SAMSUNG

VRF

Technical Data Book

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

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

History

Version	Modification	Date	Remark
Ver. 1.0	Release DVM S 30 HP High EER TDB for Europe (R410A, 50 Hz, HP)	15.12.30	
Ver. 1.1	Add Sound Pressure Spec for Modules (At cooling mode / P.15 to 58)	16.01.06	
Ver. 1.2	Modify Electric Diagram Mapping (For AM160KXVGGH** Model/P.65 to 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	
Ver. 2.01	Modify the Accessory Compatibility table for MCU kit(P163)	17.09.13	

Nomenclature

Outdoor Unit

Model Name

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) Feature 1

V	Inverter
M	DVM S Eco

(6) Feature 2

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's 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 accomodates all variable environments, including large commercial or residential buildings.

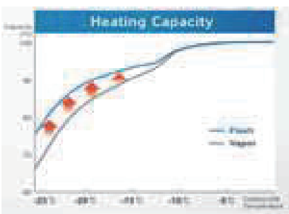
Samsung DVM S offers innovative features to benefit the indoor comfort as well operational coasts of the system through technological advances such as:

The world's largest capacity

Capacities of the outdoor units offer up to 30 HP rooftop space savings as well as lowering the installations and transportation costs.

High seasonal energy efficiency

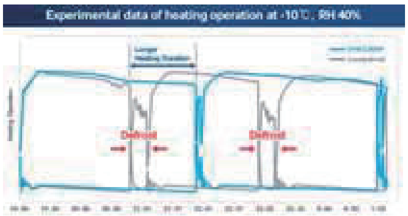
Samsung DVM S adopts a dual inverter scroll compressor that upgrades refrigerant flow and the motor's operating performance. It makes ESEER of DVM S is up to 8.00.



Superior Heating Performance & Wide Operating Temperature Range with Flash injection

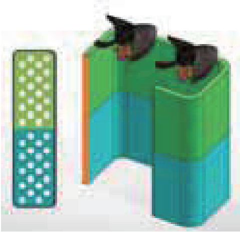
Increase refrigerant flow by 32%, extend heating operation range at -25°C, thanks to Flash Injection technology, extended compressor reliability range and control compression ratio.

Features & Benefits



Intelligent Defrosting Logic

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

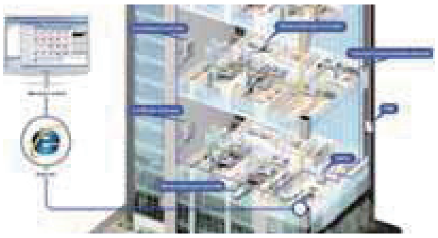


Optimised Heat Exchanger

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 220 m, and units will still give a great performance over wide areas. With this technology, installation is available with a maximum height level of 110 m, which is equivalent to 20 stories (each story is considered 5 m 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.

Contents

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

NOTE

- 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.
  $0.5 \times \Sigma$ (Outdoor unit capacity) $\leq$ Total capacity of the connected indoor units $\leq 1.3 \times \Sigma$ (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 90 HP, 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	AM300KXVGGH2EU	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		

NOTE

- 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. $0.5 \times \Sigma$ (Outdoor unit capacity) $\leq$ Total capacity of the connected indoor units $\leq 1.3 \times \Sigma$ (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 90 HP, 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

NOTE

- 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. $0.5 \times \Sigma$ (Outdoor unit capacity) $\leq$ Total capacity of the connected indoor units $\leq 1.3 \times \Sigma$ (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 90 HP, please consult the manufacturer when connecting the indoor unit and deciding on piping length in accordance with design of the building.

1. Combination Table: 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
1Way CST	JSF-0																
	JSF-1																
	JSF-2																
2Way CST																	
4Way CST																	
360 CST																	
Floor Standing Unit																	
4Way CST S (600X600)																	
Duct S (MSP)																	
Slim Duct																	
MSP Duct																	
Ceiling																	
Console																	
Boracay																	
Boracay (with EEV)																	
AR5000																	
AR5000 (with EEV)																	

1. Combination Table: 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
HSP Duct																
OAP Duct																
Big Duct																
Hydro Unit HE																
Hydro Unit HT																
ERV Plus																

NOTE

- 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.
  $0.5 \times \Sigma$ (Outdoor unit capacity) ≤ Total capacity of the connected indoor units ≤ $1.3 \times \Sigma$ (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.

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				

2. Specifications

Premium Compact

Type				DVM S	DVM S	DVM S
Model Name				AM080JXVHGH/EU	AM100JXVHGH/EU	AM120JXVHGH/EU
	Outdoor unit module 1			-	-	-
	Outdoor unit module 2			-	-	-
	Outdoor unit module 3			-	-	-
	Outdoor unit module 4			-	-	-
Power Supply			Ø, #, V, Hz	3, 4, 380-415, 50	3, 4, 380-415, 50	3, 4, 380-415, 50
Mode			-	HEAT PUMP	HEAT PUMP	HEAT PUMP
Perfor-mance	HP		HP	8	10	12
	Capacity (Nominal)	Cooling	kW	22.4	28.0	33.6
			Btu/h	76,400	95,500	114,600
		Heating	kW	25.2	31.5	37.8
			Btu/h	86,000	107,500	129,000
Maximum number of connectable indoor units			EA	14	18	21
Total capacity of the connected Indoor Units		Min.	kW	11.2	14.0	16.8
Total capacity of the connected Indoor Units		Max.	kW	29.1	36.4	43.7
Power	Power Input (Nominal)	Cooling	kW	4.59	6.22	7.57
		Heating	kW	4.59	5.89	7.56
	Current Input (Nominal)	Cooling	A	7.40	10.00	12.10
		Heating	A	7.40	9.40	12.10
	Current	Minimum Ssc	MVA	3.1	4.6	5.3
		MCA	A	18.0	21.1	25.0
		MFA	A	25	32	32
Efficiency	EER (Nominal)	Cooling	W/W	4.88	4.50	4.44
	COP (Nominal)	Heating	W/W	5.49	5.35	5.00
	ESEER		W/W	8.00	7.43	7.23
Casing	Material	Body	-	EGI Steel Plate	EGI Steel Plate	EGI Steel Plate
		Base	-	EGI Steel Plate	EGI Steel Plate	EGI Steel Plate
Heat Exchanger	Type		-	Fin & Tube	Fin & Tube	Fin & Tube
	Material	Fin	-	Al	Al	Al
		Tube	-	Cu	Cu	Cu
	Fin Treatment		-	Anti-corrosion	Anti-corrosion	Anti-corrosion
Compressor	Model Name		-	DS-GB052FAVBSG x 1	DS-GB066FAVBSG x 1	DS-GB066FAVBSG x 1
	Output		kW x n	5.18 x 1	6.39 x 1	6.39 x 1
	Oil	Type	-	PVE	PVE	PVE
		Initial charge	cc x n	1,100 x 1	1,100 x 1	1,100 x 1
Fan	Type		-	Propeller	Propeller	Propeller
	Discharge direction		-	Top	Top	Top
	Quantity		EA	1	1	1
	Air Flow Rate		m^5/min	170	170	220
			l/s	2,833	2,833	3,667
	External Static Pressure	Max.	mmAq	8	8	8
			Pa	78.45	78.45	78.45
Fan Motor	Type		-	BLDC Motor	BLDC Motor	BLDC Motor
	Output		W x n	830 x 1	830 x 1	830 x 1
Piping Connections	Liquid Pipe		Type	Braze connection	Braze connection	Braze connection
			Φ, mm (inch)	9.52 (3/8)	9.52 (3/8)	12.70 (1/2)
	Gas Pipe		Type	Braze connection	Braze connection	Braze connection
			Φ, mm (inch)	19.05 (3/4)	22.22 (7/8)	28.58 (1-1/8)
	High pressure Gas Pipe(HR Only)		Type	-	-	-
			Φ, mm (inch)	-	-	-
	Heat Insulation		-	Both liquid and gas pipes	Both liquid and gas pipes	Both liquid and gas pipes
	Piping length (ODU-IDU)	Max. [Equiv.]	m	200 [220]	200 [220]	200 [220]
	Piping length (1st Branch-IDU)	Max.	m	90	90	90
	Total piping length (System)	Max.	m	1,000	1,000	1,000
	Level difference (ODU in highest position)	Max.	m	110	110	110
	Level difference (IDU in highest position)	Max.	m	110	110	110
	Level difference (IDU-IDU)	Max.	m	50	50	50

2. Specifications

Wiring connections	Transmission Cable		mm^2	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	6.5	6.5	6.5
Sound	Sound Pressure	Cooling	dB(A)	57	58	62
	Sound Pressure	Heating	dB(A)	59	60	64
	Sound Power		dB(A)	77	79	81
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		°C	-5 ~ 48	-5 ~ 48	-5 ~ 48
	Heating		°C	-25 ~ 24	-25 ~ 24	-25 ~ 24

NOTE

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

1) Nominal capacities are based on (Equivalent refrigerant piping 7.5m, Level differences 0m);
   - Cooling : Indoor temperature 27°C DB, 19°C WB / Outdoor temperature 35°C DB, 24°C WB
   - Heating : Indoor temperature 20°C DB, 15°C WB / Outdoor temperature 7°C DB, 6°C WB
2) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
3) 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
4) These products contain R410A which is fluorinated greenhouse gas.
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

Premium Compact

				DVM S	DVM S	DVM S
Type				DVM S	DVM S	DVM S
Model Name				AM140KXVGGH/EU	AM160KXVGGH/EU	AM180KXVGGH/EU
	Outdoor unit module 1			-	-	-
	Outdoor unit module 2			-	-	-
	Outdoor unit module 3			-	-	-
	Outdoor unit module 4			-	-	-
Power Supply			Ø, #, V, Hz	3, 4, 380-415, 50	3, 4, 380-415, 50	3, 4, 380-415, 50
Mode			-	HEAT PUMP	HEAT PUMP	HEAT PUMP
Perfor-mance	HP		HP	14	16	18
	Capacity (Nominal)	Cooling	kW	40.0	45.0	50.4
			Btu/h	136,500	153,500	172,000
		Heating	kW	45.0	50.4	56.7
			Btu/h	153,500	172,000	193,500
Maximum number of connectable indoor units			EA	26	29	32
Total capacity of the connected Indoor Units		Min.	kW	20.0	22.5	25.2
Total capacity of the connected Indoor Units		Max.	kW	52.0	58.5	65.5
Power	Power Input (Nominal)	Cooling	kW	8.89	10.92	10.68
		Heating	kW	9.62	10.75	10.52
	Current Input (Nominal)	Cooling	A	14.30	17.50	17.10
		Heating	A	15.40	17.20	16.90
	Current	Minimum Ssc	MVA	5.4	7.2	8.8
		MCA	A	25.0	32.0	39.2
		MFA	A	32	40	50
Efficiency	EER (Nominal)	Cooling	W/W	4.50	4.12	4.72
	COP (Nominal)	Heating	W/W	4.68	4.69	5.39
	ESEER		W/W	7.78	7.38	7.25
Casing	Material	Body	-	EGI Steel Plate	EGI Steel Plate	EGI Steel Plate
		Base	-	EGI Steel Plate	EGI Steel Plate	EGI Steel Plate
Heat Exchanger	Type		-	Fin & Tube	Fin & Tube	Fin & Tube
	Material	Fin	-	Al	Al	Al
		Tube	-	Cu	Cu	Cu
	Fin Treatment		-	Anti-corrosion	Anti-corrosion	Anti-corrosion
Compressor	Model Name		-	DS-GB066FAVB x 1	DS4GJ5080FVA x 1	DS-GB066FAVB x 2
	Output		kW x n	6.39 x 1	7.81 x 1	6.39 x 2
	Oil	Type	-	PVE	PVE	PVE
		Initial charge	cc x n	1,100 x 1	1,400 x 1	1,100 x 2
Fan	Type		-	Propeller	Propeller	Propeller
	Discharge direction		-	Top	Top	Top
	Quantity		EA	2	2	2
	Air Flow Rate		m^5/min	255	255	290
			l/s	4,250	4,250	4,833
	External Static Pressure	Max.	mmAq	8	8	8
			Pa	78.45	78.45	78.45
Fan Motor	Type		-	BLDC Motor	BLDC Motor	BLDC Motor
	Output		W x n	620 x 2	620 x 2	620 x 2
Piping Connections	Liquid Pipe		Type	Braze connection	Braze connection	Braze connection
			Φ, mm (inch)	12.70 (1/2)	12.70 (1/2)	15.88 (5/8)
	Gas Pipe		Type	Braze connection	Braze connection	Braze connection
			Φ, mm (inch)	28.58 (1-1/8)	28.58 (1-1/8)	28.58 (1-1/8)
	High pressure Gas Pipe(HR Only)		Type	-	-	-
			Φ, mm (inch)	-	-	-
	Heat Insulation		-	Both liquid and gas pipes	Both liquid and gas pipes	Both liquid and gas pipes
	Piping length (ODU-IDU)	Max. [Equiv.]	m	200 [220]	200 [220]	200 [220]
	Piping length (1st Branch-IDU)	Max.	m	90	90	90
	Total piping length (System)	Max.	m	1,000	1,000	1,000
	Level difference (ODU in highest position)	Max.	m	110	110	110
	Level difference (IDU in highest position)	Max.	m	110	110	110
	Level difference (IDU-IDU)	Max.	m	50	50	50

2. Specifications

Wiring connections	Transmission Cable		mm^2	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	9.4	8.4	8.4
Sound	Sound Pressure	Cooling	dB(A)	61	63	65
	Sound Pressure	Heating	dB(A)	63	65	67
	Sound Power		dB(A)	81	83	89
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		°C	-5 ~ 48	-5 ~ 48	-5 ~ 48
	Heating		°C	-25 ~ 24	-25 ~ 24	-25 ~ 24

NOTE

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

1) Nominal capacities are based on (Equivalent refrigerant piping 7.5m, Level differences 0m);
   - Cooling : Indoor temperature 27°C DB, 19°C WB / Outdoor temperature 35°C DB, 24°C WB
   - Heating : Indoor temperature 20°C DB, 15°C WB / Outdoor temperature 7°C DB, 6°C WB
2) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
3) 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
4) These products contain R410A which is fluorinated greenhouse gas.
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

Premium Compact

Type				DVM S	DVM S	DVM S
Model Name				AM200KXVGGH/EU	AM220KXVGGH/EU	AM240KXVGGH/EU
	Outdoor unit module 1			-	-	-
	Outdoor unit module 2			-	-	-
	Outdoor unit module 3			-	-	-
	Outdoor unit module 4			-	-	-
Power Supply			Ø, #, V, Hz	3, 4, 380-415, 50	3, 4, 380-415, 50	3, 4, 380-415, 50
Mode			-	HEAT PUMP	HEAT PUMP	HEAT PUMP
Perfor-mance	HP		HP	20	22	24
	Capacity (Nominal)	Cooling	kW	56.0	61.6	67.2
			Btu/h	191,100	210,200	229,300
		Heating	kW	63.0	69.3	75.6
			Btu/h	215,000	236,500	258,000
Maximum number of connectable indoor units			EA	36	40	43
Total capacity of the connected Indoor Units		Min.	kW	28.0	30.8	33.6
Total capacity of the connected Indoor Units		Max.	kW	72.8	80.1	87.4
Power	Power Input (Nominal)	Cooling	kW	12.50	15.75	16.00
		Heating	kW	12.75	15.86	15.43
	Current Input (Nominal)	Cooling	A	20.00	25.30	25.70
		Heating	A	20.50	25.40	24.70
	Current	Minimum Ssc	MVA	8.1	8.6	12.5
		MCA	A	42.0	44.6	55.0
		MFA	A	63	63	63
Efficiency	EER (Nominal)	Cooling	W/W	4.48	3.91	4.20
	COP (Nominal)	Heating	W/W	4.94	4.37	4.90
	ESEER		W/W	6.82	6.43	7.18
Casing	Material	Body	-	EGI Steel Plate	EGI Steel Plate	EGI Steel Plate
		Base	-	EGI Steel Plate	EGI Steel Plate	EGI Steel Plate
Heat Exchanger	Type		-	Fin & Tube	Fin & Tube	Fin & Tube
	Material	Fin	-	Al	Al	Al
		Tube	-	Cu	Cu	Cu
	Fin Treatment		-	Anti-corrosion	Anti-corrosion	Anti-corrosion
Compressor	Model Name		-	DS-GB066FAVB x 2	DS-GB066FAVB x 2	DS-GB070FAVA x 2
	Output		kW x n	6.39 x 2	6.39 x 2	6.76 x 2
	Oil	Type	-	PVE	PVE	PVE
		Initial charge	cc x n	1,100 x 2	1,100 x 2	1,100 x 2
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	4,833	5,667
	External Static Pressure	Max.	mmAq	8	8	8
			Pa	78.45	78.45	78.45
Fan Motor	Type		-	BLDC Motor	BLDC Motor	BLDC Motor
	Output		W x n	620 x 2	620 x 2	620 x 2
Piping Connections	Liquid Pipe		Type	Braze connection	Braze connection	Braze connection
			Φ, mm (inch)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)
	Gas Pipe		Type	Braze connection	Braze connection	Braze connection
			Φ, mm (inch)	28.58 (1-1/8)	28.58 (1-1/8)	34.92 (1-3/8)
	High pressure Gas Pipe(HR Only)		Type	-	-	-
			Φ, mm (inch)	-	-	-
	Heat Insulation		-	Both liquid and gas pipes	Both liquid and gas pipes	Both liquid and gas pipes
	Piping length (ODU-IDU)	Max. [Equiv.]	m	200 [220]	200 [220]	200 [220]
	Piping length (1st Branch-IDU)	Max.	m	90	90	90
	Total piping length (System)	Max.	m	1,000	1,000	1,000
	Level difference (ODU in highest position)	Max.	m	110	110	110
	Level difference (IDU in highest position)	Max.	m	110	110	110
	Level difference (IDU-IDU)	Max.	m	50	50	50

2. Specifications

Wiring connections	Transmission Cable		mm^2	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	14.0
Sound	Sound Pressure	Cooling	dB(A)	65	65	69
	Sound Pressure	Heating	dB(A)	67	67	71
	Sound Power		dB(A)	89	89	90
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		°C	-5 ~ 48	-5 ~ 48	-5 ~ 48
	Heating		°C	-25 ~ 24	-25 ~ 24	-25 ~ 24

NOTE

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

1) Nominal capacities are based on (Equivalent refrigerant piping 7.5m, Level differences 0m);
   - Cooling : Indoor temperature 27°C DB, 19°C WB / Outdoor temperature 35°C DB, 24°C WB
   - Heating : Indoor temperature 20°C DB, 15°C WB / Outdoor temperature 7°C DB, 6°C WB
2) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
3) 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
4) These products contain R410A which is fluorinated greenhouse gas.
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

Premium Compact

Type				DVM S	DVM S	DVM S
Model Name				AM260KXVGGH/EU	AM280KXVGGH/EU	AM300KXVAGH/EU
	Outdoor unit module 1			-	-	-
	Outdoor unit module 2			-	-	-
	Outdoor unit module 3			-	-	-
	Outdoor unit module 4			-	-	-
Power Supply			Ø, #, V, Hz	3, 4, 380-415, 50	3, 4, 380-415, 50	3, 4, 380-415, 50
Mode			-	HEAT PUMP	HEAT PUMP	HEAT PUMP
Perfor-mance	HP		HP	26	28	30
	Capacity (Nominal)	Cooling	kW	72.8	78.6	84.0
			Btu/h	248,400	268,200	286,600
		Heating	kW	81.9	88.2	94.5
			Btu/h	279,500	301,000	322,400
Maximum number of connectable indoor units			EA	47	51	54
Total capacity of the connected Indoor Units		Min.	kW	36.4	39.3	42.0
Total capacity of the connected Indoor Units		Max.	kW	94.6	102.2	109.2
Power	Power Input (Nominal)	Cooling	kW	17.33	19.65	22.70
		Heating	kW	17.06	18.77	20.59
	Current Input (Nominal)	Cooling	A	27.80	31.50	36.40
		Heating	A	27.40	30.10	33.00
	Current	Minimum Ssc	MVA	12.2	13.6	14.8
		MCA	A	60.0	67.0	73.0
		MFA	A	75	75	80
Efficiency	EER (Nominal)	Cooling	W/W	4.20	4.00	3.70
	COP (Nominal)	Heating	W/W	4.80	4.70	4.59
	ESEER		W/W	7.17	6.86	6.65
Casing	Material	Body	-	EGI Steel Plate	EGI Steel Plate	EGI Steel Plate
		Base	-	EGI Steel Plate	EGI Steel Plate	EGI Steel Plate
Heat Exchanger	Type		-	Fin & Tube	Fin & Tube	Fin & Tube
	Material	Fin	-	Al	Al	Al
		Tube	-	Cu	Cu	Cu
	Fin Treatment		-	Anti-corrosion	Anti-corrosion	Anti-corrosion
Compressor	Model Name		-	DS4GJ5080FVA x 2	DS4GJ5080FVA x 2	DS4GJ5080FVA x 2
	Output		kW x n	7.81 x 2	7.81 x 2	7.81 x 2
	Oil	Type	-	PVE	PVE	PVE
		Initial charge	cc x n	1,400 x 2	1,400 x 2	1,400 x 2
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	5,667	5,667	5,667
	External Static Pressure	Max.	mmAq	8	8	8
			Pa	78.45	78.45	78.45
Fan Motor	Type		-	BLDC Motor	BLDC Motor	BLDC Motor
	Output		W x n	620 x 2	620 x 2	620 x 2
Piping Connections	Liquid Pipe		Type	Braze connection	Braze connection	Braze connection
			Φ, mm (inch)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)
	Gas Pipe		Type	Braze connection	Braze connection	Braze connection
			Φ, mm (inch)	34.92 (1-3/8)	34.92 (1-3/8)	34.92 (1-3/8)
	High pressure Gas Pipe(HR Only)		Type	-	-	-
			Φ, mm (inch)	-	-	-
	Heat Insulation		-	Both liquid and gas pipes	Both liquid and gas pipes	Both liquid and gas pipes
	Piping length (ODU-IDU)	Max. [Equiv.]	m	200 [220]	200 [220]	200 [220]
	Piping length (1st Branch-IDU)	Max.	m	90	90	90
	Total piping length (System)	Max.	m	1,000	1,000	1,000
	Level difference (ODU in highest position)	Max.	m	110	110	110
	Level difference (IDU in highest position)	Max.	m	110	110	110
	Level difference (IDU-IDU)	Max.	m	50	50	50

2. Specifications

Wiring connections	Transmission Cable		mm^2	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	14.0	14.0	14.0
Sound	Sound Pressure	Cooling	dB(A)	69	69	69
	Sound Pressure	Heating	dB(A)	71	71	71
	Sound Power		dB(A)	90	90	90
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		°C	-5 ~ 48	-5 ~ 48	-5 ~ 48
	Heating		°C	-25 ~ 24	-25 ~ 24	-25 ~ 24

NOTE

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

1) Nominal capacities are based on (Equivalent refrigerant piping 7.5m, Level differences 0m);
   - Cooling : Indoor temperature 27°C DB, 19°C WB / Outdoor temperature 35°C DB, 24°C WB
   - Heating : Indoor temperature 20°C DB, 15°C WB / Outdoor temperature 7°C DB, 6°C WB
2) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
3) 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
4) These products contain R410A which is fluorinated greenhouse gas.
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

Premium Compact

				DVM S	DVM S	DVM S
Type				DVM S	DVM S	DVM S
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			Ø, #, V, Hz	3, 4, 380-415, 50	3, 4, 380-415, 50	3, 4, 380-415, 50
Mode			-	HEAT PUMP	HEAT PUMP	HEAT PUMP
Perfor-mance	HP		HP	32	34	36
	Capacity (Nominal)	Cooling	kW	89.6	95.2	101.6
			Btu/h	305,700	324,800	346,700
		Heating	kW	100.8	107.1	114.3
			Btu/h	343,900	365,400	390,000
Maximum number of connectable indoor units			EA	58	61	64
Total capacity of the connected Indoor Units		Min.	kW	44.8	47.6	50.8
Total capacity of the connected Indoor Units		Max.	kW	116.5	123.8	132.1
Power	Power Input (Nominal)	Cooling	kW	20.07	23.32	24.64
		Heating	kW	20.31	23.42	25.48
	Current Input (Nominal)	Cooling	A	32.10	37.40	39.60
		Heating	A	32.60	37.50	40.80
	Current	Minimum Ssc	MVA	13.4	13.9	14
		MCA	A	67	69.6	69.6
		MFA	A	80	80	80
Efficiency	EER (Nominal)	Cooling	W/W	4.46	4.08	4.12
	COP (Nominal)	Heating	W/W	4.96	4.57	4.49
	ESEER		W/W	6.97	6.71	6.96
Casing	Material	Body	-	EGI Steel Plate	EGI Steel Plate	EGI Steel Plate
		Base	-	EGI Steel Plate	EGI Steel Plate	EGI Steel Plate
Heat Exchanger	Type		-	Fin & Tube	Fin & Tube	Fin & Tube
	Material	Fin	-	Al	Al	Al
		Tube	-	Cu	Cu	Cu
	Fin Treatment		-	Anti-corrosion	Anti-corrosion	Anti-corrosion
Compressor	Model Name		-	DS-GB066FAVB x 2 + DSGB066FAVBSG x 1	DS-GB066FAVB x 2 + DSGB066FAVBSG x 1	DS-GB066FAVB x 3
	Output		kW x n	(6.39 x 1) x 1 + (6.39 x 2) x 1	(6.39 x 1) x 1 + (6.39 x 2) x 1	(6.39 x 1) x 1 + (6.39 x 2) x 1
	Oil	Type	-	PVE	PVE	PVE
		Initial charge	cc x n	(1,100 x 1) x 1 + (1,100 x 2) x 1	(1,100 x 1) x 1 + (1,100 x 2) x 1	(1,100 x 1) x 1 + (1,100 x 2) x 1
Fan	Type		-	Propeller	Propeller	Propeller
	Discharge direction		-	Top	Top	Top
	Quantity		EA	3	3	4
	Air Flow Rate		m³/min	220 x 1 + 290 x 1	220 x 1 + 290 x 1	255 x 1 + 290 x 1
			l/s	3,667 x 1 + 4,833 x 1	3,667 x 1 + 4,833 x 1	4,250 x 1 + 4,833 x 1
	External Static Pressure	Max.	mmAq	8	8	8
			Pa	78.45	78.45	78.45
Fan Motor	Type		-	BLDC Motor	BLDC Motor	BLDC Motor
	Output		W x n	(830 x 1) x 1 + (620 x 2) x 1	(830 x 1) x 1 + (620 x 2) x 1	(620 x 2) x 2
Piping Connections	Liquid Pipe		Type	Braze connection	Braze connection	Braze connection
			Φ, mm (inch)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)
	Gas Pipe		Type	Braze connection	Braze connection	Braze connection
			Φ, mm (inch)	34.92 (1-3/8)	34.92 (1-3/8)	41.28 (1-5/8)
	High pressure Gas Pipe(HR Only)		Type	-	-	-
			Φ, mm (inch)	-	-	-
	Heat Insulation		-	Both liquid and gas pipes	Both liquid and gas pipes	Both liquid and gas pipes
	Piping length (ODU-IDU)	Max. [Equiv.]	m	200 [220]	200 [220]	200 [220]
	Piping length (1st Branch-IDU)	Max.	m	90	90	90
	Total piping length (System)	Max.	m	1,000	1,000	1,000
	Level difference (ODU in highest position)	Max.	m	110	110	110
	Level difference (IDU in highest position)	Max.	m	110	110	110
	Level difference (IDU-IDU)	Max.	m	50	50	50

2. Specifications

Wiring connections	Transmission Cable		mm^2	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	6.5 x 1 + 8.4 x 1	6.5 x 1 + 8.4 x 1	9.4 x 1 + 8.4 x 1
Sound	Sound Pressure	Cooling	dB(A)	67	67	66
	Sound Pressure	Heating	dB(A)	69	69	68
	Sound Power		dB(A)	90	90	90
External Dimension	Net Weight		kg	195.5 x 1 + 285.0 x 1	195.5 x 1 + 285.0 x 1	241.0 x 1 + 285.0 x 1
	Shipping Weight		kg	211.5 x 1 + 305.0 x 1	211.5 x 1 + 305.0 x 1	261.0 x 1 + 305.0 x 1
	Net Dimensions (WxHxD)		mm	(880 x 1,695 x 765) x 1 + (1,295 x 1,695 x 765) x 1	(880 x 1,695 x 765) x 1 + (1,295 x 1,695 x 765) x 1	(1,295 x 1,695 x 765) x 2
	Shipping Dimensions (WxHxD)		mm	(948 x 1,887 x 832) x 1 + (1,363 x 1,887 x 832) x 1	(948 x 1,887 x 832) x 1 + (1,363 x 1,887 x 832) x 1	(1,363 x 1,887 x 832) x 2
Operating Temp. Range	Cooling		°C	-5 ~ 48	-5 ~ 48	-5 ~ 48
	Heating		°C	-25 ~ 24	-25 ~ 24	-25 ~ 24

NOTE

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

1) Nominal capacities are based on (Equivalent refrigerant piping 7.5m, Level differences 0m);
   - Cooling : Indoor temperature 27°C DB, 19°C WB / Outdoor temperature 35°C DB, 24°C WB
   - Heating : Indoor temperature 20°C DB, 15°C WB / Outdoor temperature 7°C DB, 6°C WB
2) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
3) 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
4) These products contain R410A which is fluorinated greenhouse gas.
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

Premium Compact

Type				DVM S	DVM S	DVM S
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			Ø, #, V, Hz	3, 4, 380-415, 50	3, 4, 380-415, 50	3, 4, 380-415, 50
Mode			-	HEAT PUMP	HEAT PUMP	HEAT PUMP
Perfor-mance	HP		HP	38	40	42
	Capacity (Nominal)	Cooling	kW	106.6	112.0	117.6
			Btu/h	363,700	382,200	401,300
		Heating	kW	119.7	126.0	132.3
			Btu/h	408,400	429,900	451,400
Maximum number of connectable indoor units			EA	64	64	64
Total capacity of the connected Indoor Units		Min.	kW	53.3	56.0	58.8
Total capacity of the connected Indoor Units		Max.	kW	138.6	145.6	152.9
Power	Power Input (Nominal)	Cooling	kW	26.67	26.43	28.25
		Heating	kW	26.61	26.38	28.61
	Current Input (Nominal)	Cooling	A	42.80	42.40	45.30
		Heating	A	42.60	42.30	45.90
	Current	Minimum Ssc	MVA	15.8	17.4	16.7
		MCA	A	76.6	83.8	86.6
		MFA	A	90	100	100
Efficiency	EER (Nominal)	Cooling	W/W	4.00	4.24	4.16
	COP (Nominal)	Heating	W/W	4.50	4.78	4.62
	ESEER		W/W	6.83	6.80	6.62
Casing	Material	Body	-	EGI Steel Plate	EGI Steel Plate	EGI Steel Plate
		Base	-	EGI Steel Plate	EGI Steel Plate	EGI Steel Plate
Heat Exchanger	Type		-	Fin & Tube	Fin & Tube	Fin & Tube
	Material	Fin	-	Al	Al	Al
		Tube	-	Cu	Cu	Cu
	Fin Treatment		-	Anti-corrosion	Anti-corrosion	Anti-corrosion
Compressor	Model Name		-	DS4GJ5080FVA x 1 + DSGB066FAVB x 2	DS-GB066FAVB x 4	DS-GB066FAVB x 4
	Output		kW x n	(7.81 x 1) x 1 + (6.39 x 2) x 1	(6.39 x 2) x 2	(6.39 x 2) x 2
	Oil	Type	-	PVE	PVE	PVE
		Initial charge	cc x n	(1,400 x 1) x 1 + (1,100 x 2) x 1	(1,100 x 2) x 2	(1,100 x 2) x 2
Fan	Type		-	Propeller	Propeller	Propeller
	Discharge direction		-	Top	Top	Top
	Quantity		EA	4	4	4
	Air Flow Rate		m^3/min	255 x 1 + 290 x 1	290 x 2	290 x 2
			l/s	4,250 x 1 + 4,833 x 1	4,833 x 2	4,833 x 2
	External Static Pressure	Max.	mmAq	8	8	8
			Pa	78.45	78.45	78.45
Fan Motor	Type		-	BLDC Motor	BLDC Motor	BLDC Motor
	Output		W x n	(620 x 2) x 2	(620 x 2) x 2	(620 x 2) x 2
Piping Connections	Liquid Pipe		Type	Braze connection	Braze connection	Braze connection
			Φ, mm (inch)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)
	Gas Pipe		Type	Braze connection	Braze connection	Braze connection
			Φ, mm (inch)	41.28 (1-5/8)	41.28 (1-5/8)	41.28 (1-5/8)
	High pressure Gas Pipe(HR Only)		Type	-	-	-
			Φ, mm (inch)	-	-	-
	Heat Insulation		-	Both liquid and gas pipes	Both liquid and gas pipes	Both liquid and gas pipes
	Piping length (ODU-IDU)	Max. [Equiv.]	m	200 [220]	200 [220]	200 [220]
	Piping length (1st Branch-IDU)	Max.	m	90	90	90
	Total piping length (System)	Max.	m	1,000	1,000	1,000
	Level difference (ODU in highest position)	Max.	m	110	110	110
	Level difference (IDU in highest position)	Max.	m	110	110	110
	Level difference (IDU-IDU)	Max.	m	50	50	50

2. Specifications

Wiring connections	Transmission Cable		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 x 2	8.4 x 2	8.4 x 2
Sound	Sound Pressure	Cooling	dB(A)	67	68	68
	Sound Pressure	Heating	dB(A)	69	70	70
	Sound Power		dB(A)	90	92	92
External Dimension	Net Weight		kg	255.0 x 1 + 285.0 x 1	285.0 x 2	285.0 x 2
	Shipping Weight		kg	275.0 x 1 + 305.0 x 1	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		°C	-5 ~ 48	-5 ~ 48	-5 ~ 48
	Heating		°C	-25 ~ 24	-25 ~ 24	-25 ~ 24

NOTE

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

1) Nominal capacities are based on (Equivalent refrigerant piping 7.5m, Level differences 0m);
   - Cooling : Indoor temperature 27°C DB, 19°C WB / Outdoor temperature 35°C DB, 24°C WB
   - Heating : Indoor temperature 20°C DB, 15°C WB / Outdoor temperature 7°C DB, 6°C WB
2) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
3) 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
4) These products contain R410A which is fluorinated greenhouse gas.
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

Premium Compact

Type				DVM S	DVM S	DVM S
Model Name				AM440KXVGGH1EU	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			Ø, #, V, Hz	3, 4, 380-415, 50	3, 4, 380-415, 50	3, 4, 380-415, 50
Mode			-	HEAT PUMP	HEAT PUMP	HEAT PUMP
Perfor-mance	HP		HP	44	46	48
	Capacity (Nominal)	Cooling	kW	124.0	129.0	134.4
			Btu/h	423,100	440,200	458,600
		Heating	kW	139.5	144.9	151.2
			Btu/h	476,000	494,400	515,900
Maximum number of connectable indoor units			EA	64	64	64
Total capacity of the connected Indoor Units		Min.	kW	62.0	64.5	67.2
Total capacity of the connected Indoor Units		Max.	kW	161.2	167.7	174.7
Power	Power Input (Nominal)	Cooling	kW	31.59	33.62	33.38
		Heating	kW	30.21	31.34	31.11
	Current Input (Nominal)	Cooling	A	50.70	53.90	53.50
		Heating	A	48.40	50.20	49.90
	Current	Minimum Ssc	MVA	20.2	22	23.6
		MCA	A	98	105	112.2
		MFA	A	125	125	125
Efficiency	EER (Nominal)	Cooling	W/W	3.93	3.84	4.03
	COP (Nominal)	Heating	W/W	4.62	4.62	4.86
	ESEER		W/W	7.01	6.90	6.88
Casing	Material	Body	-	EGI Steel Plate	EGI Steel Plate	EGI Steel Plate
		Base	-	EGI Steel Plate	EGI Steel Plate	EGI Steel Plate
Heat Exchanger	Type		-	Fin & Tube	Fin & Tube	Fin & Tube
	Material	Fin	-	Al	Al	Al
		Tube	-	Cu	Cu	Cu
	Fin Treatment		-	Anti-corrosion	Anti-corrosion	Anti-corrosion
Compressor	Model Name		-	DS-GB066FAVB x 1 + DS4GJ5080FVA x 2	DS4GJ5080FVA x 3	DS-GB066FAVB x 2 + DS4GJ5080FVA x 2
	Output		kW x n	(6.39 x 1) x 1 + (7.81 x 2) x 1	(7.81 x 1) x 1 + (7.81 x 2) x 1	(6.39 x 2) x 1 + (7.81 x 2) x 1
	Oil	Type	-	PVE	PVE	PVE
		Initial charge	cc x n	(1,100 x 1) x 1 + (1,400 x 2) x 1	(1,400 x 1) x 1 + (1,400 x 2) x 1	(1,100 x 2) x 1 + (1,400 x 2) x 1
Fan	Type		-	Propeller	Propeller	Propeller
	Discharge direction		-	Top	Top	Top
	Quantity		EA	4	4	4
	Air Flow Rate		m⁵/min	255 x 1 + 340 x 1	255 x 1 + 340 x 1	290 x 1 + 340 x 1
			l/s	4,250 x 1 + 5,667 x 1	4,250 x 1 + 5,667 x 1	4,833 x 1 + 5,667 x 1
	External Static Pressure	Max.	mmAq	8	8	8
			Pa	78.45	78.45	78.45
Fan Motor	Type		-	BLDC Motor	BLDC Motor	BLDC Motor
	Output		W x n	(620 x 2) x 2	(620 x 2) x 2	(620 x 2) x 2
Piping Connections	Liquid Pipe		Type	Braze connection	Braze connection	Braze connection
			Φ, mm (inch)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)
	Gas Pipe		Type	Braze connection	Braze connection	Braze connection
			Φ, mm (inch)	41.28 (1-5/8)	41.28 (1-5/8)	41.28 (1-5/8)
	High pressure Gas Pipe(HR Only)		Type	-	-	-
			Φ, mm (inch)	-	-	-
	Heat Insulation		-	Both liquid and gas pipes	Both liquid and gas pipes	Both liquid and gas pipes
	Piping length (ODU-IDU)	Max. [Equiv.]	m	200 [220]	200 [220]	200 [220]
	Piping length (1st Branch-IDU)	Max.	m	90	90	90
	Total piping length (System)	Max.	m	1,000	1,000	1,000
	Level difference (ODU in highest position)	Max.	m	110	110	110
	Level difference (IDU in highest position)	Max.	m	110	110	110
	Level difference (IDU-IDU)	Max.	m	50	50	50

