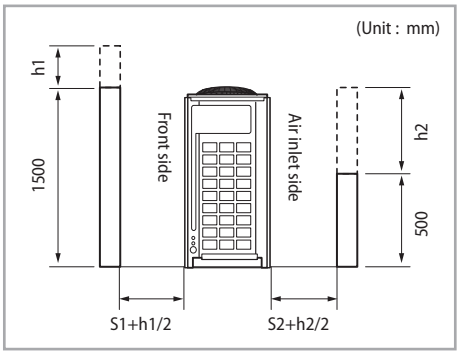


<Case 3>

※ For <Case 1> or <Case 3>

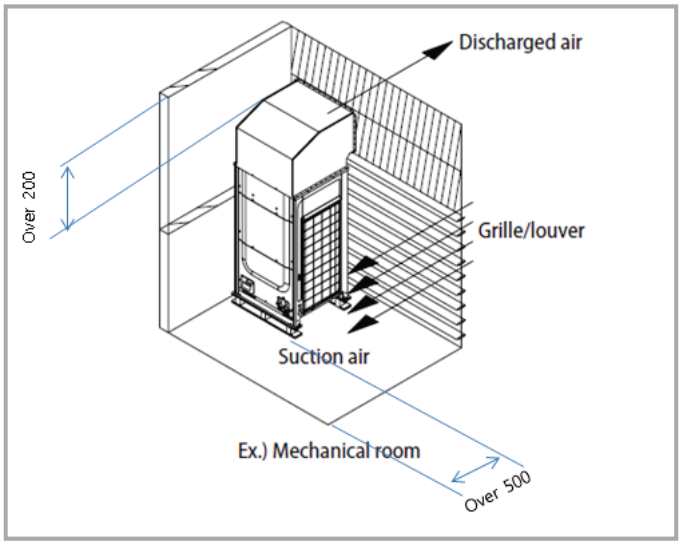
- Height of the wall on the front side should not be higher than 1500mm.
- Height of the wall on the air inlet side should not be higher than 500mm.
- Height of the wall on the side is not limited.
- If the height of the wall exceeds by certain value (h1, h2), additional clearance [(h1)/2, (h2)/2 : Half of the exceeded distance] should be added to the service space (S1, S2)

(Unit : mm)



※ At Machinery Room

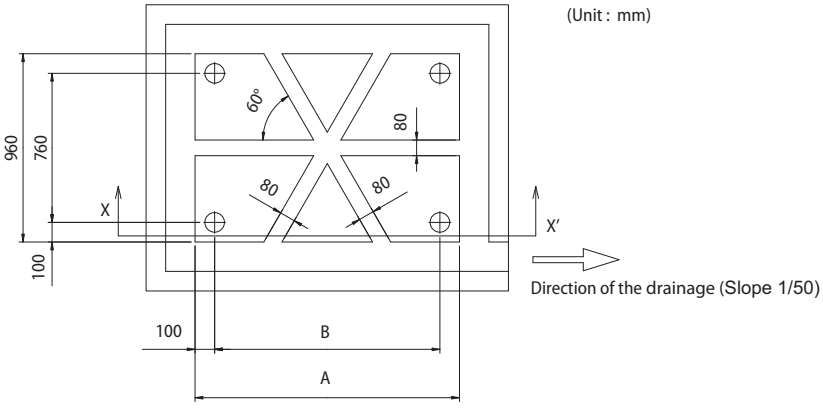
- Make sure to install both discharge duct and suction grille / louver
- Static pressure of the discharge duct should be within the standard specification (78.45 Pa) when installing the duct.
- Secure enough cross-sectional area on grille surface for easy air intake in case of machinery room installation.



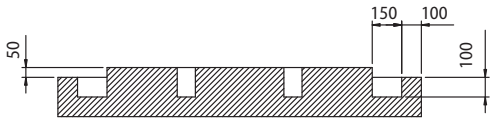
Base construction and installation of the outdoor unit

Examples of draining work

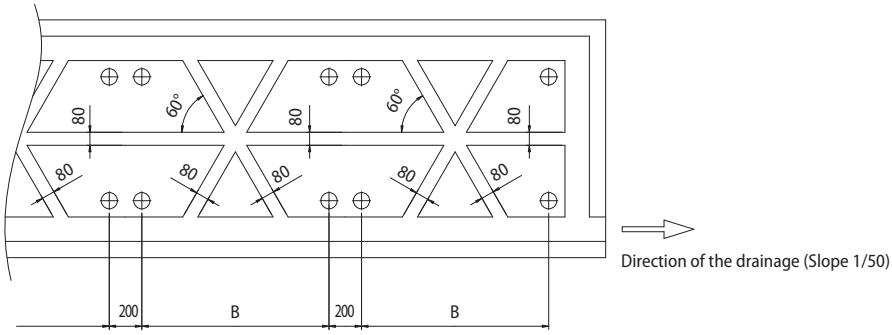
- Construct the drainage ditch with reinforced concretes and make sure that water-proofing work is done.
- For smooth draining of defrost water, make sure to apply 1/50 slope.
- Construct a drainage around the outdoor unit to prevent the defrost water (from the outdoor unit) from stagnating, overflowing or freezing near the installation space.
- When the outdoor unit is installed on the roof, check the strength and waterproof status of the roof.



<Drainage work for single installation>



<X-X' SECTION>



<Drainage work for module installation>

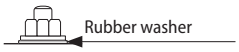
(Unit : mm)

Classification	DVM S Large A type	DVM S Large B type
Models	AM140/160/180/200/220✳XV✳G✳	AM080KXVSG✳ AM240/260/280/300✳XV✳G✳
A	1,350	1,350
B	1,150	1,150

CAUTION

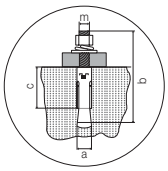
Cautions regarding on connecting the anchor bolt

- Tighten the rubber washer to prevent the bolt connection part of the outdoor unit from corroding.



- Anchor specification

Size	Diameter of drill bit (a)	Anchor length (b)	Sleeve length (c)	Insert depth	Fastening torque
Ø 10	14 mm	75 mm	40 mm	50 mm	30 N·m

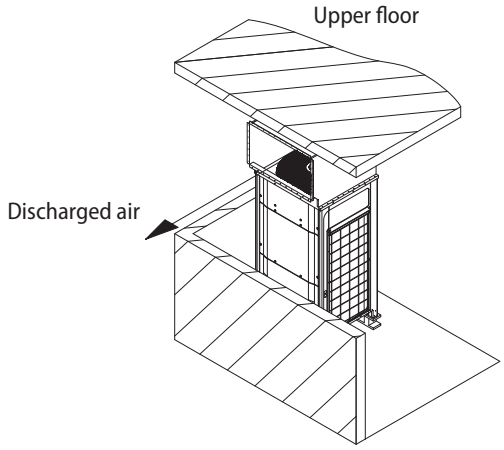


✳ Use the anchor bolts and nuts that is zinc plated or made of STS material.
Regular anchor bolts or nuts may get damaged by corrosion.

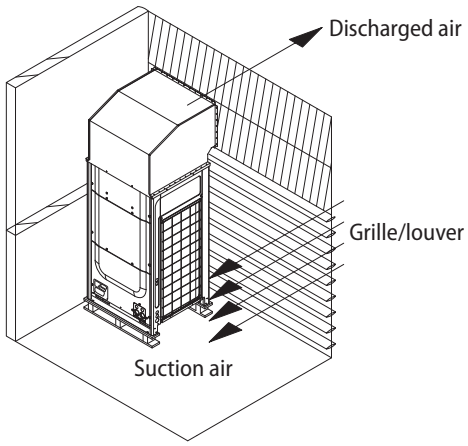
Wind / Snow prevention duct

Installing the outdoor unit around the obstacles

- It is necessary to install a discharge guide duct(field supply) to direct exhaust from the fan horizontally, when it is difficult to provide a minimum space of 2m between the air outlet and a nearby obstacle..