2. Specifications

Wiring connections	Transmission Cable		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	9.4 x 1 + 14.0 x 1	8.4 x 1 + 14.0 x 1	8.4 x 1 + 14.0 x 1
Sound	Sound Pressure	Cooling	dB(A)	70	70	70
	Sound Pressure	Heating	dB(A)	72	72	72
	Sound Power		dB(A)	91	91	93
External Dimension	Net Weight		kg	241.0 x 1 + 350.0 x 1	255.0 x 1 + 350.0 x 1	285.0 x 1 + 350.0 x 1
	Shipping Weight		kg	261.0 x 1 + 372.0 x 1	275.0 x 1 + 372.0 x 1	305.0 x 1 + 372.0 x 1
	Net Dimensions (WxHxD)		mm	(1,295 x 1,695 x 765) x 1 + (1,295 x 1,795 x 765) x 1	(1,295 x 1,695 x 765) x 1 + (1,295 x 1,795 x 765) x 1	(1,295 x 1,695 x 765) x 1 + (1,295 x 1,795 x 765) x 1
	Shipping Dimensions (WxHxD)		mm	(1,363 x 1,887 x 832) x 1 + (1,363 x 1,987 x 832) x 1	(1,363 x 1,887 x 832) x 1 + (1,363 x 1,987 x 832) x 1	(1,363 x 1,887 x 832) x 1 + (1,363 x 1,987 x 832) x 1
Operating Temp. Range	Cooling		°C	-5 ~ 48	-5 ~ 48	-5 ~ 48
	Heating		°C	-25 ~ 24	-25 ~ 24	-25 ~ 24

NOTE

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

1) Nominal capacities are based on (Equivalent refrigerant piping 7.5m, Level differences 0m);
   - Cooling : Indoor temperature 27°C DB, 19°C WB / Outdoor temperature 35°C DB, 24°C WB
   - Heating : Indoor temperature 20°C DB, 15°C WB / Outdoor temperature 7°C DB, 6°C WB
2) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
3) 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
4) These products contain R410A which is fluorinated greenhouse gas.
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

Premium Compact

Type				DVM S	DVM S	DVM S
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			Ø, #, V, Hz	3, 4, 380-415, 50	3, 4, 380-415, 50	3, 4, 380-415, 50
Mode			-	HEAT PUMP	HEAT PUMP	HEAT PUMP
Perfor-mance	HP		HP	50	52	54
	Capacity (Nominal)	Cooling	kW	140.0	145.6	151.2
			Btu/h	477,700	496,800	515,900
		Heating	kW	157.5	163.8	170.1
			Btu/h	537,400	558,900	580,400
Maximum number of connectable indoor units			EA	64	64	64
Total capacity of the connected Indoor Units		Min.	kW	70.0	72.8	75.6
Total capacity of the connected Indoor Units		Max.	kW	182.0	189.3	196.6
Power	Power Input (Nominal)	Cooling	kW	35.20	38.45	38.70
		Heating	kW	33.34	36.45	36.02
	Current Input (Nominal)	Cooling	A	56.40	61.70	62.10
		Heating	A	53.50	58.40	57.70
	Current	Minimum Ssc	MVA	22.9	23.4	27.3
		MCA	A	115	117.6	128
		MFA	A	150	150	150
Efficiency	EER (Nominal)	Cooling	W/W	3.98	3.79	3.91
	COP (Nominal)	Heating	W/W	4.72	4.49	4.72
	ESEER		W/W	6.72	6.56	6.89
Casing	Material	Body	-	EGI Steel Plate	EGI Steel Plate	EGI Steel Plate
		Base	-	EGI Steel Plate	EGI Steel Plate	EGI Steel Plate
Heat Exchanger	Type		-	Fin & Tube	Fin & Tube	Fin & Tube
	Material	Fin	-	Al	Al	Al
		Tube	-	Cu	Cu	Cu
	Fin Treatment		-	Anti-corrosion	Anti-corrosion	Anti-corrosion
Compressor	Model Name		-	DS-GB066FAVB x 2 + DS4GJ5080FVA x 2	DS-GB066FAVB x 2 + DS4GJ5080FVA x 2	DS-GB070FAVA x 2 + DS4GJ5080FVA x 2
	Output		kW x n	(6.39 x 2) x 1 + (7.81 x 2) x 1	(6.39 x 2) x 1 + (7.81 x 2) x 1	(6.76 x 2) x 1 + (7.81 x 2) x 1
	Oil	Type	-	PVE	PVE	PVE
		Initial charge	cc x n	(1,100 x 2) x 1 + (1,400 x 2) x 1	(1,100 x 2) x 1 + (1,400 x 2) x 1	(1,100 x 2) x 1 + (1,400 x 2) x 1
Fan	Type		-	Propeller	Propeller	Propeller
	Discharge direction		-	Top	Top	Top
	Quantity		EA	4	4	4
	Air Flow Rate		m^3/min	290 x 1 + 340 x 1	290 x 1 + 340 x 1	340 x 2
			l/s	4,833 x 1 + 5,667 x 1	4,833 x 1 + 5,667 x 1	5,667 x 2
	External Static Pressure	Max.	mmAq	8	8	8
			Pa	78.45	78.45	78.45
Fan Motor	Type		-	BLDC Motor	BLDC Motor	BLDC Motor
	Output		W x n	(620 x 2) x 2	(620 x 2) x 2	(620 x 2) x 2
Piping Connections	Liquid Pipe		Type	Braze connection	Braze connection	Braze connection
			Φ, mm (inch)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)
	Gas Pipe		Type	Braze connection	Braze connection	Braze connection
			Φ, mm (inch)	41.28 (1-5/8)	41.28 (1-5/8)	41.28 (1-5/8)
	High pressure Gas Pipe(HR Only)		Type	-	-	-
			Φ, mm (inch)	-	-	-
	Heat Insulation		-	Both liquid and gas pipes	Both liquid and gas pipes	Both liquid and gas pipes
	Piping length (ODU-IDU)	Max. [Equiv.]	m	200 [220]	200 [220]	200 [220]
	Piping length (1st Branch-IDU)	Max.	m	90	90	90
	Total piping length (System)	Max.	m	1,000	1,000	1,000
	Level difference (ODU in highest position)	Max.	m	110	110	110
	Level difference (IDU in highest position)	Max.	m	110	110	110
	Level difference (IDU-IDU)	Max.	m	50	50	50

2. Specifications

Wiring connections	Transmission Cable		mm^2	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 x 1 + 14.0 x 1	8.4 x 1 + 14.0 x 1	14.0 x 2
Sound	Sound Pressure	Cooling	dB(A)	70	70	72
	Sound Pressure	Heating	dB(A)	72	72	74
	Sound Power		dB(A)	93	93	93
External Dimension	Net Weight		kg	285.0 x 1 + 350.0 x 1	285.0 x 1 + 350.0 x 1	342.0 x 1 + 350.0 x 1
	Shipping Weight		kg	305.0 x 1 + 372.0 x 1	305.0 x 1 + 372.0 x 1	364.0 x 1 + 372.0 x 1
	Net Dimensions (WxHxD)		mm	(1,295 x 1,695 x 765) x 1 + (1,295 x 1,795 x 765) x 1	(1,295 x 1,695 x 765) x 1 + (1,295 x 1,795 x 765) x 1	(1,295 x 1,795 x 765) x 2
	Shipping Dimensions (WxHxD)		mm	(1,363 x 1,887 x 832) x 1 + (1,363 x 1,987 x 832) x 1	(1,363 x 1,887 x 832) x 1 + (1,363 x 1,987 x 832) x 1	(1,363 x 1,987 x 832) x 2
Operating Temp. Range	Cooling		°C	-5 ~ 48	-5 ~ 48	-5 ~ 48
	Heating		°C	-25 ~ 24	-25 ~ 24	-25 ~ 24

NOTE

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

1) Nominal capacities are based on (Equivalent refrigerant piping 7.5m, Level differences 0m);
   - Cooling : Indoor temperature 27°C DB, 19°C WB / Outdoor temperature 35°C DB, 24°C WB
   - Heating : Indoor temperature 20°C DB, 15°C WB / Outdoor temperature 7°C DB, 6°C WB
2) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
3) 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
4) These products contain R410A which is fluorinated greenhouse gas.
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

Premium Compact

				DVM S	DVM S	DVM S
Type				DVM S	DVM S	DVM S
Model Name				AM560KXVGGH1EU	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			Ø, #, V, Hz	3, 4, 380-415, 50	3, 4, 380-415, 50	3, 4, 380-415, 50
Mode			-	HEAT PUMP	HEAT PUMP	HEAT PUMP
Perfor-mance	HP		HP	56	58	60
	Capacity (Nominal)	Cooling	kW	156.8	162.6	168.0
			Btu/h	535,000	554,800	573,200
		Heating	kW	176.4	182.7	189.0
			Btu/h	601,900	623,400	644,900
Maximum number of connectable indoor units			EA	64	64	64
Total capacity of the connected Indoor Units		Min.	kW	78.4	81.3	84.0
Total capacity of the connected Indoor Units		Max.	kW	203.8	211.4	218.4
Power	Power Input (Nominal)	Cooling	kW	40.03	42.35	45.40
		Heating	kW	37.65	39.36	41.18
	Current Input (Nominal)	Cooling	A	64.20	67.90	72.80
		Heating	A	60.40	63.10	66.00
	Current	Minimum Ssc	MVA	27	28.4	29.6
		MCA	A	133	140	146
		MFA	A	150	175	175
Efficiency	EER (Nominal)	Cooling	W/W	3.92	3.84	3.70
	COP (Nominal)	Heating	W/W	4.69	4.64	4.59
	ESEER		W/W	6.89	6.75	6.65
Casing	Material	Body	-	EGI Steel Plate	EGI Steel Plate	EGI Steel Plate
		Base	-	EGI Steel Plate	EGI Steel Plate	EGI Steel Plate
Heat Exchanger	Type		-	Fin & Tube	Fin & Tube	Fin & Tube
	Material	Fin	-	Al	Al	Al
		Tube	-	Cu	Cu	Cu
	Fin Treatment		-	Anti-corrosion	Anti-corrosion	Anti-corrosion
Compressor	Model Name		-	DS4GJ5080FVA x 4	DS4GJ5080FVA x 4	DS4GJ5080FVA x 4
	Output		kW x n	(7.81 x 2) x 2	(7.81 x 2) x 2	(7.81 x 2) x 2
	Oil	Type	-	PVE	PVE	PVE
		Initial charge	cc x n	(1,400 x 2) x 2	(1,400 x 2) x 2	(1,400 x 2) x 2
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	5,667 x 2	5,667 x 2	5,667 x 2
	External Static Pressure	Max.	mmAq	8	8	8
			Pa	78.45	78.45	78.45
Fan Motor	Type		-	BLDC Motor	BLDC Motor	BLDC Motor
	Output		W x n	(620 x 2) x 2	(620 x 2) x 2	(620 x 2) x 2
Piping Connections	Liquid Pipe		Type	Braze connection	Braze connection	Braze connection
			Φ, mm (inch)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)
	Gas Pipe		Type	Braze connection	Braze connection	Braze connection
			Φ, mm (inch)	41.28 (1-5/8)	41.28 (1-5/8)	41.28 (1-5/8)
	High pressure Gas Pipe(HR Only)		Type	-	-	-
			Φ, mm (inch)	-	-	-
	Heat Insulation		-	Both liquid and gas pipes	Both liquid and gas pipes	Both liquid and gas pipes
	Piping length (ODU-IDU)	Max. [Equiv.]	m	200 [220]	200 [220]	200 [220]
	Piping length (1st Branch-IDU)	Max.	m	90	90	90
	Total piping length (System)	Max.	m	1,000	1,000	1,000
	Level difference (ODU in highest position)	Max.	m	110	110	110
	Level difference (IDU in highest position)	Max.	m	110	110	110
	Level difference (IDU-IDU)	Max.	m	50	50	50

2. Specifications

Wiring connections	Transmission Cable		mm^2	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	14.0 x 2	14.0 x 2	14.0 x 2
Sound	Sound Pressure	Cooling	dB(A)	72	72	72
	Sound Pressure	Heating	dB(A)	74	74	74
	Sound Power		dB(A)	93	93	93
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		°C	-5 ~ 48	-5 ~ 48	-5 ~ 48
	Heating		°C	-25 ~ 24	-25 ~ 24	-25 ~ 24

NOTE

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

1) Nominal capacities are based on (Equivalent refrigerant piping 7.5m, Level differences 0m);
   - Cooling : Indoor temperature 27°C DB, 19°C WB / Outdoor temperature 35°C DB, 24°C WB
   - Heating : Indoor temperature 20°C DB, 15°C WB / Outdoor temperature 7°C DB, 6°C WB
2) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
3) 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
4) These products contain R410A which is fluorinated greenhouse gas.
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

Premium Compact

Type				DVM S	DVM S	DVM S
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			Ø, #, V, Hz	3, 4, 380-415, 50	3, 4, 380-415, 50	3, 4, 380-415, 50
Mode			-	HEAT PUMP	HEAT PUMP	HEAT PUMP
Perfor-mance	HP		HP	62	64	66
	Capacity (Nominal)	Cooling	kW	173.6	179.2	185.6
			Btu/h	592,300	611,500	633,300
		Heating	kW	195.3	201.6	208.8
			Btu/h	666,400	687,900	712,500
Maximum number of connectable indoor units			EA	64	64	64
Total capacity of the connected Indoor Units		Min.	kW	86.8	89.6	92.8
Total capacity of the connected Indoor Units		Max.	kW	225.7	233.0	241.3
Power	Power Input (Nominal)	Cooling	kW	42.77	46.02	47.34
		Heating	kW	40.90	44.01	46.07
	Current Input (Nominal)	Cooling	A	68.50	73.80	76.00
		Heating	A	65.60	70.50	73.80
	Current	Minimum Ssc	MVA	28.2	28.7	28.8
		MCA	A	140	142.6	142.6
		MFA	A	175	175	175
Efficiency	EER (Nominal)	Cooling	W/W	4.06	3.89	3.92
	COP (Nominal)	Heating	W/W	4.78	4.58	4.53
	ESEER		W/W	6.82	6.68	6.82
Casing	Material	Body	-	EGI Steel Plate	EGI Steel Plate	EGI Steel Plate
		Base	-	EGI Steel Plate	EGI Steel Plate	EGI Steel Plate
Heat Exchanger	Type		-	Fin & Tube	Fin & Tube	Fin & Tube
	Material	Fin	-	Al	Al	Al
		Tube	-	Cu	Cu	Cu
	Fin Treatment		-	Anti-corrosion	Anti-corrosion	Anti-corrosion
Compressor	Model Name		-	DS-GB066FAVB x 2 + DS4GJ5080FVA x 2 + DSGB066FAVBSG x 1	DS-GB066FAVB x 2 + DS4GJ5080FVA x 2 + DSGB066FAVBSG x 1	DS-GB066FAVB x 3 + DS4GJ5080FVA x 2
	Output		kW x n	(6.39 x 1) x 1 + (6.39 x 2) x 1 + (7.81 x 2) x 1	(6.39 x 1) x 1 + (6.39 x 2) x 1 + (7.81 x 2) x 1	(6.39 x 1) x 1 + (6.39 x 2) x 1 + (7.81 x 2) x 1
	Oil	Type	-	PVE	PVE	PVE
		Initial charge	cc x n	(1,100 x 1) x 1 + (1,100 x 2) x 1 + (1,400 x 2) x 1	(1,100 x 1) x 1 + (1,100 x 2) x 1 + (1,400 x 2) x 1	(1,100 x 1) x 1 + (1,100 x 2) x 1 + (1,400 x 2) x 1
Fan	Type		-	Propeller	Propeller	Propeller
	Discharge direction		-	Top	Top	Top
	Quantity		EA	5	5	6
	Air Flow Rate		m^3/min	220 x 1 + 290 x 1 + 340 x 1	220 x 1 + 290 x 1 + 340 x 1	255 x 1 + 290 x 1 + 340 x 1
			l/s	3,667 x 1 + 4,833 x 1 + 5,667 x 1	3,667 x 1 + 4,833 x 1 + 5,667 x 1	4,250 x 1 + 4,833 x 1 + 5,667 x 1
	External Static Pressure	Max.	mmAq	8	8	8
			Pa	78.45	78.45	78.45
Fan Motor	Type		-	BLDC Motor	BLDC Motor	BLDC Motor
	Output		W x n	(830 x 1) x 1 + (620 x 2) x 2	(830 x 1) x 1 + (620 x 2) x 2	(620 x 2) x 3
Piping Connections	Liquid Pipe		Type	Braze connection	Braze connection	Braze connection
			Φ, mm (inch)	22.22 (7/8)	22.22 (7/8)	22.22 (7/8)
	Gas Pipe		Type	Braze connection	Braze connection	Braze connection
			Φ, mm (inch)	53.98 (2-1/8)	53.98 (2-1/8)	53.98 (2-1/8)
	High pressure Gas Pipe(HR Only)		Type	-	-	-
			Φ, mm (inch)	-	-	-
	Heat Insulation		-	Both liquid and gas pipes	Both liquid and gas pipes	Both liquid and gas pipes
	Piping length (ODU-IDU)	Max. [Equiv.]	m	200 [220]	200 [220]	200 [220]
	Piping length (1st Branch-IDU)	Max.	m	90	90	90
	Total piping length (System)	Max.	m	1,000	1,000	1,000
	Level difference (ODU in highest position)	Max.	m	110	110	110
	Level difference (IDU in highest position)	Max.	m	110	110	110
	Level difference (IDU-IDU)	Max.	m	50	50	50

2. Specifications

Wiring connections	Transmission Cable		mm^2	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	6.5 x 1 + 8.4 x 1 + 14.0 x 1	6.5 x 1 + 8.4 x 1 + 14.0 x 1	9.4 x 1 + 8.4 x 1 + 14.0 x 1
Sound	Sound Pressure	Cooling	dB(A)	71	71	71
	Sound Pressure	Heating	dB(A)	73	73	73
	Sound Power		dB(A)	93	93	93
External Dimension	Net Weight		kg	195.5 x 1 + 285.0 x 1 + 350.0 x 1	195.5 x 1 + 285.0 x 1 + 350.0 x 1	241.0 x 1 + 285.0 x 1 + 350.0 x 1
	Shipping Weight		kg	211.5 x 1 + 305.0 x 1 + 372.0 x 1	211.5 x 1 + 305.0 x 1 + 372.0 x 1	261.0 x 1 + 305.0 x 1 + 372.0 x 1
	Net Dimensions (WxHxD)		mm	(880 x 1,695 x 765) x 1 + (1,295 x 1,695 x 765) x 1 + (1,295 x 1,795 x 765) x 1	(880 x 1,695 x 765) x 1 + (1,295 x 1,695 x 765) x 1 + (1,295 x 1,795 x 765) x 1	(1,295 x 1,695 x 765) x 2 + (1,295 x 1,795 x 765) x 1
	Shipping Dimensions (WxHxD)		mm	(948 x 1,887 x 832) x 1 + (1,363 x 1,887 x 832) x 1 + (1,363 x 1,987 x 832) x 1	(948 x 1,887 x 832) x 1 + (1,363 x 1,887 x 832) x 1 + (1,363 x 1,987 x 832) x 1	(1,363 x 1,887 x 832) x 2 + (1,363 x 1,987 x 832) x 1
Operating Temp. Range	Cooling		°C	-5 ~ 48	-5 ~ 48	-5 ~ 48
	Heating		°C	-25 ~ 24	-25 ~ 24	-25 ~ 24

NOTE

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

1) Nominal capacities are based on (Equivalent refrigerant piping 7.5m, Level differences 0m);
   - Cooling : Indoor temperature 27°C DB, 19°C WB / Outdoor temperature 35°C DB, 24°C WB
   - Heating : Indoor temperature 20°C DB, 15°C WB / Outdoor temperature 7°C DB, 6°C WB
2) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
3) 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
4) These products contain R410A which is fluorinated greenhouse gas.
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

Premium Compact

Type				DVM S	DVM S	DVM S
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			Ø, #, V, Hz	3, 4, 380-415, 50	3, 4, 380-415, 50	3, 4, 380-415, 50
Mode			-	HEAT PUMP	HEAT PUMP	HEAT PUMP
Perfor-mance	HP		HP	68	70	72
	Capacity (Nominal)	Cooling	kW	190.6	196.0	201.6
			Btu/h	650,400	668,800	687,900
		Heating	kW	214.2	220.5	226.8
			Btu/h	730,900	752,400	773,900
Maximum number of connectable indoor units			EA	64	64	64
Total capacity of the connected Indoor Units		Min.	kW	95.3	98.0	100.8
Total capacity of the connected Indoor Units		Max.	kW	247.8	254.8	262.1
Power	Power Input (Nominal)	Cooling	kW	49.37	49.13	50.95
		Heating	kW	47.20	46.97	49.20
	Current Input (Nominal)	Cooling	A	79.20	78.80	81.70
		Heating	A	75.60	75.30	78.90
	Current	Minimum Ssc	MVA	30.6	32.2	31.5
		MCA	A	149.6	156.8	159.6
		MFA	A	175	175	175
Efficiency	EER (Nominal)	Cooling	W/W	3.86	3.99	3.96
	COP (Nominal)	Heating	W/W	4.54	4.69	4.61
	ESEER		W/W	6.75	6.74	6.63
Casing	Material	Body	-	EGI Steel Plate	EGI Steel Plate	EGI Steel Plate
		Base	-	EGI Steel Plate	EGI Steel Plate	EGI Steel Plate
Heat Exchanger	Type		-	Fin & Tube	Fin & Tube	Fin & Tube
	Material	Fin	-	Al	Al	Al
		Tube	-	Cu	Cu	Cu
	Fin Treatment		-	Anti-corrosion	Anti-corrosion	Anti-corrosion
Compressor	Model Name		-	DS4GJ5080FVA x 3 + DSGB066FAVB x 2	DS-GB066FAVB x 4 + DS4GJ5080FVA x 2	DS-GB066FAVB x 4 + DS4GJ5080FVA x 2
	Output		kW x n	(7.81 x 1) x 1 + (6.39 x 2) x 1 + (7.81 x 2) x 1	(6.39 x 2) x 2 + (7.81 x 2) x 1	(6.39 x 2) x 2 + (7.81 x 2) x 1
	Oil	Type	-	PVE	PVE	PVE
		Initial charge	cc x n	(1,400 x 1) x 1 + (1,100 x 2) x 1 + (1,400 x 2) x 1	(1,100 x 2) x 2 + (1,400 x 2) x 1	(1,100 x 2) x 2 + (1,400 x 2) x 1
Fan	Type		-	Propeller	Propeller	Propeller
	Discharge direction		-	Top	Top	Top
	Quantity		EA	6	6	6
	Air Flow Rate		m^5/min	255 x 1 + 290 x 1 + 340 x 1	290 x 2 + 340 x 1	290 x 2 + 340 x 1
			l/s	4,250 x 1 + 4,833 x 1 + 5,667 x 1	4,833 x 2 + 5,667 x 1	4,833 x 2 + 5,667 x 1
	External Static Pressure	Max.	mmAq	8	8	8
			Pa	78.45	78.45	78.45
Fan Motor	Type		-	BLDC Motor	BLDC Motor	BLDC Motor
	Output		W x n	(620 x 2) x 3	(620 x 2) x 3	(620 x 2) x 3
Piping Connections	Liquid Pipe		Type	Braze connection	Braze connection	Braze connection
			Φ, mm (inch)	22.22 (7/8)	22.22 (7/8)	22.22 (7/8)
	Gas Pipe		Type	Braze connection	Braze connection	Braze connection
			Φ, mm (inch)	53.98 (2-1/8)	53.98 (2-1/8)	53.98 (2-1/8)
	High pressure Gas Pipe(HR Only)		Type	-	-	-
			Φ, mm (inch)	-	-	-
	Heat Insulation		-	Both liquid and gas pipes	Both liquid and gas pipes	Both liquid and gas pipes
	Piping length (ODU-IDU)	Max. [Equiv.]	m	200 [220]	200 [220]	200 [220]
	Piping length (1st Branch-IDU)	Max.	m	90	90	90
	Total piping length (System)	Max.	m	1,000	1,000	1,000
	Level difference (ODU in highest position)	Max.	m	110	110	110
	Level difference (IDU in highest position)	Max.	m	110	110	110
	Level difference (IDU-IDU)	Max.	m	50	50	50

2. Specifications

Wiring connections	Transmission Cable		mm^2	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 x 2 + 14.0 x 1	8.4 x 2 + 14.0 x 1	8.4 x 2 + 14.0 x 1
Sound	Sound Pressure	Cooling	dB(A)	71	72	72
	Sound Pressure	Heating	dB(A)	73	74	74
	Sound Power		dB(A)	93	94	94
External Dimension	Net Weight		kg	255.0 x 1 + 285.0 x 1 + 350.0 x 1	285.0 x 2 + 350.0 x 1	285.0 x 2 + 350.0 x 1
	Shipping Weight		kg	275.0 x 1 + 305.0 x 1 + 372.0 x 1	305.0 x 2 + 372.0 x 1	305.0 x 2 + 372.0 x 1
	Net Dimensions (WxHxD)		mm	(1,295 x 1,695 x 765) x 2 + (1,295 x 1,795 x 765) x 1	(1,295 x 1,695 x 765) x 2 + (1,295 x 1,795 x 765) x 1	(1,295 x 1,695 x 765) x 2 + (1,295 x 1,795 x 765) x 1
	Shipping Dimensions (WxHxD)		mm	(1,363 x 1,887 x 832) x 2 + (1,363 x 1,987 x 832) x 1	(1,363 x 1,887 x 832) x 2 + (1,363 x 1,987 x 832) x 1	(1,363 x 1,887 x 832) x 2 + (1,363 x 1,987 x 832) x 1
Operating Temp. Range	Cooling		°C	-5 ~ 48	-5 ~ 48	-5 ~ 48
	Heating		°C	-25 ~ 24	-25 ~ 24	-25 ~ 24

NOTE

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

1) Nominal capacities are based on (Equivalent refrigerant piping 7.5m, Level differences 0m);
   - Cooling : Indoor temperature 27°C DB, 19°C WB / Outdoor temperature 35°C DB, 24°C WB
   - Heating : Indoor temperature 20°C DB, 15°C WB / Outdoor temperature 7°C DB, 6°C WB
2) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
3) 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
4) These products contain R410A which is fluorinated greenhouse gas.
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

Premium Compact

Type				DVM S	DVM S	DVM S
Model Name				AM740KXVGGH1EU	AM760KXVGGH1EU	AM780KXVGGH1EU
	Outdoor unit module 1			AM220KXVGGH/EU	AM240KXVGGH/EU	AM260KXVGGH/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			Ø, #, V, Hz	3, 4, 380-415, 50	3, 4, 380-415, 50	3, 4, 380-415, 50
Mode			-	HEAT PUMP	HEAT PUMP	HEAT PUMP
Perfor-mance	HP		HP	74	76	78
	Capacity (Nominal)	Cooling	kW	207.2	212.8	218.4
			Btu/h	707,000	726,100	745,200
		Heating	kW	233.1	239.4	245.7
			Btu/h	795,400	816,900	838,400
Maximum number of connectable indoor units			EA	64	64	64
Total capacity of the connected Indoor Units		Min.	kW	103.6	106.4	109.2
Total capacity of the connected Indoor Units		Max.	kW	269.4	276.6	283.9
Power	Power Input (Nominal)	Cooling	kW	54.20	54.45	55.78
		Heating	kW	52.31	51.88	53.51
	Current Input (Nominal)	Cooling	A	87.00	87.40	89.50
		Heating	A	83.80	83.10	85.80
	Current	Minimum Ssc	MVA	32	35.9	35.6
		MCA	A	162.2	172.6	177.6
		MFA	A	200	200	200
Efficiency	EER (Nominal)	Cooling	W/W	3.82	3.91	3.92
	COP (Nominal)	Heating	W/W	4.46	4.61	4.59
	ESEER		W/W	6.52	6.75	6.76
Casing	Material	Body	-	EGI Steel Plate	EGI Steel Plate	EGI Steel Plate
		Base	-	EGI Steel Plate	EGI Steel Plate	EGI Steel Plate
Heat Exchanger	Type		-	Fin & Tube	Fin & Tube	Fin & Tube
	Material	Fin	-	Al	Al	Al
		Tube	-	Cu	Cu	Cu
	Fin Treatment		-	Anti-corrosion	Anti-corrosion	Anti-corrosion
Compressor	Model Name		-	DS-GB066FAVB x 4 + DS4GJ5080FVA x 2	DS-GB066FAVB x 2 + DSGB070FAVA x 2 + DS4GJ5080FVA x 2	DS-GB066FAVB x 2 + DS4GJ5080FVA x 4
	Output		kW x n	(6.39 x 2) x 2 + (7.81 x 2) x 1	(6.76 x 2) x 1 + (6.39 x 2) x 1 + (7.81 x 2) x 1	(7.81 x 2) x 1 + (6.39 x 2) x 1 + (7.81 x 2) x 1
	Oil	Type	-	PVE	PVE	PVE
		Initial charge	cc x n	(1,100 x 2) x 2 + (1,400 x 2) x 1	(1,100 x 2) x 2 + (1,400 x 2) x 1	(1,400 x 2) x 1 + (1,100 x 2) x 1 + (1,400 x 2) x 1
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 x 1	340 x 1 + 290 x 1 + 340 x 1	340 x 1 + 290 x 1 + 340 x 1
			l/s	4,833 x 2 + 5,667 x 1	5,667 x 1 + 4,833 x 1 + 5,667 x 1	5,667 x 1 + 4,833 x 1 + 5,667 x 1
	External Static Pressure	Max.	mmAq	8	8	8
			Pa	78.45	78.45	78.45
Fan Motor	Type		-	BLDC Motor	BLDC Motor	BLDC Motor
	Output		W x n	(620 x 2) x 3	(620 x 2) x 3	(620 x 2) x 3
Piping Connections	Liquid Pipe		Type	Braze connection	Braze connection	Braze connection
			Φ, mm (inch)	22.22 (7/8)	22.22 (7/8)	22.22 (7/8)
	Gas Pipe		Type	Braze connection	Braze connection	Braze connection
			Φ, mm (inch)	53.98 (2-1/8)	53.98 (2-1/8)	53.98 (2-1/8)
	High pressure Gas Pipe(HR Only)		Type	-	-	-
			Φ, mm (inch)	-	-	-
	Heat Insulation		-	Both liquid and gas pipes	Both liquid and gas pipes	Both liquid and gas pipes
	Piping length (ODU-IDU)	Max. [Equiv.]	m	200 [220]	200 [220]	200 [220]
	Piping length (1st Branch-IDU)	Max.	m	90	90	90
	Total piping length (System)	Max.	m	1,000	1,000	1,000
	Level difference (ODU in highest position)	Max.	m	110	110	110
	Level difference (IDU in highest position)	Max.	m	110	110	110
	Level difference (IDU-IDU)	Max.	m	50	50	50

2. Specifications

Wiring connections	Transmission Cable		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 x 2 + 14.0 x 1	14.0 x 1 + 8.4 x 1 + 14.0 x 1	14.0 x 1 + 8.4 x 1 + 14.0 x 1
Sound	Sound Pressure	Cooling	dB(A)	72	73	73
	Sound Pressure	Heating	dB(A)	74	75	75
	Sound Power		dB(A)	94	94	94
External Dimension	Net Weight		kg	285.0 x 2 + 350.0 x 1	342.0 x 1 + 285.0 x 1 + 350.0 x 1	350.0 x 1 + 285.0 x 1 + 350.0 x 1
	Shipping Weight		kg	305.0 x 2 + 372.0 x 1	364.0 x 1 + 305.0 x 1 + 372.0 x 1	372.0 x 1 + 305.0 x 1 + 372.0 x 1
	Net Dimensions (WxHxD)		mm	(1,295 x 1,695 x 765) x 2 + (1,295 x 1,795 x 765) x 1	(1,295 x 1,795 x 765) x 1 + (1,295 x 1,695 x 765) x 1 + (1,295 x 1,795 x 765) x 1	(1,295 x 1,795 x 765) x 1 + (1,295 x 1,695 x 765) x 1 + (1,295 x 1,795 x 765) x 1
	Shipping Dimensions (WxHxD)		mm	(1,363 x 1,887 x 832) x 2 + (1,363 x 1,987 x 832) x 1	(1,363 x 1,987 x 832) x 1 + (1,363 x 1,887 x 832) x 1 + (1,363 x 1,987 x 832) x 1	(1,363 x 1,987 x 832) x 1 + (1,363 x 1,887 x 832) x 1 + (1,363 x 1,987 x 832) x 1
Operating Temp. Range	Cooling		°C	-5 ~ 48	-5 ~ 48	-5 ~ 48
	Heating		°C	-25 ~ 24	-25 ~ 24	-25 ~ 24

NOTE

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

1) Nominal capacities are based on (Equivalent refrigerant piping 7.5m, Level differences 0m);
   - Cooling : Indoor temperature 27°C DB, 19°C WB / Outdoor temperature 35°C DB, 24°C WB
   - Heating : Indoor temperature 20°C DB, 15°C WB / Outdoor temperature 7°C DB, 6°C WB
2) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
3) 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
4) These products contain R410A which is fluorinated greenhouse gas.
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

Premium Compact

Type				DVM S	DVM S	DVM S
Model Name				AM800KXVGGH1EU	AM820KXVGGH1EU	AM840KXVGGH1EU
	Outdoor unit module 1			AM280KXVGGH/EU	AM300KXVAGH/EU	AM240KXVGGH/EU
	Outdoor unit module 2			AM220KXVGGH/EU	AM220KXVGGH/EU	AM300KXVAGH/EU
	Outdoor unit module 3			AM300KXVAGH/EU	AM300KXVAGH/EU	AM300KXVAGH/EU
	Outdoor unit module 4			-	-	-
Power Supply			Ø, #, V, Hz	3, 4, 380-415, 50	3, 4, 380-415, 50	3, 4, 380-415, 50
Mode			-	HEAT PUMP	HEAT PUMP	HEAT PUMP
Perfor-mance	HP		HP	80	82	84
	Capacity (Nominal)	Cooling	kW	224.2	229.6	235.2
			Btu/h	765,000	783,400	802,500
		Heating	kW	252.0	258.3	264.6
			Btu/h	859,900	881,400	902,900
Maximum number of connectable indoor units			EA	64	64	64
Total capacity of the connected Indoor Units		Min.	kW	112.1	114.8	117.6
Total capacity of the connected Indoor Units		Max.	kW	291.5	298.5	305.8
Power	Power Input (Nominal)	Cooling	kW	58.10	61.15	61.40
		Heating	kW	55.22	57.04	56.61
	Current Input (Nominal)	Cooling	A	93.20	98.10	98.50
		Heating	A	88.50	91.40	90.70
	Current	Minimum Ssc	MVA	37	38.2	42.1
		MCA	A	184.6	190.6	201
		MFA	A	225	225	225
Efficiency	EER (Nominal)	Cooling	W/W	3.86	3.75	3.83
	COP (Nominal)	Heating	W/W	4.56	4.53	4.67
	ESEER		W/W	6.66	6.59	6.80
Casing	Material	Body	-	EGI Steel Plate	EGI Steel Plate	EGI Steel Plate
		Base	-	EGI Steel Plate	EGI Steel Plate	EGI Steel Plate
Heat Exchanger	Type		-	Fin & Tube	Fin & Tube	Fin & Tube
	Material	Fin	-	Al	Al	Al
		Tube	-	Cu	Cu	Cu
	Fin Treatment		-	Anti-corrosion	Anti-corrosion	Anti-corrosion
Compressor	Model Name		-	DS-GB066FAVB x 2 + DS4GJ5080FVA x 4	DS-GB066FAVB x 2 + DS4GJ5080FVA x 4	DS-GB070FAVA x 2 + DS4GJ5080FVA x 4
	Output		kW x n	(7.81 x 2) x 1 + (6.39 x 2) x 1 + (7.81 x 2) x 1	(7.81 x 2) x 1 + (6.39 x 2) x 1 + (7.81 x 2) x 1	(6.76 x 2) x 1 + (7.81 x 2) x 2
	Oil	Type	-	PVE	PVE	PVE
		Initial charge	cc x n	(1,400 x 2) x 1 + (1,100 x 2) x 1 + (1,400 x 2) x 1	(1,400 x 2) x 1 + (1,100 x 2) x 1 + (1,400 x 2) x 1	(1,100 x 2) x 1 + (1,400 x 2) x 2
Fan	Type		-	Propeller	Propeller	Propeller
	Discharge direction		-	Top	Top	Top
	Quantity		EA	6	6	6
	Air Flow Rate		m^3/min	340 x 1 + 290 x 1 + 340 x 1	340 x 1 + 290 x 1 + 340 x 1	340 x 3
			l/s	5,667 x 1 + 4,833 x 1 + 5,667 x 1	5,667 x 1 + 4,833 x 1 + 5,667 x 1	5,667 x 3
	External Static Pressure	Max.	mmAq	8	8	8
			Pa	78.45	78.45	78.45
Fan Motor	Type		-	BLDC Motor	BLDC Motor	BLDC Motor
	Output		W x n	(620 x 2) x 3	(620 x 2) x 3	(620 x 2) x 3
Piping Connections	Liquid Pipe		Type	Braze connection	Braze connection	Braze connection
			Φ, mm (inch)	22.22 (7/8)	22.22 (7/8)	22.22 (7/8)
	Gas Pipe		Type	Braze connection	Braze connection	Braze connection
			Φ, mm (inch)	53.98 (2-1/8)	53.98 (2-1/8)	53.98 (2-1/8)
	High pressure Gas Pipe(HR Only)		Type	-	-	-
			Φ, mm (inch)	-	-	-
	Heat Insulation		-	Both liquid and gas pipes	Both liquid and gas pipes	Both liquid and gas pipes
	Piping length (ODU-IDU)	Max. [Equiv.]	m	200 [220]	200 [220]	200 [220]
	Piping length (1st Branch-IDU)	Max.	m	90	90	90
	Total piping length (System)	Max.	m	1,000	1,000	1,000
	Level difference (ODU in highest position)	Max.	m	110	110	110
	Level difference (IDU in highest position)	Max.	m	110	110	110
	Level difference (IDU-IDU)	Max.	m	50	50	50

2. Specifications

Wiring connections	Transmission Cable		mm^2	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	14.0 x 1 + 8.4 x 1 + 14.0 x 1	14.0 x 1 + 8.4 x 1 + 14.0 x 1	14.0 x 3
Sound	Sound Pressure	Cooling	dB(A)	73	73	74
	Sound Pressure	Heating	dB(A)	75	75	76
	Sound Power		dB(A)	94	94	95
External Dimension	Net Weight		kg	350.0 x 1 + 285.0 x 1 + 350.0 x 1	350.0 x 1 + 285.0 x 1 + 350.0 x 1	342.0 x 1 + 350.0 x 2
	Shipping Weight		kg	372.0 x 1 + 305.0 x 1 + 372.0 x 1	372.0 x 1 + 305.0 x 1 + 372.0 x 1	364.0 x 1 + 372.0 x 2
	Net Dimensions (WxHxD)		mm	(1,295 x 1,795 x 765) x 1 + (1,295 x 1,695 x 765) x 1 + (1,295 x 1,795 x 765) x 1	(1,295 x 1,795 x 765) x 1 + (1,295 x 1,695 x 765) x 1 + (1,295 x 1,795 x 765) x 1	(1,295 x 1,795 x 765) x 3
	Shipping Dimensions (WxHxD)		mm	(1,363 x 1,987 x 832) x 1 + (1,363 x 1,887 x 832) x 1 + (1,363 x 1,987 x 832) x 1	(1,363 x 1,987 x 832) x 1 + (1,363 x 1,887 x 832) x 1 + (1,363 x 1,987 x 832) x 1	(1,363 x 1,987 x 832) x 3
Operating Temp. Range	Cooling		°C	-5 ~ 48	-5 ~ 48	-5 ~ 48
	Heating		°C	-25 ~ 24	-25 ~ 24	-25 ~ 24

NOTE

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

1) Nominal capacities are based on (Equivalent refrigerant piping 7.5m, Level differences 0m);
   - Cooling : Indoor temperature 27°C DB, 19°C WB / Outdoor temperature 35°C DB, 24°C WB
   - Heating : Indoor temperature 20°C DB, 15°C WB / Outdoor temperature 7°C DB, 6°C WB
2) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
3) 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
4) These products contain R410A which is fluorinated greenhouse gas.
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

Premium Compact

Type				DVM S	DVM S	DVM S
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			Ø, #, V, Hz	3, 4, 380-415, 50	3, 4, 380-415, 50	3, 4, 380-415, 50
Mode			-	HEAT PUMP	HEAT PUMP	HEAT PUMP
Perfor-mance	HP		HP	86	88	90
	Capacity (Nominal)	Cooling	kW	240.8	246.6	252.0
			Btu/h	821,600	841,400	859,900
		Heating	kW	270.9	277.2	283.5
			Btu/h	924,300	945,800	967,300
Maximum number of connectable indoor units			EA	64	64	64
Total capacity of the connected Indoor Units		Min.	kW	120.4	123.3	126.0
Total capacity of the connected Indoor Units		Max.	kW	313.0	320.6	327.6
Power	Power Input (Nominal)	Cooling	kW	62.73	65.05	68.10
		Heating	kW	58.24	59.95	61.77
	Current Input (Nominal)	Cooling	A	100.60	104.30	109.20
		Heating	A	93.40	96.10	99.00
	Current	Minimum Ssc	MVA	41.8	43.2	44.4
		MCA	A	206	213	219
		MFA	A	250	250	250
Efficiency	EER (Nominal)	Cooling	W/W	3.84	3.79	3.70
	COP (Nominal)	Heating	W/W	4.65	4.62	4.59
	ESEER		W/W	6.81	6.72	6.65
Casing	Material	Body	-	EGI Steel Plate	EGI Steel Plate	EGI Steel Plate
		Base	-	EGI Steel Plate	EGI Steel Plate	EGI Steel Plate
Heat Exchanger	Type		-	Fin & Tube	Fin & Tube	Fin & Tube
	Material	Fin	-	Al	Al	Al
		Tube	-	Cu	Cu	Cu
	Fin Treatment		-	Anti-corrosion	Anti-corrosion	Anti-corrosion
Compressor	Model Name		-	DS4GJ5080FVA x 6	DS4GJ5080FVA x 6	DS4GJ5080FVA x 6
	Output		kW x n	(7.81 x 2) x 3	(7.81 x 2) x 3	(7.81 x 2) x 3
	Oil	Type	-	PVE	PVE	PVE
		Initial charge	cc x n	(1,400 x 2) x 3	(1,400 x 2) x 3	(1,400 x 2) x 3
Fan	Type		-	Propeller	Propeller	Propeller
	Discharge direction		-	Top	Top	Top
	Quantity		EA	6	6	6
	Air Flow Rate		m^5/min	340 x 3	340 x 3	340 x 3
			l/s	5,667 x 3	5,667 x 3	5,667 x 3
	External Static Pressure	Max.	mmAq	8	8	8
			Pa	78.45	78.45	78.45
Fan Motor	Type		-	BLDC Motor	BLDC Motor	BLDC Motor
	Output		W x n	(620 x 2) x 3	(620 x 2) x 3	(620 x 2) x 3
Piping Connections	Liquid Pipe		Type	Braze connection	Braze connection	Braze connection
			Φ, mm (inch)	22.22 (7/8)	22.22 (7/8)	22.22 (7/8)
	Gas Pipe		Type	Braze connection	Braze connection	Braze connection
			Φ, mm (inch)	53.98 (2-1/8)	53.98 (2-1/8)	53.98 (2-1/8)
	High pressure Gas Pipe(HR Only)		Type	-	-	-
			Φ, mm (inch)	-	-	-
	Heat Insulation		-	Both liquid and gas pipes	Both liquid and gas pipes	Both liquid and gas pipes
	Piping length (ODU-IDU)	Max. [Equiv.]	m	200 [220]	200 [220]	200 [220]
	Piping length (1st Branch-IDU)	Max.	m	90	90	90
	Total piping length (System)	Max.	m	1,000	1,000	1,000
	Level difference (ODU in highest position)	Max.	m	110	110	110
	Level difference (IDU in highest position)	Max.	m	110	110	110
	Level difference (IDU-IDU)	Max.	m	50	50	50

2. Specifications

Wiring connections	Transmission Cable		mm^2	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	14.0 x 3	14.0 x 3	14.0 x 3
Sound	Sound Pressure	Cooling	dB(A)	74	74	74
	Sound Pressure	Heating	dB(A)	76	76	76
	Sound Power		dB(A)	95	95	95
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 ~ 48	-5 ~ 48	-5 ~ 48
	Heating		℃	-25 ~ 24	-25 ~ 24	-25 ~ 24

NOTE

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

1) Nominal capacities are based on (Equivalent refrigerant piping 7.5m, Level differences 0m);
   - Cooling : Indoor temperature 27°C DB, 19°C WB / Outdoor temperature 35°C DB, 24°C WB
   - Heating : Indoor temperature 20°C DB, 15°C WB / Outdoor temperature 7°C DB, 6°C WB
2) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
3) 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
4) These products contain R410A which is fluorinated greenhouse gas.
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

Premium Energy Efficiency

					DVM S	DVM S	DVM S
Type					DVM S	DVM S	DVM S
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				Ø, #, 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	61.6	67.2	72.8
				Btu/h	210,200	229,300	248,400
		Heating		kW	69.3	75.6	81.9
				Btu/h	236,500	258,000	279,500
Maximum number of connectable indoor units				EA	40	43	47
Total capacity of the connected Indoor Units		Min.		kW	30.8	33.6	36.4
Total capacity of the connected Indoor Units		Max.		kW	80.1	87.4	94.6
Power	Power Input (Nominal)	Cooling		kW	13.79	15.14	15.27
		Heating		kW	13.45	15.12	15.11
	Current Input (Nominal)	Cooling		A	22.10	24.20	24.50
		Heating		A	21.50	24.20	24.30
	Current	Minimum Ssc		MVA	9.8	10.6	11.9
		MCA		A	46.1	50	57.2
		MFA		A	63	63	63
Efficiency	EER (Nominal)	Cooling		W/W	4.47	4.44	4.77
	COP (Nominal)	Heating		W/W	5.15	5.00	5.42
	ESEER			W/W	7.32	7.23	7.48
Casing	Material	Body		-	EGI Steel Plate	EGI Steel Plate	EGI Steel Plate
		Base		-	EGI Steel Plate	EGI Steel Plate	EGI Steel Plate
Heat Exchanger	Type			-	Fin & Tube	Fin & Tube	Fin & Tube
	Material	Fin		-	Al	Al	Al
		Tube		-	Cu	Cu	Cu
	Fin Treatment			-	Anti-corrosion	Anti-corrosion	Anti-corrosion
Compressor	Model Name			-	DS-GB066FAVBSG x 2	DS-GB066FAVBSG x 2	DS-GB066FAVB x 2 + DSGB052FAVBSG x 1
	Output			kW x n	(6.39 x 1) x 2	(6.39 x 1) x 2	(5.18 x 1) x 1 + (6.39 x 2) x 1
	Oil	Type		-	PVE	PVE	PVE
		Initial charge		cc x n	(1,100 x 1) x 2	(1,100 x 1) x 2	(1,100 x 1) x 1 + (1,100 x 2) x 1
Fan	Type			-	Propeller	Propeller	Propeller
	Discharge direction			-	Top	Top	Top
	Quantity			EA	2	2	3
	Air Flow Rate			m^3/min	170 x 1 + 220 x 1	220 x 2	170 x 1 + 290 x 1
				l/s	2,833 x 1 + 3,667 x 1	3,667 x 2	2,833 x 1 + 4,833 x 1
	External Static Pressure	Max.		mmAq	8	8	8
				Pa	78.45	78.45	78.45
Fan Motor	Type			-	BLDC Motor	BLDC Motor	BLDC Motor
	Output			W x n	(830 x 1) x 2	(830 x 1) x 2	(830 x 1) x 1 + (620 x 2) x 1
Piping Connections	Liquid Pipe			Type	Braze connection	Braze connection	Braze connection
				Φ, mm (inch)	15.88 (5/8)	15.88 (5/8)	19.05 (3/4)
	Gas Pipe			Type	Braze connection	Braze connection	Braze connection
				Φ, mm (inch)	28.58 (1-1/8)	34.92 (1-3/8)	34.92 (1-3/8)
	High pressure Gas Pipe(HR Only)			Type	-	-	-
				Φ, mm (inch)	-	-	-
	Heat Insulation			-	Both liquid and gas pipes	Both liquid and gas pipes	Both liquid and gas pipes
	Piping length (ODU-IDU)	Max. [Equiv.]		m	200 [220]	200 [220]	200 [220]
	Piping length (1st Branch-IDU)	Max.		m	90	90	90
	Total piping length (System)	Max.		m	1,000	1,000	1,000
	Level difference (ODU in highest position)	Max.		m	110	110	110
	Level difference (IDU in highest position)	Max.		m	110	110	110
	Level difference (IDU-IDU)	Max.		m	50	50	50

2. Specifications

Wiring connections	Transmission Cable		mm^2	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	6.5 x 2	6.5 x 2	6.5 x 1 + 8.4 x 1
Sound	Sound Pressure	Cooling	dB(A)	63	65	66
	Sound Pressure	Heating	dB(A)	65	67	68
	Sound Power		dB(A)	83	84	89
External Dimension	Net Weight		kg	195.5 x 2	195.5 x 2	195.5 x 1 + 285.0 x 1
	Shipping Weight		kg	211.5 x 2	211.5 x 2	211.5 x 1 + 305.0 x 1
	Net Dimensions (WxHxD)		mm	(880 x 1,695 x 765) x 2	(880 x 1,695 x 765) x 2	(880 x 1,695 x 765) x 1 + (1,295 x 1,695 x 765) x 1
	Shipping Dimensions (WxHxD)		mm	(948 x 1,887 x 832) x 2	(948 x 1,887 x 832) x 2	(948 x 1,887 x 832) x 1 + (1,363 x 1,887 x 832) x 1
Operating Temp. Range	Cooling		°C	-5 ~ 48	-5 ~ 48	-5 ~ 48
	Heating		°C	-25 ~ 24	-25 ~ 24	-25 ~ 24

NOTE

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

1) Nominal capacities are based on (Equivalent refrigerant piping 7.5m, Level differences 0m);
   - Cooling : Indoor temperature 27°C DB, 19°C WB / Outdoor temperature 35°C DB, 24°C WB
   - Heating : Indoor temperature 20°C DB, 15°C WB / Outdoor temperature 7°C DB, 6°C WB
2) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
3) 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
4) These products contain R410A which is fluorinated greenhouse gas.
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

Premium Energy Efficiency

				DVM S	DVM S	DVM S
Type				DVM S	DVM S	DVM S
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			Ø, #, 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	78.4	84.0	90.4
			Btu/h	267,500	286,600	308,500
		Heating	kW	88.2	94.5	101.7
			Btu/h	301,000	322,400	347,000
Maximum number of connectable indoor units			EA	51	54	58
Total capacity of the connected Indoor Units		Min.	kW	39.2	42.0	45.2
Total capacity of the connected Indoor Units		Max.	kW	101.9	109.2	117.5
Power	Power Input (Nominal)	Cooling	kW	17.09	18.25	19.57
		Heating	kW	17.34	18.08	20.14
	Current Input (Nominal)	Cooling	A	27.40	29.20	31.40
		Heating	A	27.90	29.00	32.30
	Current	Minimum Ssc	MVA	11.2	14.1	14.2
		MCA	A	60	64.2	64.2
		MFA	A	75	75	75
Efficiency	EER (Nominal)	Cooling	W/W	4.59	4.60	4.62
	COP (Nominal)	Heating	W/W	5.09	5.23	5.05
	ESEER		W/W	7.16	7.24	7.48
Casing	Material	Body	-	EGI Steel Plate	EGI Steel Plate	EGI Steel Plate
		Base	-	EGI Steel Plate	EGI Steel Plate	EGI Steel Plate
Heat Exchanger	Type		-	Fin & Tube	Fin & Tube	Fin & Tube
	Material	Fin	-	Al	Al	Al
		Tube	-	Cu	Cu	Cu
	Fin Treatment		-	Anti-corrosion	Anti-corrosion	Anti-corrosion
Compressor	Model Name		-	DS-GB066FAVB x 2 + DSGB052FAVBSG x 1	DS-GB066FAVB x 2 + DSGB066FAVBSG x 1	DS-GB066FAVB x 3
	Output		kW x n	(5.18 x 1) x 1 + (6.39 x 2) x 1	(6.39 x 1) x 1 + (6.39 x 2) x 1	(6.39 x 1) x 1 + (6.39 x 2) x 1
	Oil	Type	-	PVE	PVE	PVE
		Initial charge	cc x n	(1,100 x 1) x 1 + (1,100 x 2) x 1	(1,100 x 1) x 1 + (1,100 x 2) x 1	(1,100 x 1) x 1 + (1,100 x 2) x 1
Fan	Type		-	Propeller	Propeller	Propeller
	Discharge direction		-	Top	Top	Top
	Quantity		EA	3	3	4
	Air Flow Rate		m^3/min	170 x 1 + 290 x 1	220 x 1 + 290 x 1	255 x 1 + 290 x 1
			l/s	2,833 x 1 + 4,833 x 1	3,667 x 1 + 4,833 x 1	4,250 x 1 + 4,833 x 1
	External Static Pressure	Max.	mmAq	8	8	8
			Pa	78.45	78.45	78.45
Fan Motor	Type		-	BLDC Motor	BLDC Motor	BLDC Motor
	Output		W x n	(830 x 1) x 1 + (620 x 2) x 1	(830 x 1) x 1 + (620 x 2) x 1	(620 x 2) x 2
Piping Connections	Liquid Pipe		Type	Braze connection	Braze connection	Braze connection
			Φ, mm (inch)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)
	Gas Pipe		Type	Braze connection	Braze connection	Braze connection
			Φ, mm (inch)	34.92 (1-3/8)	34.92 (1-3/8)	34.92 (1-3/8)
	High pressure Gas Pipe(HR Only)		Type	-	-	-
			Φ, mm (inch)	-	-	-
	Heat Insulation		-	Both liquid and gas pipes	Both liquid and gas pipes	Both liquid and gas pipes
	Piping length (ODU-IDU)	Max. [Equiv.]	m	200 [220]	200 [220]	200 [220]
	Piping length (1st Branch-IDU)	Max.	m	90	90	90
	Total piping length (System)	Max.	m	1,000	1,000	1,000
	Level difference (ODU in highest position)	Max.	m	110	110	110
	Level difference (IDU in highest position)	Max.	m	110	110	110
	Level difference (IDU-IDU)	Max.	m	50	50	50

2. Specifications

Wiring connections	Transmission Cable		mm^2	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	6.5 x 1 + 8.4 x 1	6.5 x 1 + 8.4 x 1	9.4 x 1 + 8.4 x 1
Sound	Sound Pressure	Cooling	dB(A)	66	67	66
	Sound Pressure	Heating	dB(A)	68	69	68
	Sound Power		dB(A)	89	90	90
External Dimension	Net Weight		kg	195.5 x 1 + 285.0 x 1	195.5 x 1 + 285.0 x 1	241.0 x 1 + 285.0 x 1
	Shipping Weight		kg	211.5 x 1 + 305.0 x 1	211.5 x 1 + 305.0 x 1	261.0 x 1 + 305.0 x 1
	Net Dimensions (WxHxD)		mm	(880 x 1,695 x 765) x 1 + (1,295 x 1,695 x 765) x 1	(880 x 1,695 x 765) x 1 + (1,295 x 1,695 x 765) x 1	(1,295 x 1,695 x 765) x 2
	Shipping Dimensions (WxHxD)		mm	(948 x 1,887 x 832) x 1 + (1,363 x 1,887 x 832) x 1	(948 x 1,887 x 832) x 1 + (1,363 x 1,887 x 832) x 1	(1,363 x 1,887 x 832) x 2
Operating Temp. Range	Cooling		°C	-5 ~ 48	-5 ~ 48	-5 ~ 48
	Heating		°C	-25 ~ 24	-25 ~ 24	-25 ~ 24

NOTE

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

1) Nominal capacities are based on (Equivalent refrigerant piping 7.5m, Level differences 0m);
   - Cooling : Indoor temperature 27°C DB, 19°C WB / Outdoor temperature 35°C DB, 24°C WB
   - Heating : Indoor temperature 20°C DB, 15°C WB / Outdoor temperature 7°C DB, 6°C WB
2) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
3) 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
4) These products contain R410A which is fluorinated greenhouse gas.
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

Premium Energy Efficiency

Type				DVM S	DVM S	DVM S
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			Ø, #, 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	95.2	100.8	106.4
			Btu/h	324,800	343,900	363,100
		Heating	kW	107.1	113.4	119.7
			Btu/h	365,400	386,900	408,400
Maximum number of connectable indoor units			EA	61	64	64
Total capacity of the connected Indoor Units		Min.	kW	47.6	50.4	53.2
Total capacity of the connected Indoor Units		Max.	kW	123.8	131.0	138.3
Power	Power Input (Nominal)	Cooling	kW	19.86	21.36	23.18
		Heating	kW	19.70	21.04	23.27
	Current Input (Nominal)	Cooling	A	31.90	34.20	37.10
		Heating	A	31.70	33.80	37.40
	Current	Minimum Ssc	MVA	15	17.6	16.9
		MCA	A	75.2	78.4	81.2
		MFA	A	90	90	90
Efficiency	EER (Nominal)	Cooling	W/W	4.79	4.72	4.59
	COP (Nominal)	Heating	W/W	5.44	5.39	5.14
	ESEER		W/W	7.60	7.25	7.02
Casing	Material	Body	-	EGI Steel Plate	EGI Steel Plate	EGI Steel Plate
		Base	-	EGI Steel Plate	EGI Steel Plate	EGI Steel Plate
Heat Exchanger	Type		-	Fin & Tube	Fin & Tube	Fin & Tube
	Material	Fin	-	Al	Al	Al
		Tube	-	Cu	Cu	Cu
	Fin Treatment		-	Anti-corrosion	Anti-corrosion	Anti-corrosion
Compressor	Model Name		-	DS-GB066FAVB x 2 + DSGB052FAVBSG x 2	DS-GB066FAVB x 4	DS-GB066FAVB x 4
	Output		kW x n	(5.18 x 1) x 2 + (6.39 x 2) x 1	(6.39 x 2) x 2	(6.39 x 2) x 2
	Oil	Type	-	PVE	PVE	PVE
		Initial charge	cc x n	(1,100 x 1) x 2 + (1,100 x 2) x 1	(1,100 x 2) x 2	(1,100 x 2) x 2
Fan	Type		-	Propeller	Propeller	Propeller
	Discharge direction		-	Top	Top	Top
	Quantity		EA	4	4	4
	Air Flow Rate		m^3/min	170 x 2 + 290 x 1	290 x 2	290 x 2
			l/s	2,833 x 2 + 4,833 x 1	4,833 x 2	4,833 x 2
	External Static Pressure	Max.	mmAq	8	8	8
			Pa	78.45	78.45	78.45
Fan Motor	Type		-	BLDC Motor	BLDC Motor	BLDC Motor
	Output		W x n	(830 x 1) x 2 + (620 x 2) x 1	(620 x 2) x 2	(620 x 2) x 2
Piping Connections	Liquid Pipe		Type	Braze connection	Braze connection	Braze connection
			Φ, mm (inch)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)
	Gas Pipe		Type	Braze connection	Braze connection	Braze connection
			Φ, mm (inch)	34.92 (1-3/8)	41.28 (1-5/8)	41.28 (1-5/8)
	High pressure Gas Pipe(HR Only)		Type	-	-	-
			Φ, mm (inch)	-	-	-
	Heat Insulation		-	Both liquid and gas pipes	Both liquid and gas pipes	Both liquid and gas pipes
	Piping length (ODU-IDU)	Max. [Equiv.]	m	200 [220]	200 [220]	200 [220]
	Piping length (1st Branch-IDU)	Max.	m	90	90	90
	Total piping length (System)	Max.	m	1,000	1,000	1,000
	Level difference (ODU in highest position)	Max.	m	110	110	110
	Level difference (IDU in highest position)	Max.	m	110	110	110
	Level difference (IDU-IDU)	Max.	m	50	50	50

2. Specifications

Wiring connections	Transmission Cable		mm^2	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	6.5 x 2 + 8.4 x 1	8.4 x 2	8.4 x 2
Sound	Sound Pressure	Cooling	dB(A)	66	68	68
	Sound Pressure	Heating	dB(A)	68	70	70
	Sound Power		dB(A)	90	92	92
External Dimension	Net Weight		kg	195.5 x 2 + 285.0 x 1	285.0 x 2	285.0 x 2
	Shipping Weight		kg	211.5 x 2 + 305.0 x 1	305.0 x 2	305.0 x 2
	Net Dimensions (WxHxD)		mm	(880 x 1,695 x 765) x 2 + (1,295 x 1,695 x 765) x 1	(1,295 x 1,695 x 765) x 2	(1,295 x 1,695 x 765) x 2
	Shipping Dimensions (WxHxD)		mm	(948 x 1,887 x 832) x 2 + (1,363 x 1,887 x 832) x 1	(1,363 x 1,887 x 832) x 2	(1,363 x 1,887 x 832) x 2
Operating Temp. Range	Cooling		°C	-5 ~ 48	-5 ~ 48	-5 ~ 48
	Heating		°C	-25 ~ 24	-25 ~ 24	-25 ~ 24

NOTE

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

1) Nominal capacities are based on (Equivalent refrigerant piping 7.5m, Level differences 0m);
   - Cooling : Indoor temperature 27°C DB, 19°C WB / Outdoor temperature 35°C DB, 24°C WB
   - Heating : Indoor temperature 20°C DB, 15°C WB / Outdoor temperature 7°C DB, 6°C WB
2) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
3) 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
4) These products contain R410A which is fluorinated greenhouse gas.
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

Premium Energy Efficiency

Type				DVM S	DVM S	DVM S
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			Ø, #, 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	112.8	118.4	123.2
			Btu/h	384,900	404,000	420,400
		Heating	kW	126.9	133.2	138.6
			Btu/h	433,000	454,500	472,900
Maximum number of connectable indoor units			EA	64	64	64
Total capacity of the connected Indoor Units		Min.	kW	56.4	59.2	61.6
Total capacity of the connected Indoor Units		Max.	kW	146.6	153.9	160.2
Power	Power Input (Nominal)	Cooling	kW	24.16	25.98	25.95
		Heating	kW	24.73	26.96	25.63
	Current Input (Nominal)	Cooling	A	38.80	41.70	41.60
		Heating	A	39.70	43.30	41.20
	Current	Minimum Ssc	MVA	17.3	16.6	20.7
		MCA	A	82.2	85	96.4
		MFA	A	90	100	125
Efficiency	EER (Nominal)	Cooling	W/W	4.67	4.56	4.75
	COP (Nominal)	Heating	W/W	5.13	4.94	5.41
	ESEER		W/W	7.59	7.36	7.39
Casing	Material	Body	-	EGI Steel Plate	EGI Steel Plate	EGI Steel Plate
		Base	-	EGI Steel Plate	EGI Steel Plate	EGI Steel Plate
Heat Exchanger	Type		-	Fin & Tube	Fin & Tube	Fin & Tube
	Material	Fin	-	Al	Al	Al
		Tube	-	Cu	Cu	Cu
	Fin Treatment		-	Anti-corrosion	Anti-corrosion	Anti-corrosion
Compressor	Model Name		-	DS-GB066FAVB x 3 + DSGB052FAVBSG x 1	DS-GB066FAVB x 3 + DSGB052FAVBSG x 1	DS-GB066FAVB x 4 + DSGB052FAVBSG x 1
	Output		kW x n	(5.18 x 1) x 1 + (6.39 x 1) x 1 + (6.39 x 2) x 1	(5.18 x 1) x 1 + (6.39 x 1) x 1 + (6.39 x 2) x 1	(5.18 x 1) x 1 + (6.39 x 2) x 2
	Oil	Type	-	PVE	PVE	PVE
		Initial charge	cc x n	(1,100 x 1) x 2 + (1,100 x 2) x 1	(1,100 x 1) x 2 + (1,100 x 2) x 1	(1,100 x 1) x 1 + (1,100 x 2) x 2
Fan	Type		-	Propeller	Propeller	Propeller
	Discharge direction		-	Top	Top	Top
	Quantity		EA	5	5	5
	Air Flow Rate		m^2/min	170 x 1 + 255 x 1 + 290 x 1	170 x 1 + 255 x 1 + 290 x 1	170 x 1 + 290 x 2
			l/s	2,833 x 1 + 4,250 x 1 + 4,833 x 1	2,833 x 1 + 4,250 x 1 + 4,833 x 1	2,833 x 1 + 4,833 x 2
	External Static Pressure	Max.	mmAq	8	8	8
			Pa	78.45	78.45	78.45
Fan Motor	Type		-	BLDC Motor	BLDC Motor	BLDC Motor
	Output		W x n	(830 x 1) x 1 + (620 x 2) x 2	(830 x 1) x 1 + (620 x 2) x 2	(830 x 1) x 1 + (620 x 2) x 2
Piping Connections	Liquid Pipe		Type	Braze connection	Braze connection	Braze connection
			Φ, mm (inch)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)
	Gas Pipe		Type	Braze connection	Braze connection	Braze connection
			Φ, mm (inch)	41.28 (1-5/8)	41.28 (1-5/8)	41.28 (1-5/8)
	High pressure Gas Pipe(HR Only)		Type	-	-	-
			Φ, mm (inch)	-	-	-
	Heat Insulation		-	Both liquid and gas pipes	Both liquid and gas pipes	Both liquid and gas pipes
	Piping length (ODU-IDU)	Max. [Equiv.]	m	200 [220]	200 [220]	200 [220]
	Piping length (1st Branch-IDU)	Max.	m	90	90	90
	Total piping length (System)	Max.	m	1,000	1,000	1,000
	Level difference (ODU in highest position)	Max.	m	110	110	110
	Level difference (IDU in highest position)	Max.	m	110	110	110
	Level difference (IDU-IDU)	Max.	m	50	50	50

2. Specifications

Wiring connections	Transmission Cable		mm^2	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	6.5 x 1 + 9.4 x 1 + 8.4 x 1	6.5 x 1 + 9.4 x 1 + 8.4 x 1	6.5 x 1 + 8.4 x 2
Sound	Sound Pressure	Cooling	dB(A)	67	67	68
	Sound Pressure	Heating	dB(A)	69	69	70
	Sound Power		dB(A)	90	90	92
External Dimension	Net Weight		kg	195.5 x 1 + 241.0 x 1 + 285.0 x 1	195.5 x 1 + 241.0 x 1 + 285.0 x 1	195.5 x 1 + 285.0 x 2
	Shipping Weight		kg	211.5 x 1 + 261.0 x 1 + 305.0 x 1	211.5 x 1 + 261.0 x 1 + 305.0 x 1	211.5 x 1 + 305.0 x 2
	Net Dimensions (WxHxD)		mm	(880 x 1,695 x 765) x 1 + (1,295 x 1,695 x 765) x 2	(880 x 1,695 x 765) x 1 + (1,295 x 1,695 x 765) x 2	(880 x 1,695 x 765) x 1 + (1,295 x 1,695 x 765) x 2
	Shipping Dimensions (WxHxD)		mm	(948 x 1,887 x 832) x 1 + (1,363 x 1,887 x 832) x 2	(948 x 1,887 x 832) x 1 + (1,363 x 1,887 x 832) x 2	(948 x 1,887 x 832) x 1 + (1,363 x 1,887 x 832) x 2
Operating Temp. Range	Cooling		℃	-5 ~ 48	-5 ~ 48	-5 ~ 48
	Heating		℃	-25 ~ 24	-25 ~ 24	-25 ~ 24

NOTE

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

1) Nominal capacities are based on (Equivalent refrigerant piping 7.5m, Level differences 0m);
   - Cooling : Indoor temperature 27°C DB, 19°C WB / Outdoor temperature 35°C DB, 24°C WB
   - Heating : Indoor temperature 20°C DB, 15°C WB / Outdoor temperature 7°C DB, 6°C WB
2) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
3) 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
4) These products contain R410A which is fluorinated greenhouse gas.
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

Premium Energy Efficiency

Type				DVM S	DVM S	DVM S
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			Ø, #, 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	128.8	134.4	140.8
			Btu/h	439,500	458,600	480,400
		Heating	kW	144.9	151.2	158.4
			Btu/h	494,400	515,900	540,500
Maximum number of connectable indoor units			EA	64	64	64
Total capacity of the connected Indoor Units		Min.	kW	64.4	67.2	70.4
Total capacity of the connected Indoor Units		Max.	kW	167.4	174.7	183.0
Power	Power Input (Nominal)	Cooling	kW	27.77	29.59	30.25
		Heating	kW	27.86	30.09	30.66
	Current Input (Nominal)	Cooling	A	44.50	47.40	48.50
		Heating	A	44.80	48.40	49.20
	Current	Minimum Ssc	MVA	20	19.3	23
		MCA	A	99.2	102	103.4
		MFA	A	125	125	125
Efficiency	EER (Nominal)	Cooling	W/W	4.64	4.54	4.65
	COP (Nominal)	Heating	W/W	5.20	5.02	5.17
	ESEER		W/W	7.19	7.02	7.40
Casing	Material	Body	-	EGI Steel Plate	EGI Steel Plate	EGI Steel Plate
		Base	-	EGI Steel Plate	EGI Steel Plate	EGI Steel Plate
Heat Exchanger	Type		-	Fin & Tube	Fin & Tube	Fin & Tube
	Material	Fin	-	Al	Al	Al
		Tube	-	Cu	Cu	Cu
	Fin Treatment		-	Anti-corrosion	Anti-corrosion	Anti-corrosion
Compressor	Model Name		-	DS-GB066FAVB x 4 + DSGB052FAVBSG x 1	DS-GB066FAVB x 4 + DSGB052FAVBSG x 1	DS-GB066FAVB x 5
	Output		kW x n	(5.18 x 1) x 1 + (6.39 x 2) x 2	(5.18 x 1) x 1 + (6.39 x 2) x 2	(6.39 x 1) x 1 + (6.39 x 2) x 2
	Oil	Type	-	PVE	PVE	PVE
		Initial charge	cc x n	(1,100 x 1) x 1 + (1,100 x 2) x 2	(1,100 x 1) x 1 + (1,100 x 2) x 2	(1,100 x 1) x 1 + (1,100 x 2) x 2
Fan	Type		-	Propeller	Propeller	Propeller
	Discharge direction		-	Top	Top	Top
	Quantity		EA	5	5	6
	Air Flow Rate		m^2/min	170 x 1 + 290 x 2	170 x 1 + 290 x 2	255 x 1 + 290 x 2
			l/s	2,833 x 1 + 4,833 x 2	2,833 x 1 + 4,833 x 2	4,250 x 1 + 4,833 x 2
	External Static Pressure	Max.	mmAq	8	8	8
			Pa	78.45	78.45	78.45
Fan Motor	Type		-	BLDC Motor	BLDC Motor	BLDC Motor
	Output		W x n	(830 x 1) x 1 + (620 x 2) x 2	(830 x 1) x 1 + (620 x 2) x 2	(620 x 2) x 3
Piping Connections	Liquid Pipe		Type	Braze connection	Braze connection	Braze connection
			Φ, mm (inch)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)
	Gas Pipe		Type	Braze connection	Braze connection	Braze connection
			Φ, mm (inch)	41.28 (1-5/8)	41.28 (1-5/8)	41.28 (1-5/8)
	High pressure Gas Pipe(HR Only)		Type	-	-	-
			Φ, mm (inch)	-	-	-
	Heat Insulation		-	Both liquid and gas pipes	Both liquid and gas pipes	Both liquid and gas pipes
	Piping length (ODU-IDU)	Max. [Equiv.]	m	200 [220]	200 [220]	200 [220]
	Piping length (1st Branch-IDU)	Max.	m	90	90	90
	Total piping length (System)	Max.	m	1,000	1,000	1,000
	Level difference (ODU in highest position)	Max.	m	110	110	110
	Level difference (IDU in highest position)	Max.	m	110	110	110
	Level difference (IDU-IDU)	Max.	m	50	50	50

2. Specifications

Wiring connections	Transmission Cable		mm^2	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	6.5 x 1 + 8.4 x 2	6.5 x 1 + 8.4 x 2	9.4 x 1 + 8.4 x 2
Sound	Sound Pressure	Cooling	dB(A)	68	68	69
	Sound Pressure	Heating	dB(A)	70	70	71
	Sound Power		dB(A)	92	92	92
External Dimension	Net Weight		kg	195.5 x 1 + 285.0 x 2	195.5 x 1 + 285.0 x 2	241.0 x 1 + 285.0 x 2
	Shipping Weight		kg	211.5 x 1 + 305.0 x 2	211.5 x 1 + 305.0 x 2	261.0 x 1 + 305.0 x 2
	Net Dimensions (WxHxD)		mm	(880 x 1,695 x 765) x 1 + (1,295 x 1,695 x 765) x 2	(880 x 1,695 x 765) x 1 + (1,295 x 1,695 x 765) x 2	(1,295 x 1,695 x 765) x 3
	Shipping Dimensions (WxHxD)		mm	(948 x 1,887 x 832) x 1 + (1,363 x 1,887 x 832) x 2	(948 x 1,887 x 832) x 1 + (1,363 x 1,887 x 832) x 2	(1,363 x 1,887 x 832) x 3
Operating Temp. Range	Cooling		°C	-5 ~ 48	-5 ~ 48	-5 ~ 48
	Heating		°C	-25 ~ 24	-25 ~ 24	-25 ~ 24

NOTE

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

1) Nominal capacities are based on (Equivalent refrigerant piping 7.5m, Level differences 0m);
   - Cooling : Indoor temperature 27°C DB, 19°C WB / Outdoor temperature 35°C DB, 24°C WB
   - Heating : Indoor temperature 20°C DB, 15°C WB / Outdoor temperature 7°C DB, 6°C WB
2) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
3) 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
4) These products contain R410A which is fluorinated greenhouse gas.
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

Premium Energy Efficiency

Type				DVM S	DVM S	DVM S
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			Ø, #, 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	145.6	151.2	156.8
			Btu/h	496,800	515,900	535,000
		Heating	kW	163.8	170.1	176.4
			Btu/h	558,900	580,400	601,900
Maximum number of connectable indoor units			EA	64	64	64
Total capacity of the connected Indoor Units		Min.	kW	72.8	75.6	78.4
Total capacity of the connected Indoor Units		Max.	kW	189.3	196.6	203.8
Power	Power Input (Nominal)	Cooling	kW	32.60	34.42	35.58
		Heating	kW	32.17	34.40	35.14
	Current Input (Nominal)	Cooling	A	52.30	55.20	57.00
		Heating	A	51.70	55.30	56.40
	Current	Minimum Ssc	MVA	24.1	23.4	26.3
		MCA	A	117.2	120	124.2
		MFA	A	150	150	150
Efficiency	EER (Nominal)	Cooling	W/W	4.47	4.39	4.41
	COP (Nominal)	Heating	W/W	5.09	4.94	5.02
	ESEER		W/W	7.33	7.16	7.21
Casing	Material	Body	-	EGI Steel Plate	EGI Steel Plate	EGI Steel Plate
		Base	-	EGI Steel Plate	EGI Steel Plate	EGI Steel Plate
Heat Exchanger	Type		-	Fin & Tube	Fin & Tube	Fin & Tube
	Material	Fin	-	Al	Al	Al
		Tube	-	Cu	Cu	Cu
	Fin Treatment		-	Anti-corrosion	Anti-corrosion	Anti-corrosion
Compressor	Model Name		-	DS-GB066FAVB x 2 + DS4GJ5080FVA x 2 + DSGB052FAVBSG x 1	DS-GB066FAVB x 2 + DS4GJ5080FVA x 2 + DSGB052FAVBSG x 1	DS-GB066FAVB x 2 + DS4GJ5080FVA x 2 + DSGB066FAVBSG x 1
	Output		kW x n	(5.18 x 1) x 1 + (6.39 x 2) x 1 + (7.81 x 2) x 1	(5.18 x 1) x 1 + (6.39 x 2) x 1 + (7.81 x 2) x 1	(6.39 x 1) x 1 + (6.39 x 2) x 1 + (7.81 x 2) x 1
	Oil	Type	-	PVE	PVE	PVE
		Initial charge	cc x n	(1,100 x 1) x 1 + (1,100 x 2) x 1 + (1,400 x 2) x 1	(1,100 x 1) x 1 + (1,100 x 2) x 1 + (1,400 x 2) x 1	(1,100 x 1) x 1 + (1,100 x 2) x 1 + (1,400 x 2) x 1
Fan	Type		-	Propeller	Propeller	Propeller
	Discharge direction		-	Top	Top	Top
	Quantity		EA	5	5	5
	Air Flow Rate		m^2/min	170 x 1 + 290 x 1 + 340 x 1	170 x 1 + 290 x 1 + 340 x 1	220 x 1 + 290 x 1 + 340 x 1
			l/s	2,833 x 1 + 4,833 x 1 + 5,667 x 1	2,833 x 1 + 4,833 x 1 + 5,667 x 1	3,667 x 1 + 4,833 x 1 + 5,667 x 1
	External Static Pressure	Max.	mmAq	8	8	8
			Pa	78.45	78.45	78.45
Fan Motor	Type		-	BLDC Motor	BLDC Motor	BLDC Motor
	Output		W x n	(830 x 1) x 1 + (620 x 2) x 2	(830 x 1) x 1 + (620 x 2) x 2	(830 x 1) x 1 + (620 x 2) x 2
Piping Connections	Liquid Pipe		Type	Braze connection	Braze connection	Braze connection
			Φ, mm (inch)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)
	Gas Pipe		Type	Braze connection	Braze connection	Braze connection
			Φ, mm (inch)	41.28 (1-5/8)	41.28 (1-5/8)	41.28 (1-5/8)
	High pressure Gas Pipe(HR Only)		Type	-	-	-
			Φ, mm (inch)	-	-	-
	Heat Insulation		-	Both liquid and gas pipes	Both liquid and gas pipes	Both liquid and gas pipes
	Piping length (ODU-IDU)	Max. [Equiv.]	m	200 [220]	200 [220]	200 [220]
	Piping length (1st Branch-IDU)	Max.	m	90	90	90
	Total piping length (System)	Max.	m	1,000	1,000	1,000
	Level difference (ODU in highest position)	Max.	m	110	110	110
	Level difference (IDU in highest position)	Max.	m	110	110	110
	Level difference (IDU-IDU)	Max.	m	50	50	50