Ex.) Balcony



Ex.) Mechanical room

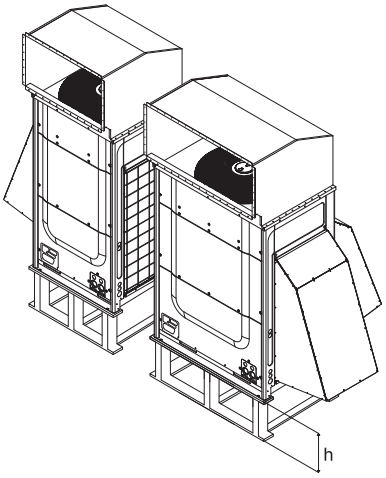
Installing the outdoor unit in cold region

- In cold regions with lots of snowfall, install a snow prevention duct, as a sufficient countermeasure, to prevent snow from accumulating on the outdoor unit. When the snow prevention duct is not installed, frost may accumulate on the heat exchanger and heating operation may not work normally.
- Air outlet of the duct should not be directed to the enclosed space.

CAUTION

Cautions regarding on installing the frame and selecting the base ground

- Height (h) of the frame and the base ground should be higher than the "heaviest expected snowfall".
- Area of the frame and the base ground should not be larger than the are of the outdoor unit. Snow may accumulate if the area of the frame or the base ground is larger.



Wind / Snow prevention duct

Installing the outdoor unit in windy region

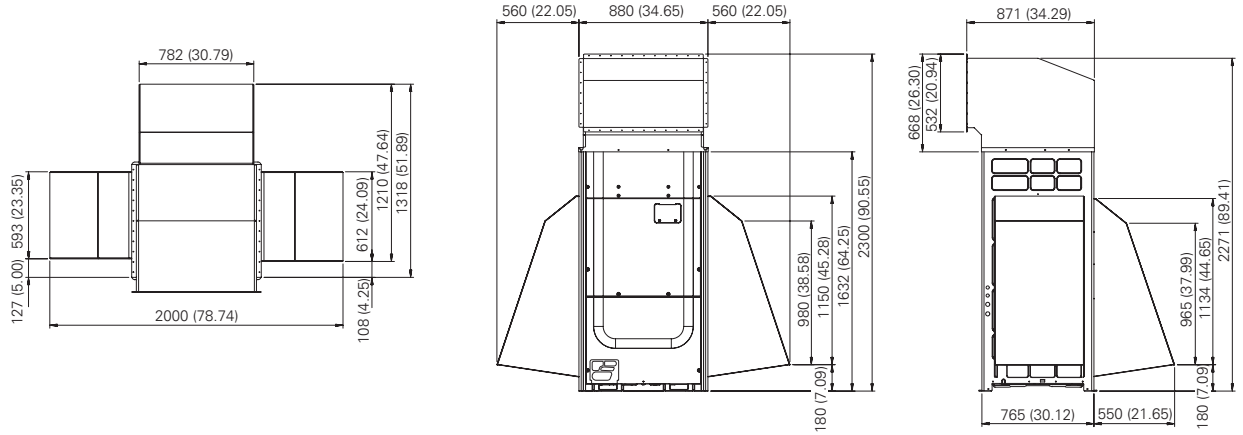
- In windy regions such as near sea shores, protection wall or wind protection duct must be installed for normal operation of the outdoor unit. (Refer to the illustration of the snow prevention duct, for installing the wind protection duct.)
- Install the wind prevention duct with the consideration of major wind direction. If the direction of the discharge part is same as major direction of the wind, it could cause product's performance decrease.

CAUTION

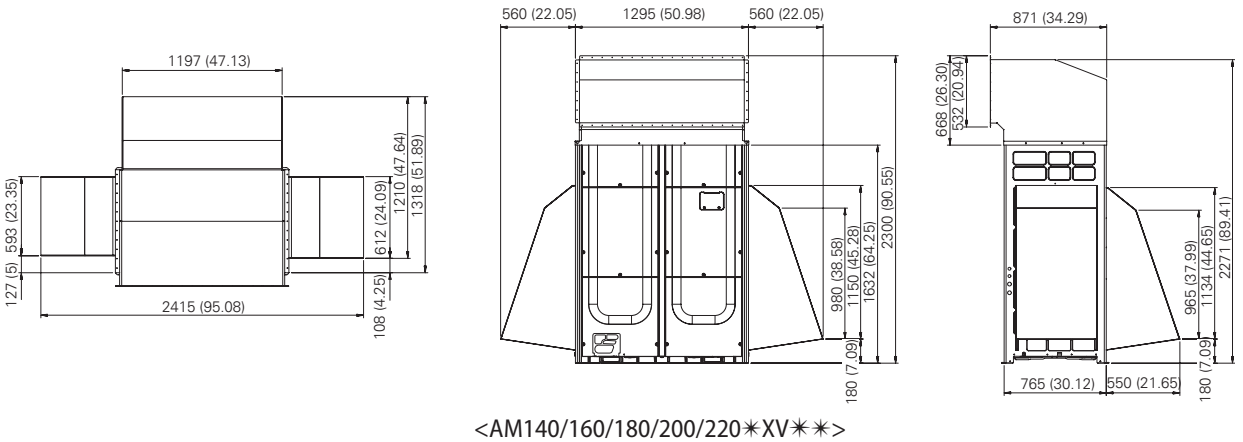
Cautions regarding on installing the frame and selecting the base ground

- The base ground must be solid and the outdoor unit must be fixed with anchor bolts.
- Make sure to install outdoor unit in a place strong enough to withstand its weight. If the place cannot withstand the weight of the outdoor unit, outdoor unit may fall and cause personal injury.
- When installing on a rooftop subject to strong wind, countermeasures must be taken to prevent the unit from falling down.
- Use a frame that is resistant to corrosion.

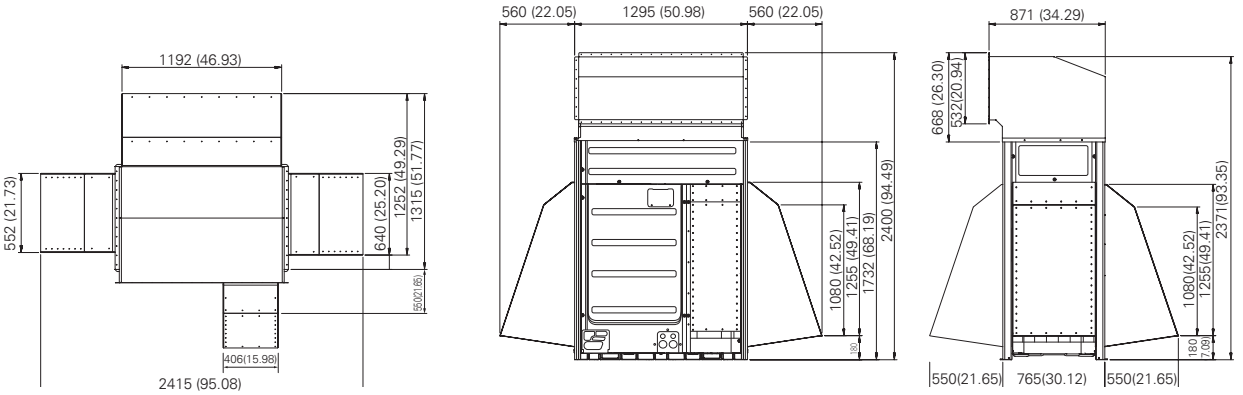
Unite: mm (inch)



<AM080/100/120✳XV✳✳>



<AM140/160/180/200/220✳XV✳✳>



<AM240/260/280/300✳XV✳✳>

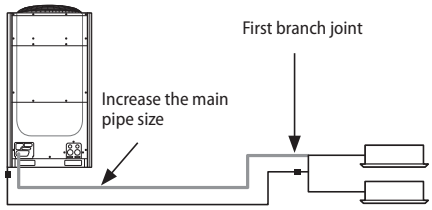
Refrigerant pipe installation

Refrigerant pipe work

- The length of refrigerant pipe should be as short as possible and the height difference between an indoor and outdoor unit should be minimized.
- Piping work must be done within allowable piping length, height difference, and the allowable length after branching.
- The pressure of the R-410A is high. Use only certified refrigerant pipe and follow the installation method.
- After installing the pipes, calculate the total length of the pipe to check if additional refrigerant is needed.
  When you need to charge the additional refrigerant, make sure to use R-410A refrigerant.
- Use clean refrigerant pipe and there shouldn't be any harmful ion, oxide, dust, iron content or moisture inside pipe.
- Use tools and accessories that fit on R-410A only.