2. Specifications

Wiring connections	Transmission Cable		mm^2	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	6.5 x 1 + 8.4 x 1 + 14.0 x 1	6.5 x 1 + 8.4 x 1 + 14.0 x 1	6.5 x 1 + 8.4 x 1 + 14.0 x 1
Sound	Sound Pressure	Cooling	dB(A)	71	71	71
	Sound Pressure	Heating	dB(A)	73	73	73
	Sound Power		dB(A)	93	93	93
External Dimension	Net Weight		kg	195.5 x 1 + 285.0 x 1 + 350.0 x 1	195.5 x 1 + 285.0 x 1 + 350.0 x 1	195.5 x 1 + 285.0 x 1 + 350.0 x 1
	Shipping Weight		kg	211.5 x 1 + 305.0 x 1 + 372.0 x 1	211.5 x 1 + 305.0 x 1 + 372.0 x 1	211.5 x 1 + 305.0 x 1 + 372.0 x 1
	Net Dimensions (WxHxD)		mm	(880 x 1,695 x 765) x 1 + (1,295 x 1,695 x 765) x 1 + (1,295 x 1,795 x 765) x 1	(880 x 1,695 x 765) x 1 + (1,295 x 1,695 x 765) x 1 + (1,295 x 1,795 x 765) x 1	(880 x 1,695 x 765) x 1 + (1,295 x 1,695 x 765) x 1 + (1,295 x 1,795 x 765) x 1
	Shipping Dimensions (WxHxD)		mm	(948 x 1,887 x 832) x 1 + (1,363 x 1,887 x 832) x 1 + (1,363 x 1,987 x 832) x 1	(948 x 1,887 x 832) x 1 + (1,363 x 1,887 x 832) x 1 + (1,363 x 1,987 x 832) x 1	(948 x 1,887 x 832) x 1 + (1,363 x 1,887 x 832) x 1 + (1,363 x 1,987 x 832) x 1
Operating Temp. Range	Cooling		℃	-5 ~ 48	-5 ~ 48	-5 ~ 48
	Heating		℃	-25 ~ 24	-25 ~ 24	-25 ~ 24

NOTE

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

1) Nominal capacities are based on (Equivalent refrigerant piping 7.5m, Level differences 0m);
   - Cooling : Indoor temperature 27°C DB, 19°C WB / Outdoor temperature 35°C DB, 24°C WB
   - Heating : Indoor temperature 20°C DB, 15°C WB / Outdoor temperature 7°C DB, 6°C WB
2) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
3) 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
4) These products contain R410A which is fluorinated greenhouse gas.
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

Premium Energy Efficiency

Type				DVM S	DVM S	DVM S
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			Ø, #, 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	162.4	168.0	173.6
			Btu/h	554,100	573,200	592,300
		Heating	kW	182.7	189.0	195.3
			Btu/h	623,400	644,900	666,400
Maximum number of connectable indoor units			EA	64	64	64
Total capacity of the connected Indoor Units		Min.	kW	81.2	84.0	86.8
Total capacity of the connected Indoor Units		Max.	kW	211.1	218.4	225.7
Power	Power Input (Nominal)	Cooling	kW	37.92	37.36	36.63
		Heating	kW	37.08	36.47	36.15
	Current Input (Nominal)	Cooling	A	60.90	59.90	58.70
		Heating	A	59.50	58.50	58.10
	Current	Minimum Ssc	MVA	27.8	30.1	29.5
		MCA	A	133	133.4	135.6
		MFA	A	150	150	150
Efficiency	EER (Nominal)	Cooling	W/W	4.28	4.50	4.74
	COP (Nominal)	Heating	W/W	4.93	5.18	5.40
	ESEER		W/W	7.29	7.22	7.35
Casing	Material	Body	-	EGI Steel Plate	EGI Steel Plate	EGI Steel Plate
		Base	-	EGI Steel Plate	EGI Steel Plate	EGI Steel Plate
Heat Exchanger	Type		-	Fin & Tube	Fin & Tube	Fin & Tube
	Material	Fin	-	Al	Al	Al
		Tube	-	Cu	Cu	Cu
	Fin Treatment		-	Anti-corrosion	Anti-corrosion	Anti-corrosion
Compressor	Model Name		-	DS-GB070FAVA x 2 + DS4GJ5080FVA x 2 + DSGB052FAVBSG x 1	DS-GB066FAVB x 4 + DSGB070FAVA x 2	DS-GB066FAVB x 6 + DSGB052FAVBSG x 1
	Output		kW x n	(5.18 x 1) x 1 + (6.76 x 2) x 1 + (7.81 x 2) x 1	(6.39 x 2) x 2 + (6.76 x 2) x 1	(5.18 x 1) x 1 + (6.39 x 2) x 3
	Oil	Type	-	PVE	PVE	PVE
		Initial charge	cc x n	(1,100 x 1) x 1 + (1,100 x 2) x 1 + (1,400 x 2) x 1	(1,100 x 2) x 3	(1,100 x 1) x 1 + (1,100 x 2) x 3
Fan	Type		-	Propeller	Propeller	Propeller
	Discharge direction		-	Top	Top	Top
	Quantity		EA	5	6	7
	Air Flow Rate		m^3/min	170 x 1 + 340 x 2	290 x 2 + 340 x 1	170 x 1 + 290 x 3
			l/s	2,833 x 1 + 5,667 x 2	4,833 x 2 + 5,667 x 1	2,833 x 1 + 4,833 x 3
	External Static Pressure	Max.	mmAq	8	8	8
			Pa	78.45	78.45	78.45
Fan Motor	Type		-	BLDC Motor	BLDC Motor	BLDC Motor
	Output		W x n	(830 x 1) x 1 + (620 x 2) x 2	(620 x 2) x 3	(830 x 1) x 1 + (620 x 2) x 3
Piping Connections	Liquid Pipe		Type	Braze connection	Braze connection	Braze connection
			Φ, mm (inch)	19.05 (3/4)	19.05 (3/4)	22.22 (7/8)
	Gas Pipe		Type	Braze connection	Braze connection	Braze connection
			Φ, mm (inch)	41.28 (1-5/8)	41.28 (1-5/8)	53.98 (2-1/8)
	High pressure Gas Pipe(HR Only)		Type	-	-	-
			Φ, mm (inch)	-	-	-
	Heat Insulation		-	Both liquid and gas pipes	Both liquid and gas pipes	Both liquid and gas pipes
	Piping length (ODU-IDU)	Max. [Equiv.]	m	200 [220]	200 [220]	200 [220]
	Piping length (1st Branch-IDU)	Max.	m	90	90	90
	Total piping length (System)	Max.	m	1,000	1,000	1,000
	Level difference (ODU in highest position)	Max.	m	110	110	110
	Level difference (IDU in highest position)	Max.	m	110	110	110
	Level difference (IDU-IDU)	Max.	m	50	50	50

2. Specifications

Wiring connections	Transmission Cable		mm^2	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	6.5 x 1 + 14.0 x 2	8.4 x 2 + 14.0 x 1	6.5 x 1 + 8.4 x 3
Sound	Sound Pressure	Cooling	dB(A)	72	72	70
	Sound Pressure	Heating	dB(A)	74	74	72
	Sound Power		dB(A)	93	94	94
External Dimension	Net Weight		kg	195.5 x 1 + 342.0 x 1 + 350.0 x 1	285.0 x 2 + 342.0 x 1	195.5 x 1 + 285.0 x 3
	Shipping Weight		kg	211.5 x 1 + 364.0 x 1 + 372.0 x 1	305.0 x 2 + 364.0 x 1	211.5 x 1 + 305.0 x 3
	Net Dimensions (WxHxD)		mm	(880 x 1,695 x 765) x 1 + (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 1	(880 x 1,695 x 765) x 1 + (1,295 x 1,695 x 765) x 3
	Shipping Dimensions (WxHxD)		mm	(948 x 1,887 x 832) x 1 + (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 1	(948 x 1,887 x 832) x 1 + (1,363 x 1,887 x 832) x 3
Operating Temp. Range	Cooling		°C	-5 ~ 48	-5 ~ 48	-5 ~ 48
	Heating		°C	-25 ~ 24	-25 ~ 24	-25 ~ 24

NOTE

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

1) Nominal capacities are based on (Equivalent refrigerant piping 7.5m, Level differences 0m);
   - Cooling : Indoor temperature 27°C DB, 19°C WB / Outdoor temperature 35°C DB, 24°C WB
   - Heating : Indoor temperature 20°C DB, 15°C WB / Outdoor temperature 7°C DB, 6°C WB
2) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
3) 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
4) These products contain R410A which is fluorinated greenhouse gas.
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

Premium Energy Efficiency

Type				DVM S	DVM S	DVM S
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			Ø, #, 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	179.2	184.8	191.2
			Btu/h	611,500	630,600	652,400
		Heating	kW	201.6	207.9	215.1
			Btu/h	687,900	709,400	734,000
Maximum number of connectable indoor units			EA	64	64	64
Total capacity of the connected Indoor Units		Min.	kW	89.6	92.4	95.6
Total capacity of the connected Indoor Units		Max.	kW	233.0	240.2	248.6
Power	Power Input (Nominal)	Cooling	kW	38.45	39.61	40.93
		Heating	kW	38.38	39.12	41.18
	Current Input (Nominal)	Cooling	A	61.60	63.40	65.60
		Heating	A	61.70	62.80	66.10
	Current	Minimum Ssc	MVA	28.8	31.7	31.8
		MCA	A	138.4	142.6	142.6
		MFA	A	175	175	175
Efficiency	EER (Nominal)	Cooling	W/W	4.66	4.67	4.67
	COP (Nominal)	Heating	W/W	5.25	5.31	5.22
	ESEER		W/W	7.21	7.25	7.36
Casing	Material	Body	-	EGI Steel Plate	EGI Steel Plate	EGI Steel Plate
		Base	-	EGI Steel Plate	EGI Steel Plate	EGI Steel Plate
Heat Exchanger	Type		-	Fin & Tube	Fin & Tube	Fin & Tube
	Material	Fin	-	Al	Al	Al
		Tube	-	Cu	Cu	Cu
	Fin Treatment		-	Anti-corrosion	Anti-corrosion	Anti-corrosion
Compressor	Model Name		-	DS-GB066FAVB x 6 + DSGB052FAVBSG x 1	DS-GB066FAVB x 6 + DSGB066FAVBSG x 1	DS-GB066FAVB x 7
	Output		kW x n	(5.18 x 1) x 1 + (6.39 x 2) x 3	(6.39 x 1) x 1 + (6.39 x 2) x 3	(6.39 x 1) x 1 + (6.39 x 2) x 3
	Oil	Type	-	PVE	PVE	PVE
		Initial charge	cc x n	(1,100 x 1) x 1 + (1,100 x 2) x 3	(1,100 x 1) x 1 + (1,100 x 2) x 3	(1,100 x 1) x 1 + (1,100 x 2) x 3
Fan	Type		-	Propeller	Propeller	Propeller
	Discharge direction		-	Top	Top	Top
	Quantity		EA	7	7	8
	Air Flow Rate		m^3/min	170 x 1 + 290 x 3	220 x 1 + 290 x 3	255 x 1 + 290 x 3
			l/s	2,833 x 1 + 4,833 x 3	3,667 x 1 + 4,833 x 3	4,250 x 1 + 4,833 x 3
	External Static Pressure	Max.	mmAq	8	8	8
			Pa	78.45	78.45	78.45
Fan Motor	Type		-	BLDC Motor	BLDC Motor	BLDC Motor
	Output		W x n	(830 x 1) x 1 + (620 x 2) x 3	(830 x 1) x 1 + (620 x 2) x 3	(620 x 2) x 4
Piping Connections	Liquid Pipe		Type	Braze connection	Braze connection	Braze connection
			Φ, mm (inch)	22.22 (7/8)	22.22 (7/8)	22.22 (7/8)
	Gas Pipe		Type	Braze connection	Braze connection	Braze connection
			Φ, mm (inch)	53.98 (2-1/8)	53.98 (2-1/8)	53.98 (2-1/8)
	High pressure Gas Pipe(HR Only)		Type	-	-	-
			Φ, mm (inch)	-	-	-
	Heat Insulation		-	Both liquid and gas pipes	Both liquid and gas pipes	Both liquid and gas pipes
	Piping length (ODU-IDU)	Max. [Equiv.]	m	200 [220]	200 [220]	200 [220]
	Piping length (1st Branch-IDU)	Max.	m	90	90	90
	Total piping length (System)	Max.	m	1,000	1,000	1,000
	Level difference (ODU in highest position)	Max.	m	110	110	110
	Level difference (IDU in highest position)	Max.	m	110	110	110
	Level difference (IDU-IDU)	Max.	m	50	50	50

2. Specifications

Wiring connections	Transmission Cable		mm^2	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	6.5 x 1 + 8.4 x 3	6.5 x 1 + 8.4 x 3	9.4 x 1 + 8.4 x 3
Sound	Sound Pressure	Cooling	dB(A)	70	70	70
	Sound Pressure	Heating	dB(A)	72	72	72
	Sound Power		dB(A)	94	94	94
External Dimension	Net Weight		kg	195.5 x 1 + 285.0 x 3	195.5 x 1 + 285.0 x 3	241.0 x 1 + 285.0 x 3
	Shipping Weight		kg	211.5 x 1 + 305.0 x 3	211.5 x 1 + 305.0 x 3	261.0 x 1 + 305.0 x 3
	Net Dimensions (WxHxD)		mm	(880 x 1,695 x 765) x 1 + (1,295 x 1,695 x 765) x 3	(880 x 1,695 x 765) x 1 + (1,295 x 1,695 x 765) x 3	(1,295 x 1,695 x 765) x 4
	Shipping Dimensions (WxHxD)		mm	(948 x 1,887 x 832) x 1 + (1,363 x 1,887 x 832) x 3	(948 x 1,887 x 832) x 1 + (1,363 x 1,887 x 832) x 3	(1,363 x 1,887 x 832) x 4
Operating Temp. Range	Cooling		°C	-5 ~ 48	-5 ~ 48	-5 ~ 48
	Heating		°C	-25 ~ 24	-25 ~ 24	-25 ~ 24

NOTE

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

1) Nominal capacities are based on (Equivalent refrigerant piping 7.5m, Level differences 0m);
   - Cooling : Indoor temperature 27°C DB, 19°C WB / Outdoor temperature 35°C DB, 24°C WB
   - Heating : Indoor temperature 20°C DB, 15°C WB / Outdoor temperature 7°C DB, 6°C WB
2) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
3) 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
4) These products contain R410A which is fluorinated greenhouse gas.
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

Premium Energy Efficiency

Type				DVM S	DVM S	DVM S
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			Ø, #, 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	196.0	201.6	207.2
			Btu/h	668,800	687,900	707,000
		Heating	kW	220.5	226.8	233.1
			Btu/h	752,400	773,900	795,400
Maximum number of connectable indoor units			EA	64	64	64
Total capacity of the connected Indoor Units		Min.	kW	98.0	100.8	103.6
Total capacity of the connected Indoor Units		Max.	kW	254.8	262.1	269.4
Power	Power Input (Nominal)	Cooling	kW	43.28	42.72	44.54
		Heating	kW	42.69	42.08	44.31
	Current Input (Nominal)	Cooling	A	69.40	68.40	71.30
		Heating	A	68.60	67.60	71.20
	Current	Minimum Ssc	MVA	32.9	35.2	34.5
		MCA	A	156.4	156.8	159.6
		MFA	A	175	175	200
Efficiency	EER (Nominal)	Cooling	W/W	4.53	4.72	4.65
	COP (Nominal)	Heating	W/W	5.17	5.39	5.26
	ESEER		W/W	7.31	7.25	7.13
Casing	Material	Body	-	EGI Steel Plate	EGI Steel Plate	EGI Steel Plate
		Base	-	EGI Steel Plate	EGI Steel Plate	EGI Steel Plate
Heat Exchanger	Type		-	Fin & Tube	Fin & Tube	Fin & Tube
	Material	Fin	-	Al	Al	Al
		Tube	-	Cu	Cu	Cu
	Fin Treatment		-	Anti-corrosion	Anti-corrosion	Anti-corrosion
Compressor	Model Name		-	DS-GB066FAVB x 4 + DS4GJ5080FVA x 2 + DSGB052FAVBSG x 1	DS-GB066FAVB x 8	DS-GB066FAVB x 8
	Output		kW x n	(5.18 x 1) x 1 + (6.39 x 2) x 2 + (7.81 x 2) x 1	(6.39 x 2) x 4	(6.39 x 2) x 4
	Oil	Type	-	PVE	PVE	PVE
		Initial charge	cc x n	(1,100 x 1) x 1 + (1,100 x 2) x 2 + (1,400 x 2) x 1	(1,100 x 2) x 4	(1,100 x 2) x 4
Fan	Type		-	Propeller	Propeller	Propeller
	Discharge direction		-	Top	Top	Top
	Quantity		EA	7	8	8
	Air Flow Rate		m^3/min	170 x 1 + 290 x 2 + 340 x 1	290 x 4	290 x 4
			l/s	2,833 x 1 + 4,833 x 2 + 5,667 x 1	4,833 x 4	4,833 x 4
	External Static Pressure	Max.	mmAq	8	8	8
			Pa	78.45	78.45	78.45
Fan Motor	Type		-	BLDC Motor	BLDC Motor	BLDC Motor
	Output		W x n	(830 x 1) x 1 + (620 x 2) x 3	(620 x 2) x 4	(620 x 2) x 4
Piping Connections	Liquid Pipe		Type	Braze connection	Braze connection	Braze connection
			Φ, mm (inch)	22.22 (7/8)	22.22 (7/8)	22.22 (7/8)
	Gas Pipe		Type	Braze connection	Braze connection	Braze connection
			Φ, mm (inch)	53.98 (2-1/8)	53.98 (2-1/8)	53.98 (2-1/8)
	High pressure Gas Pipe(HR Only)		Type	-	-	-
			Φ, mm (inch)	-	-	-
	Heat Insulation		-	Both liquid and gas pipes	Both liquid and gas pipes	Both liquid and gas pipes
	Piping length (ODU-IDU)	Max. [Equiv.]	m	200 [220]	200 [220]	200 [220]
	Piping length (1st Branch-IDU)	Max.	m	90	90	90
	Total piping length (System)	Max.	m	1,000	1,000	1,000
	Level difference (ODU in highest position)	Max.	m	110	110	110
	Level difference (IDU in highest position)	Max.	m	110	110	110
	Level difference (IDU-IDU)	Max.	m	50	50	50

2. Specifications

Wiring connections	Transmission Cable		mm^2	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	6.5 x 1 + 8.4 x 2 + 14.0 x 1	8.4 x 4	8.4 x 4
Sound	Sound Pressure	Cooling	dB(A)	72	71	71
	Sound Pressure	Heating	dB(A)	74	73	73
	Sound Power		dB(A)	94	95	95
External Dimension	Net Weight		kg	195.5 x 1 + 285.0 x 2 + 350.0 x 1	285.0 x 4	285.0 x 4
	Shipping Weight		kg	211.5 x 1 + 305.0 x 2 + 372.0 x 1	305.0 x 4	305.0 x 4
	Net Dimensions (WxHxD)		mm	(880 x 1,695 x 765) x 1 + (1,295 x 1,695 x 765) x 2 + (1,295 x 1,795 x 765) x 1	(1,295 x 1,695 x 765) x 4	(1,295 x 1,695 x 765) x 4
	Shipping Dimensions (WxHxD)		mm	(948 x 1,887 x 832) x 1 + (1,363 x 1,887 x 832) x 2 + (1,363 x 1,987 x 832) x 1	(1,363 x 1,887 x 832) x 4	(1,363 x 1,887 x 832) x 4
Operating Temp. Range	Cooling		°C	-5 ~ 48	-5 ~ 48	-5 ~ 48
	Heating		°C	-25 ~ 24	-25 ~ 24	-25 ~ 24

NOTE

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

1) Nominal capacities are based on (Equivalent refrigerant piping 7.5m, Level differences 0m);
   - Cooling : Indoor temperature 27°C DB, 19°C WB / Outdoor temperature 35°C DB, 24°C WB
   - Heating : Indoor temperature 20°C DB, 15°C WB / Outdoor temperature 7°C DB, 6°C WB
2) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
3) 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
4) These products contain R410A which is fluorinated greenhouse gas.
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

Premium Energy Efficiency

				DVM S	DVM S	DVM S
Type				DVM S	DVM S	DVM S
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			Ø, #, 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	212.8	218.4	224.0
			Btu/h	726,100	745,200	764,300
		Heating	kW	239.4	245.7	252.0
			Btu/h	816,900	838,400	859,900
Maximum number of connectable indoor units			EA	64	64	64
Total capacity of the connected Indoor Units		Min.	kW	106.4	109.2	112.0
Total capacity of the connected Indoor Units		Max.	kW	276.6	283.9	291.2
Power	Power Input (Nominal)	Cooling	kW	46.36	48.18	49.37
		Heating	kW	46.54	48.77	48.62
	Current Input (Nominal)	Cooling	A	74.20	77.10	79.10
		Heating	A	74.80	78.40	78.10
	Current	Minimum Ssc	MVA	33.8	33.1	38.6
		MCA	A	162.4	165.2	177.6
		MFA	A	200	200	200
Efficiency	EER (Nominal)	Cooling	W/W	4.59	4.53	4.54
	COP (Nominal)	Heating	W/W	5.14	5.04	5.18
	ESEER		W/W	7.02	6.92	7.22
Casing	Material	Body	-	EGI Steel Plate	EGI Steel Plate	EGI Steel Plate
		Base	-	EGI Steel Plate	EGI Steel Plate	EGI Steel Plate
Heat Exchanger	Type		-	Fin & Tube	Fin & Tube	Fin & Tube
	Material	Fin	-	Al	Al	Al
		Tube	-	Cu	Cu	Cu
	Fin Treatment		-	Anti-corrosion	Anti-corrosion	Anti-corrosion
Compressor	Model Name		-	DS-GB066FAVB x 8	DS-GB066FAVB x 8	DS-GB066FAVB x 6 + DS4GJ5080FVA x 2
	Output		kW x n	(6.39 x 2) x 4	(6.39 x 2) x 4	(6.39 x 2) x 3 + (7.81 x 2) x 1
	Oil	Type	-	PVE	PVE	PVE
		Initial charge	cc x n	(1,100 x 2) x 4	(1,100 x 2) x 4	(1,100 x 2) x 3 + (1,400 x 2) x 1
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 x 1
			l/s	4,833 x 4	4,833 x 4	4,833 x 3 + 5,667 x 1
	External Static Pressure	Max.	mmAq	8	8	8
			Pa	78.45	78.45	78.45
Fan Motor	Type		-	BLDC Motor	BLDC Motor	BLDC Motor
	Output		W x n	(620 x 2) x 4	(620 x 2) x 4	(620 x 2) x 4
Piping Connections	Liquid Pipe		Type	Braze connection	Braze connection	Braze connection
			Φ, mm (inch)	22.22 (7/8)	22.22 (7/8)	22.22 (7/8)
	Gas Pipe		Type	Braze connection	Braze connection	Braze connection
			Φ, mm (inch)	53.98 (2-1/8)	53.98 (2-1/8)	53.98 (2-1/8)
	High pressure Gas Pipe(HR Only)		Type	-	-	-
			Φ, mm (inch)	-	-	-
	Heat Insulation		-	Both liquid and gas pipes	Both liquid and gas pipes	Both liquid and gas pipes
	Piping length (ODU-IDU)	Max. [Equiv.]	m	200 [220]	200 [220]	200 [220]
	Piping length (1st Branch-IDU)	Max.	m	90	90	90
	Total piping length (System)	Max.	m	1,000	1,000	1,000
	Level difference (ODU in highest position)	Max.	m	110	110	110
	Level difference (IDU in highest position)	Max.	m	110	110	110
	Level difference (IDU-IDU)	Max.	m	50	50	50

2. Specifications

Wiring connections	Transmission Cable		mm^2	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 x 4	8.4 x 4	8.4 x 3 + 14.0 x 1
Sound	Sound Pressure	Cooling	dB(A)	71	71	72
	Sound Pressure	Heating	dB(A)	73	73	74
	Sound Power		dB(A)	95	95	95
External Dimension	Net Weight		kg	285.0 x 4	285.0 x 4	285.0 x 3 + 350.0 x 1
	Shipping Weight		kg	305.0 x 4	305.0 x 4	305.0 x 3 + 372.0 x 1
	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) x 1
	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) x 1
Operating Temp. Range	Cooling		°C	-5 ~ 48	-5 ~ 48	-5 ~ 48
	Heating		°C	-25 ~ 24	-25 ~ 24	-25 ~ 24

NOTE

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

1) Nominal capacities are based on (Equivalent refrigerant piping 7.5m, Level differences 0m);
   - Cooling : Indoor temperature 27°C DB, 19°C WB / Outdoor temperature 35°C DB, 24°C WB
   - Heating : Indoor temperature 20°C DB, 15°C WB / Outdoor temperature 7°C DB, 6°C WB
2) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
3) 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
4) These products contain R410A which is fluorinated greenhouse gas.
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

Premium Energy Efficiency

Type				DVM S	DVM S	DVM S
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			Ø, #, 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	229.6	235.2	240.8
			Btu/h	783,400	802,500	821,600
		Heating	kW	258.3	264.6	270.9
			Btu/h	881,400	902,900	924,300
Maximum number of connectable indoor units			EA	64	64	64
Total capacity of the connected Indoor Units		Min.	kW	114.8	117.6	120.4
Total capacity of the connected Indoor Units		Max.	kW	298.5	305.8	313.0
Power	Power Input (Nominal)	Cooling	kW	51.19	53.01	56.26
		Heating	kW	50.85	53.08	56.19
	Current Input (Nominal)	Cooling	A	82.00	84.90	90.20
		Heating	A	81.70	85.30	90.20
	Current	Minimum Ssc	MVA	37.9	37.2	37.7
		MCA	A	180.4	183.2	185.8
		MFA	A	200	225	225
Efficiency	EER (Nominal)	Cooling	W/W	4.49	4.44	4.28
	COP (Nominal)	Heating	W/W	5.08	4.98	4.82
	ESEER		W/W	7.12	7.02	6.92
Casing	Material	Body	-	EGI Steel Plate	EGI Steel Plate	EGI Steel Plate
		Base	-	EGI Steel Plate	EGI Steel Plate	EGI Steel Plate
Heat Exchanger	Type		-	Fin & Tube	Fin & Tube	Fin & Tube
	Material	Fin	-	Al	Al	Al
		Tube	-	Cu	Cu	Cu
	Fin Treatment		-	Anti-corrosion	Anti-corrosion	Anti-corrosion
Compressor	Model Name		-	DS-GB066FAVB x 6 + DS4GJ5080FVA x 2	DS-GB066FAVB x 6 + DS4GJ5080FVA x 2	DS-GB066FAVB x 6 + DS4GJ5080FVA x 2
	Output		kW x n	(6.39 x 2) x 3 + (7.81 x 2) x 1	(6.39 x 2) x 3 + (7.81 x 2) x 1	(6.39 x 2) x 3 + (7.81 x 2) x 1
	Oil	Type	-	PVE	PVE	PVE
		Initial charge	cc x n	(1,100 x 2) x 3 + (1,400 x 2) x 1	(1,100 x 2) x 3 + (1,400 x 2) x 1	(1,100 x 2) x 3 + (1,400 x 2) x 1
Fan	Type		-	Propeller	Propeller	Propeller
	Discharge direction		-	Top	Top	Top
	Quantity		EA	8	8	8
	Air Flow Rate		m²/min	290 x 3 + 340 x 1	290 x 3 + 340 x 1	290 x 3 + 340 x 1
			l/s	4,833 x 3 + 5,667 x 1	4,833 x 3 + 5,667 x 1	4,833 x 3 + 5,667 x 1
	External Static Pressure	Max.	mmAq	8	8	8
			Pa	78.45	78.45	78.45
Fan Motor	Type		-	BLDC Motor	BLDC Motor	BLDC Motor
	Output		W x n	(620 x 2) x 4	(620 x 2) x 4	(620 x 2) x 4
Piping Connections	Liquid Pipe		Type	Braze connection	Braze connection	Braze connection
			Φ, mm (inch)	22.22 (7/8)	22.22 (7/8)	22.22 (7/8)
	Gas Pipe		Type	Braze connection	Braze connection	Braze connection
			Φ, mm (inch)	53.98 (2-1/8)	53.98 (2-1/8)	53.98 (2-1/8)
	High pressure Gas Pipe(HR Only)		Type	-	-	-
			Φ, mm (inch)	-	-	-
	Heat Insulation		-	Both liquid and gas pipes	Both liquid and gas pipes	Both liquid and gas pipes
	Piping length (ODU-IDU)	Max. [Equiv.]	m	200 [220]	200 [220]	200 [220]
	Piping length (1st Branch-IDU)	Max.	m	90	90	90
	Total piping length (System)	Max.	m	1,000	1,000	1,000
	Level difference (ODU in highest position)	Max.	m	110	110	110
	Level difference (IDU in highest position)	Max.	m	110	110	110
	Level difference (IDU-IDU)	Max.	m	50	50	50

2. Specifications

Wiring connections	Transmission Cable		mm^2	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 x 3 + 14.0 x 1	8.4 x 3 + 14.0 x 1	8.4 x 3 + 14.0 x 1
Sound	Sound Pressure	Cooling	dB(A)	72	72	72
	Sound Pressure	Heating	dB(A)	74	74	74
	Sound Power		dB(A)	95	95	95
External Dimension	Net Weight		kg	285.0 x 3 + 350.0 x 1	285.0 x 3 + 350.0 x 1	285.0 x 3 + 350.0 x 1
	Shipping Weight		kg	305.0 x 3 + 372.0 x 1	305.0 x 3 + 372.0 x 1	305.0 x 3 + 372.0 x 1
	Net Dimensions (WxHxD)		mm	(1,295 x 1,695 x 765) x 3 + (1,295 x 1,795 x 765) x 1	(1,295 x 1,695 x 765) x 3 + (1,295 x 1,795 x 765) x 1	(1,295 x 1,695 x 765) x 3 + (1,295 x 1,795 x 765) x 1
	Shipping Dimensions (WxHxD)		mm	(1,363 x 1,887 x 832) x 3 + (1,363 x 1,987 x 832) x 1	(1,363 x 1,887 x 832) x 3 + (1,363 x 1,987 x 832) x 1	(1,363 x 1,887 x 832) x 3 + (1,363 x 1,987 x 832) x 1
Operating Temp. Range	Cooling		°C	-5 ~ 48	-5 ~ 48	-5 ~ 48
	Heating		°C	-25 ~ 24	-25 ~ 24	-25 ~ 24

NOTE

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

1) Nominal capacities are based on (Equivalent refrigerant piping 7.5m, Level differences 0m);
   - Cooling : Indoor temperature 27°C DB, 19°C WB / Outdoor temperature 35°C DB, 24°C WB
   - Heating : Indoor temperature 20°C DB, 15°C WB / Outdoor temperature 7°C DB, 6°C WB
2) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
3) 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
4) These products contain R410A which is fluorinated greenhouse gas.
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

Premium Energy Efficiency

Type				DVM S	DVM S
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			Ø, #, 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	246.4	252.0
			Btu/h	840,800	859,900
		Heating	kW	277.2	283.5
			Btu/h	945,800	967,300
Maximum number of connectable indoor units			EA	64	64
Total capacity of the connected Indoor Units		Min.	kW	123.2	126.0
Total capacity of the connected Indoor Units		Max.	kW	320.3	327.6
Power	Power Input (Nominal)	Cooling	kW	56.51	57.84
		Heating	kW	55.76	57.39
	Current Input (Nominal)	Cooling	A	90.60	92.70
		Heating	A	89.50	92.20
	Current	Minimum Ssc	MVA	41.6	41.3
		MCA	A	196.2	201.2
		MFA	A	225	225
Efficiency	EER (Nominal)	Cooling	W/W	4.36	4.36
	COP (Nominal)	Heating	W/W	4.97	4.94
	ESEER		W/W	7.11	7.11
Casing	Material	Body	-	EGI Steel Plate	EGI Steel Plate
		Base	-	EGI Steel Plate	EGI Steel Plate
Heat Exchanger	Type		-	Fin & Tube	Fin & Tube
	Material	Fin	-	Al	Al
		Tube	-	Cu	Cu
	Fin Treatment		-	Anti-corrosion	Anti-corrosion
Compressor	Model Name		-	DS-GB066FAVB x 4 + DSGB070FAVA x 2 + DS4GJ5080FVA x 2	DS-GB066FAVB x 4 + DS4GJ5080FVA x 4
	Output		kW x n	(6.39 x 2) x 2 + (6.76 x 2) x 1 + (7.81 x 2) x 1	(6.39 x 2) x 2 + (7.81 x 2) x 2
	Oil	Type	-	PVE	PVE
		Initial charge	cc x n	(1,100 x 2) x 3 + (1,400 x 2) x 1	(1,100 x 2) x 2 + (1,400 x 2) x 2
Fan	Type		-	Propeller	Propeller
	Discharge direction		-	Top	Top
	Quantity		EA	8	8
	Air Flow Rate		m^2/min	290 x 2 + 340 x 2	290 x 2 + 340 x 2
			l/s	4,833 x 2 + 5,667 x 2	4,833 x 2 + 5,667 x 2
	External Static Pressure	Max.	mmAq	8	8
			Pa	78.45	78.45
Fan Motor	Type		-	BLDC Motor	BLDC Motor
	Output		W x n	(620 x 2) x 4	(620 x 2) x 4
Piping Connections	Liquid Pipe		Type	Braze connection	Braze connection
			Φ, mm (inch)	22.22 (7/8)	22.22 (7/8)
	Gas Pipe		Type	Braze connection	Braze connection
			Φ, mm (inch)	53.98 (2-1/8)	53.98 (2-1/8)
	High pressure Gas Pipe(HR Only)		Type	-	-
			Φ, mm (inch)	-	-
	Heat Insulation		-	Both liquid and gas pipes	Both liquid and gas pipes
	Piping length (ODU-IDU)	Max. [Equiv.]	m	200 [220]	200 [220]
	Piping length (1st Branch-IDU)	Max.	m	90	90
	Total piping length (System)	Max.	m	1,000	1,000
	Level difference (ODU in highest position)	Max.	m	110	110
	Level difference (IDU in highest position)	Max.	m	110	110
	Level difference (IDU-IDU)	Max.	m	50	50

2. Specifications

Wiring connections	Transmission Cable		mm^2	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	8.4 x 2 + 14.0 x 2	8.4 x 2 + 14.0 x 2
Sound	Sound Pressure	Cooling	dB(A)	73	73
	Sound Pressure	Heating	dB(A)	75	75
	Sound Power		dB(A)	96	96
External Dimension	Net Weight		kg	285.0 x 2 + 342.0 x 1 + 350.0 x 1	285.0 x 2 + 350.0 x 2
	Shipping Weight		kg	305.0 x 2 + 364.0 x 1 + 372.0 x 1	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		°C	-5 ~ 48	-5 ~ 48
	Heating		°C	-25 ~ 24	-25 ~ 24

NOTE

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

1) Nominal capacities are based on (Equivalent refrigerant piping 7.5m, Level differences 0m);
   - Cooling : Indoor temperature 27°C DB, 19°C WB / Outdoor temperature 35°C DB, 24°C WB
   - Heating : Indoor temperature 20°C DB, 15°C WB / Outdoor temperature 7°C DB, 6°C WB
2) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
3) 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
4) These products contain R410A which is fluorinated greenhouse gas.
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	DVM S	DVM S
Model Name					AM080JXVAGH/EU	AM100JXVAGH/EU	AM120JXVAGH/EU
	Outdoor unit module 1				-	-	-
	Outdoor unit module 2				-	-	-
	Outdoor unit module 3				-	-	-
	Outdoor unit module 4				-	-	-
Power Supply				Ø, #, 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	28.0	33.6
				Btu/h	76,400	95,500	114,600
			Heating	kW	25.2	31.5	37.8
				Btu/h	86,000	107,500	129,000
Maximum number of connectable indoor units				EA	14	18	21
Total capacity of the connected Indoor Units			Min.	kW	11.2	14.0	16.8
Total capacity of the connected Indoor Units			Max.	kW	29.1	36.4	43.7
Power	Power Input (Nominal)		Cooling	kW	5.00	6.85	8.16
			Heating	kW	5.10	6.65	8.03
	Current Input (Nominal)		Cooling	A	8.00	11.00	13.10
			Heating	A	8.20	10.70	12.90
	Current		Minimum Ssc	MVA	3.1	4.5	5.3
			MCA	A	18.0	21.1	25.0
			MFA	A	25	32	32
Efficiency	EER (Nominal)		Cooling	W/W	4.48	4.09	4.12
	COP (Nominal)		Heating	W/W	4.94	4.74	4.71
	ESEER			W/W	7.85	7.25	7.03
Casing	Material		Body	-	EGI Steel Plate	EGI Steel Plate	EGI Steel Plate
			Base	-	EGI Steel Plate	EGI Steel Plate	EGI Steel Plate
Heat Exchanger	Type			-	Fin & Tube	Fin & Tube	Fin & Tube
	Material		Fin	-	Al	Al	Al
			Tube	-	Cu	Cu	Cu
	Fin Treatment			-	Anti-corrosion	Anti-corrosion	Anti-corrosion
Compressor	Model Name			-	DS-GA046FAVADO x 1	DS-GB066FAVB x 1	DS-GB066FAVB x 1
	Output			kW x n	4.39 x 1	6.39 x 1	6.39 x 1
	Oil		Type	-	PVE	PVE	PVE
			Initial charge	cc x n	900 x 1	1,100 x 1	1,100 x 1
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	2,833	2,833	3,667
	External Static Pressure		Max.	mmAq	8	8	8
				Pa	78.45	78.45	78.45
Fan Motor	Type			-	BLDC Motor	BLDC Motor	BLDC Motor
	Output			W x n	830 x 1	830 x 1	830 x 1
Piping Connec-tions	Liquid Pipe			Type	Braze connection	Braze connection	Braze connection
				Φ, mm (inch)	9.52 (3/8)	9.52 (3/8)	12.70 (1/2)
	Gas Pipe			Type	Braze connection	Braze connection	Braze connection
				Φ, mm (inch)	19.05 (3/4)	22.22 (7/8)	28.58 (1-1/8)
	High pressure Gas Pipe(HR Only)			Type	-	-	-
				Φ, mm (inch)	-	-	-
	Heat Insulation			-	Both liquid and gas pipes	Both liquid and gas pipes	Both liquid and gas pipes
	Piping length (ODU-IDU)		Max. [Equiv.]	m	200 [220]	200 [220]	200 [220]
	Piping length (1st Branch-IDU)		Max.	m	90	90	90
	Total piping length (System)		Max.	m	1,000	1,000	1,000
	Level difference (ODU in highest position)		Max.	m	110	110	110
	Level difference (IDU in highest position)		Max.	m	110	110	110
	Level difference (IDU-IDU)		Max.	m	50	50	50

2. Specifications

Wiring connections	Transmission Cable		mm^2	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
	Sound Pressure	Heating	dB(A)	59	60	64
	Sound Power		dB(A)	77	79	81
External Dimension	Net Weight		kg	186.0	197.0	210.0
	Shipping Weight		kg	202.0	213.0	226.0
	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		°C	-5 ~ 48	-5 ~ 48	-5 ~ 48
	Heating		°C	-25 ~ 24	-25 ~ 24	-25 ~ 24

NOTE

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

1) Nominal capacities are based on (Equivalent refrigerant piping 7.5m, Level differences 0m);
   - Cooling : Indoor temperature 27°C DB, 19°C WB / Outdoor temperature 35°C DB, 24°C WB
   - Heating : Indoor temperature 20°C DB, 15°C WB / Outdoor temperature 7°C DB, 6°C WB
2) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
3) 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
4) These products contain R410A which is fluorinated greenhouse gas.
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

				DVM S	DVM S	DVM S
Type				DVM S	DVM S	DVM S
Model Name				AM140KXVAGH/EU	AM160KXVAGH/EU	AM180KXVAGH/EU
	Outdoor unit module 1			-	-	-
	Outdoor unit module 2			-	-	-
	Outdoor unit module 3			-	-	-
	Outdoor unit module 4			-	-	-
Power Supply			Ø, #, 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	40.0	45.0	50.4
			Btu/h	136,500	153,500	172,000
		Heating	kW	45.0	50.4	56.7
			Btu/h	153,500	172,000	193,500
Maximum number of connectable indoor units			EA	26	29	32
Total capacity of the connected Indoor Units		Min.	kW	20.0	22.5	25.2
Total capacity of the connected Indoor Units		Max.	kW	52.0	58.5	65.5
Power	Power Input (Nominal)	Cooling	kW	10.93	12.10	12.60
		Heating	kW	10.16	11.61	11.91
	Current Input (Nominal)	Cooling	A	17.50	19.40	20.20
		Heating	A	16.30	18.60	19.10
	Current	Minimum Ssc	MVA	5.4	7.2	8.8
		MCA	A	25.0	32.0	39.2
		MFA	A	32	40	50
Efficiency	EER (Nominal)	Cooling	W/W	3.66	3.72	4.00
	COP (Nominal)	Heating	W/W	4.43	4.34	4.76
	ESEER		W/W	7.02	6.81	6.61
Casing	Material	Body	-	EGI Steel Plate	EGI Steel Plate	EGI Steel Plate
		Base	-	EGI Steel Plate	EGI Steel Plate	EGI Steel Plate
Heat Exchanger	Type		-	Fin & Tube	Fin & Tube	Fin & Tube
	Material	Fin	-	Al	Al	Al
		Tube	-	Cu	Cu	Cu
	Fin Treatment		-	Anti-corrosion	Anti-corrosion	Anti-corrosion
Compressor	Model Name		-	DS-GB066FAVB x 1	DS4GJ5080FVA x 1	DS4GJ5080FVA x 1
	Output		kW x n	6.39 x 1	7.81 x 1	7.81 x 1
	Oil	Type	-	PVE	PVE	PVE
		Initial charge	cc x n	1,100 x 1	1,400 x 1	1,400 x 1
Fan	Type		-	Propeller	Propeller	Propeller
	Discharge direction		-	Top	Top	Top
	Quantity		EA	2	2	2
	Air Flow Rate		m^2/min	255	255	290
			l/s	4,250	4,250	4,833
	External Static Pressure	Max.	mmAq	8	8	8
			Pa	78.45	78.45	78.45
Fan Motor	Type		-	BLDC Motor	BLDC Motor	BLDC Motor
	Output		W x n	620 x 2	620 x 2	620 x 2
Piping Connec-tions	Liquid Pipe		Type	Braze connection	Braze connection	Braze connection
			Φ, mm (inch)	12.70 (1/2)	12.70 (1/2)	15.88 (5/8)
	Gas Pipe		Type	Braze connection	Braze connection	Braze connection
			Φ, mm (inch)	28.58 (1-1/8)	28.58 (1-1/8)	28.58 (1-1/8)
	High pressure Gas Pipe(HR Only)		Type	-	-	-
			Φ, mm (inch)	-	-	-
	Heat Insulation		-	Both liquid and gas pipes	Both liquid and gas pipes	Both liquid and gas pipes
	Piping length (ODU-IDU)	Max. [Equiv.]	m	200 [220]	200 [220]	200 [220]
	Piping length (1st Branch-IDU)	Max.	m	90	90	90
	Total piping length (System)	Max.	m	1,000	1,000	1,000
	Level difference (ODU in highest position)	Max.	m	110	110	110
	Level difference (IDU in highest position)	Max.	m	110	110	110
	Level difference (IDU-IDU)	Max.	m	50	50	50

2. Specifications

Wiring connections	Transmission Cable		mm^2	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
	Sound Pressure	Heating	dB(A)	63	65	66
	Sound Power		dB(A)	81	83	84
External Dimension	Net Weight		kg	226.0	253.0	255.0
	Shipping Weight		kg	246.0	273.0	275.0
	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		°C	-5 ~ 48	-5 ~ 48	-5 ~ 48
	Heating		°C	-25 ~ 24	-25 ~ 24	-25 ~ 24

NOTE

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

1) Nominal capacities are based on (Equivalent refrigerant piping 7.5m, Level differences 0m);
   - Cooling : Indoor temperature 27°C DB, 19°C WB / Outdoor temperature 35°C DB, 24°C WB
   - Heating : Indoor temperature 20°C DB, 15°C WB / Outdoor temperature 7°C DB, 6°C WB
2) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
3) 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
4) These products contain R410A which is fluorinated greenhouse gas.
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	DVM S	DVM S
Model Name				AM200KXVAGH/EU	AM220KXVAGH/EU	AM240KXVAGH/EU
	Outdoor unit module 1			-	-	-
	Outdoor unit module 2			-	-	-
	Outdoor unit module 3			-	-	-
	Outdoor unit module 4			-	-	-
Power Supply			Ø, #, 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	56.0	61.6	67.2
			Btu/h	191,100	210,200	229,300
		Heating	kW	63.0	69.3	75.6
			Btu/h	215,000	236,500	258,000
Maximum number of connectable indoor units			EA	36	40	43
Total capacity of the connected Indoor Units		Min.	kW	28.0	30.8	33.6
Total capacity of the connected Indoor Units		Max.	kW	72.8	80.1	87.4
Power	Power Input (Nominal)	Cooling	kW	14.18	17.35	17.10
		Heating	kW	13.91	16.70	17.42
	Current Input (Nominal)	Cooling	A	22.70	27.80	27.40
		Heating	A	22.30	26.80	27.90
	Current	Minimum Ssc	MVA	8.1	8.6	12.5
		MCA	A	42.0	44.6	55.0
		MFA	A	63	63	63
Efficiency	EER (Nominal)	Cooling	W/W	3.95	3.55	3.93
	COP (Nominal)	Heating	W/W	4.53	4.15	4.34
	ESEER		W/W	6.56	6.25	7.06
Casing	Material	Body	-	EGI Steel Plate	EGI Steel Plate	EGI Steel Plate
		Base	-	EGI Steel Plate	EGI Steel Plate	EGI Steel Plate
Heat Exchanger	Type		-	Fin & Tube	Fin & Tube	Fin & Tube
	Material	Fin	-	Al	Al	Al
		Tube	-	Cu	Cu	Cu
	Fin Treatment		-	Anti-corrosion	Anti-corrosion	Anti-corrosion
Compressor	Model Name		-	DS-GB052FAVB x 2	DS-GB066FAVB x 2	DS-GB066FAVB x 2
	Output		kW x n	6.39 x 2	6.39 x 2	6.39 x 2
	Oil	Type	-	PVE	PVE	PVE
		Initial charge	cc x n	1,100 x 2	1,100 x 2	1,100 x 2
Fan	Type		-	Propeller	Propeller	Propeller
	Discharge direction		-	Top	Top	Top
	Quantity		EA	2	2	2
	Air Flow Rate		m^2/min	290	290	340
			l/s	4,833	4,833	5,667
	External Static Pressure	Max.	mmAq	8	8	8
			Pa	78.45	78.45	78.45
Fan Motor	Type		-	BLDC Motor	BLDC Motor	BLDC Motor
	Output		W x n	620 x 2	620 x 2	620 x 2
Piping Connections	Liquid Pipe		Type	Braze connection	Braze connection	Braze connection
			Φ, mm (inch)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)
	Gas Pipe		Type	Braze connection	Braze connection	Braze connection
			Φ, mm (inch)	28.58 (1-1/8)	28.58 (1-1/8)	34.92 (1-3/8)
	High pressure Gas Pipe(HR Only)		Type	-	-	-
			Φ, mm (inch)	-	-	-
	Heat Insulation		-	Both liquid and gas pipes	Both liquid and gas pipes	Both liquid and gas pipes
	Piping length (ODU-IDU)	Max. [Equiv.]	m	200 [220]	200 [220]	200 [220]
	Piping length (1st Branch-IDU)	Max.	m	90	90	90
	Total piping length (System)	Max.	m	1,000	1,000	1,000
	Level difference (ODU in highest position)	Max.	m	110	110	110
	Level difference (IDU in highest position)	Max.	m	110	110	110
	Level difference (IDU-IDU)	Max.	m	50	50	50

2. Specifications

Wiring connections	Transmission Cable		mm^2	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
	Sound Pressure	Heating	dB(A)	67	67	68
	Sound Power		dB(A)	87	89	89
External Dimension	Net Weight		kg	277.0	285.0	333.0
	Shipping Weight		kg	297.0	305.0	355.0
	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		°C	-5 ~ 48	-5 ~ 48	-5 ~ 48
	Heating		°C	-25 ~ 24	-25 ~ 24	-25 ~ 24

NOTE

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

1) Nominal capacities are based on (Equivalent refrigerant piping 7.5m, Level differences 0m);
   - Cooling : Indoor temperature 27°C DB, 19°C WB / Outdoor temperature 35°C DB, 24°C WB
   - Heating : Indoor temperature 20°C DB, 15°C WB / Outdoor temperature 7°C DB, 6°C WB
2) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
3) 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
4) These products contain R410A which is fluorinated greenhouse gas.
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	DVM S	DVM S
Model Name				AM260KXVAGH/EU	AM280KXVAGH/EU	AM300KXVAGH/EU
	Outdoor unit module 1			-	-	-
	Outdoor unit module 2			-	-	-
	Outdoor unit module 3			-	-	-
	Outdoor unit module 4			-	-	-
Power Supply			Ø, #, 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	84.0
			Btu/h	248,400	268,200	286,600
		Heating	kW	81.9	88.2	94.5
			Btu/h	279,500	301,000	322,400
Maximum number of connectable indoor units			EA	47	51	54
Total capacity of the connected Indoor Units		Min.	kW	36.4	39.3	42.0
Total capacity of the connected Indoor Units		Max.	kW	94.6	102.2	109.2
Power	Power Input (Nominal)	Cooling	kW	18.91	20.68	22.70
		Heating	kW	18.00	20.18	20.59
	Current Input (Nominal)	Cooling	A	30.30	33.20	36.40
		Heating	A	28.90	32.40	33.00
	Current	Minimum Ssc	MVA	12.2	13.6	14.8
		MCA	A	60.0	67.0	73.0
		MFA	A	75	75	80
Efficiency	EER (Nominal)	Cooling	W/W	3.85	3.80	3.70
	COP (Nominal)	Heating	W/W	4.55	4.37	4.59
	ESEER		W/W	6.92	6.83	6.65
Casing	Material	Body	-	EGI Steel Plate	EGI Steel Plate	EGI Steel Plate
		Base	-	EGI Steel Plate	EGI Steel Plate	EGI Steel Plate
Heat Exchanger	Type		-	Fin & Tube	Fin & Tube	Fin & Tube
	Material	Fin	-	Al	Al	Al
		Tube	-	Cu	Cu	Cu
	Fin Treatment		-	Anti-corrosion	Anti-corrosion	Anti-corrosion
Compressor	Model Name		-	DS-GB066FAVB x 2	DS-GB070FAVA x 2	DS4GJ5080FVA x 2
	Output		kW x n	6.39 x 2	6.76 x 2	7.81 x 2
	Oil	Type	-	PVE	PVE	PVE
		Initial charge	cc x n	1,100 x 2	1,100 x 2	1,400 x 2
Fan	Type		-	Propeller	Propeller	Propeller
	Discharge direction		-	Top	Top	Top
	Quantity		EA	2	2	2
	Air Flow Rate		m^2/min	340	340	340
			l/s	5,667	5,667	5,667
	External Static Pressure	Max.	mmAq	8	8	8
			Pa	78.45	78.45	78.45
Fan Motor	Type		-	BLDC Motor	BLDC Motor	BLDC Motor
	Output		W x n	620 x 2	620 x 2	620 x 2
Piping Connec-tions	Liquid Pipe		Type	Braze connection	Braze connection	Braze connection
			Φ, mm (inch)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)
	Gas Pipe		Type	Braze connection	Braze connection	Braze connection
			Φ, mm (inch)	34.92 (1-3/8)	34.92 (1-3/8)	34.92 (1-3/8)
	High pressure Gas Pipe(HR Only)		Type	-	-	-
			Φ, mm (inch)	-	-	-
	Heat Insulation		-	Both liquid and gas pipes	Both liquid and gas pipes	Both liquid and gas pipes
	Piping length (ODU-IDU)	Max. [Equiv.]	m	200 [220]	200 [220]	200 [220]
	Piping length (1st Branch-IDU)	Max.	m	90	90	90
	Total piping length (System)	Max.	m	1,000	1,000	1,000
	Level difference (ODU in highest position)	Max.	m	110	110	110
	Level difference (IDU in highest position)	Max.	m	110	110	110
	Level difference (IDU-IDU)	Max.	m	50	50	50

2. Specifications

Wiring connections	Transmission Cable		mm^2	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	14.0	14.0
Sound	Sound Pressure	Cooling	dB(A)	66	69	69
	Sound Pressure	Heating	dB(A)	68	71	71
	Sound Power		dB(A)	89	90	90
External Dimension	Net Weight		kg	333.0	342.0	350.0
	Shipping Weight		kg	355.0	364.0	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		°C	-5 ~ 48	-5 ~ 48	-5 ~ 48
	Heating		°C	-25 ~ 24	-25 ~ 24	-25 ~ 24

NOTE

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

1) Nominal capacities are based on (Equivalent refrigerant piping 7.5m, Level differences 0m);
   - Cooling : Indoor temperature 27°C DB, 19°C WB / Outdoor temperature 35°C DB, 24°C WB
   - Heating : Indoor temperature 20°C DB, 15°C WB / Outdoor temperature 7°C DB, 6°C WB
2) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
3) 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
4) These products contain R410A which is fluorinated greenhouse gas.
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	DVM S	DVM S
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			Ø, #, 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	305,700	324,800	346,700
		Heating	kW	100.8	107.1	114.3
			Btu/h	343,900	365,400	390,000
Maximum number of connectable indoor units			EA	58	61	64
Total capacity of the connected Indoor Units		Min.	kW	44.8	47.6	50.8
Total capacity of the connected Indoor Units		Max.	kW	116.5	123.8	132.1
Power	Power Input (Nominal)	Cooling	kW	24.20	25.51	28.28
		Heating	kW	23.35	24.73	26.86
	Current Input (Nominal)	Cooling	A	38.80	40.90	45.30
		Heating	A	37.50	39.70	43.10
	Current	Minimum Ssc	MVA	13.1	13.9	14
		MCA	A	65.7	69.6	69.6
		MFA	A	80	80	80
Efficiency	EER (Nominal)	Cooling	W/W	3.70	3.73	3.59
	COP (Nominal)	Heating	W/W	4.32	4.33	4.26
	ESEER		W/W	6.56	6.53	6.55
Casing	Material	Body	-	EGI Steel Plate	EGI Steel Plate	EGI Steel Plate
		Base	-	EGI Steel Plate	EGI Steel Plate	EGI Steel Plate
Heat Exchanger	Type		-	Fin & Tube	Fin & Tube	Fin & Tube
	Material	Fin	-	Al	Al	Al
		Tube	-	Cu	Cu	Cu
	Fin Treatment		-	Anti-corrosion	Anti-corrosion	Anti-corrosion
Compressor	Model Name		-	DS-GB066FAVB x 3	DS-GB066FAVB x 3	DS-GB066FAVB x 3
	Output		kW x n	(6.39 x 1) x 1 + (6.39 x 2) x 1	(6.39 x 1) x 1 + (6.39 x 2) x 1	(6.39 x 1) x 1 + (6.39 x 2) x 1
	Oil	Type	-	PVE	PVE	PVE
		Initial charge	cc x n	(1,100 x 1) x 1 + (1,100 x 2) x 1	(1,100 x 1) x 1 + (1,100 x 2) x 1	(1,100 x 1) x 1 + (1,100 x 2) x 1
Fan	Type		-	Propeller	Propeller	Propeller
	Discharge direction		-	Top	Top	Top
	Quantity		EA	3	3	4
	Air Flow Rate		m^2/min	170 x 1 + 290 x 1	220 x 1 + 290 x 1	255 x 1 + 290 x 1
			l/s	2,833 x 1 + 4,833 x 1	3,667 x 1 + 4,833 x 1	4,250 x 1 + 4,833 x 1
	External Static Pressure	Max.	mmAq	8	8	8
			Pa	78.45	78.45	78.45
Fan Motor	Type		-	BLDC Motor	BLDC Motor	BLDC Motor
	Output		W x n	(830 x 1) x 1 + (620 x 2) x 1	(830 x 1) x 1 + (620 x 2) x 1	(620 x 2) x 2
Piping Connec-tions	Liquid Pipe		Type	Braze connection	Braze connection	Braze connection
			Φ, mm (inch)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)
	Gas Pipe		Type	Braze connection	Braze connection	Braze connection
			Φ, mm (inch)	34.92 (1-3/8)	34.92 (1-3/8)	41.28 (1-5/8)
	High pressure Gas Pipe(HR Only)		Type	-	-	-
			Φ, mm (inch)	-	-	-
	Heat Insulation		-	Both liquid and gas pipes	Both liquid and gas pipes	Both liquid and gas pipes
	Piping length (ODU-IDU)	Max. [Equiv.]	m	200 [220]	200 [220]	200 [220]
	Piping length (1st Branch-IDU)	Max.	m	90	90	90
	Total piping length (System)	Max.	m	1,000	1,000	1,000
	Level difference (ODU in highest position)	Max.	m	110	110	110
	Level difference (IDU in highest position)	Max.	m	110	110	110
	Level difference (IDU-IDU)	Max.	m	50	50	50

2. Specifications

Wiring connections	Transmission Cable		mm^2	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 x 1 + 8.4 x 1	6.5 x 1 + 8.4 x 1	7.7 x 1 + 8.4 x 1
Sound	Sound Pressure	Cooling	dB(A)	66	67	66
	Sound Pressure	Heating	dB(A)	68	69	68
	Sound Power		dB(A)	89	90	90
External Dimension	Net Weight		kg	197.0 x 1 + 285.0 x 1	210.0 x 1 + 285.0 x 1	226.0 x 1 + 285.0 x 1
	Shipping Weight		kg	213.0 x 1 + 305.0 x 1	226.0 x 1 + 305.0 x 1	246.0 x 1 + 305.0 x 1
	Net Dimensions (WxHxD)		mm	(880 x 1,695 x 765) x 1 + (1,295 x 1,695 x 765) x 1	(880 x 1,695 x 765) x 1 + (1,295 x 1,695 x 765) x 1	(1,295 x 1,695 x 765) x 2
	Shipping Dimensions (WxHxD)		mm	(948 x 1,887 x 832) x 1 + (1,363 x 1,887 x 832) x 1	(948 x 1,887 x 832) x 1 + (1,363 x 1,887 x 832) x 1	(1,363 x 1,887 x 832) x 2
Operating Temp. Range	Cooling		°C	-5 ~ 48	-5 ~ 48	-5 ~ 48
	Heating		°C	-25 ~ 24	-25 ~ 24	-25 ~ 24

NOTE

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

1) Nominal capacities are based on (Equivalent refrigerant piping 7.5m, Level differences 0m);
   - Cooling : Indoor temperature 27°C DB, 19°C WB / Outdoor temperature 35°C DB, 24°C WB
   - Heating : Indoor temperature 20°C DB, 15°C WB / Outdoor temperature 7°C DB, 6°C WB
2) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
3) 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
4) These products contain R410A which is fluorinated greenhouse gas.
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	DVM S	DVM S
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			Ø, #, 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	112.0	117.6
			Btu/h	363,700	382,200	401,300
		Heating	kW	119.7	126.0	132.3
			Btu/h	408,400	429,900	451,400
Maximum number of connectable indoor units			EA	64	64	64
Total capacity of the connected Indoor Units		Min.	kW	53.3	56.0	58.8
Total capacity of the connected Indoor Units		Max.	kW	138.6	145.6	152.9
Power	Power Input (Nominal)	Cooling	kW	29.45	29.95	31.53
		Heating	kW	28.31	28.61	30.61
	Current Input (Nominal)	Cooling	A	47.20	48.00	50.50
		Heating	A	45.40	45.90	49.10
	Current	Minimum Ssc	MVA	15.8	17.4	16.7
		MCA	A	76.6	83.8	86.6
		MFA	A	90	100	100
Efficiency	EER (Nominal)	Cooling	W/W	3.62	3.74	3.73
	COP (Nominal)	Heating	W/W	4.23	4.40	4.32
	ESEER		W/W	6.49	6.41	6.40
Casing	Material	Body	-	EGI Steel Plate	EGI Steel Plate	EGI Steel Plate
		Base	-	EGI Steel Plate	EGI Steel Plate	EGI Steel Plate
Heat Exchanger	Type		-	Fin & Tube	Fin & Tube	Fin & Tube
	Material	Fin	-	Al	Al	Al
		Tube	-	Cu	Cu	Cu
	Fin Treatment		-	Anti-corrosion	Anti-corrosion	Anti-corrosion
Compressor	Model Name		-	DS4GJ5080FVA x 1 + DSGB066FAVB x 2	DS4GJ5080FVA x 1 + DSGB066FAVB x 2	DS-GB052FAVBx2 + DSGB066FAVBx2
	Output		kW x n	(7.81 x 1) x 1 + (6.39 x 2) x 1	(7.81 x 1) x 1 + (6.39 x 2) x 1	(6.39 x 2) x 2
	Oil	Type	-	PVE	PVE	PVE
		Initial charge	cc x n	(1,400 x 1) x 1 + (1,100 x 2) x 1	(1,400 x 1) x 1 + (1,100 x 2) x 1	(1,100 x 2) x 2
Fan	Type		-	Propeller	Propeller	Propeller
	Discharge direction		-	Top	Top	Top
	Quantity		EA	4	4	4
	Air Flow Rate		m^2/min	255 x 1 + 290 x 1	290 x 2	290 x 2
			l/s	4,250 x 1 + 4,833 x 1	4,833 x 2	4,833 x 2
	External Static Pressure	Max.	mmAq	8	8	8
			Pa	78.45	78.45	78.45
Fan Motor	Type		-	BLDC Motor	BLDC Motor	BLDC Motor
	Output		W x n	(620 x 2) x 2	(620 x 2) x 2	(620 x 2) x 2
Piping Connections	Liquid Pipe		Type	Braze connection	Braze connection	Braze connection
			Φ, mm (inch)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)
	Gas Pipe		Type	Braze connection	Braze connection	Braze connection
			Φ, mm (inch)	41.28 (1-5/8)	41.28 (1-5/8)	41.28 (1-5/8)
	High pressure Gas Pipe(HR Only)		Type	-	-	-
			Φ, mm (inch)	-	-	-
	Heat Insulation		-	Both liquid and gas pipes	Both liquid and gas pipes	Both liquid and gas pipes
	Piping length (ODU-IDU)	Max. [Equiv.]	m	200 [220]	200 [220]	200 [220]
	Piping length (1st Branch-IDU)	Max.	m	90	90	90
	Total piping length (System)	Max.	m	1,000	1,000	1,000
	Level difference (ODU in highest position)	Max.	m	110	110	110
	Level difference (IDU in highest position)	Max.	m	110	110	110
	Level difference (IDU-IDU)	Max.	m	50	50	50

2. Specifications

Wiring connections	Transmission Cable		mm^2	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 x 2	8.4 x 2	8.4 x 2
Sound	Sound Pressure	Cooling	dB(A)	67	68	68
	Sound Pressure	Heating	dB(A)	69	70	70
	Sound Power		dB(A)	90	90	91
External Dimension	Net Weight		kg	253.0 x 1 + 285.0 x 1	255.0 x 1 + 285.0 x 1	277.0 x 1 + 285.0 x 1
	Shipping Weight		kg	273.0 x 1 + 305.0 x 1	275.0 x 1 + 305.0 x 1	297.0 x 1 + 305.0 x 1
	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		°C	-5 ~ 48	-5 ~ 48	-5 ~ 48
	Heating		°C	-25 ~ 24	-25 ~ 24	-25 ~ 24

NOTE

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

1) Nominal capacities are based on (Equivalent refrigerant piping 7.5m, Level differences 0m);
   - Cooling : Indoor temperature 27°C DB, 19°C WB / Outdoor temperature 35°C DB, 24°C WB
   - Heating : Indoor temperature 20°C DB, 15°C WB / Outdoor temperature 7°C DB, 6°C WB
2) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
3) 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
4) These products contain R410A which is fluorinated greenhouse gas.
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	DVM S	DVM S
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			Ø, #, 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	129.0	134.4
			Btu/h	420,400	440,200	458,600
		Heating	kW	138.6	144.9	151.2
			Btu/h	472,900	494,400	515,900
Maximum number of connectable indoor units			EA	64	64	64
Total capacity of the connected Indoor Units		Min.	kW	61.6	64.5	67.2
Total capacity of the connected Indoor Units		Max.	kW	160.2	167.7	174.7
Power	Power Input (Nominal)	Cooling	kW	34.70	34.80	35.30
		Heating	kW	33.40	32.20	32.50
	Current Input (Nominal)	Cooling	A	55.60	55.80	56.60
		Heating	A	53.60	51.60	52.10
	Current	Minimum Ssc	MVA	17.2	22	23.6
		MCA	A	89.2	105	112.2
		MFA	A	100	125	125
Efficiency	EER (Nominal)	Cooling	W/W	3.55	3.71	3.81
	COP (Nominal)	Heating	W/W	4.15	4.50	4.65
	ESEER		W/W	6.25	6.71	6.64
Casing	Material	Body	-	EGI Steel Plate	EGI Steel Plate	EGI Steel Plate
		Base	-	EGI Steel Plate	EGI Steel Plate	EGI Steel Plate
Heat Exchanger	Type		-	Fin & Tube	Fin & Tube	Fin & Tube
	Material	Fin	-	Al	Al	Al
		Tube	-	Cu	Cu	Cu
	Fin Treatment		-	Anti-corrosion	Anti-corrosion	Anti-corrosion
Compressor	Model Name		-	DS-GB066FAVBx4	DS4GJ5080FVA x 3	DS4GJ5080FVA x 3
	Output		kW x n	(6.39 x 2) x 2	(7.81 x 1) x 1 + (7.81 x 2) x 1	(7.81 x 1) x 1 + (7.81 x 2) x 1
	Oil	Type	-	PVE	PVE	PVE
		Initial charge	cc x n	(1,100 x 2) x 2	(1,400 x 1) x 1 + (1,400 x 2) x 1	(1,400 x 1) x 1 + (1,400 x 2) x 1
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 x 1 + 340 x 1	290 x 1 + 340 x 1
			l/s	4,833 x 2	4,250 x 1 + 5,667 x 1	4,833 x 1 + 5,667 x 1
	External Static Pressure	Max.	mmAq	8	8	8
			Pa	78.45	78.45	78.45
Fan Motor	Type		-	BLDC Motor	BLDC Motor	BLDC Motor
	Output		W x n	(620 x 2) x 2	(620 x 2) x 2	(620 x 2) x 2
Piping Connec-tions	Liquid Pipe		Type	Braze connection	Braze connection	Braze connection
			Φ, mm (inch)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)
	Gas Pipe		Type	Braze connection	Braze connection	Braze connection
			Φ, mm (inch)	41.28 (1-5/8)	41.28 (1-5/8)	41.28 (1-5/8)
	High pressure Gas Pipe(HR Only)		Type	-	-	-
			Φ, mm (inch)	-	-	-
	Heat Insulation		-	Both liquid and gas pipes	Both liquid and gas pipes	Both liquid and gas pipes
	Piping length (ODU-IDU)	Max. [Equiv.]	m	200 [220]	200 [220]	200 [220]
	Piping length (1st Branch-IDU)	Max.	m	90	90	90
	Total piping length (System)	Max.	m	1,000	1,000	1,000
	Level difference (ODU in highest position)	Max.	m	110	110	110
	Level difference (IDU in highest position)	Max.	m	110	110	110
	Level difference (IDU-IDU)	Max.	m	50	50	50

2. Specifications

Wiring connections	Transmission Cable		mm^2	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 x 2	8.4 x 1 + 14.0 x 1	8.4 x 1 + 14.0 x 1
Sound	Sound Pressure	Cooling	dB(A)	68	70	70
	Sound Pressure	Heating	dB(A)	70	72	72
	Sound Power		dB(A)	92	91	91
External Dimension	Net Weight		kg	285.0 x 2	253.0 x 1 + 350.0 x 1	255.0 x 1 + 350.0 x 1
	Shipping Weight		kg	305.0 x 2	273.0 x 1 + 372.0 x 1	275.0 x 1 + 372.0 x 1
	Net Dimensions (WxHxD)		mm	(1,295 x 1,695 x 765) x 2	(1,295 x 1,695 x 765) x 1 + (1,295 x 1,795 x 765) x 1	(1,295 x 1,695 x 765) x 1 + (1,295 x 1,795 x 765) x 1
	Shipping Dimensions (WxHxD)		mm	(1,363 x 1,887 x 832) x 2	(1,363 x 1,887 x 832) x 1 + (1,363 x 1,987 x 832) x 1	(1,363 x 1,887 x 832) x 1 + (1,363 x 1,987 x 832) x 1
Operating Temp. Range	Cooling		°C	-5 ~ 48	-5 ~ 48	-5 ~ 48
	Heating		°C	-25 ~ 24	-25 ~ 24	-25 ~ 24

NOTE

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

1) Nominal capacities are based on (Equivalent refrigerant piping 7.5m, Level differences 0m);
   - Cooling : Indoor temperature 27°C DB, 19°C WB / Outdoor temperature 35°C DB, 24°C WB
   - Heating : Indoor temperature 20°C DB, 15°C WB / Outdoor temperature 7°C DB, 6°C WB
2) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
3) 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
4) These products contain R410A which is fluorinated greenhouse gas.
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	DVM S	DVM S
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			Ø, #, 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	140.0	145.6	151.2
			Btu/h	477,700	496,800	515,900
		Heating	kW	157.5	163.8	170.1
			Btu/h	537,400	558,900	580,400
Maximum number of connectable indoor units			EA	64	64	64
Total capacity of the connected Indoor Units		Min.	kW	70.0	72.8	75.6
Total capacity of the connected Indoor Units		Max.	kW	182.0	189.3	196.6
Power	Power Input (Nominal)	Cooling	kW	36.88	40.05	39.80
		Heating	kW	34.50	37.29	38.01
	Current Input (Nominal)	Cooling	A	59.10	64.20	63.80
		Heating	A	55.30	59.80	60.90
	Current	Minimum Ssc	MVA	22.9	23.4	27.3
		MCA	A	115	117.6	128
		MFA	A	150	150	150
Efficiency	EER (Nominal)	Cooling	W/W	3.80	3.64	3.80
	COP (Nominal)	Heating	W/W	4.57	4.39	4.48
	ESEER		W/W	6.61	6.48	6.83
Casing	Material	Body	-	EGI Steel Plate	EGI Steel Plate	EGI Steel Plate
		Base	-	EGI Steel Plate	EGI Steel Plate	EGI Steel Plate
Heat Exchanger	Type		-	Fin & Tube	Fin & Tube	Fin & Tube
	Material	Fin	-	Al	Al	Al
		Tube	-	Cu	Cu	Cu
	Fin Treatment		-	Anti-corrosion	Anti-corrosion	Anti-corrosion
Compressor	Model Name		-	DS-GB052FAVB x 2 + DS4GJ5080FVA x 2	DS-GB066FAVB x 2 + DS4GJ5080FVA x 2	DS-GB066FAVB x 2 + DS4GJ5080FVA x 2
	Output		kW x n	(6.39 x 2) x 1 + (7.81 x 2) x 1	(6.39 x 2) x 1 + (7.81 x 2) x 1	(6.39 x 2) x 1 + (7.81 x 2) x 1
	Oil	Type	-	PVE	PVE	PVE
		Initial charge	cc x n	(1,100 x 2) x 1 + (1,400 x 2) x 1	(1,100 x 2) x 1 + (1,400 x 2) x 1	(1,100 x 2) x 1 + (1,400 x 2) x 1
Fan	Type		-	Propeller	Propeller	Propeller
	Discharge direction		-	Top	Top	Top
	Quantity		EA	4	4	4
	Air Flow Rate		m^3/min	290 x 1 + 340 x 1	290 x 1 + 340 x 1	340 x 2
			l/s	4,833 x 1 + 5,667 x 1	4,833 x 1 + 5,667 x 1	5,667 x 2
	External Static Pressure	Max.	mmAq	8	8	8
			Pa	78.45	78.45	78.45
Fan Motor	Type		-	BLDC Motor	BLDC Motor	BLDC Motor
	Output		W x n	(620 x 2) x 2	(620 x 2) x 2	(620 x 2) x 2
Piping Connections	Liquid Pipe		Type	Braze connection	Braze connection	Braze connection
			Φ, mm (inch)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)
	Gas Pipe		Type	Braze connection	Braze connection	Braze connection
			Φ, mm (inch)	41.28 (1-5/8)	41.28 (1-5/8)	41.28 (1-5/8)
	High pressure Gas Pipe(HR Only)		Type	-	-	-
			Φ, mm (inch)	-	-	-
	Heat Insulation		-	Both liquid and gas pipes	Both liquid and gas pipes	Both liquid and gas pipes
	Piping length (ODU-IDU)	Max. [Equiv.]	m	200 [220]	200 [220]	200 [220]
	Piping length (1st Branch-IDU)	Max.	m	90	90	90
	Total piping length (System)	Max.	m	1,000	1,000	1,000
	Level difference (ODU in highest position)	Max.	m	110	110	110
	Level difference (IDU in highest position)	Max.	m	110	110	110
	Level difference (IDU-IDU)	Max.	m	50	50	50

2. Specifications

Wiring connections	Transmission Cable		mm^2	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 x 1 + 14.0 x 1	8.4 x 1 + 14.0 x 1	12.5 x 1 + 14.0 x 1
Sound	Sound Pressure	Cooling	dB(A)	70	70	71
	Sound Pressure	Heating	dB(A)	72	72	73
	Sound Power		dB(A)	92	93	93
External Dimension	Net Weight		kg	277.0 x 1 + 350.0 x 1	285.0 x 1 + 350.0 x 1	333.0 x 1 + 350.0 x 1
	Shipping Weight		kg	297.0 x 1 + 372.0 x 1	305.0 x 1 + 372.0 x 1	355.0 x 1 + 372.0 x 1
	Net Dimensions (WxHxD)		mm	(1,295 x 1,695 x 765) x 1 + (1,295 x 1,795 x 765) x 1	(1,295 x 1,695 x 765) x 1 + (1,295 x 1,795 x 765) x 1	(1,295 x 1,795 x 765) x 2
	Shipping Dimensions (WxHxD)		mm	(1,363 x 1,887 x 832) x 1 + (1,363 x 1,987 x 832) x 1	(1,363 x 1,887 x 832) x 1 + (1,363 x 1,987 x 832) x 1	(1,363 x 1,987 x 832) x 2
Operating Temp. Range	Cooling		°C	-5 ~ 48	-5 ~ 48	-5 ~ 48
	Heating		°C	-25 ~ 24	-25 ~ 24	-25 ~ 24

NOTE

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

1) Nominal capacities are based on (Equivalent refrigerant piping 7.5m, Level differences 0m);
   - Cooling : Indoor temperature 27°C DB, 19°C WB / Outdoor temperature 35°C DB, 24°C WB
   - Heating : Indoor temperature 20°C DB, 15°C WB / Outdoor temperature 7°C DB, 6°C WB
2) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
3) 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
4) These products contain R410A which is fluorinated greenhouse gas.
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

				DVM S	DVM S	DVM S
Type				DVM S	DVM S	DVM S
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			Ø, #, 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	168.0
			Btu/h	535,000	554,800	573,200
		Heating	kW	176.4	182.7	189.0
			Btu/h	601,900	623,400	644,900
Maximum number of connectable indoor units			EA	64	64	64
Total capacity of the connected Indoor Units		Min.	kW	78.4	81.3	84.0
Total capacity of the connected Indoor Units		Max.	kW	203.8	211.4	218.4
Power	Power Input (Nominal)	Cooling	kW	41.61	43.38	45.40
		Heating	kW	38.59	40.77	41.18
	Current Input (Nominal)	Cooling	A	66.70	69.60	72.80
		Heating	A	61.90	65.40	66.00
	Current	Minimum Ssc	MVA	27	28.4	29.6
		MCA	A	133	140	146
		MFA	A	150	175	175
Efficiency	EER (Nominal)	Cooling	W/W	3.77	3.75	3.70
	COP (Nominal)	Heating	W/W	4.57	4.48	4.59
	ESEER		W/W	6.78	6.74	6.65
Casing	Material	Body	-	EGI Steel Plate	EGI Steel Plate	EGI Steel Plate
		Base	-	EGI Steel Plate	EGI Steel Plate	EGI Steel Plate
Heat Exchanger	Type		-	Fin & Tube	Fin & Tube	Fin & Tube
	Material	Fin	-	Al	Al	Al
		Tube	-	Cu	Cu	Cu
	Fin Treatment		-	Anti-corrosion	Anti-corrosion	Anti-corrosion
Compressor	Model Name		-	DS-GB066FAVB x 2 + DS4GJ5080FVA x 2	DS-GB070FAVA x 2 + DS4GJ5080FVA x 2	DS4GJ5080FVA x 4
	Output		kW x n	(6.39 x 2) x 1 + (7.81 x 2) x 1	(6.76 x 2) x 1 + (7.81 x 2) x 1	(7.81 x 2) x 2
	Oil	Type	-	PVE	PVE	PVE
		Initial charge	cc x n	(1,100 x 2) x 1 + (1,400 x 2) x 1	(1,100 x 2) x 1 + (1,400 x 2) x 1	(1,400 x 2) x 2
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	5,667 x 2	5,667 x 2	5,667 x 2
	External Static Pressure	Max.	mmAq	8	8	8
			Pa	78.45	78.45	78.45
Fan Motor	Type		-	BLDC Motor	BLDC Motor	BLDC Motor
	Output		W x n	(620 x 2) x 2	(620 x 2) x 2	(620 x 2) x 2
Piping Connec-tions	Liquid Pipe		Type	Braze connection	Braze connection	Braze connection
			Φ, mm (inch)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)
	Gas Pipe		Type	Braze connection	Braze connection	Braze connection
			Φ, mm (inch)	41.28 (1-5/8)	41.28 (1-5/8)	41.28 (1-5/8)
	High pressure Gas Pipe(HR Only)		Type	-	-	-
			Φ, mm (inch)	-	-	-
	Heat Insulation		-	Both liquid and gas pipes	Both liquid and gas pipes	Both liquid and gas pipes
	Piping length (ODU-IDU)	Max. [Equiv.]	m	200 [220]	200 [220]	200 [220]
	Piping length (1st Branch-IDU)	Max.	m	90	90	90
	Total piping length (System)	Max.	m	1,000	1,000	1,000
	Level difference (ODU in highest position)	Max.	m	110	110	110
	Level difference (IDU in highest position)	Max.	m	110	110	110
	Level difference (IDU-IDU)	Max.	m	50	50	50