Tool	Installation process/purpose		Compatibility with conventional tool
Pipe cutter	Refrigerant pipe installation	Pipe cutting	Compatible
Flaring tool		Pipe flaring	
Refrigerant machine oil		Apply refrigerant oil on flared part	Exclusive ether oil, ester oil, alkali benzene oil or synthetic oil
Torque wrench		Connect flare nut with pipe	Compatible
Pipe bender		Pipe bending	
Nitrogen gas	Air tightness test	Prevent oxidation within the pipe	
Welder		Pipe welding	
Manifold gage	Air tightness test ~ additional refrigerant charging	Vacuuming, charging refrigerant and checking operation	Need exclusive one to prevent mixture of R-22 refrigerant oil use and also the measurement is not available due to high pressure
Refrigerant charging hose			Need exclusive one since there is risk of refrigerant leakage or inflow of impurities
Vacuum pump	Pipe drying		Compatible (Use products which contain the check valve to prevent the oil from flowing backward into the outdoor unit.) Use the one that can be vacuumed up to -100.7kpa(5Torr).
Scale for refrigerant charging	Refrigerant charging		Compatible
Gas leak detector	Gas leak test		Need exclusive one (Ones used for R-134a is compatible)
Flare nut	Must use the flare nut equipped with the product. Refrigerant leakage may occur when the conventional flare nut for R-22 is used.		

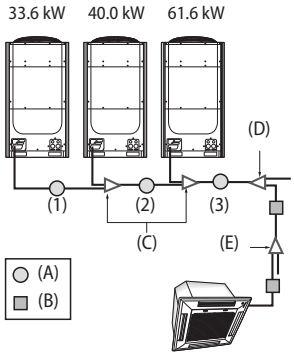
Selecting refrigerant pipe



- Install the refrigerant pipe according to main pipe size of each outdoor unit capacity.
- When the pipe length (including elbow) between an outdoor unit and the farthest indoor unit exceeds 90m,
  you must increase the size of the pipe (main pipe) by one grade which connects between the outdoor unit to the first branch joint.
- For H/R model, When the pipe length (including elbow) between an outdoor unit and the farthest indoor unit exceeds 90m,
  you must increase the size of the liquid pipe by one grade among the pipes(main pipe) which connects between the outdoor unit to the first branch joint.

Refrigerant pipe installation

H/P



Ex.) 135.2 kW

Capacity (kW)	No.	Pipe size (mm)	
		Liquid pipe	Gas pipe
33.6 kW	(1)	Ø 12.70	Ø 28.58
73.6 kW	(2)	Ø 19.05	Ø 34.92
135.2 kW	(3)	Ø 19.05	Ø 41.28

Size of the pipe connected to the outdoor unit (A)

Select the size of the main pipe according to the below table.

Outdoor unit capacity (kW) (Cooling)	*Maximum pipe length within 90m (Main pipe diameter)		*Maximum pipe length over 90m (Main pipe diameter)	
	Liquid pipe (mm)	gas pipe (mm)	Liquid pipe (mm)	gas pipe (mm)
22.4 kW	Ø 9.52	Ø 19.05	Ø 12.70	Ø 22.22
28.0 kW		Ø 22.22		Ø 25.40 note1)
33.6 kW	Ø 12.70	Ø 28.58	Ø 15.88	Ø 28.58
40.0 kW				
45.0 kW				Ø 31.75 note2)
50.4 kW	Ø 15.88		Ø 19.05	
56.0 kW				
61.6 kW				
67.2 kW		Ø 34.92		Ø 38.10 note3)
72.8 kW ~ 84.0 kW	Ø 19.05		Ø 22.22	
89.6 kW ~ 95.2 kW				
101.6 kW		Ø 41.28		Ø 41.28
106.6 kW ~ 135.2 kW				
140.2 kW ~ 168.2 kW				Ø 53.98
173.6 kW ~ 252.0 kW	Ø 22.22	Ø 53.98	Ø 25.40 note1)	

*Maximum pipe length : The pipe length between an outdoor unit and the farthest indoor unit.
Note1) If Ø 25.40 pipe is not available on site, use Ø 28.58 pipe.
Note2) If Ø 31.75 pipe is not available on site, use Ø 34.92 pipe.
Note3) If Ø 38.10 pipe is not available on site, use Ø 41.28 pipe

Refrigerant pipe installation

Size of the pipe between branch joints (B)

Select the pipe size according to the sum of indoor unit capacity which will be connected after the branch.
❊ However, if the size of the pipe between branch joints (B) is bigger than the size of the pipe connected to the outdoor unit (A), apply the pipe size (A)

<table>
<tr><th rowspan="2">Indoor unit capacity (kW)</th><th colspan="2">Branch pipe length within 45m</th><th colspan="2">Branch pipe length between 45~90m</th></tr>
<tr><th>Liquid pipe (mm)</th><th>Gas pipe (mm)</th><th>Liquid pipe (mm)</th><th>Gas pipe (mm)</th></tr>
<tr><td>15.0 kW and below</td><td rowspan="3">Ø 9.52</td><td>Ø 15.88</td><td rowspan="3">Ø 12.70</td><td>Ø 19.05</td></tr>
<tr><td>Over 15.0 kW ~ 22.4 kW and below</td><td>Ø 19.05</td><td>Ø 22.22</td></tr>
<tr><td>Over 22.4 kW ~ 28.1 kW and below</td><td>Ø 22.22</td><td>Ø 25.40 note1)</td></tr>
<tr><td>Over 28.1 kW ~ 40.0 kW and below</td><td rowspan="2">Ø 12.70</td><td rowspan="3">Ø 28.58</td><td rowspan="2">Ø 15.88</td><td>Ø 28.58</td></tr>
<tr><td>Over 40.0 kW ~ 45.0 kW and below</td><td rowspan="2">Ø 31.75 note2)</td></tr>
<tr><td>Over 45.0 kW ~ 63.3 kW and below</td><td rowspan="2">Ø 15.88</td><td rowspan="2">Ø 19.05</td></tr>
<tr><td>Over 63.3 kW ~ 70.3 kW and below</td><td rowspan="2">Ø 34.92</td><td rowspan="2">Ø 38.10 note3)</td></tr>
<tr><td>Over 70.3 kW ~ 98.4 kW and below</td><td rowspan="3">Ø 19.05</td><td rowspan="3">Ø 22.22</td></tr>
<tr><td>Over 98.4 kW ~ 135.2 kW and below</td><td rowspan="2">Ø 41.28</td><td>Ø 41.28</td></tr>
<tr><td>Over 135.2 kW ~ 169.0 kW and below</td><td rowspan="2">Ø 53.98</td></tr>
<tr><td>Over 169.0 kW</td><td>Ø 22.22</td><td>Ø 53.98</td><td>Ø 25.40 note1)</td></tr>
</table>

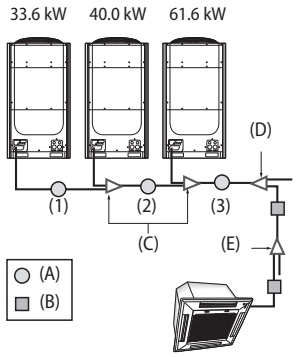
Note1) If Ø 25.40 pipe is not available on site, use Ø 28.58 pipe.
Note2) If Ø 31.75 pipe is not available on site, use Ø 34.92 pipe.
Note3) If Ø 38.10 pipe is not available on site, use Ø 41.28 pipe

Size of the pipe between the branch joint and the indoor unit

Make a selection according to outdoor unit capacity.