2. Specifications

Wiring connections	Transmission Cable		mm^2	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 x 1 + 14.0 x 1	14.0 x 2	14.0 x 2
Sound	Sound Pressure	Cooling	dB(A)	71	72	72
	Sound Pressure	Heating	dB(A)	73	74	74
	Sound Power		dB(A)	93	93	93
External Dimension	Net Weight		kg	333.0 x 1 + 350.0 x 1	342.0 x 1 + 350.0 x 1	350.0 x 2
	Shipping Weight		kg	355.0 x 1 + 372.0 x 1	364.0 x 1 + 372.0 x 1	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		°C	-5 ~ 48	-5 ~ 48	-5 ~ 48
	Heating		°C	-25 ~ 24	-25 ~ 24	-25 ~ 24

NOTE

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

1) Nominal capacities are based on (Equivalent refrigerant piping 7.5m, Level differences 0m);
   - Cooling : Indoor temperature 27°C DB, 19°C WB / Outdoor temperature 35°C DB, 24°C WB
   - Heating : Indoor temperature 20°C DB, 15°C WB / Outdoor temperature 7°C DB, 6°C WB
2) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
3) 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
4) These products contain R410A which is fluorinated greenhouse gas.
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	DVM S	DVM S
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			Ø, #, 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	592,300	611,500	633,300
		Heating	kW	195.3	201.6	208.8
			Btu/h	666,400	687,900	712,500
Maximum number of connectable indoor units			EA	64	64	64
Total capacity of the connected Indoor Units		Min.	kW	86.8	89.6	92.8
Total capacity of the connected Indoor Units		Max.	kW	225.7	233.0	241.3
Power	Power Input (Nominal)	Cooling	kW	46.90	48.21	50.98
		Heating	kW	43.94	45.32	47.45
	Current Input (Nominal)	Cooling	A	75.20	77.30	81.70
		Heating	A	70.50	72.70	76.10
	Current	Minimum Ssc	MVA	27.9	28.7	28.8
		MCA	A	138.7	142.6	142.6
		MFA	A	175	175	175
Efficiency	EER (Nominal)	Cooling	W/W	3.70	3.72	3.64
	COP (Nominal)	Heating	W/W	4.44	4.45	4.40
	ESEER		W/W	6.60	6.58	6.60
Casing	Material	Body	-	EGI Steel Plate	EGI Steel Plate	EGI Steel Plate
		Base	-	EGI Steel Plate	EGI Steel Plate	EGI Steel Plate
Heat Exchanger	Type		-	Fin & Tube	Fin & Tube	Fin & Tube
	Material	Fin	-	Al	Al	Al
		Tube	-	Cu	Cu	Cu
	Fin Treatment		-	Anti-corrosion	Anti-corrosion	Anti-corrosion
Compressor	Model Name		-	DS-GB066FAVB x 3 + DS4GJ5080FVA x 2	DS-GB066FAVB x 3 + DS4GJ5080FVA x 2	DS-GB066FAVB x 3 + DS4GJ5080FVA x 2
	Output		kW x n	(6.39 x 1) x 1 + (6.39 x 2) x 1 + (7.81 x 2) x 1	(6.39 x 1) x 1 + (6.39 x 2) x 1 + (7.81 x 2) x 1	(6.39 x 1) x 1 + (6.39 x 2) x 1 + (7.81 x 2) x 1
	Oil	Type	-	PVE	PVE	PVE
		Initial charge	cc x n	(1,100 x 1) x 1 + (1,100 x 2) x 1 + (1,400 x 2) x 1	(1,100 x 1) x 1 + (1,100 x 2) x 1 + (1,400 x 2) x 1	(1,100 x 1) x 1 + (1,100 x 2) x 1 + (1,400 x 2) x 1
Fan	Type		-	Propeller	Propeller	Propeller
	Discharge direction		-	Top	Top	Top
	Quantity		EA	5	5	6
	Air Flow Rate		m^2/min	170 x 1 + 290 x 1 + 340 x 1	220 x 1 + 290 x 1 + 340 x 1	255 x 1 + 290 x 1 + 340 x 1
			l/s	2,833 x 1 + 4,833 x 1 + 5,667 x 1	3,667 x 1 + 4,833 x 1 + 5,667 x 1	4,250 x 1 + 4,833 x 1 + 5,667 x 1
	External Static Pressure	Max.	mmAq	8	8	8
			Pa	78.45	78.45	78.45
Fan Motor	Type		-	BLDC Motor	BLDC Motor	BLDC Motor
	Output		W x n	(830 x 1) x 1 + (620 x 2) x 2	(830 x 1) x 1 + (620 x 2) x 2	(620 x 2) x 3
Piping Connec-tions	Liquid Pipe		Type	Braze connection	Braze connection	Braze connection
			Φ, mm (inch)	22.22 (7/8)	22.22 (7/8)	22.22 (7/8)
	Gas Pipe		Type	Braze connection	Braze connection	Braze connection
			Φ, mm (inch)	53.98 (2-1/8)	53.98 (2-1/8)	53.98 (2-1/8)
	High pressure Gas Pipe(HR Only)		Type	-	-	-
			Φ, mm (inch)	-	-	-
	Heat Insulation		-	Both liquid and gas pipes	Both liquid and gas pipes	Both liquid and gas pipes
	Piping length (ODU-IDU)	Max. [Equiv.]	m	200 [220]	200 [220]	200 [220]
	Piping length (1st Branch-IDU)	Max.	m	90	90	90
	Total piping length (System)	Max.	m	1,000	1,000	1,000
	Level difference (ODU in highest position)	Max.	m	110	110	110
	Level difference (IDU in highest position)	Max.	m	110	110	110
	Level difference (IDU-IDU)	Max.	m	50	50	50

2. Specifications

Wiring connections	Transmission Cable		mm^2	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 x 1 + 8.4 x 1 + 14.0 x 1	6.5 x 1 + 8.4 x 1 + 14.0 x 1	7.7 x 1 + 8.4 x 1 + 14.0 x 1
Sound	Sound Pressure	Cooling	dB(A)	71	71	71
	Sound Pressure	Heating	dB(A)	73	73	73
	Sound Power		dB(A)	93	93	93
External Dimension	Net Weight		kg	197.0 x 1 + 285.0 x 1 + 350.0 x 1	210.0 x 1 + 285.0 x 1 + 350.0 x 1	226.0 x 1 + 285.0 x 1 + 350.0 x 1
	Shipping Weight		kg	213.0 x 1 + 305.0 x 1 + 372.0 x 1	226.0 x 1 + 305.0 x 1 + 372.0 x 1	246.0 x 1 + 305.0 x 1 + 372.0 x 1
	Net Dimensions (WxHxD)		mm	(880 x 1,695 x 765) x 1 + (1,295 x 1,695 x 765) x 1 + (1,295 x 1,795 x 765) x 1	(880 x 1,695 x 765) x 1 + (1,295 x 1,695 x 765) x 1 + (1,295 x 1,795 x 765) x 1	(1,295 x 1,695 x 765) x 2 + (1,295 x 1,795 x 765) x 1
	Shipping Dimensions (WxHxD)		mm	(948 x 1,887 x 832) x 1 + (1,363 x 1,887 x 832) x 1 + (1,363 x 1,987 x 832) x 1	(948 x 1,887 x 832) x 1 + (1,363 x 1,887 x 832) x 1 + (1,363 x 1,987 x 832) x 1	(1,363 x 1,887 x 832) x 2 + (1,363 x 1,987 x 832) x 1
Operating Temp. Range	Cooling		°C	-5 ~ 48	-5 ~ 48	-5 ~ 48
	Heating		°C	-25 ~ 24	-25 ~ 24	-25 ~ 24

NOTE

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

1) Nominal capacities are based on (Equivalent refrigerant piping 7.5m, Level differences 0m);
   - Cooling : Indoor temperature 27°C DB, 19°C WB / Outdoor temperature 35°C DB, 24°C WB
   - Heating : Indoor temperature 20°C DB, 15°C WB / Outdoor temperature 7°C DB, 6°C WB
2) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
3) 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
4) These products contain R410A which is fluorinated greenhouse gas.
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	DVM S	DVM S
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			Ø, #, 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	196.0	201.6
			Btu/h	650,400	668,800	687,900
		Heating	kW	214.2	220.5	226.8
			Btu/h	730,900	752,400	773,900
Maximum number of connectable indoor units			EA	64	64	64
Total capacity of the connected Indoor Units		Min.	kW	95.3	98.0	100.8
Total capacity of the connected Indoor Units		Max.	kW	247.8	254.8	262.1
Power	Power Input (Nominal)	Cooling	kW	52.15	52.65	54.23
		Heating	kW	48.90	49.20	51.20
	Current Input (Nominal)	Cooling	A	83.60	84.40	86.90
		Heating	A	78.40	78.90	82.10
	Current	Minimum Ssc	MVA	30.6	32.2	31.5
		MCA	A	149.6	156.8	159.6
		MFA	A	175	175	175
Efficiency	EER (Nominal)	Cooling	W/W	3.65	3.72	3.72
	COP (Nominal)	Heating	W/W	4.38	4.48	4.43
	ESEER		W/W	6.56	6.51	6.50
Casing	Material	Body	-	EGI Steel Plate	EGI Steel Plate	EGI Steel Plate
		Base	-	EGI Steel Plate	EGI Steel Plate	EGI Steel Plate
Heat Exchanger	Type		-	Fin & Tube	Fin & Tube	Fin & Tube
	Material	Fin	-	Al	Al	Al
		Tube	-	Cu	Cu	Cu
	Fin Treatment		-	Anti-corrosion	Anti-corrosion	Anti-corrosion
Compressor	Model Name		-	DS4GJ5080FVA x 3 + DSGB066FAVB x 2	DS4GJ5080FVA x 3 + DSGB066FAVB x 2	DS-GB052FAVB x 2 + DSGB066FAVB x 2 + DS4GJ5080FVA x 2
	Output		kW x n	(7.81 x 1) x 1 + (6.39 x 2) x 1 + (7.81 x 2) x 1	(7.81 x 1) x 1 + (6.39 x 2) x 1 + (7.81 x 2) x 1	(6.39 x 2) x 2 + (7.81 x 2) x 1
	Oil	Type	-	PVE	PVE	PVE
		Initial charge	cc x n	(1,400 x 1) x 1 + (1,100 x 2) x 1 + (1,400 x 2) x 1	(1,400 x 1) x 1 + (1,100 x 2) x 1 + (1,400 x 2) x 1	(1,100 x 2) x 2 + (1,400 x 2) x 1
Fan	Type		-	Propeller	Propeller	Propeller
	Discharge direction		-	Top	Top	Top
	Quantity		EA	6	6	6
	Air Flow Rate		m^3/min	255 x 1 + 290 x 1 + 340 x 1	290 x 2 + 340 x 1	290 x 2 + 340 x 1
			l/s	4,250 x 1 + 4,833 x 1 + 5,667 x 1	4,833 x 2 + 5,667 x 1	4,833 x 2 + 5,667 x 1
	External Static Pressure	Max.	mmAq	8	8	8
			Pa	78.45	78.45	78.45
Fan Motor	Type		-	BLDC Motor	BLDC Motor	BLDC Motor
	Output		W x n	(620 x 2) x 3	(620 x 2) x 3	(620 x 2) x 3
Piping Connections	Liquid Pipe		Type	Braze connection	Braze connection	Braze connection
			Φ, mm (inch)	22.22 (7/8)	22.22 (7/8)	22.22 (7/8)
	Gas Pipe		Type	Braze connection	Braze connection	Braze connection
			Φ, mm (inch)	53.98 (2-1/8)	53.98 (2-1/8)	53.98 (2-1/8)
	High pressure Gas Pipe(HR Only)		Type	-	-	-
			Φ, mm (inch)	-	-	-
	Heat Insulation		-	Both liquid and gas pipes	Both liquid and gas pipes	Both liquid and gas pipes
	Piping length (ODU-IDU)	Max. [Equiv.]	m	200 [220]	200 [220]	200 [220]
	Piping length (1st Branch-IDU)	Max.	m	90	90	90
	Total piping length (System)	Max.	m	1,000	1,000	1,000
	Level difference (ODU in highest position)	Max.	m	110	110	110
	Level difference (IDU in highest position)	Max.	m	110	110	110
	Level difference (IDU-IDU)	Max.	m	50	50	50

2. Specifications

Wiring connections	Transmission Cable		mm^2	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 x 2 + 14.0 x 1	8.4 x 2 + 14.0 x 1	8.4 x 2 + 14.0 x 1
Sound	Sound Pressure	Cooling	dB(A)	71	71	72
	Sound Pressure	Heating	dB(A)	73	73	74
	Sound Power		dB(A)	93	93	94
External Dimension	Net Weight		kg	253.0 x 1 + 285.0 x 1 + 350.0 x 1	255.0 x 1 + 285.0 x 1 + 350.0 x 1	277.0 x 1 + 285.0 x 1 + 350.0 x 1
	Shipping Weight		kg	273.0 x 1 + 305.0 x 1 + 372.0 x 1	275.0 x 1 + 305.0 x 1 + 372.0 x 1	297.0 x 1 + 305.0 x 1 + 372.0 x 1
	Net Dimensions (WxHxD)		mm	(1,295 x 1,695 x 765) x 2 + (1,295 x 1,795 x 765) x 1	(1,295 x 1,695 x 765) x 2 + (1,295 x 1,795 x 765) x 1	(1,295 x 1,695 x 765) x 2 + (1,295 x 1,795 x 765) x 1
	Shipping Dimensions (WxHxD)		mm	(1,363 x 1,887 x 832) x 2 + (1,363 x 1,987 x 832) x 1	(1,363 x 1,887 x 832) x 2 + (1,363 x 1,987 x 832) x 1	(1,363 x 1,887 x 832) x 2 + (1,363 x 1,987 x 832) x 1
Operating Temp. Range	Cooling		°C	-5 ~ 48	-5 ~ 48	-5 ~ 48
	Heating		°C	-25 ~ 24	-25 ~ 24	-25 ~ 24

NOTE

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

1) Nominal capacities are based on (Equivalent refrigerant piping 7.5m, Level differences 0m);
   - Cooling : Indoor temperature 27°C DB, 19°C WB / Outdoor temperature 35°C DB, 24°C WB
   - Heating : Indoor temperature 20°C DB, 15°C WB / Outdoor temperature 7°C DB, 6°C WB
2) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
3) 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
4) These products contain R410A which is fluorinated greenhouse gas.
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	DVM S	DVM S
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			Ø, #, 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	707,000	726,100	745,200
		Heating	kW	233.1	239.4	245.7
			Btu/h	795,400	816,900	838,400
Maximum number of connectable indoor units			EA	64	64	64
Total capacity of the connected Indoor Units		Min.	kW	103.6	106.4	109.2
Total capacity of the connected Indoor Units		Max.	kW	269.4	276.6	283.9
Power	Power Input (Nominal)	Cooling	kW	57.40	57.15	58.96
		Heating	kW	53.99	54.71	55.29
	Current Input (Nominal)	Cooling	A	92.00	91.60	94.50
		Heating	A	86.60	87.70	88.70
	Current	Minimum Ssc	MVA	32	35.9	35.6
		MCA	A	162.2	172.6	177.6
		MFA	A	200	200	200
Efficiency	EER (Nominal)	Cooling	W/W	3.61	3.72	3.70
	COP (Nominal)	Heating	W/W	4.32	4.38	4.44
	ESEER		W/W	6.41	6.66	6.63
Casing	Material	Body	-	EGI Steel Plate	EGI Steel Plate	EGI Steel Plate
		Base	-	EGI Steel Plate	EGI Steel Plate	EGI Steel Plate
Heat Exchanger	Type		-	Fin & Tube	Fin & Tube	Fin & Tube
	Material	Fin	-	Al	Al	Al
		Tube	-	Cu	Cu	Cu
	Fin Treatment		-	Anti-corrosion	Anti-corrosion	Anti-corrosion
Compressor	Model Name		-	DS-GB066FAVB x 4 + DS4GJ5080FVA x 2	DS-GB066FAVB x 4 + DS4GJ5080FVA x 2	DS-GB066FAVB x 4 + DS4GJ5080FVA x 2
	Output		kW x n	(6.39 x 2) x 2 + (7.81 x 2) x 1	(6.39 x 2) x 2 + (7.81 x 2) x 1	(6.39 x 2) x 2 + (7.81 x 2) x 1
	Oil	Type	-	PVE	PVE	PVE
		Initial charge	cc x n	(1,100 x 2) x 2 + (1,400 x 2) x 1	(1,100 x 2) x 2 + (1,400 x 2) x 1	(1,100 x 2) x 2 + (1,400 x 2) x 1
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 x 1	290 x 1 + 340 x 2	290 x 1 + 340 x 2
			l/s	4,833 x 2 + 5,667 x 1	4,833 x 1 + 5,667 x 2	4,833 x 1 + 5,667 x 2
	External Static Pressure	Max.	mmAq	8	8	8
			Pa	78.45	78.45	78.45
Fan Motor	Type		-	BLDC Motor	BLDC Motor	BLDC Motor
	Output		W x n	(620 x 2) x 3	(620 x 2) x 3	(620 x 2) x 3
Piping Connections	Liquid Pipe		Type	Braze connection	Braze connection	Braze connection
			Φ, mm (inch)	22.22 (7/8)	22.22 (7/8)	22.22 (7/8)
	Gas Pipe		Type	Braze connection	Braze connection	Braze connection
			Φ, mm (inch)	53.98 (2-1/8)	53.98 (2-1/8)	53.98 (2-1/8)
	High pressure Gas Pipe(HR Only)		Type	-	-	-
			Φ, mm (inch)	-	-	-
	Heat Insulation		-	Both liquid and gas pipes	Both liquid and gas pipes	Both liquid and gas pipes
	Piping length (ODU-IDU)	Max. [Equiv.]	m	200 [220]	200 [220]	200 [220]
	Piping length (1st Branch-IDU)	Max.	m	90	90	90
	Total piping length (System)	Max.	m	1,000	1,000	1,000
	Level difference (ODU in highest position)	Max.	m	110	110	110
	Level difference (IDU in highest position)	Max.	m	110	110	110
	Level difference (IDU-IDU)	Max.	m	50	50	50

2. Specifications

Wiring connections	Transmission Cable		mm^2	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 x 2 + 14.0 x 1	8.4 x 1 + 12.5 x 1 + 14.0 x 1	8.4 x 1 + 12.5 x 1 + 14.0 x 1
Sound	Sound Pressure	Cooling	dB(A)	72	72	72
	Sound Pressure	Heating	dB(A)	74	74	74
	Sound Power		dB(A)	94	94	94
External Dimension	Net Weight		kg	285.0 x 2 + 350.0 x 1	285.0 x 1 + 333.0 x 1 + 350.0 x 1	285.0 x 1 + 333.0 x 1 + 350.0 x 1
	Shipping Weight		kg	305.0 x 2 + 372.0 x 1	305.0 x 1 + 355.0 x 1 + 372.0 x 1	305.0 x 1 + 355.0 x 1 + 372.0 x 1
	Net Dimensions (WxHxD)		mm	(1,295 x 1,695 x 765) x 2 + (1,295 x 1,795 x 765) x 1	(1,295 x 1,695 x 765) x 1 + (1,295 x 1,795 x 765) x 2	(1,295 x 1,695 x 765) x 1 + (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 1	(1,363 x 1,887 x 832) x 1 + (1,363 x 1,987 x 832) x 2	(1,363 x 1,887 x 832) x 1 + (1,363 x 1,987 x 832) x 2
Operating Temp. Range	Cooling		°C	-5 ~ 48	-5 ~ 48	-5 ~ 48
	Heating		°C	-25 ~ 24	-25 ~ 24	-25 ~ 24

NOTE

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

1) Nominal capacities are based on (Equivalent refrigerant piping 7.5m, Level differences 0m);
   - Cooling : Indoor temperature 27°C DB, 19°C WB / Outdoor temperature 35°C DB, 24°C WB
   - Heating : Indoor temperature 20°C DB, 15°C WB / Outdoor temperature 7°C DB, 6°C WB
2) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
3) 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
4) These products contain R410A which is fluorinated greenhouse gas.
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	DVM S	DVM S
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			Ø, #, 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	765,000	783,400	802,500
		Heating	kW	252.0	258.3	264.6
			Btu/h	859,900	881,400	902,900
Maximum number of connectable indoor units			EA	64	64	64
Total capacity of the connected Indoor Units		Min.	kW	112.1	114.8	117.6
Total capacity of the connected Indoor Units		Max.	kW	291.5	298.5	305.8
Power	Power Input (Nominal)	Cooling	kW	60.73	62.75	62.50
		Heating	kW	57.47	57.88	58.60
	Current Input (Nominal)	Cooling	A	97.40	100.60	100.20
		Heating	A	92.20	92.80	93.90
	Current	Minimum Ssc	MVA	37	38.2	42.1
		MCA	A	184.6	190.6	201
		MFA	A	225	225	225
Efficiency	EER (Nominal)	Cooling	W/W	3.69	3.66	3.76
	COP (Nominal)	Heating	W/W	4.38	4.46	4.52
	ESEER		W/W	6.60	6.54	6.77
Casing	Material	Body	-	EGI Steel Plate	EGI Steel Plate	EGI Steel Plate
		Base	-	EGI Steel Plate	EGI Steel Plate	EGI Steel Plate
Heat Exchanger	Type		-	Fin & Tube	Fin & Tube	Fin & Tube
	Material	Fin	-	Al	Al	Al
		Tube	-	Cu	Cu	Cu
	Fin Treatment		-	Anti-corrosion	Anti-corrosion	Anti-corrosion
Compressor	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
	Output		kW x n	(6.39 x 2) x 1 + (6.76 x 2) x 1 + (7.81 x 2) x 1	(6.39 x 2) x 1 + (7.81 x 2) x 2	(6.39 x 2) x 1 + (7.81 x 2) x 2
	Oil	Type	-	PVE	PVE	PVE
		Initial charge	cc x n	(1,100 x 2) x 2 + (1,400 x 2) x 1	(1,100 x 2) x 1 + (1,400 x 2) x 2	(1,100 x 2) x 1 + (1,400 x 2) x 2
Fan	Type		-	Propeller	Propeller	Propeller
	Discharge direction		-	Top	Top	Top
	Quantity		EA	6	6	6
	Air Flow Rate		m²/min	290 x 1 + 340 x 2	290 x 1 + 340 x 2	340 x 3
			l/s	4,833 x 1 + 5,667 x 2	4,833 x 1 + 5,667 x 2	5,667 x 3
	External Static Pressure	Max.	mmAq	8	8	8
			Pa	78.45	78.45	78.45
Fan Motor	Type		-	BLDC Motor	BLDC Motor	BLDC Motor
	Output		W x n	(620 x 2) x 3	(620 x 2) x 3	(620 x 2) x 3
Piping Connections	Liquid Pipe		Type	Braze connection	Braze connection	Braze connection
			Φ, mm (inch)	22.22 (7/8)	22.22 (7/8)	22.22 (7/8)
	Gas Pipe		Type	Braze connection	Braze connection	Braze connection
			Φ, mm (inch)	53.98 (2-1/8)	53.98 (2-1/8)	53.98 (2-1/8)
	High pressure Gas Pipe(HR Only)		Type	-	-	-
			Φ, mm (inch)	-	-	-
	Heat Insulation		-	Both liquid and gas pipes	Both liquid and gas pipes	Both liquid and gas pipes
	Piping length (ODU-IDU)	Max. [Equiv.]	m	200 [220]	200 [220]	200 [220]
	Piping length (1st Branch-IDU)	Max.	m	90	90	90
	Total piping length (System)	Max.	m	1,000	1,000	1,000
	Level difference (ODU in highest position)	Max.	m	110	110	110
	Level difference (IDU in highest position)	Max.	m	110	110	110
	Level difference (IDU-IDU)	Max.	m	50	50	50

2. Specifications

Wiring connections	Transmission Cable		mm^2	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 x 1 + 14.0 x 2	8.4 x 1 + 14.0 x 2	12.5 x 1 + 14.0 x 2
Sound	Sound Pressure	Cooling	dB(A)	73	73	73
	Sound Pressure	Heating	dB(A)	75	75	75
	Sound Power		dB(A)	94	94	94
External Dimension	Net Weight		kg	285.0 x 1 + 342.0 x 1 + 350.0 x 1	285.0 x 1 + 350.0 x 2	333.0 x 1 + 350.0 x 2
	Shipping Weight		kg	305.0 x 1 + 364.0 x 1 + 372.0 x 1	305.0 x 1 + 372.0 x 2	355.0 x 1 + 372.0 x 2
	Net Dimensions (WxHxD)		mm	(1,295 x 1,695 x 765) x 1 + (1,295 x 1,795 x 765) x 2	(1,295 x 1,695 x 765) x 1 + (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) x 1 + (1,363 x 1,987 x 832) x 2	(1,363 x 1,887 x 832) x 1 + (1,363 x 1,987 x 832) x 2	(1,363 x 1,987 x 832) x 3
Operating Temp. Range	Cooling		°C	-5 ~ 48	-5 ~ 48	-5 ~ 48
	Heating		°C	-25 ~ 24	-25 ~ 24	-25 ~ 24

NOTE

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

1) Nominal capacities are based on (Equivalent refrigerant piping 7.5m, Level differences 0m);
   - Cooling : Indoor temperature 27°C DB, 19°C WB / Outdoor temperature 35°C DB, 24°C WB
   - Heating : Indoor temperature 20°C DB, 15°C WB / Outdoor temperature 7°C DB, 6°C WB
2) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
3) 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
4) These products contain R410A which is fluorinated greenhouse gas.
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	DVM S	DVM S
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			Ø, #, 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	252.0
			Btu/h	821,600	841,400	859,900
		Heating	kW	270.9	277.2	283.5
			Btu/h	924,300	945,800	967,300
Maximum number of connectable indoor units			EA	64	64	64
Total capacity of the connected Indoor Units		Min.	kW	120.4	123.3	126.0
Total capacity of the connected Indoor Units		Max.	kW	313.0	320.6	327.6
Power	Power Input (Nominal)	Cooling	kW	64.31	66.08	68.10
		Heating	kW	59.18	61.36	61.77
	Current Input (Nominal)	Cooling	A	103.10	106.00	109.20
		Heating	A	94.90	98.40	99.00
	Current	Minimum Ssc	MVA	41.8	43.2	44.4
		MCA	A	206	213	219
		MFA	A	250	250	250
Efficiency	EER (Nominal)	Cooling	W/W	3.74	3.73	3.70
	COP (Nominal)	Heating	W/W	4.58	4.52	4.59
	ESEER		W/W	6.73	6.71	6.65
Casing	Material	Body	-	EGI Steel Plate	EGI Steel Plate	EGI Steel Plate
		Base	-	EGI Steel Plate	EGI Steel Plate	EGI Steel Plate
Heat Exchanger	Type		-	Fin & Tube	Fin & Tube	Fin & Tube
	Material	Fin	-	Al	Al	Al
		Tube	-	Cu	Cu	Cu
	Fin Treatment		-	Anti-corrosion	Anti-corrosion	Anti-corrosion
Compressor	Model Name		-	DS-GB066FAVB x 2 + DS4GJ5080FVA x 4	DS-GB070FAVA x 2 + DS4GJ5080FVA x 4	DS4GJ5080FVA x 6
	Output		kW x n	(6.39 x 2) x 1 + (7.81 x 2) x 2	(6.76 x 2) x 1 + (7.81 x 2) x 2	(7.81 x 2) x 3
	Oil	Type	-	PVE	PVE	PVE
		Initial charge	cc x n	(1,100 x 2) x 1 + (1,400 x 2) x 2	(1,100 x 2) x 1 + (1,400 x 2) x 2	(1,400 x 2) x 3
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	5,667 x 3	5,667 x 3	5,667 x 3
	External Static Pressure	Max.	mmAq	8	8	8
			Pa	78.45	78.45	78.45
Fan Motor	Type		-	BLDC Motor	BLDC Motor	BLDC Motor
	Output		W x n	(620 x 2) x 3	(620 x 2) x 3	(620 x 2) x 3
Piping Connections	Liquid Pipe		Type	Braze connection	Braze connection	Braze connection
			Φ, mm (inch)	22.22 (7/8)	22.22 (7/8)	22.22 (7/8)
	Gas Pipe		Type	Braze connection	Braze connection	Braze connection
			Φ, mm (inch)	53.98 (2-1/8)	53.98 (2-1/8)	53.98 (2-1/8)
	High pressure Gas Pipe(HR Only)		Type	-	-	-
			Φ, mm (inch)	-	-	-
	Heat Insulation		-	Both liquid and gas pipes	Both liquid and gas pipes	Both liquid and gas pipes
	Piping length (ODU-IDU)	Max. [Equiv.]	m	200 [220]	200 [220]	200 [220]
	Piping length (1st Branch-IDU)	Max.	m	90	90	90
	Total piping length (System)	Max.	m	1,000	1,000	1,000
	Level difference (ODU in highest position)	Max.	m	110	110	110
	Level difference (IDU in highest position)	Max.	m	110	110	110
	Level difference (IDU-IDU)	Max.	m	50	50	50

2. Specifications

Wiring connections	Transmission Cable		mm^2	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 x 1 + 14.0 x 2	14.0 x 3	14.0 x 3
Sound	Sound Pressure	Cooling	dB(A)	73	74	74
	Sound Pressure	Heating	dB(A)	75	76	76
	Sound Power		dB(A)	94	95	95
External Dimension	Net Weight		kg	333.0 x 1 + 350.0 x 2	342.0 x 1 + 350.0 x 2	350.0 x 3
	Shipping Weight		kg	355.0 x 1 + 372.0 x 2	364.0 x 1 + 372.0 x 2	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		°C	-5 ~ 48	-5 ~ 48	-5 ~ 48
	Heating		°C	-25 ~ 24	-25 ~ 24	-25 ~ 24

NOTE

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

1) Nominal capacities are based on (Equivalent refrigerant piping 7.5m, Level differences 0m);
   - Cooling : Indoor temperature 27°C DB, 19°C WB / Outdoor temperature 35°C DB, 24°C WB
   - Heating : Indoor temperature 20°C DB, 15°C WB / Outdoor temperature 7°C DB, 6°C WB
2) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
3) 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
4) These products contain R410A which is fluorinated greenhouse gas.
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
- MFA : Maximum fuse amperes
- TOCA : Total over current amperes
- FLA : Full load amperes
- MSC : Maximum starting current.
  DVM S uses inverter compress. Starting current is always ≤ TOCA.

3. Electrical Characteristics

Premium Energy Efficiency

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	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	2.90	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
- MFA : Maximum fuse amperes
- TOCA : Total over current amperes
- FLA : Full load amperes
- MSC : Maximum starting current.
  DVM S uses inverter compress. Starting current is always ≤ TOCA.

3. Electrical Characteristics

Standard

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	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

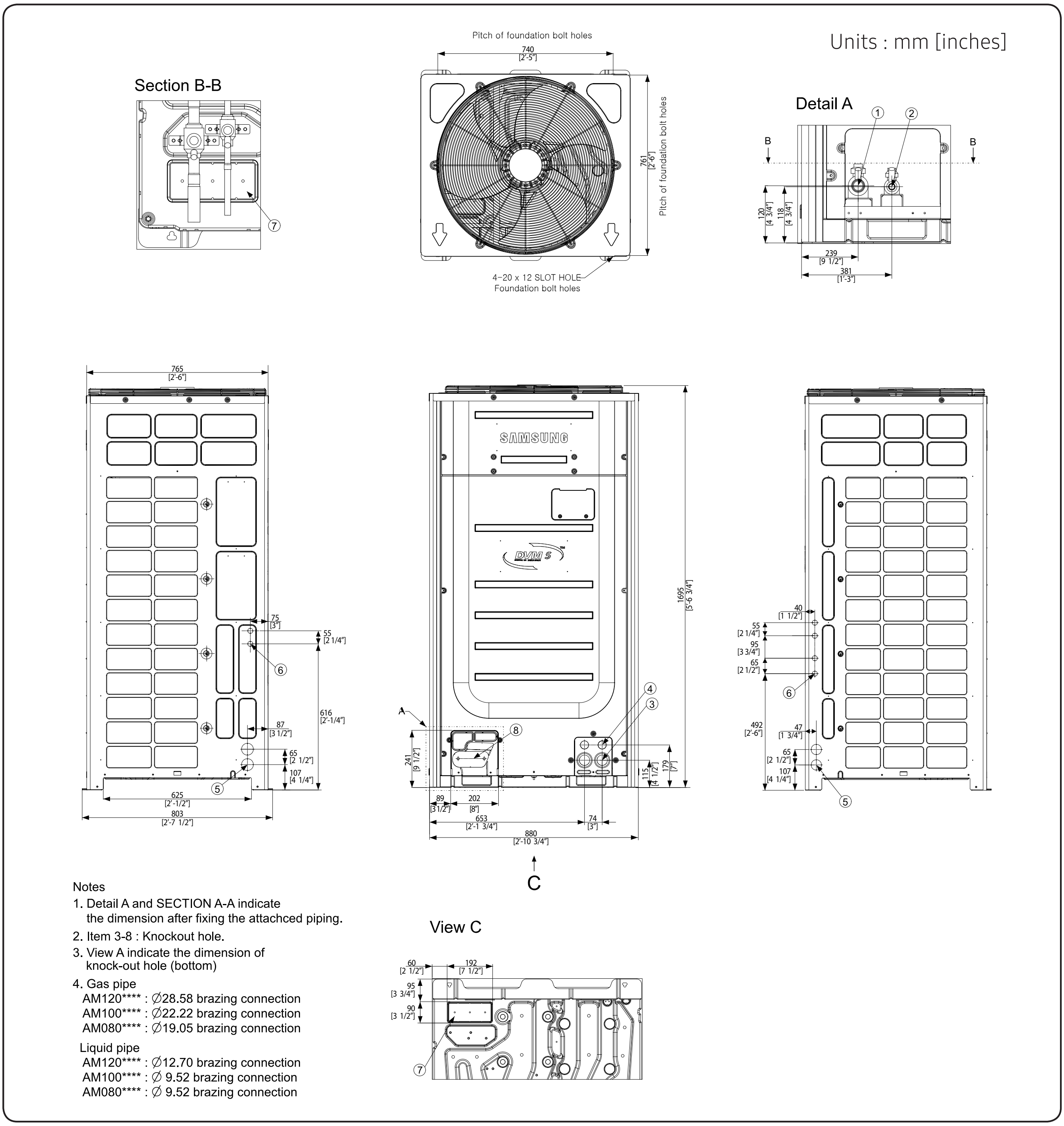
NOTE

- MCA : Mimium circuit amperes
- MFA : Maximum fuse 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 unit

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

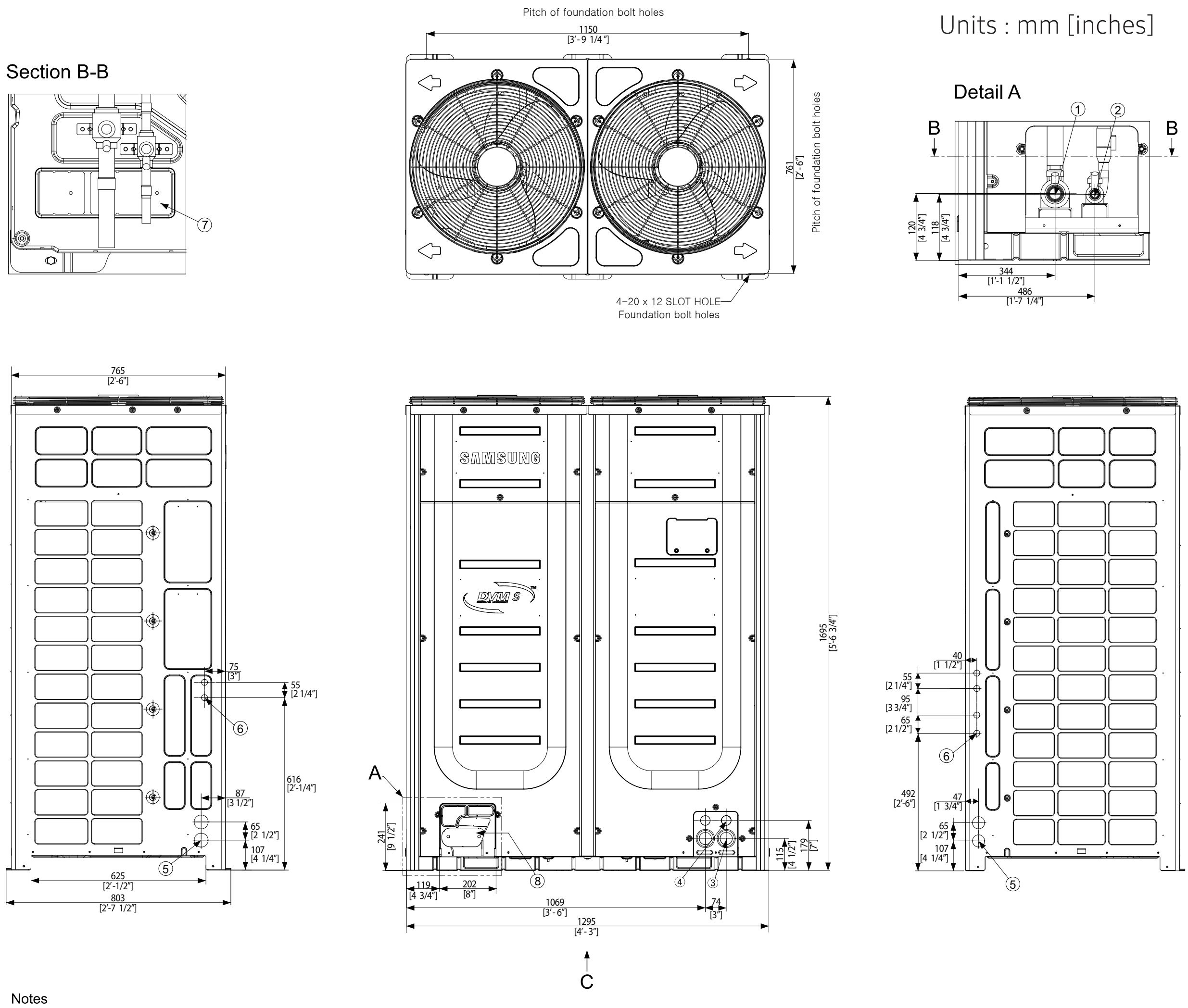


NO	Table of descriptions		NO	Table of descriptions	
1	Gas Ref. pipe	See note 4.	5	Power wiring conduit	Φ22
2	Liquid Ref. pipe	See note 4.	6	Communication wiring conduit	Φ44
3	Power wiring conduit	Φ34	7	Knock-out Hole for Ref. Piping (bottom)	
4	Communication wiring conduit	Φ44	8	Knock-out Hole for Ref. Piping (front)	