Indoor unit capacity (kW)	Pipe size (O.D. mm)	
	Liquid pipe	Gas pipe
6.0 kW and below	Ø 6.35	Ø 12.70
7.1 kW ~ 16.0 kW and below	Ø 9.52	Ø 15.88
20.0 kW ~ 23.0 kW and below	Ø 9.52	Ø 19.05
Over 23.0 kW	Ø 9.52	Ø 22.22

Refrigerant pipe installation



Branch joint

▶ Branch joint between outdoor units (C)

Classification	Model name	Specification (kW)
Y-joint for outdoor unit (C)	MXJ-TA3419M	135.2 kW and below
	MXJ-TA4122M	Over 140.2 kW

▶ First branch joint (D)
Make a selection according to outdoor unit capacity.

Classification	Outdoor unit capacity (kW)	Model name of the branch joint
Y-joint (D)	40.0 kW and below	MXJ-YA2512M
	45.0 kW	MXJ-YA2812M
	50.4 kW ~ 67.2 kW	MXJ-YA2815M
	73.6 kW ~ 95.2 kW	MXJ-YA3419M
	101.6 kW ~ 135.2 kW	MXJ-YA4119M
	140.2 kW and over	MXJ-YA4422M

▶ Branch joint (E)
Select a branch joint according to the sum of indoor unit capacity which will be connected after the branch.
❊ However, if the size of the pipe between branch joints (E) is bigger than the size of the pipe connected to the outdoor unit (D), apply the pipe size (D).

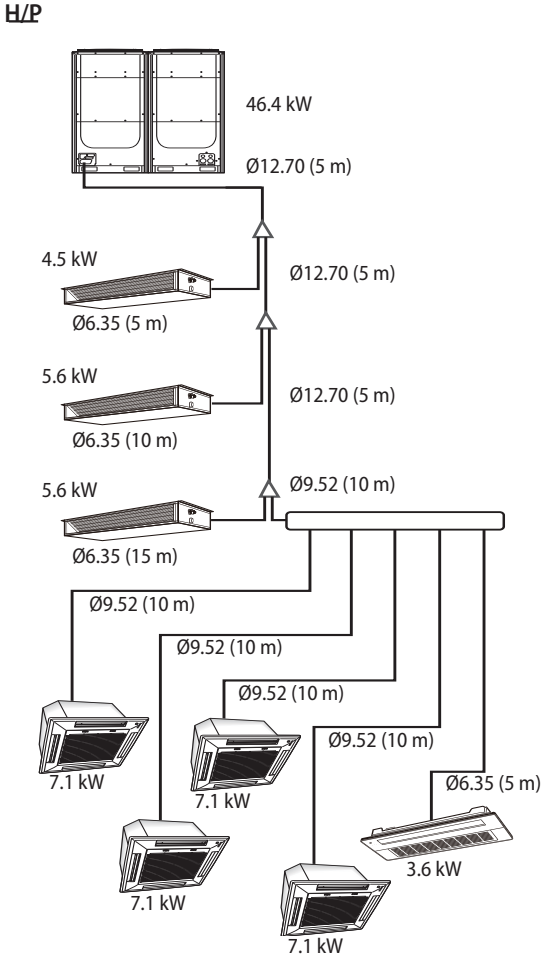
1) Y-joint

Classification	Model name	Specification (kW)
Y-joint (E)	MXJ-YA1509M	15.0 kW and below
	MXJ-YA2512M	Over 15.0 kW ~ 40.0 kW and below
	MXJ-YA2812M	Over 40.0 kW ~ 45.0 kW and below
	MXJ-YA2815M	Over 45.0 kW ~ 70.3 kW and below
	MXJ-YA3419M	Over 70.3 kW ~ 98.4 kW and below
	MXJ-YA4119M	Over 98.4 kW ~ 135.2 kW and below
	MXJ-YA4422M	Over 135.2 kW

2) Distribution header

Classification	Model name	Specification (kW)
Distribution header (E)	MXJ-HA2512M	45.0 kW and below (for 4 rooms)
	MXJ-HA3115M	70.3 kW and below (for 8 rooms)
	MXJ-HA3819M	Over 70.3 kW ~ 135.2 kW and below (for 8 rooms)

Additional refrigerant



Refrigerant pipe installation

▶ Basic amount of refrigerant within the outdoor unit (kg)
- Amount of additional refrigerant has to be calculated based on the sum of all liquid pipe length.

Classification	AM080JXVAGH	AM100JXVAGH	AM120JXVAGH	AM140KXVAGH	AM160KXVAGH	AM180KXVAGH
Basic type	5.5	5.5	6.5	7.7	8.4	8.4
Classification	**AM200KXVAGH**	**AM220KXVAGH**	**AM240KXVAGH**	**AM260KXVAGH**	**AM280KXVAGH**	**AM300KXVAGH**
Basic type	8.4	8.4	12.5	12.5	14	14
Classification	**AM080JXVHGH**	**AM100JXVHGH**	**AM120JXVHGH**	**AM140KXVGGH**	**AM160KXVGGH**	**AM180KXVGGH**
Basic type	6.5	6.5	6.5	9.4	8.4	8.4
Classification	**AM200KXVGGH**	**AM220KXVGGH**	**AM240KXVGGH**	**AM260KXVGGH**	**AM280KXVGGH**	**AM080KXVSGH**
Basic type	8.4	8.4	14	14	14	14

▶ Amount of additional refrigerant depending on the pipe size (ⓐ)
- Amount of additional refrigerant has to be calculated based on the sum of all liquid pipe length.

Size of liquid pipe	Ø 6.35	Ø 9.52	Ø 12.70	Ø 15.88	Ø 19.05	Ø 22.22	Ø 25.40	Ø 28.58
Additional amount (kg/m)	0.02	0.06	0.125	0.18	0.27	0.35	0.53	0.65

- For the indoor unit already connected to EEV kit, the additional refrigerant charging is 0.01kg per meter regardless of the pipe size.

Refrigerant pipe installation

► Amount of additional refrigerant for each indoor unit (ⓑ)

(Unit : kg)

Model \ Capacity (kW)	1.5	1.7	2.2	2.8	3.2	3.6	4.5	5.6	6	7.1	8.2	9	11.2	12.8	14	16	18	22	22.4	28	32	50	500 CMH	1000 CMH
Slim 1way cassette (JSF) (AM✳✳✳FN1DE✳✳)			0.25	0.25		0.25																		
Interior 1way cassette (AM✳✳✳HN1DE✳✳) (AM✳✳✳JN1DE✳✳)		0.15	0.15					0.32		0.32														
2way cassette (AM✳✳✳FN2DE✳✳)								0.31		0.47														
4way cassette (AM✳✳✳FN4DE✳✳)							0.45	0.45		0.45		0.45	0.57	0.69	0.69									
360 cassette (AM✳✳✳KN4DE✳✳)							0.45	0.45		0.45		0.45	0.69	0.69	0.69									
Floor Standing Unit (AM✳✳✳FNFDE✳✳)						0.22		0.32		0.32														
ERV plus (AM✳✳✳FNKDE✳✳)																							0.11	0.36
4way cassette (600×600) (AM✳✳✳FNNDE✳✳)	0.29		0.29	0.29		0.29	0.37	0.37	0.37															
Duct S (MSP) (AM✳✳✳HNHPK✳✳✳)						0.31	0.38	0.38		0.38			0.38	0.38	0.38									
Slim duct (AM✳✳✳FNLDE✳✳)		0.17	0.17	0.17		0.26	0.35	0.35		0.45		0.42	0.42	0.62	0.62									
MSP duct (AM✳✳✳✳NMDE✳✳)			0.24	0.24		0.24	0.28	0.28		0.28		0.32	0.54											
Ceiling (AM✳✳✳FNCDE✳✳ / AM✳✳✳JNCDK✳✳)								0.39		0.39			0.56		0.95									
Console (AM✳✳✳✳NJDE✳✳)			0.16	0.27		0.27	0.27	0.27																
Neo forte (AM✳✳✳FNTDE✳✳)	0.24		0.24	0.24		0.24		0.36		0.36														
Neo forte (with EEV) (AM✳✳✳FNQDE✳✳)	0.34		0.34	0.34		0.34	0.51	0.51		0.51														
AR5000 (AM✳✳✳JNADK✳✳)	0.16		0.16	0.19		0.25	0.25	0.52		0.52	0.52													
AR5000 (with EEV) (AM✳✳✳JNVDK✳✳)	0.22		0.22	0.25		0.34	0.34	0.71		0.71	0.71													
HSP duct (AM✳✳✳FNHDE✳✳)													0.68	0.68	0.68			1.18		1.18				
OAP duct (AM✳✳✳JNEPE✳✳)															0.68			1.18		1.18				
Big duct (AM✳✳✳JNHFK✳✳)																	1.15		1.15					
Hydro unit HE (AM✳✳✳FNBD✳✳)																0.6					0.7	1.2		
Hydro unit HT (AM✳✳✳FNBF✳✳)	0.6 note1)																							
MCU (MCU-S✳NEE✳N)	0.50																							

► If AHU kit is included among the indoor units, you must add 0.063kg of refrigerant for every 1kW of the AHU capacity increase.

Note1) case the capacity conjunction of the Hydro Unit HT exceeds 50 % among the total indoor unit, please don't put the additional refrigerant.

Refrigerant pipe installation

▶ Method to calculate total amount of additional refrigerant
- Amount of additional refrigerant depending on the pipe length (ⓐ)
- Amount of additional refrigerant for each indoor unit (ⓑ) = ∑(Amount of additional refrigerant for each connected indoor unit)

※ Refer to the table

- Total amount of additional refrigerant = ⓐ+ⓑ

※ Sum of total amount of additional refrigerant and the basic amount of refrigerant should not exceed 100kg.
If the refrigerant exceeds 100kg, separate the module so that weight of the refrigerant doesn't exceed 100kg.

Ex.) For AM200FXVAG✳, basic amount of refrigerant is 8.4kg, therefore total amount of additional refrigerant (ⓐ+ⓑ) should not exceed 91.6 kg.

▶ Example of refrigerant calculation for HP models

Classification	Size of liquid pipe	Length (m)	Unit amount of refrigerant (kg/m)	Amount of additional refrigerant (kg)	Total amount of additional refrigerant (kg)
		①	②	①×②	∑(①×②)
Liquid pipe (ⓐ)	Ø 6.35	35	0.02	0.7	ⓐ 5.575
	Ø 9.52	50	0.06	3.0	
	Ø 12.70	15	0.125	1.875	

Classification	Model name of indoor unit	Number of units	Unit amount of refrigerant (kg/EA)	Amount of additional refrigerant (kg)	Total amount of additional refrigerant (kg)
		①	②	①×②	∑(①×②)
Indoor unit (ⓑ)	4way cassette (AM071FN4DEH✳)	4	0.45	1.80	ⓑ 3.10
	Slim duct (AM056FNLDEH✳)	2	0.35	0.70	
	Slim duct (AM045FNLDEH✳)	1	0.35	0.35	
	1way cassette (AM036FN1DEH✳)	1	0.25	0.25	

- Total amount of refrigerant (ⓐ+ⓑ) = 5.575+3.10 = 8.675 (kg)

▶ Example of refrigerant calculation for HR models

Classification	Size of liquid pipe	Length (m)	Unit amount of refrigerant (kg/m)	Amount of additional refrigerant (kg)	Total amount of additional refrigerant (kg)
		①	②	①×②	∑(①×②)
Liquid pipe (ⓐ)	Ø 6.35	15	0.02	0.3	ⓐ 11.965
	Ø 9.52	112	0.06	6.72	
	Ø 12.70	25	0.125	3.125	
	Ø 15.88	10	0.18	1.8	
	Ø 6.35 (EEV Kit ~ indoor unit)	2	0.01	0.02	

Refrigerant pipe installation

Classification	Model name of indoor unit	Number of units	Unit amount of refrigerant (kg/EA)	Amount of additional refrigerant (kg)	Total amount of additional refrigerant (kg)
		①	②	①×②	Σ(①×②)
Indoor unit (ⓑ)	4way cassette (AM071FN4DEH✳)	5	0.45	2.25	ⓑ 4.66
	4way cassette (AM112FN4DEH✳)	2	0.57	1.14	
	Neo forte (AM028FNTDEH✳)	1	0.27	0.27	
	MCU	2	0.5	1	

- Total amount of refrigerant (ⓐ+ⓑ) = 11.965+4.66 = 16.625 (kg)

Temper grade and minimum thickness of the refrigerant pipe

Outer diameter (mm)	Minimum thickness (mm)	Temper grade
Ø 6.35	0.70	Annealed
Ø 9.52	0.70	
Ø 12.70	0.80	
Ø 15.88	1.00	
Ø 19.05	0.90	Drawn
Ø 22.22	0.90	
Ø 25.40	1.00	
Ø 28.58	1.10	
Ø 31.75	1.10	
Ø 34.92	1.21	
Ø 38.10	1.35	
Ø 41.28	1.43	
Ø 44.45	1.60	
Ø 50.80	2.00	
Ø 53.98	2.10	

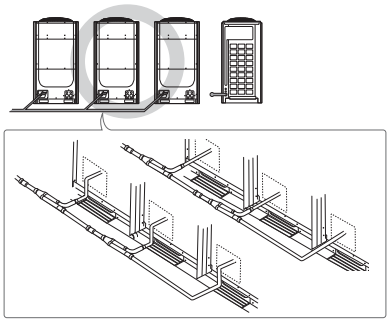
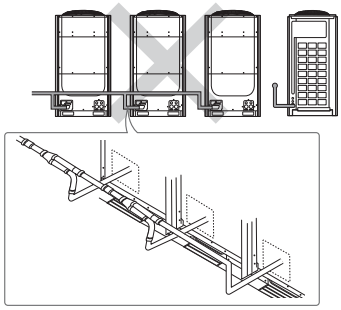
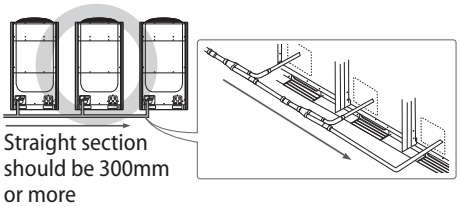
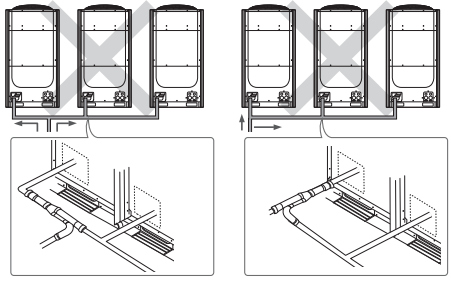
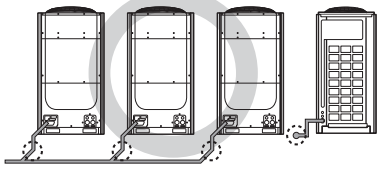
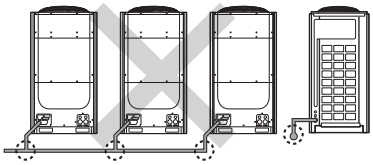
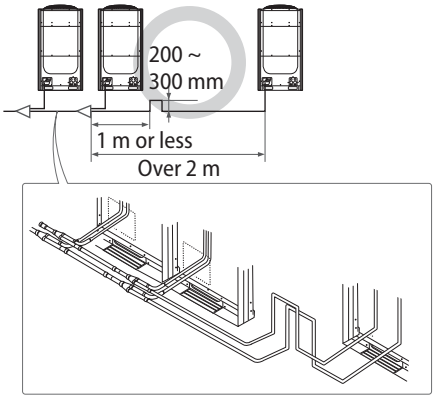
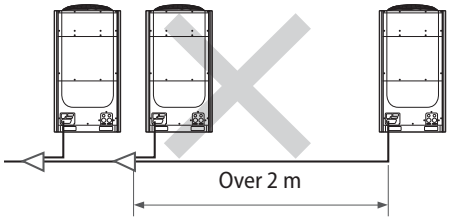
CAUTION

- For pipes larger than Ø 19.05, drawn type (C1220T-1/2H or C1220T-H) type copper pipe must be used.
  If a annealed type (C1220T-O) copper pipe is used, pipe may break due to its low pressure resistance and cause personal injury.