4. Dimensional Drawing

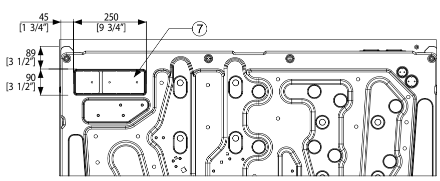
Outdoor unit

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



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

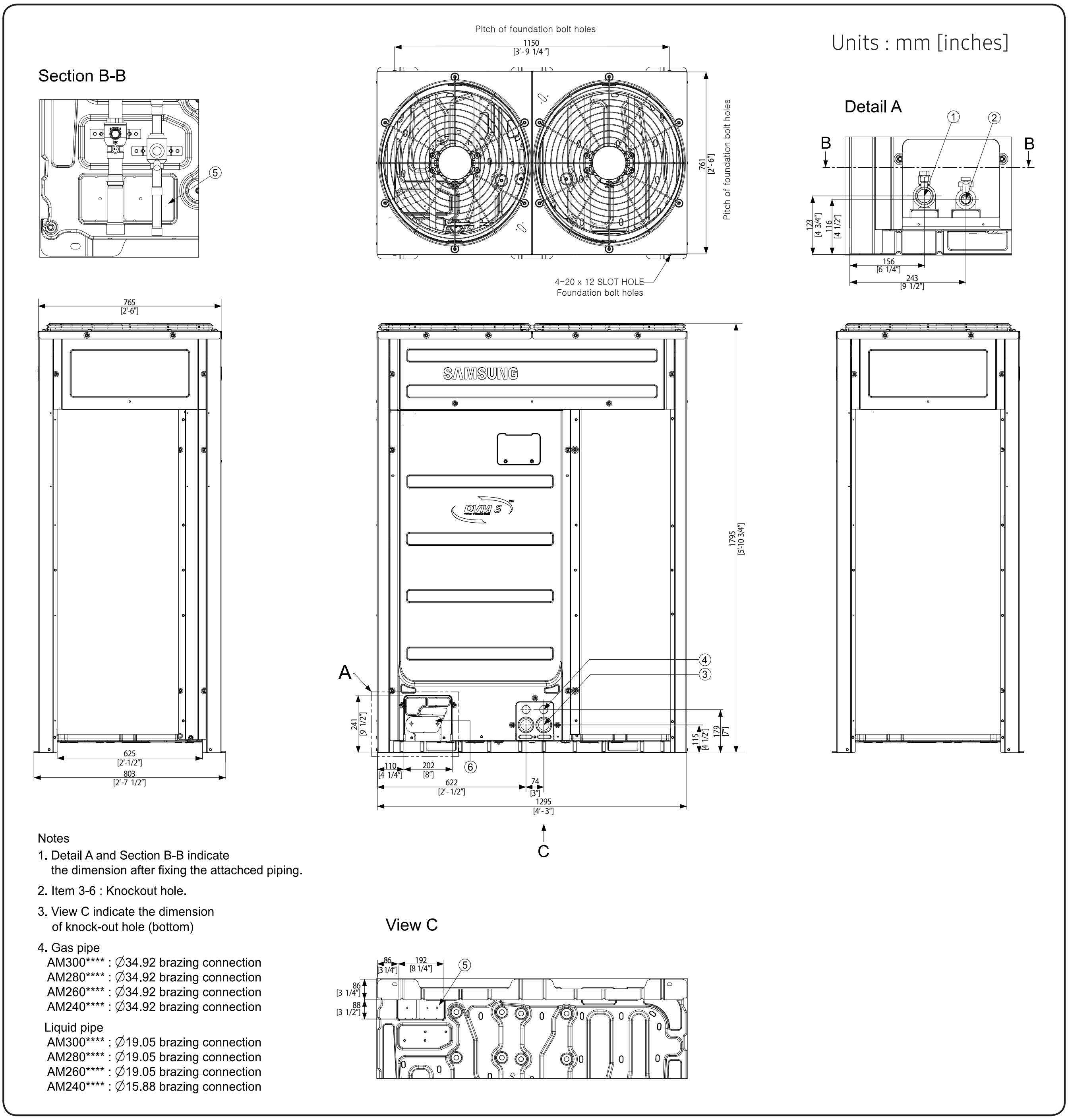


NO	Table of descriptions		NO	Table of descriptions	
1	Gas Ref. pipe	See note 4.	5	Power wiring conduit	Φ22
2	Liquid Ref. pipe	See note 4.	6	Communication wiring conduit	Φ44
3	Power wiring conduit	Φ34	7	Knock-out Hole for Ref. Piping (bottom)	
4	Communication wiring conduit	Φ44	8	Knock-out Hole for Ref. Piping (front)	

4. Dimensional Drawing

Outdoor unit

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



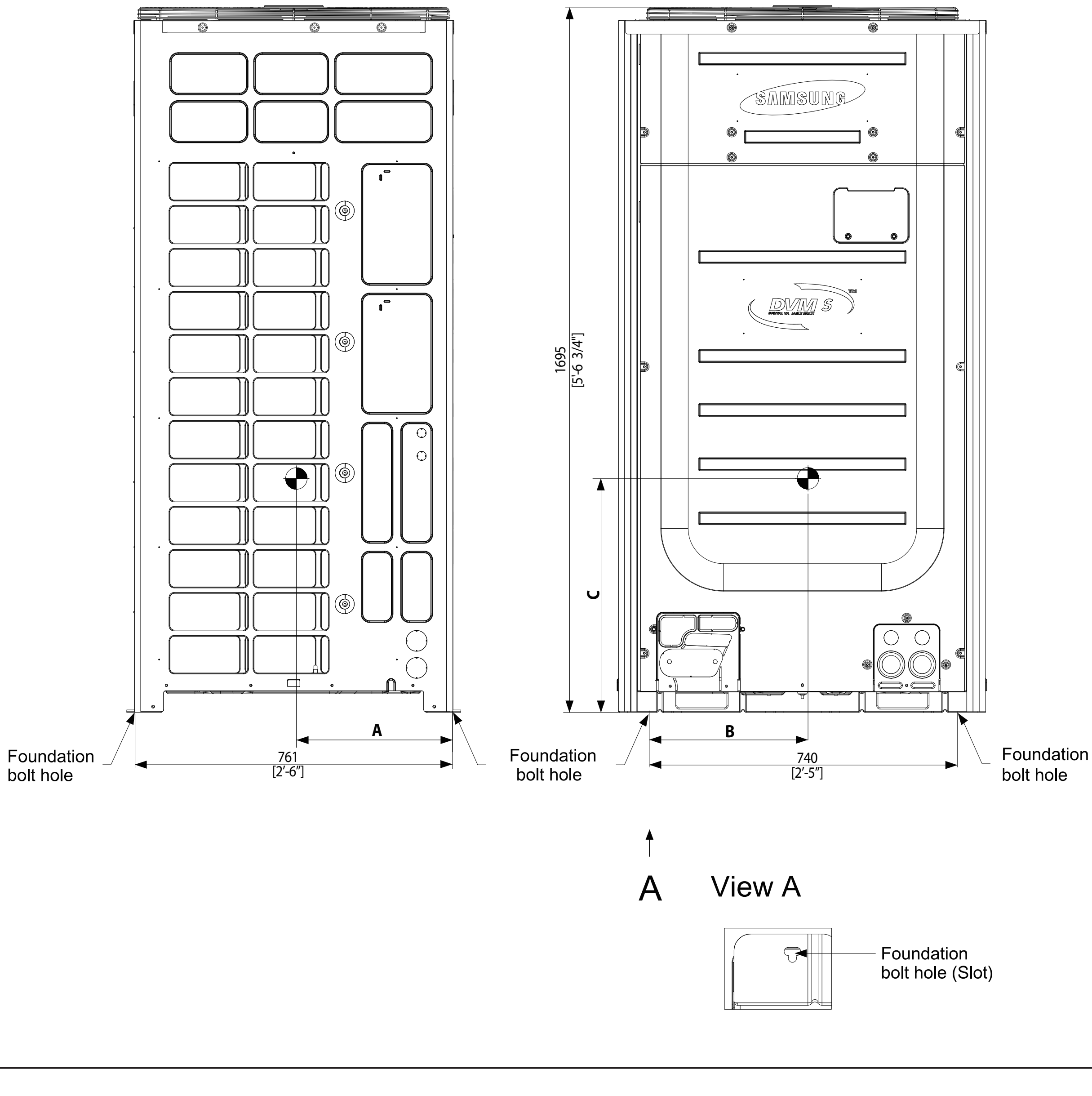
NO	Table of descriptions		NO	Table of descriptions	
1	Gas Ref. pipe	See note 4.	4	Communication wiring conduit	Φ44
2	Liquid Ref. pipe	See note 4.	5	Knock-out Hole for Ref. Piping (bottom)	
3	Power wiring conduit	Φ34	6	Knock-out Hole for Ref. Piping (front)	

5. Center of Gravity

Outdoor unit

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

Units : mm [inches]



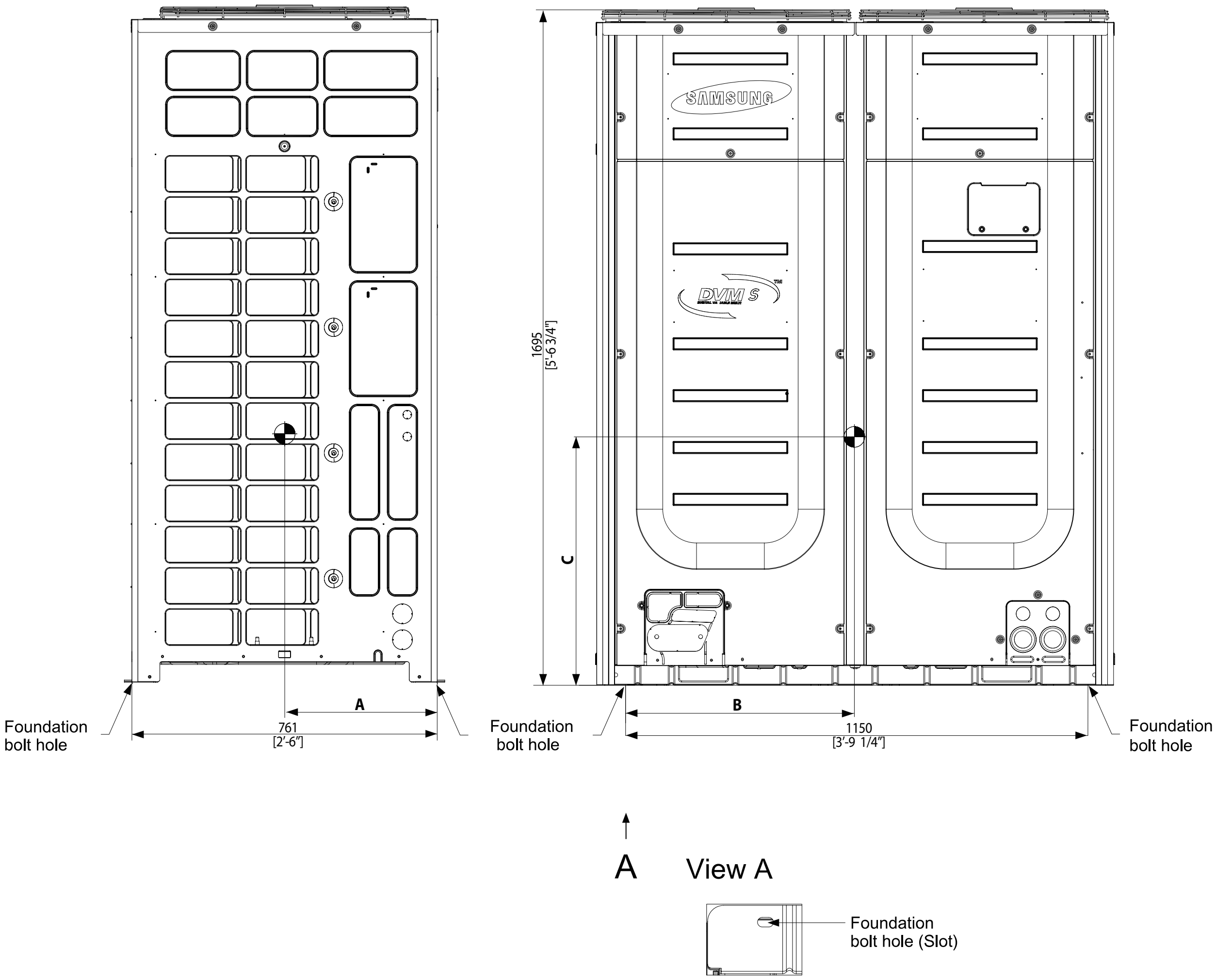
Model	A	B	C
AM120✕✕✕✕✕✕	361 [1'-3/4"]	455 [1'-6"]	560 [1'-10"]
AM100✕✕✕✕✕✕	336 [1'-11/4"]	455 [1'-6"]	560 [1'-10"]
AM080✕✕✕✕✕✕	336 [1'-11/4"]	455 [1'-6"]	560 [1'-10"]

5. Center of Gravity

Outdoor unit

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

Units : mm [inches]

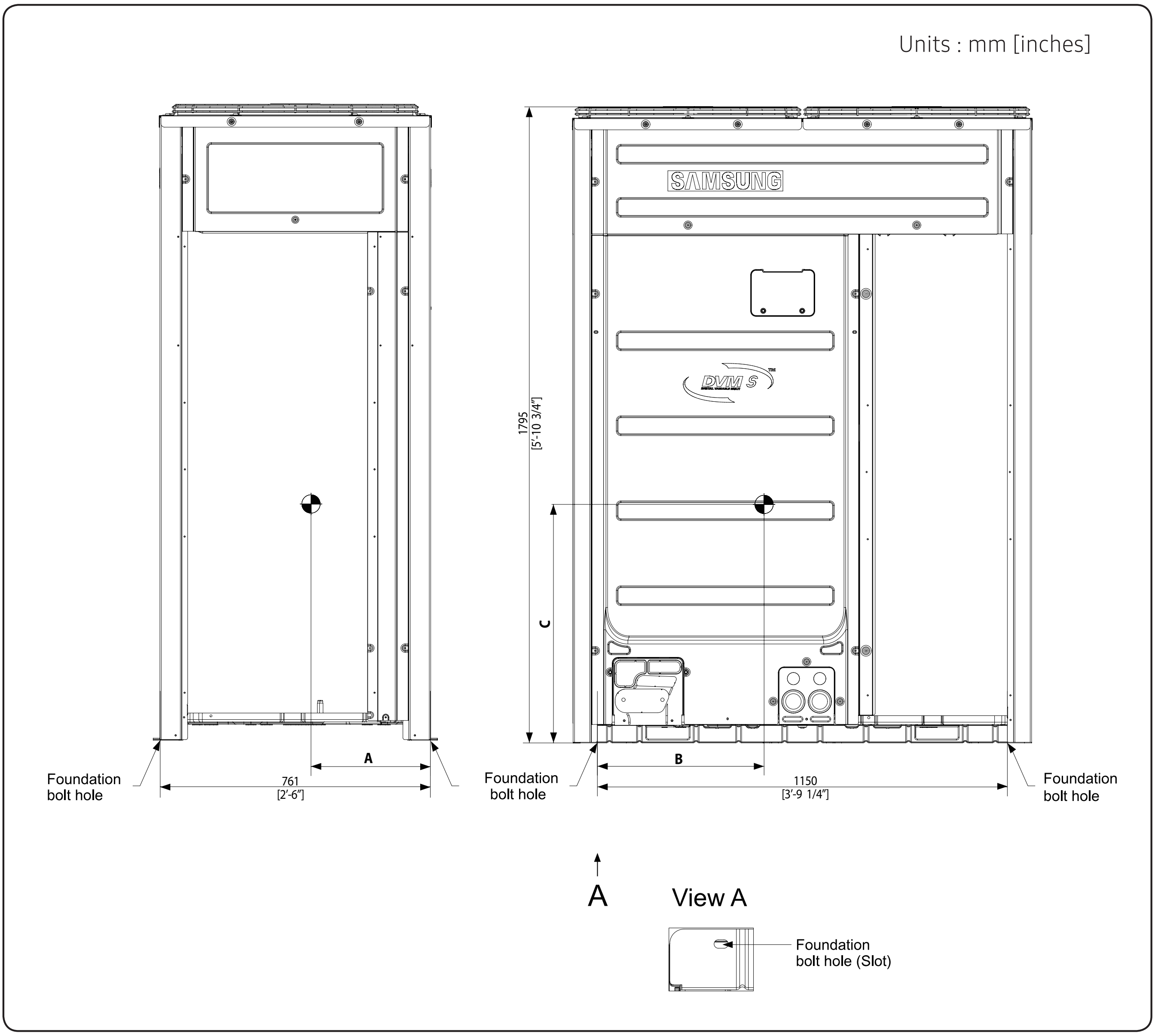


Model	A	B	C
AM220✱✱✱✱✱✱	336 [1'-1 1/4"]	654 [2'-1 3/4"]	620 [2'-1/2"]
AM200✱✱✱✱✱✱	336 [1'-1 1/4"]	654 [2'-1 3/4"]	620 [2'-1/2"]
AM180✱✱✱✱✱✱	336 [1'-1 1/4"]	654 [2'-1 3/4"]	620 [2'-1/2"]
AM160✱✱✱✱✱✱	367 [1'-2 1/2"]	656 [2'-1 3/4"]	620 [2'-1/2"]
AM140✱✱✱✱✱✱	369 [1'-2 1/2"]	567 [1'-11 1/2"]	620 [2'-1/2"]

5. Center of Gravity

Outdoor unit

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

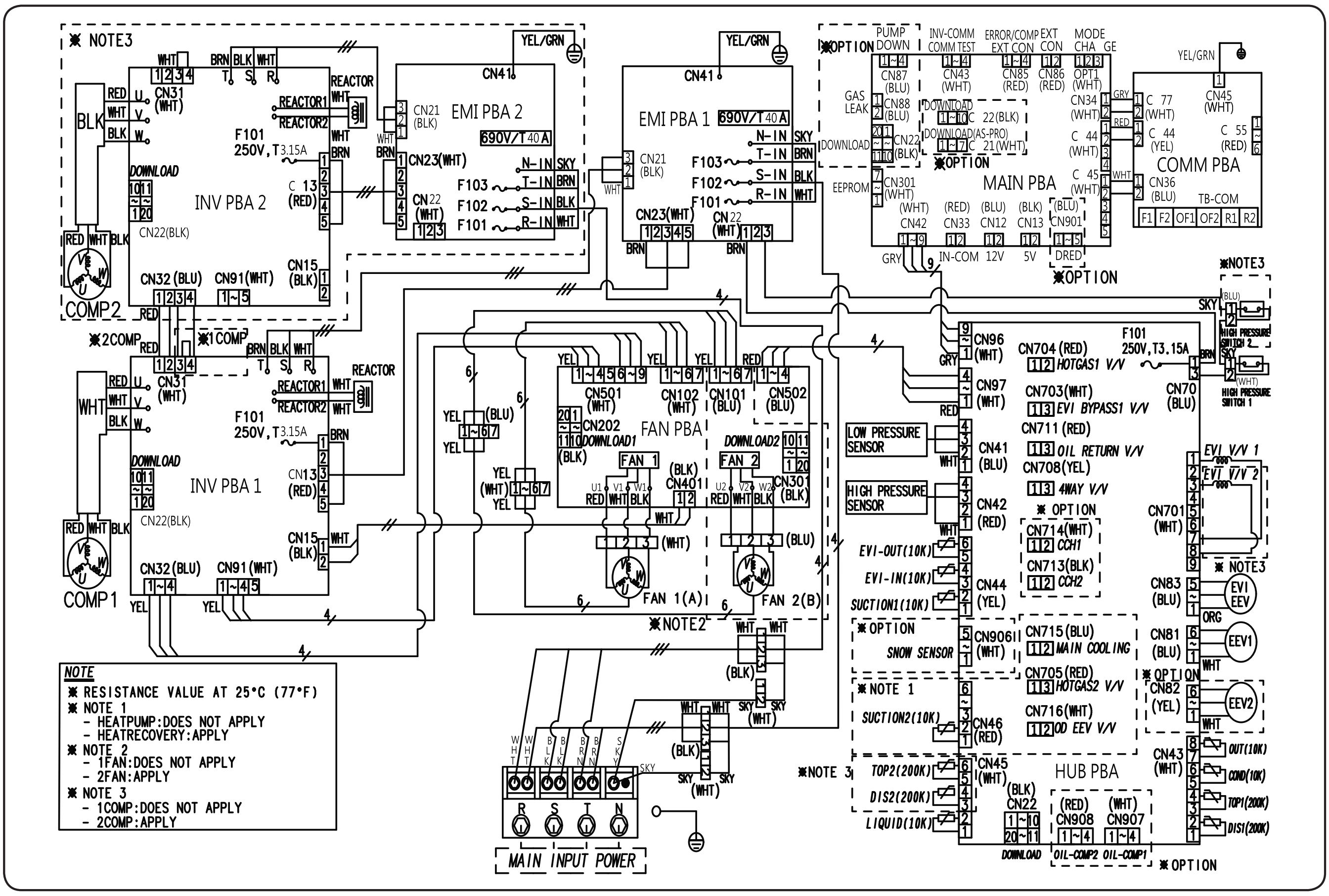


Model	A	B	C
AM240✱✱✱✱✱✱	393 [1'-3 1/2"]	665 [2'-2 1/4"]	640 [2'-1 1/4"]
AM260✱✱✱✱✱✱	393 [1'-3 1/2"]	665 [2'-2 1/4"]	640 [2'-1 1/4"]
AM280✱✱✱✱✱✱	335 [1'-1 1/4"]	564 [1'-10 1/4"]	675 [2'-2 1/2"]
AM300✱✱✱✱✱✱	335 [1'-1 1/4"]	564 [1'-10 1/4"]	675 [2'-2 1/2"]

6. Electrical Wiring Diagrams

Outdoor unit

- 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)	SUCTION1(10K)	Thermistor (Suction Temp.1_10Kohm)	4WAY V/V	Solenoid valve (4 Way valve)
MAIN PBA	Printed circuit board (main)	SUCTION2(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 (Compressor2)
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 (Compressor Top 1_200Kohm)	690V/T40A	FUSE (EMI PBA)
EVI V/V1	Solenode valve (EVI1)	TOP2(200K)	Thermistor (Compressor Top 2_200Kohm)	MODE CHANGE	Connector (Remote switching cool/heat selector)
EVI V/V 2	Solenode 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)

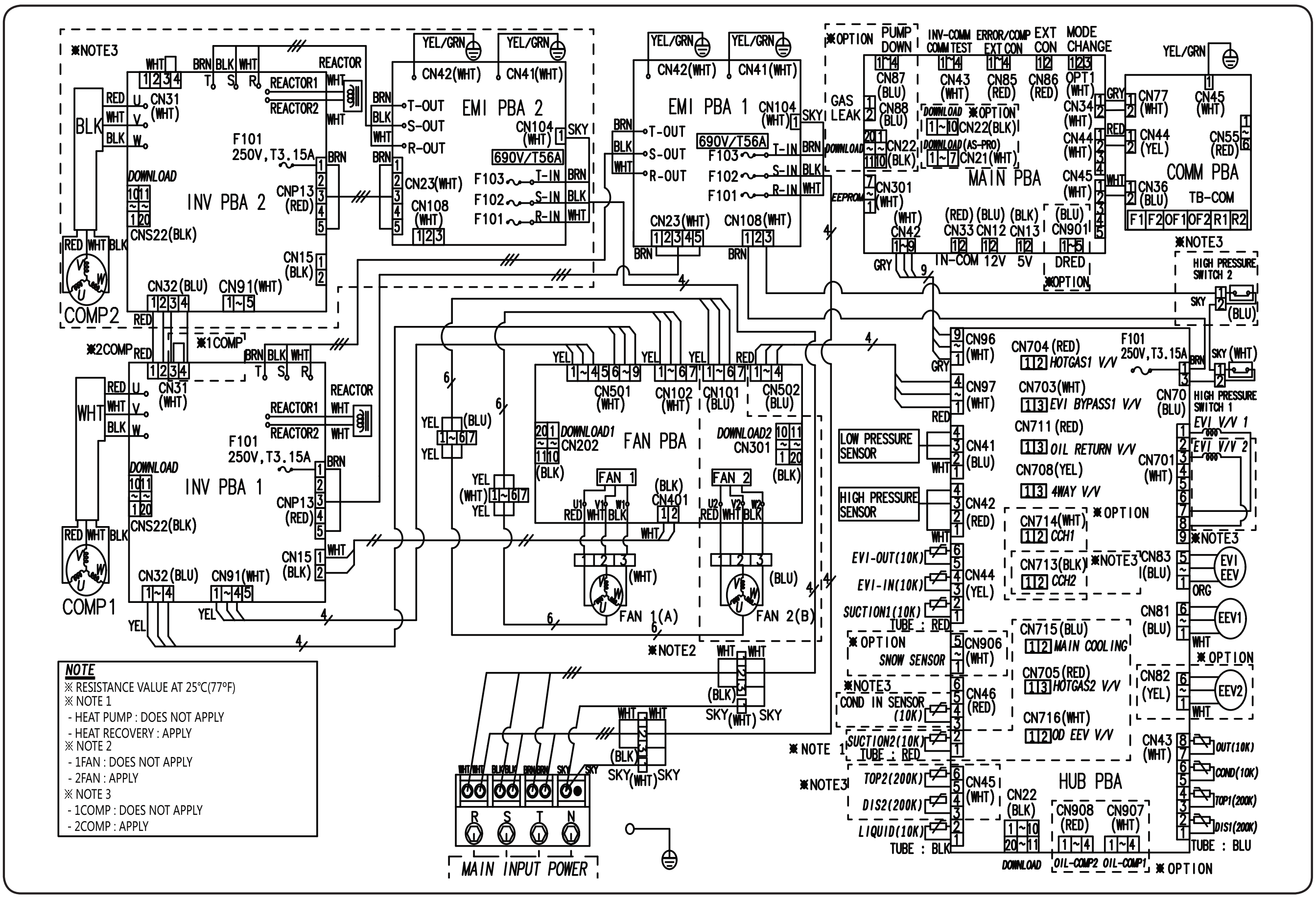
NOTE

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

6. Electrical Wiring Diagrams

Outdoor unit

- 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)	SUCTION1(10K)	Thermistor (Suction Temp.1_10Kohm)	4WAY V/V	Solenoid valve (4 Way valve)
MAIN PBA	Printed circuit board (main)	SUCTION2(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 (Compressor2)
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 (Compressor Top 1_200Kohm)	690V/T40A	FUSE (EMI PBA)
EVI V/V1	Solenode valve (EVI1)	TOP2(200K)	Thermistor (Compressor Top 2_200Kohm)	MODE CHANGE	Connector (Remote switching cool/heat selector)
EVI V/V 2	Solenode 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)

NOTE

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

7. Sound Data: summary

Premium Compact

Capacity		Model	Sound Pressure dB(A)		Sound Power dB(A)
HP	kW		Cooling	Heating	
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 dB(A)
HP	kW		Cooling	Heating	
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 Level
  - 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 = 20μPa
- Sound Power Level
  - 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

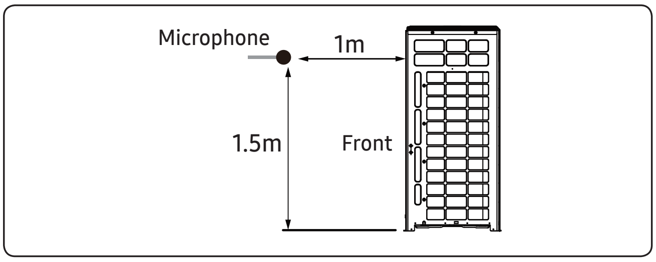
Capacity		Model	Sound Pressure dB(A)		Sound Power dB(A)
HP	kW		Cooling	Heating	
8	22.40	AM080JXVAGH/EU	57	59	77
10	28.00	AM100JXVAGH/EU	58	60	79
12	33.60	AM120JXVAGH/EU	62	64	81
14	39.20	AM140KXVAGH/EU	61	63	81
16	44.80	AM160KXVAGH/EU	63	65	83
18	50.40	AM180KXVAGH/EU	64	66	84
20	56.00	AM200KXVAGH/EU	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 Level
  - 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 = 20µPa
- Sound Power Level
  - 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

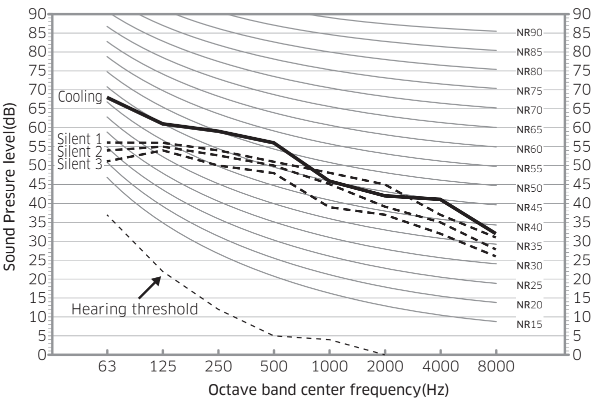


Unit: dB(A)

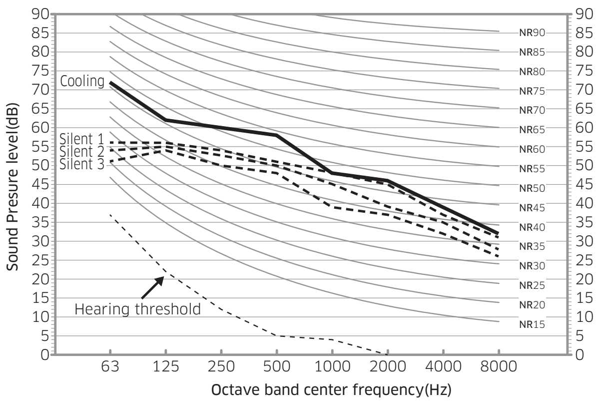
Model	Cooling	Silent1	Silent2	Silent3
AM080JXVHGH/EU	57	55	52	49
AM100JXVHGH/EU	58	55	52	49
AM120JXVHGH/EU	62	55	52	49
AM140KXVGGH/EU	61	57	55	49

- NR Curve

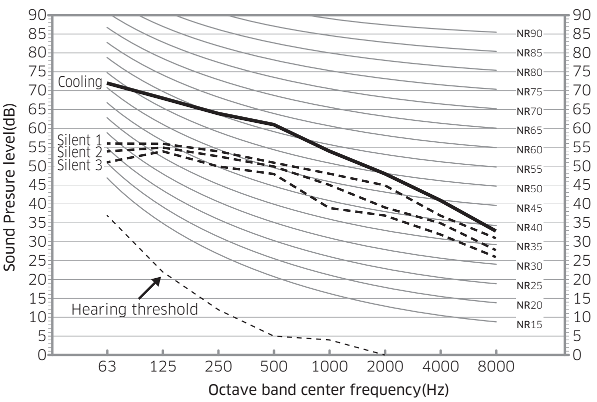
1) AM080JXVHGH/EU



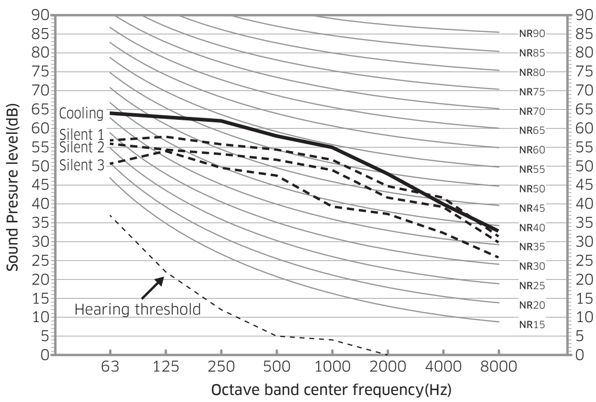
2) AM100JXVHGH/EU



3) AM120JXVHGH/EU



4) AM140KXVGGH/EU

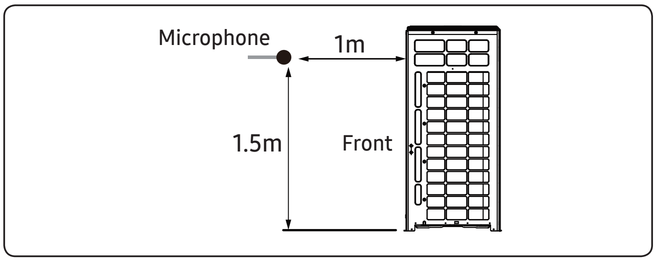


NOTE

- Specifications may be subject to change without prior notice.
  - 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 = 20μPa

7. Sound Data

Sound Pressure level

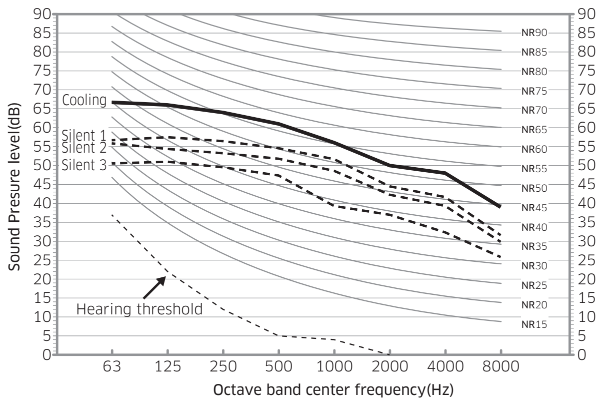


Unit: dB(A)

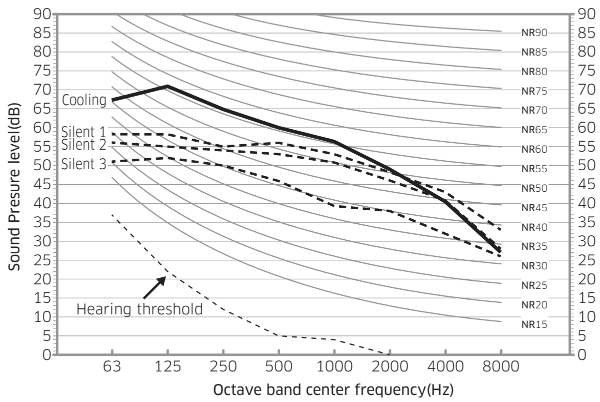
Model	Cooling	Silent1	Silent2	Silent3
AM160KXVGGH/EU	63	57	55	49
AM180KXVGGH/EU	65	59	56	49
AM200KXVGGH/EU	65	59	56	49
AM220KXVGGH/EU	65	59	56	49

- NR Curve

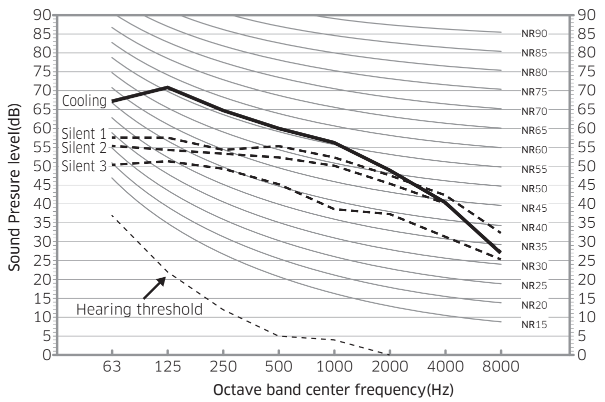
1) AM160KXVGGH/EU



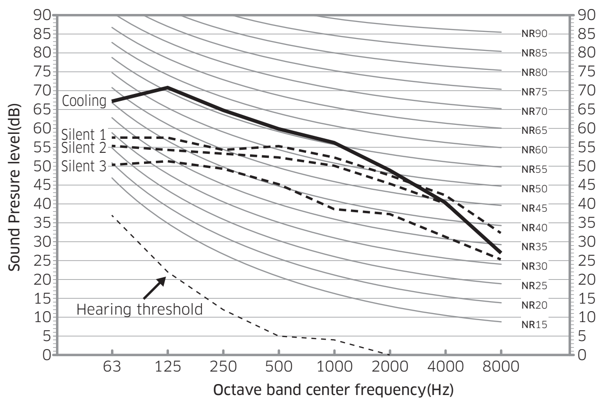
2) AM180KXVGGH/EU



3) AM200KXVGGH/EU



4) AM220KXVGGH/EU

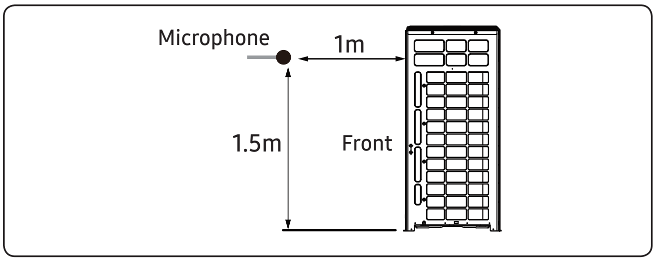


NOTE

- Specifications may be subject to change without prior notice.
  - 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 = 20μPa

7. Sound Data

Sound Pressure level

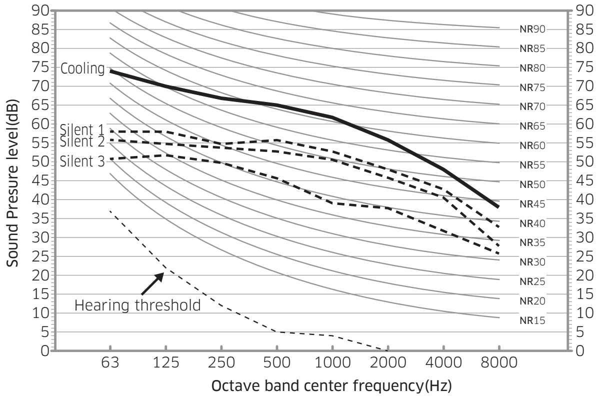


Unit: dB(A)

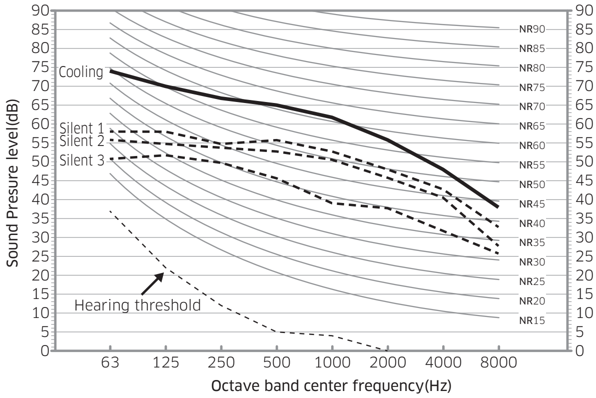
Model	Cooling	Silent1	Silent2	Silent3
AM240KXVGGH/EU	69	59	56	49
AM260KXVGGH/EU	69	59	56	49
AM280KXVGGH/EU	69	64	56	49
AM300KXVAGH/EU	69	64	56	49

- NR Curve

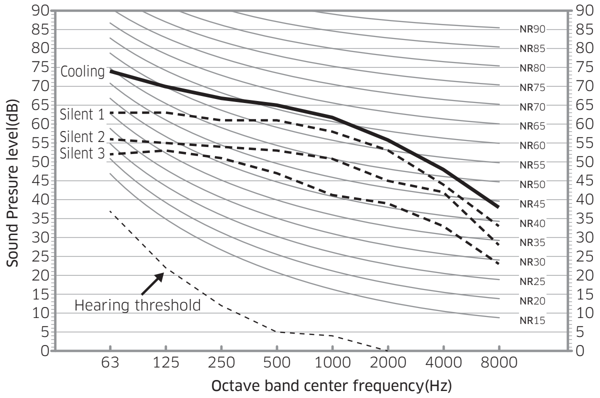
1) AM240KXVGGH/EU



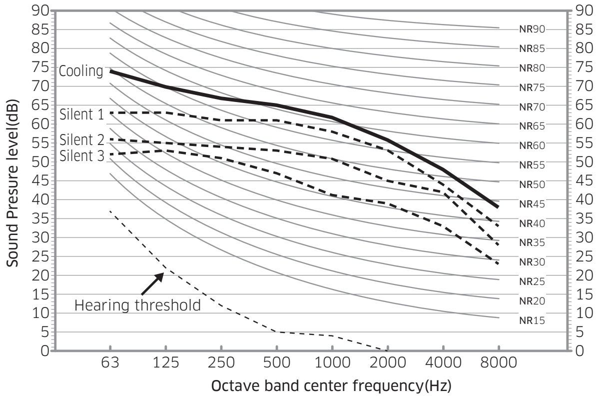
2) AM260KXVGGH/EU



3) AM280KXVGGH/EU



4) AM300KXVAGH/EU

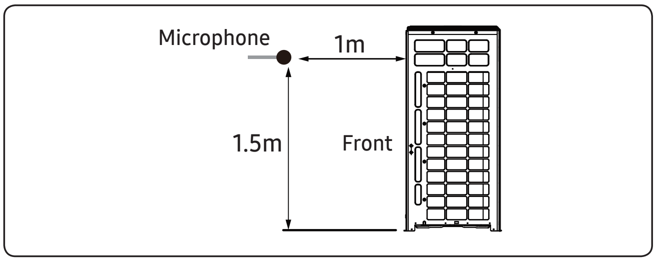


NOTE

- Specifications may be subject to change without prior notice.
  - 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 = 20μPa