Refrigerant pipe installation

Pipe installation between the outdoor units

- ▶ You will need branch joints, which is an optional accessory, for connecting in between outdoor units in order to combine outdoor units in module.
  ❊ **For optimal distribution of the refrigerant, you must use Y-joint as branch joint for connecting outdoor units. (Do not use T-joint)**
- ▶ When you install the outdoor units in module, there is no restriction of installation order among outdoor units.
- ▶ Height of the connection pipe should be same or lower than the ones connected to the outdoor units.
- ▶ Check the changes in comparison with the DVM II, III and IV.

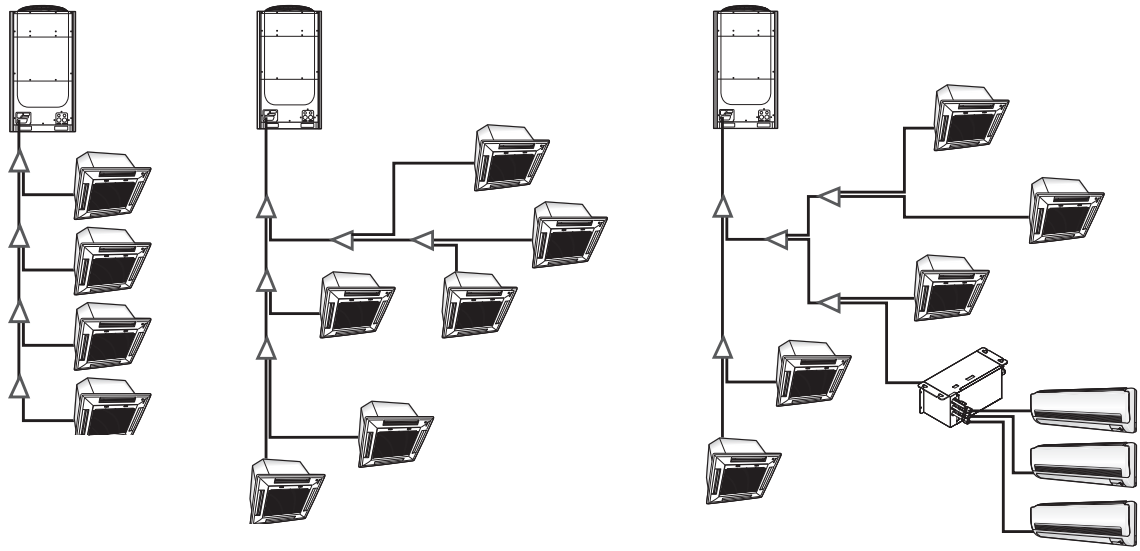
Caution	Correct installation	Incorrect installation
Refrigerant pipes should be connected at the same or lower level than the ones connected to the outdoor unit.		
Refrigerant pipes must be connected by the side of the product.		
Branch joint between outdoor units must be installed horizontally.		
When the piping length between outdoor unit and the branch joint exceeds 2m, install a vertical trap as show in the figure.		

Refrigerant pipe installation

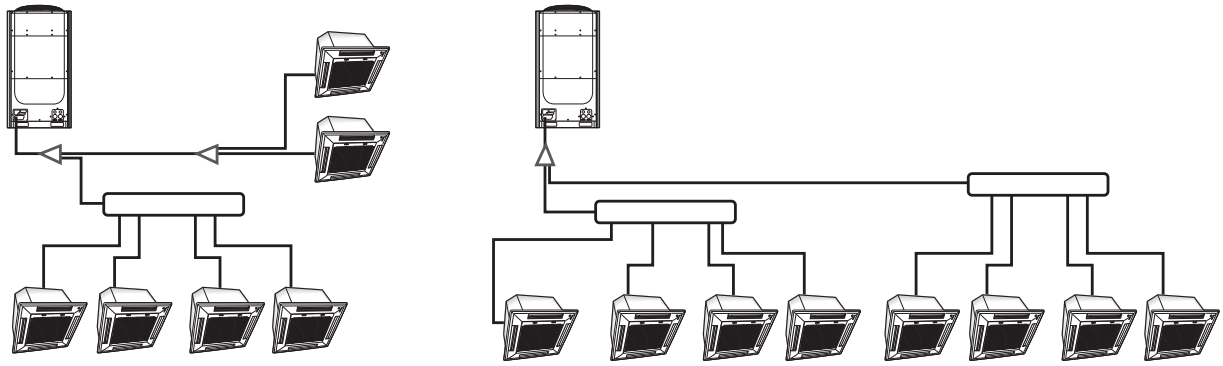
Examples of refrigerant pipe installation

H/P

1. Using Y-joint



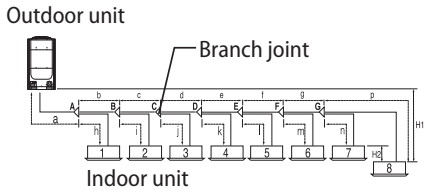
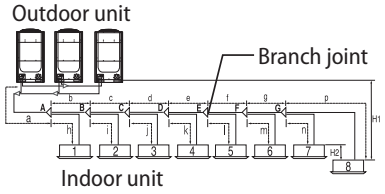
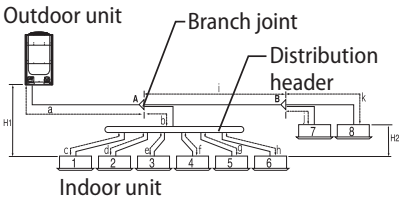
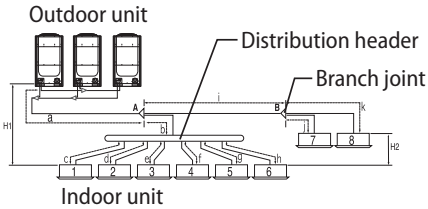
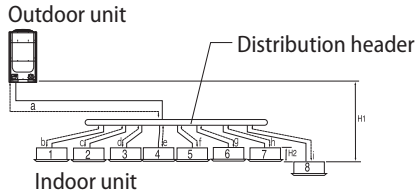
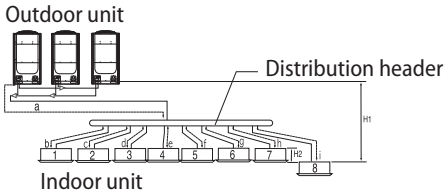
2. Using distribution header

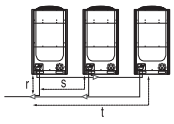


Refrigerant pipe installation

Allowable length of the refrigerant pipe and the installation examples

H/P

Classification	Single Installation	Module installation
Installing only with Y-joint		
Installing with Y-joint and distribution header		
Installing only with distribution header		

Classification				Example		Remarks
Maximum allowable length of pipe	Outdoor unit ~ Indoor unit	Actual length (Equivalent length)	200m and below (220m and below)	Installing only with Y-joint	a+b+c+d+e+f+g+p ≤ 200m(220m)	Equivalent length Y-joint: 0.5 m, Distribution header: 1 m
				Installing with Y-joint and distribution header	a+b+h ≤ 200m (220m), a+i+k ≤ 200m (220m)	
				Installing only with distribution header	a+i ≤ 200m (220m)	
		Total length of pipe (m)	1,000 m or less	Installing only with Y-joint	a+b+c+d+e+f+g+h+i+j+k+l+m+n+p ≤ 1000m	-
				Installing with Y-joint and distribution header	a+b+c+d+e+f+g+h+i+j+k ≤ 1000m	-
				Installing only with distribution header	a+b+c+d+e+f+g+h+i ≤ 1000m	-
	Outdoor unit ~ Outdoor unit (Module installation)	Pipe length	10 m or less	r ≤ 10 m, s ≤ 10 m, t ≤ 10 m		
		Equivalent length	13 m or less	r ≤ 13m, s ≤ 13m, t ≤ 13m		

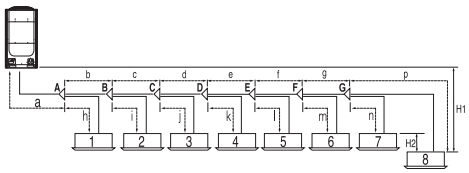
Refrigerant pipe installation

Classification				Example	Remarks
Maximum allowable height difference of pipe	Outdoor unit ~ Indoor unit	110/110m Note 2)		H1 ≤ 110/110m	
	Indoor unit ~ Indoor unit	50m or less		H2 ≤ 50m	
		But, when AM✳✳✳FNQDEH✳ / AM✳✳✳JNV✳ is installed, H2 is 15 m or less.			
Maximum allowable length after branch joint	First branch joint ~ Farthest Indoor unit	Pipe length	45 m or less	b+c+d+e+f+g+p ≤ 45m, i ≤ 45 m	-
			45 m~90 m Note 1)	Required conditions must be satisfied	Exclude H/R

EEV kit			Model name		Remarks
EEV kit ~ Indoor unit	Actual pipe length	2 m	MEV-E24SA	1 indooor	Apply to products without EEV (Wall mount & ceiling)
			MEV-E32SA		
		20 m or less	MXD-E24K132A	2 indooor	
			MXD-E24K200A		
			MXD-E32K200A		
			MXD-E24K232A	3 indooor	
			MXD-E24K300A		
			MXD-E32K224A		
			MXD-E32K300A		

✳ Please refer to the EEV Kit manual.

Note 1) Required condition

Classification	Condition	Example
First branch joint ~ Farthest Indoor unit	45m ≤ b+c+d+e+f+g+p ≤ 90m: branch pipes (b, c, d, e, f, g) size must be increased by 1 grade	
Total length of extended pipe	If the size of pipe (main pipe), between the first branch joint and the outdoor unit, is not increased by 1 grade, a+(b+c+d+e+f+g)×2 +h+i+j+k+l+m+n+p ≤ 1000 m	
	If the size of pipe (main pipe), between the first branch joint and the outdoor unit, is increased by 1 grade, (a+b+c+d+e+f+g)×2 +h+i+j+k+l+m+n+p ≤ 1000 m	
Each Y-joint ~ Each indoor unit	h, i, j, … p ≤ 45 m	
Difference between the distance of the outdoor unit to the farthest indoor unit and nearest indoor unit ≤ 45m, (a+b+c+d+e+g+p)-(a+h) ≤ 45m		

Note 2) When indoor unit is located at higher level than outdoor unit, allowable height difference is 110m,
(If the height difference is over 40m, contact your local dealer for more information.)
but when the indoor unit is located at lower level than outdoor unit, allowable height difference is 110m
(If the height difference is over 50m, need to decide whether to install PDM kit or not.)
Model name of the PDM kit : MXD-A38K2A, MXD-A12K2A, MXD-A58K2A

11 Accessory

Controller

Classification	Product	Image	Model	Remark
Integrated Management System	DMS 2.5		MIM-D01AN	-
	S-NET 3		MST-P3P	-
	PIM		MIM-B16N	Optional device for power distribution
Building Management System	BACnet Gateway		MIM-B17BN	-
	LonWorks Gateway		MIM-B18BN	-
Centralized Control System	On/Off controller		MCM-A202DN	-
	Touch controller		MCM-A300N	-
	Wi-Fi kit		MIM-H03N	
Individual Control System	Wireless remote controller		MR-EH00	-
	Wireless remote controller		AR-KH00E	360 CST
	Wired remote controller		MWR-WE10N (Multi function)	A/C+ERV
			MWR-WW00N	DVM S Hydro Unit
			MWR-VH12N	ERV
	Simplified wired remote controller		MWR-SH00N	A/C
			MWR-SH10N	A/C
Zone control System	Zone controller (Master controller+Damper controller)		MWR-ZS00N	Duct S
	Zone controller (Slave controller)		MWR-ZS10N	Duct S
	External room sensor		MRW-TS	Zone controller
DVM Chiller System	Module controller		MCM-A00N	DVM Chiller
	FCU kit	–	MIM-F00N	DVM Chiller

▶ In case you want more information about the accessories, please refer to the control and accessories TDB on pvi.samsung.com site

11 Accessory

Controller

Classification	Product	Image	Model	Remark
Others	Operation mode selection switch		MCM-C200	DVM S Series (Except HR Models)
	External room sensor		MRW-TA	Cassette, Wall-mount, Ceiling, Duct, Console
	Compatible interface module		MIM-N01	Nasa-No Nasa
	ERV interface module		MIM-N10	ERV (Nasa)
	External contact interface module		MIM-B14	Cassette, Wall-mount, Ceiling, Duct, Console, VTL
	FCU Interface module		MIM-F10N	FCU kit
	S-Converter		MIM-C02N	-
	MTFC (Multi tenant function controller)		MCM-C210N	-
	Wireless signal receiver		MRK-A10N	-

▶ In case you want more information about the accessories, please refer to the control and accessories TDB on pvi.samsung.com site

Controller & Control Accessory Compatibility

Name			NASA		Non-NASA			Remark
			Model	DVM S	Model	DVM+4	DVM+3	
Controller	Individual Control System	Wired remote controller	MWR-WE10N	O	MWR-WE10	O	O	
			MWR-WW00N	O	MWR-WW00	O	O	* Hydro Unit
		Touch Wired remote controller	MWR-SH10N	O	-	-	-	
		Simplified wired remote controller	MWR-SH00N	O	MWR-SH00	O	O	
		Wireless remote controller	MR-EH00	O	MR-DH00	O	O	
			AR-KH00E	O	-	-	-	* 360CST
	Centralized Control System	Touch controller	MCM-A300N	O	-	-	-	
		On/Off controller	MCM-A202DN	O	MCM-A202D	O	O	
	Building Management System	BAC-net Gateway	MIM-B17BN	O	MIM-B17	O	O	
		Lon Works Gateway	MIM-B18BN	O	MIM-B18	O	O	
	Integrated Management System	Wifi Kit	MIM-H03N	O	-	-	-	
		DMS 2.5	MIM-D01AN	O	MIM-D00A	O	O	
		S-NET 3	MST-P3P	O	(MST-P3P)	O	O	
		PIM	MIM-B16N	O	MIM-B16	O	O	
Control Accessory	Operation mode selection switch		MCM-C200	O	(MCM-C200)	O	O	
	External room sensor		MRW-TA	O	(MRW-TA)	O	O	
	Interface module		MIM-N01	O	(MIM-N01)	O	O	
			-	-	MIM-B13E	O	O	
			-	-	MIM-B13D	O	O	
	External contact interface module		MIM-B14	O	(MIM-B14)	O	O	
	S-Converter		MIM-C02N	O	MIM-C02	O	O	
	MTFC (Multi tenant function controller)		MCM-C210N	O	-	-	-	
	Wireless signal receiver		MRK-A10N	O	MRK-A00	O	O	* MRK-A00 (Kit)
				-	MRW-10A	O	O	MRW-10A (Wire)

▶ In case you want more information about the accessories, please refer to the control and accessories TDB on pvi.samsung.com site

11 Accessory

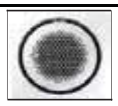
Piping

Product	Image	Model	Remark
Y-Joint		MXJ-YA1509M	15.0 kW and below
		MXJ-YA2512M	Over 15.0 kW~40.0 kW and below
		MXJ-YA2812M	Over 40.0 kW~45.0 kW and below
		MXJ-YA2815M	Over 45.0 kW~70.3 kW and below
		MXJ-YA3419M	Over 70.3 kW~98.4 kW and below
		MXJ-YA4119M	Over 98.4 kW~135.2 kW and below
		MXJ-YA4422M	Over 135.2 kW
Y-Joint (Only H/R)		MXJ-YA1500M	22.4 kW and below
		MXJ-YA2500M	Over 22.4 kW~70.3 kW and below
		MXJ-YA3100M	Over 70.3 kW~135.2 kW and below
		MXJ-YA3800M	Over 135.2 kW
Y-Joint Outdoor unit		MXJ-TA3419M	135.2 kW and below
		MXJ-TA4122M	140.2 kW and Over
Y-Joint (Only H/R) Outdoor unit		MXJ-TA3100M	135.2 kW and below
		MXJ-TA3800M	140.2 kW and Over
Distribution Header		MXJ-HA2512M	45.0 kW and below (for 4 rooms)
		MXJ-HA3115M	70.3 kW and below (for 8 rooms)
		MXJ-HA3819M	Over 70.3 kW~135.2 kW and below(for 8 rooms)
MCU		MCU-S6NEE1N	~56kW, ~6 indoor units
		MCU-S4NEE1N	~56kW, ~4 indoor units
		MCU-S4NEE2N	~56kW, ~6 indoor units
		MCU-S2NEK1N	~28kW, ~2 indoor units
EEV KIT		MEV-E24SA	1 Indoor
		MEV-E32SA	
		MXD-E24K132A	2 Indoor
		MXD-E24K200A	
		MXD-E32K200A	
		MXD-E24K232A	3 Indoor
		MXD-E24K300A	
		MXD-E32K224A	
		MXD-E32K300A	
PDM KIT		MXD-A38K2A	8~12HP
		MXD-A12K2A	14~16HP
		MXD-A58K2A	18~26HP

▶ In case you want more information the accessories, please refer to the control and accessories TDB on pvi.samsung.com site

11 Accessory

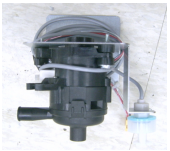
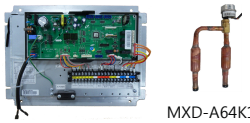
Indoor

Product	Image	Model	Remark
Panel		PC1NUSMAN	Slim 1Way Cassette
		PC1NUPMAN	Slim 1Way Cassette (Z-sliding)
		PC1MWSKAN	1Way Cassette (1.7 kW, 2.2 kW)
		PC2NUSMEN	2Way cassette
		PC4SUSMAN	4Way Cassette S(600x600) (Waffle)
		PC4SUSMEN	4Way Cassette S(600x600) (Classic)
		PC4NUSKAN	4 Way cassette S (Waffle)
		PC4NUSKEN	4 Way cassette S (Classic)
		PC4NBSKAN	4 Way cassette S (Waffle, Black)
		PC4NUDMAN	360 CST Square (White)
		PC4NUNMAN	360 CST Circular (White)
		PC4NBDMAN	360 CST Square (Black)
		PC4NBNMAN	360 CST Circular (Black)

▶ In case you want more information about the accessories, please refer to the control and accessories TDB on pvi.samsung.com site

11 Accessory

Indoor

Product	Image	Model	Remark
S-Plasma Ion KIT		MSD-CAN1	[Option] 1Way, 4Way, 4Way(600x600), 360, Big Ceiling [Included] Console
		MSD-EAN1	[Option] Duct S, Big Duct, ERV, ERV Plus
Motion detect Sensor		MCR-SMA	4Way Cassette S (600x600)
ERV CO2 Sensor		MOS-C1	ERV, ERV PLUS
External room sensor		MRW-TA	Cassette, Wall-mount, Ceiling, Duct, Console
Drain Pump		MDP-N047SNC0D	OAP Duct (14.0 kW)
		MDP-N047SNC1D	HSP Duct (22.0 / 28.0 kW) OAP Duct (22.4 / 28.0 kW)
		MDP-M075SGU1D	MSP Duct (9.0 / 11.2 kW)
		MDP-M075SGU2D	MSP Duct (12.8 / 14.0 kW) HSP Duct (11.2 / 12.8 / 14.0 kW)
		MDP-M075SGU3D	MSP Duct (5.6 / 7.1 kW)
		MDP-E075SEE3D	Slim Duct (2.0~14.0 kW)
		MDP-G075SP	Duct S (External, All Capacities)
		MDP-G075SQ	Duct S (Internal, 3.5 kW~14 kW)
AHU KIT		MXD-K025AN	7.0kW~8.75kW
		MXD-K050AN	14.0kW~17.5kW
		MXD-K075AN	21.0kW~26.25kW
		MXD-K100AN	28.0kW~35.0kW
	 MXD-A64K100E	MCM-D201N	28kW~35kW: MXD-A64K100E X 1 EA 56kW~70kW: MXD-A64K100E X 2 EA 84kW~105kW: MXD-A64K100E X 3 EA 112kW~140kW: MXD-A64K100E X 4 EA

▶ In case you want more information about the accessories, please refer to the control and accessories TDB on pvi.samsung.com site

Indoor & Indoor Accessory Compatibility

Product	Model	Remark	1way			2way	4way	360	Mini 4way	Slim duct	MSP Duct				Duct-S	Big Duct	Fresh		RAC	Ceiling	B-Ceiling	Console	PAC	Floor Standing	ERV Plus	AHU
			JSF-0	JSF-1	JSF-2						MSP-S	MSP-0	MSP-1	MSP-2			5HP	8,10HP								
Panel	PC4NUDMAN	Ceiling						○																		
	PC4NBDMAN	Ceiling (Black)						○																		
	PC4NUNMAN	Open						○																		
	PC4NBNMAN	Open (Black)						○																		
	PC4NUSKAN	Waffle					○																			
	PC4NBSKAN	Waffle (Black)					○																			
	PC4NUSKEN	Classic					○																			
	PC4SUSMAN	Waffle							○																	
	PC4SUSMEN	Classic							○																	
	PC1NUSMAN	Stripe		○																						
	PC1NUPMAN	Z-Slide		○																						
	PC1MWSKAN	Fluid	○																							
	PC1NWSMAN			○																						
	PC1BWSMAN				○																					
	PC2NUSMEN	Stripe				○																				
DRAIN PUMP	MDP-N047SNC0D	-															○									
	MDP-N047SNC1D	-																○								
	MDP-M075SGU1D	-										○	○													
	MDP-M075SGU2D	-												○												
	MDP-M075SGU3D	-									○															
	MDP-E075SEE3D	-								○																
	MDP-G075SP	External, All Capacities													○											
	MDP-G075SQ	Internal													○											
S-Plasma Ion KIT	MSD-CAN1	-					○	○	○																	
	MSD-EAN1	-																							○	
Motion detect Sensor	MCR-SMA	-							○																	
ERV CO2 Sensor	MOS-C1	-																							○	
EEV KITS	MEV-E**SA	1 Indoor																	○							
	MXD-E**K***A	2,3 Indoor																	○							
MCU-KIT	MCU-S6NEE1N	Below 6 IDU, Below 56 kW	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
	MCU-S4NEE1N	Below 4 IDU, Below 56 kW	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
	MCU-S4NEE2N	Below 2 Large Capa IDU, Below 56 kW	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
	MCU-S2NEK1N	Below 2 IDU, below 28 kW	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
AHU-KIT	MXD-K025AN	only for 2.5Hp's AHU																								○
	MXD-K050AN	only for 5Hp's AHU																								○
	MXD-K075AN	only for 7.5Hp's AHU																								○
	MXD-K100AN	only for 10Hp's AHU																								○
	MCM-D201N	only for 10~40Hp's AHU																								○

▶ In case you want more information about the accessories, please refer to the control and accessories TDB on pvi.samsung.com site

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