7. Sound level: Pressure

Sound Pressure level

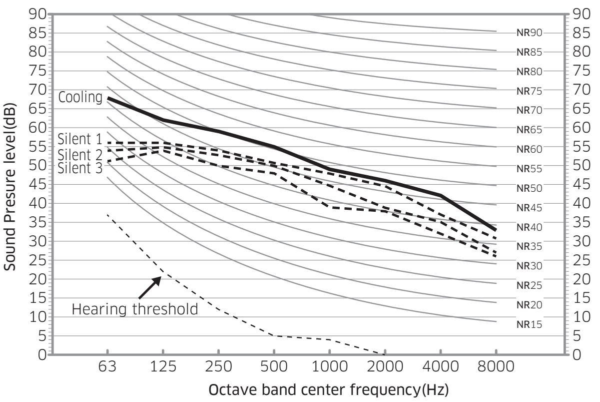


Unit: dB(A)

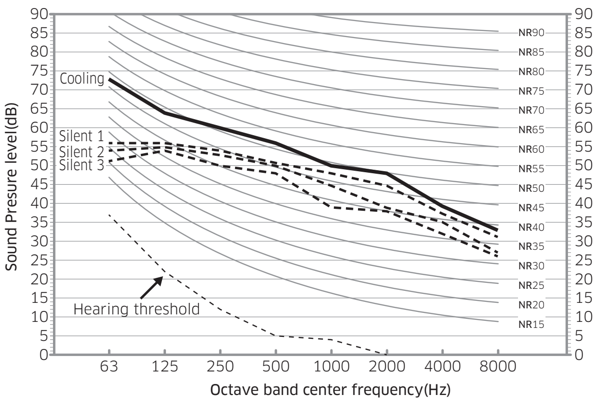
Model	Cooling	Silent1	Silent2	Silent3
AM080JXVAGH/EU	57	55	52	49
AM100JXVAGH/EU	58	55	52	49
AM120JXVAGH/EU	62	55	52	49
AM140KXVAGH/EU	61	57	55	49

- NR Curve

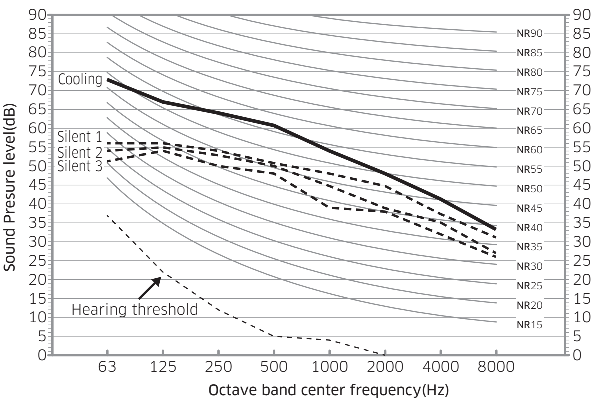
1) AM080JXVAGH/EU



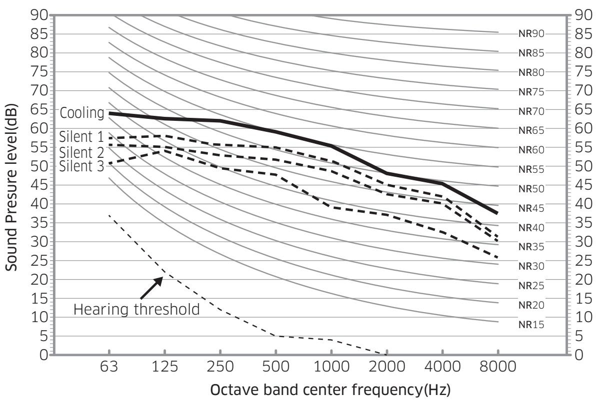
2) AM100JXVAGH/EU



3) AM120JXVAGH/EU



4) AM140KXVAGH/EU

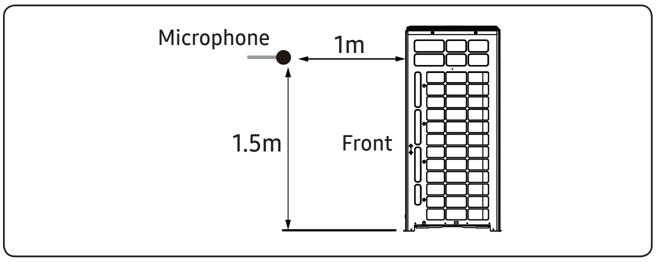


NOTE

- Specifications may be subject to change without prior notice
  - 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 = 20µPa

7. Sound Data

Sound Pressure level

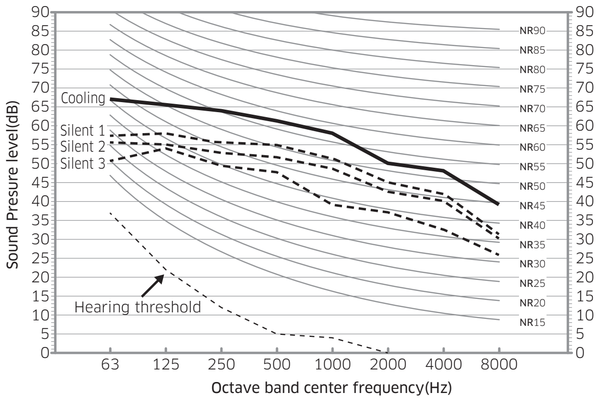


Unit: dB(A)

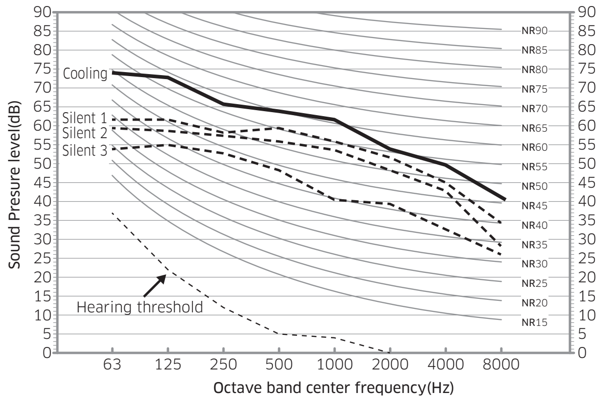
Model	Cooling	Silent1	Silent2	Silent3
AM160KXVAGH/EU	63	57	55	49
AM180KXVAGH/EU	64	59	56	49
AM200KXVAGH/EU	65	59	56	49
AM220KXVAGH/EU	65	59	56	49

- NR Curve

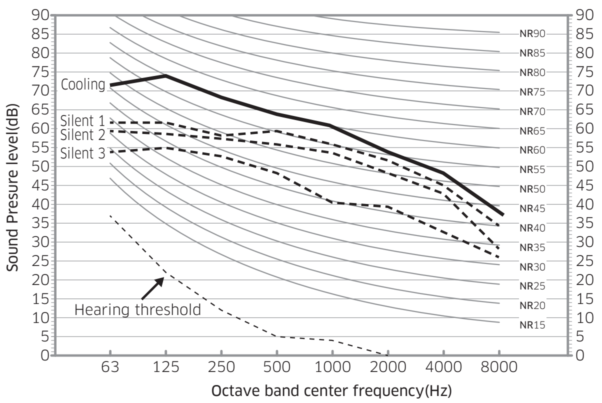
1) AM160KXVAGH/EU



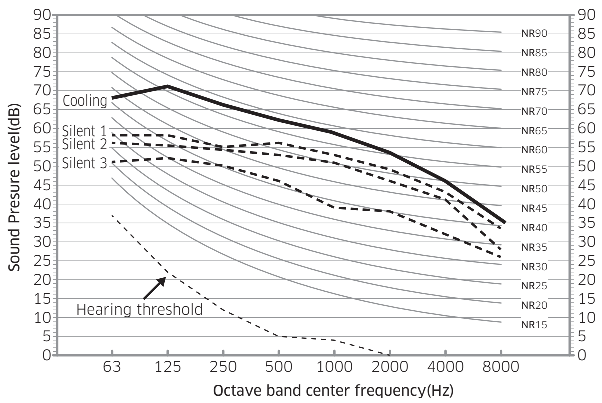
2) AM180KXVAGH/EU



3) AM200KXVAGH/EU



4) AM220KXVAGH/EU

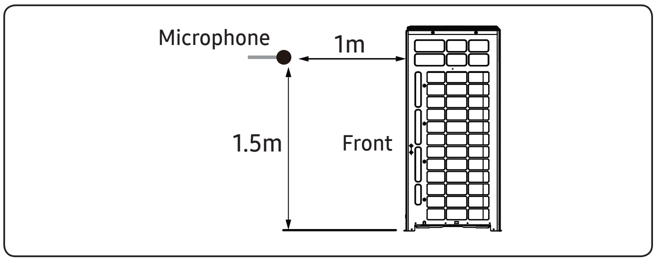


NOTE

- Specifications may be subject to change without prior notice.
  - 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 = 20μPa

7. Sound Data

Sound Pressure level

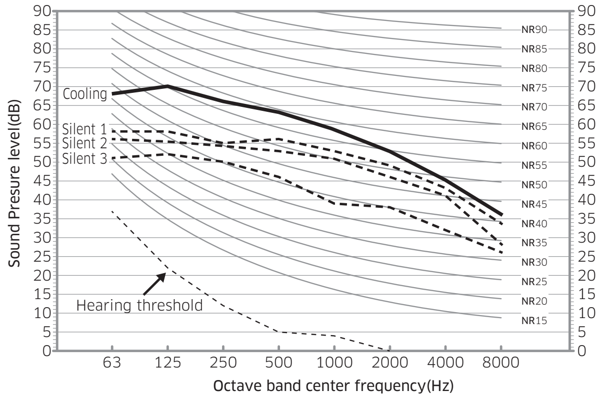


Unit: dB(A)

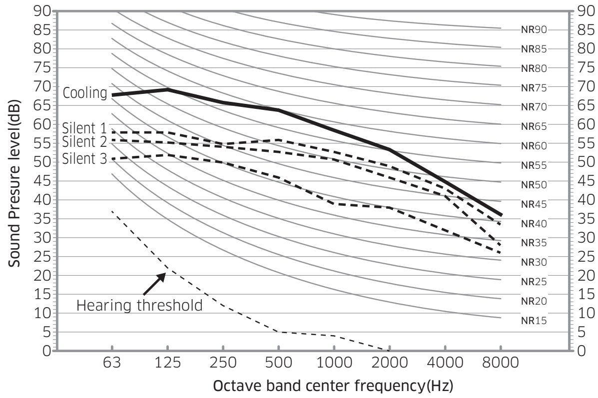
Model	Cooling	Silent1	Silent2	Silent3
AM240KXVAGH/EU	66	59	56	49
AM260KXVAGH/EU	66	59	56	49
AM280KXVAGH/EU	69	64	56	49
AM300KXVAGH/EU	69	64	56	49

- NR Curve

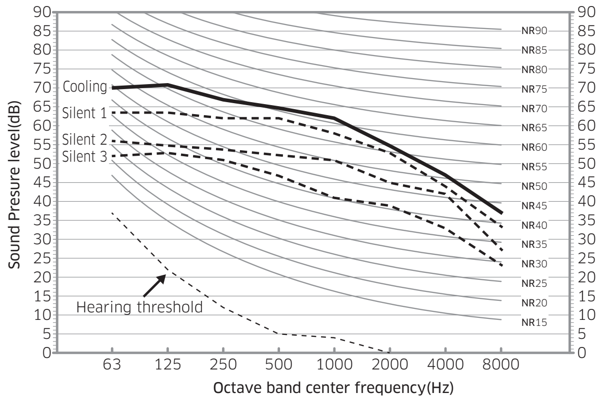
1) AM240KXVAGH/EU



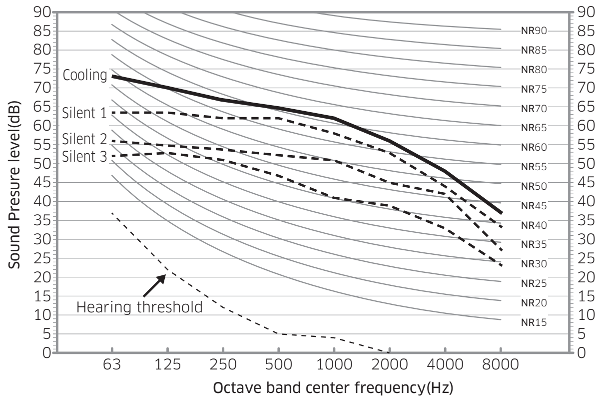
2) AM260KXVAGH/EU



3) AM280KXVAGH/EU



4) AM300KXVAGH/EU



NOTE

- Specifications may be subject to change without prior notice.
  - 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 = 20µPa

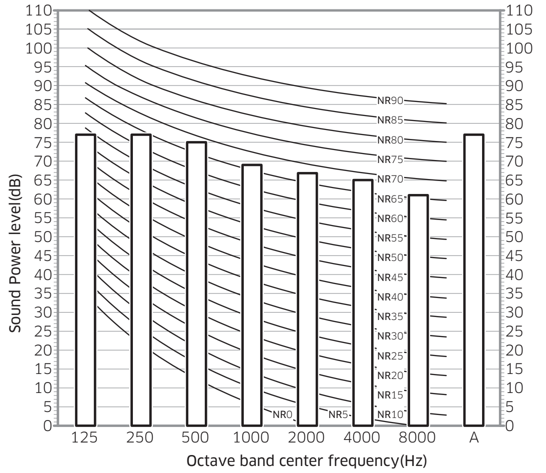
7. Sound Data

Sound Power level

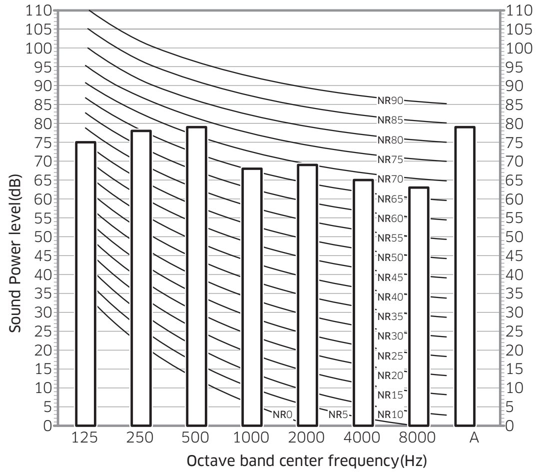
Unit: dB(A)

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

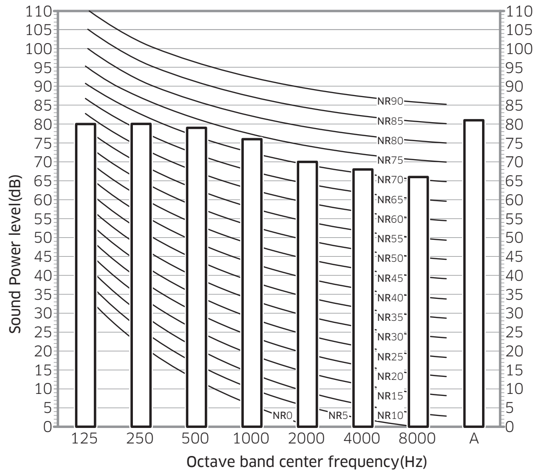
1) AM080JXVHGH/EU



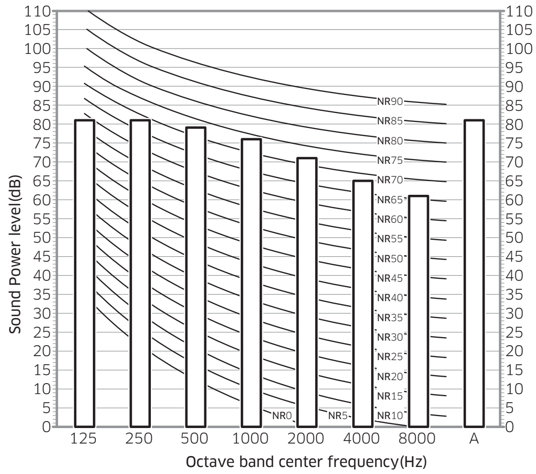
2) AM100JXVHGH/EU



3) AM120JXVHGH/EU



4) AM140KXVGGH/EU



NOTE

- 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.

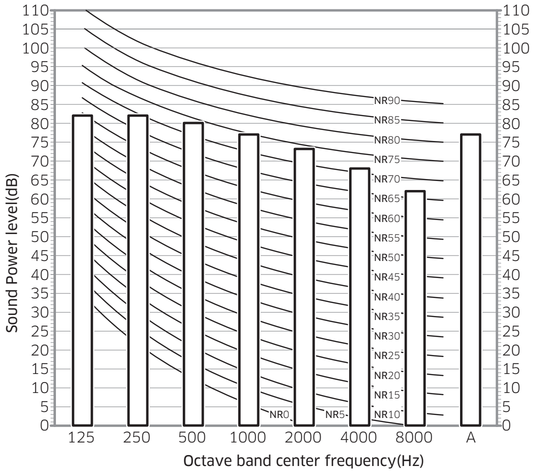
7. Sound Data

Sound Power level

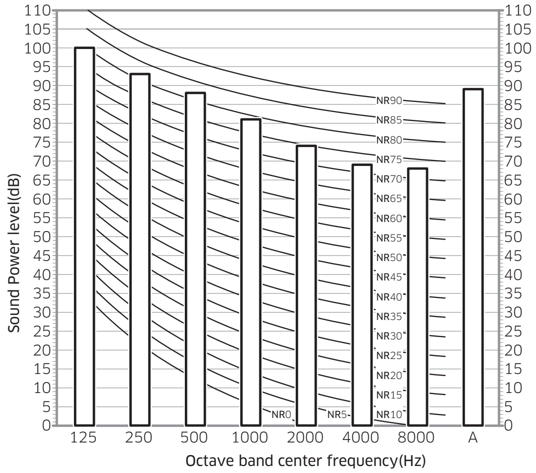
Unit: dB(A)

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

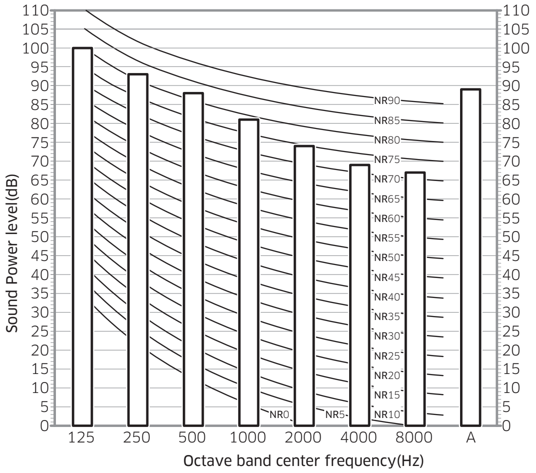
1) AM160KXVGGH/EU



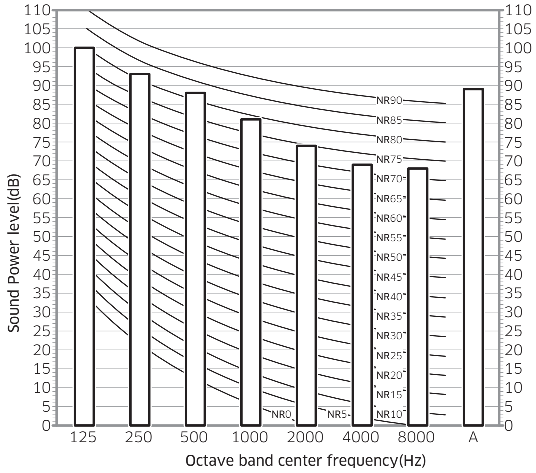
2) AM180KXVGGH/EU



3) AM200KXVGGH/EU



4) AM220KXVGGH/EU



NOTE

- 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.

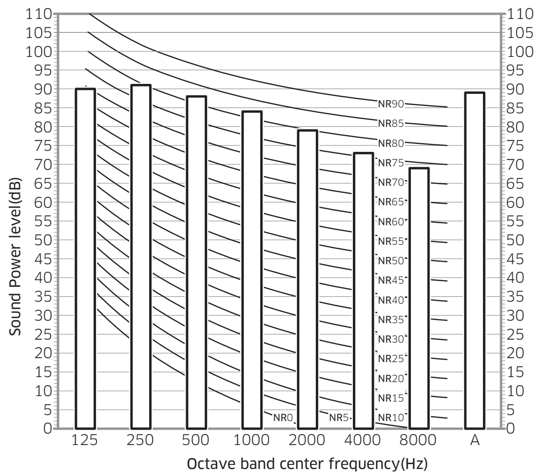
7. Sound Data

Sound Power level

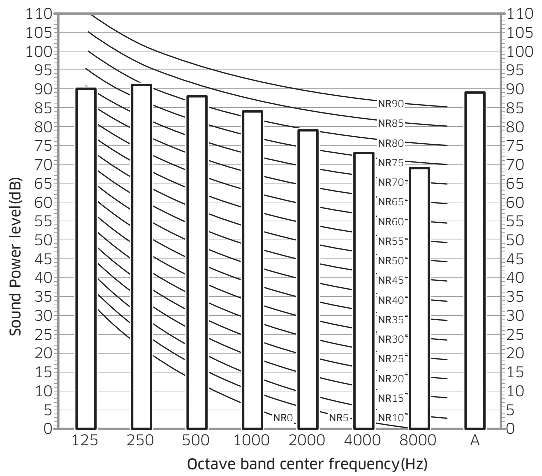
Unit: dB(A)

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

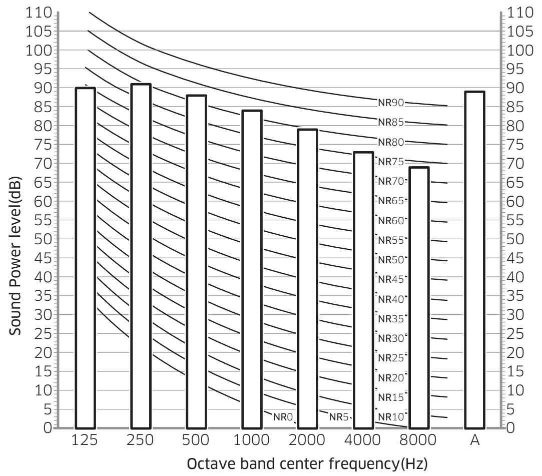
1) AM240KXVGGH/EU



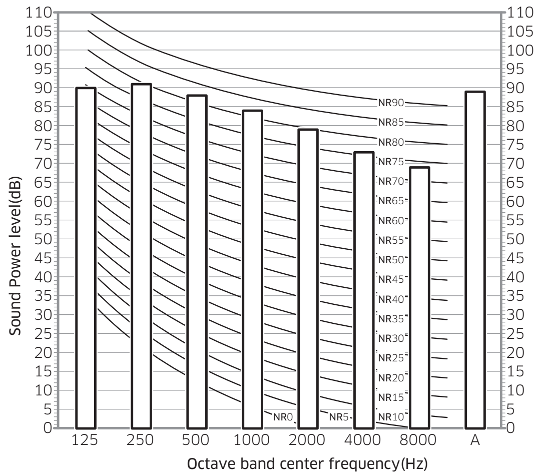
2) AM260KXVGGH/EU



3) AM280KXVGGH/EU



4) AM300KXVAGH/EU



NOTE

- 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.

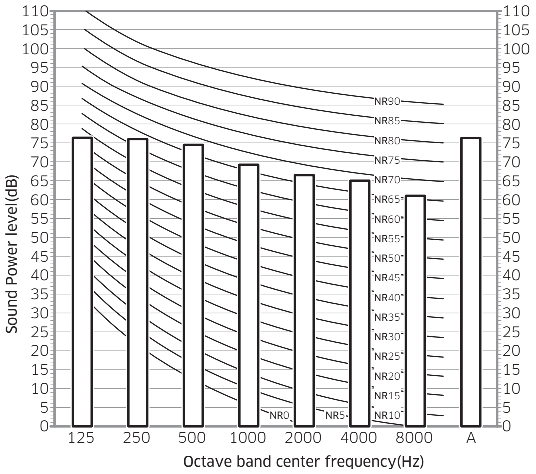
7. Sound Data

Sound Power level

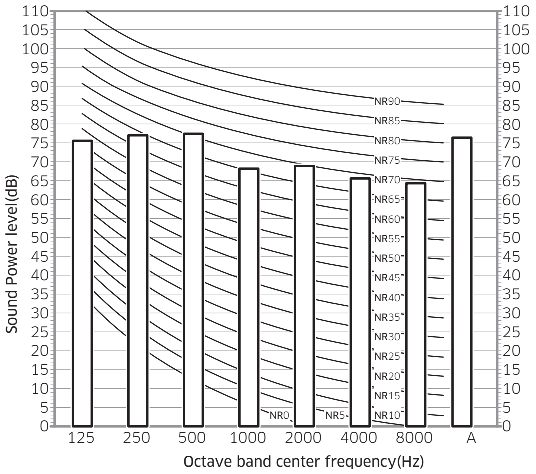
Unit: dB(A)

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

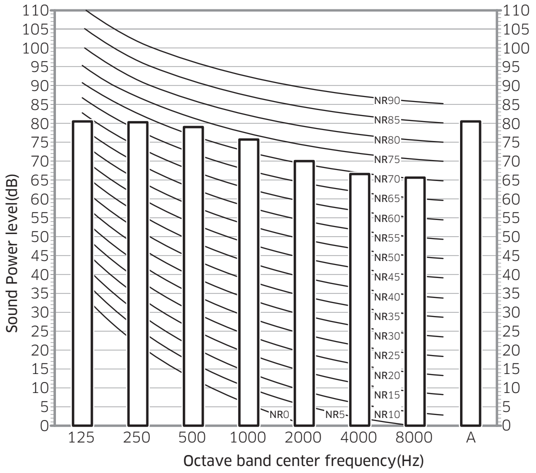
1) AM080JXVAGH/EU



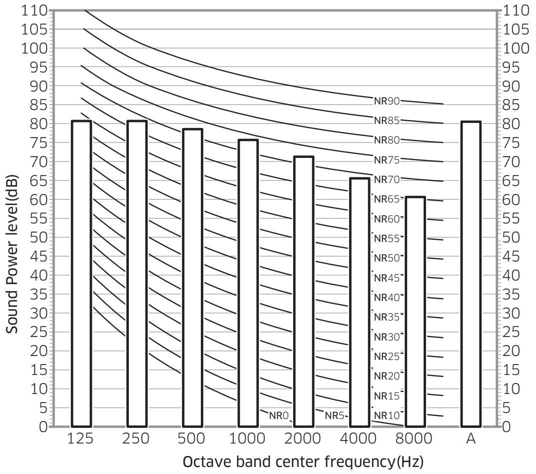
2) AM100JXVAGH/EU



3) AM120JXVAGH/EU



4) AM140KXVAGH/EU



NOTE

- 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.

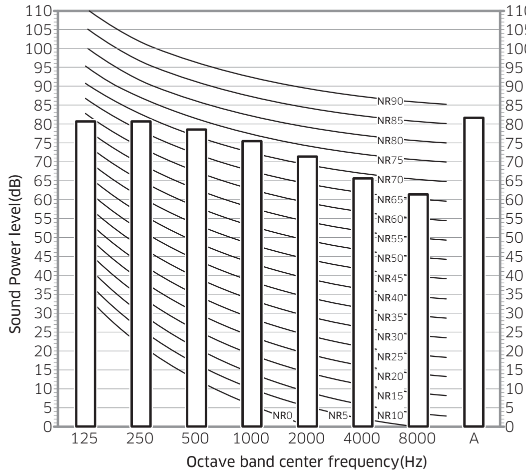
7. Sound Data

Sound Power level

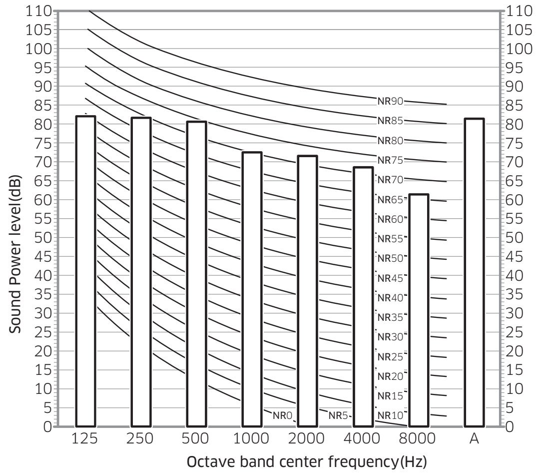
Unit: dB(A)

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

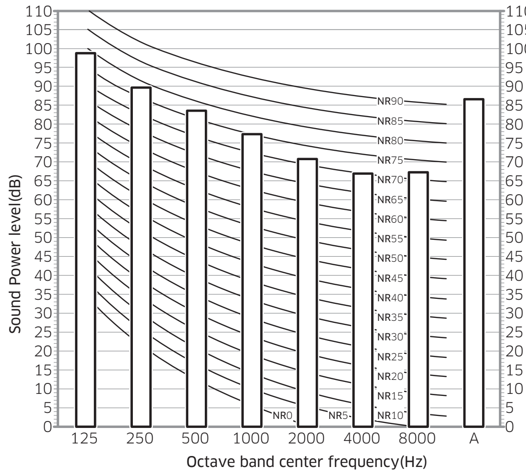
1) AM160KXVAGH/EU



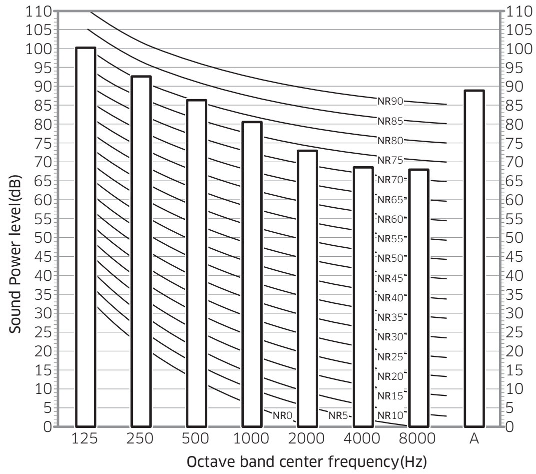
2) AM180KXVAGH/EU



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.

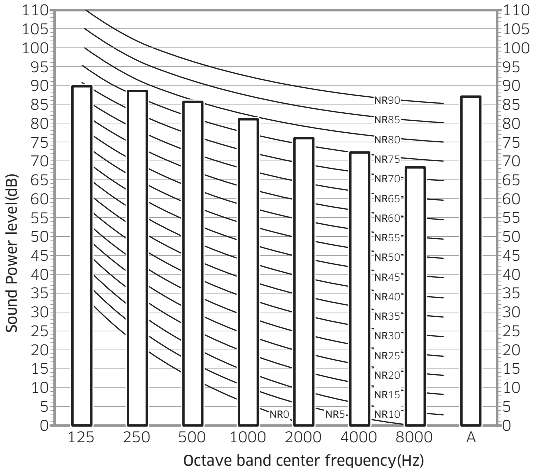
7. Sound Data

Sound Power level

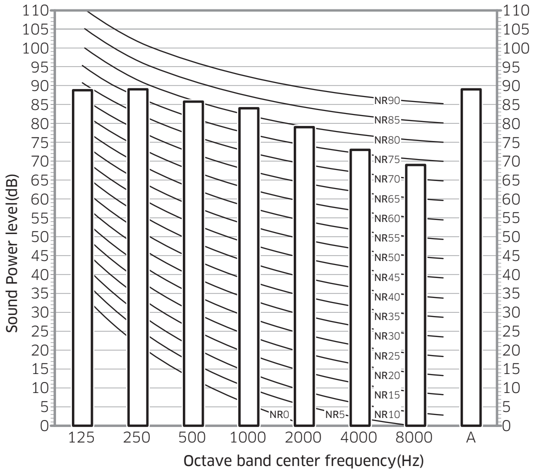
Unit: dB(A)

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

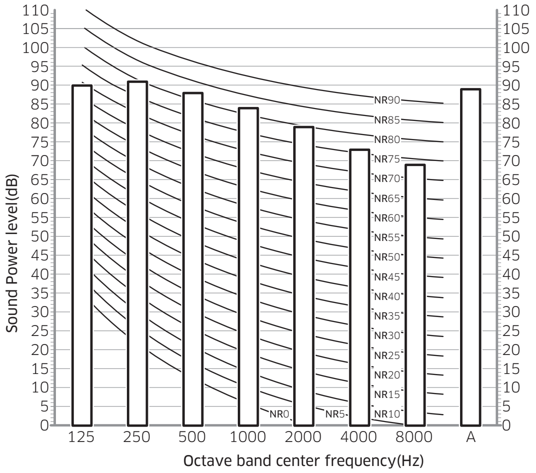
1) AM240KXVAGH/EU



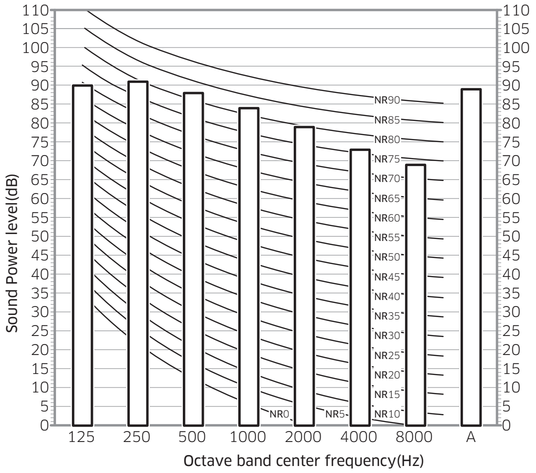
2) AM260KXVAGH/EU



3) AM280KXVAGH/EU



4) AM300KXVAGH/EU

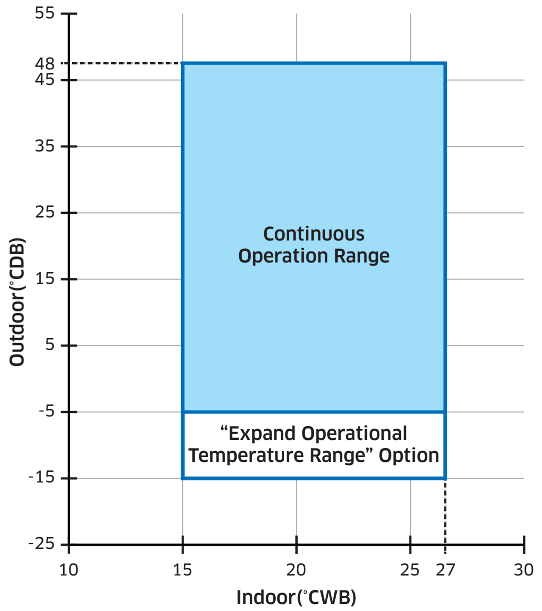


NOTE

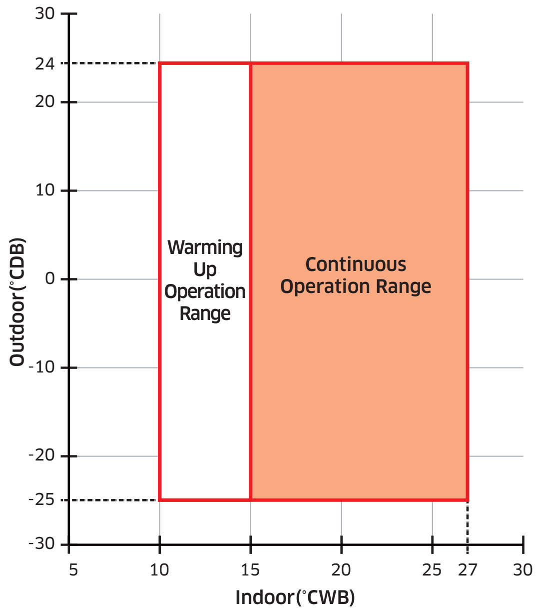
- Specifications may be subject to change without prior notice.
  - Sound power level is an absolute value that a sound source generates.
  - dBA = A-weighted sound power level.
  - Reference power : 1pW.
  - Measured according to ISO 3741.

8. Operation Range

Cooling



Heating



(1) The operating range is shown in these figures

(2) The assumed installation condtions 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 continus opearting is impossible due to a protection control

8. Operation Range

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 :

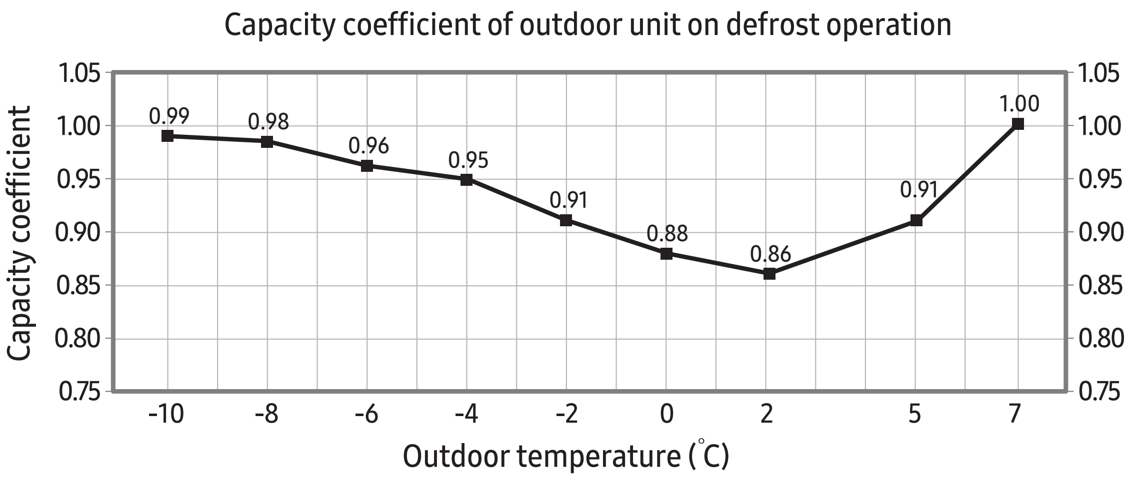
Formula : A = B × C

Integrated heating capacity = A

Value given in table of capacity characteristics = B

Integrating correction factor for frost accumulation (kW) = C

Outdoor temperature (°C, 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 °C or less.

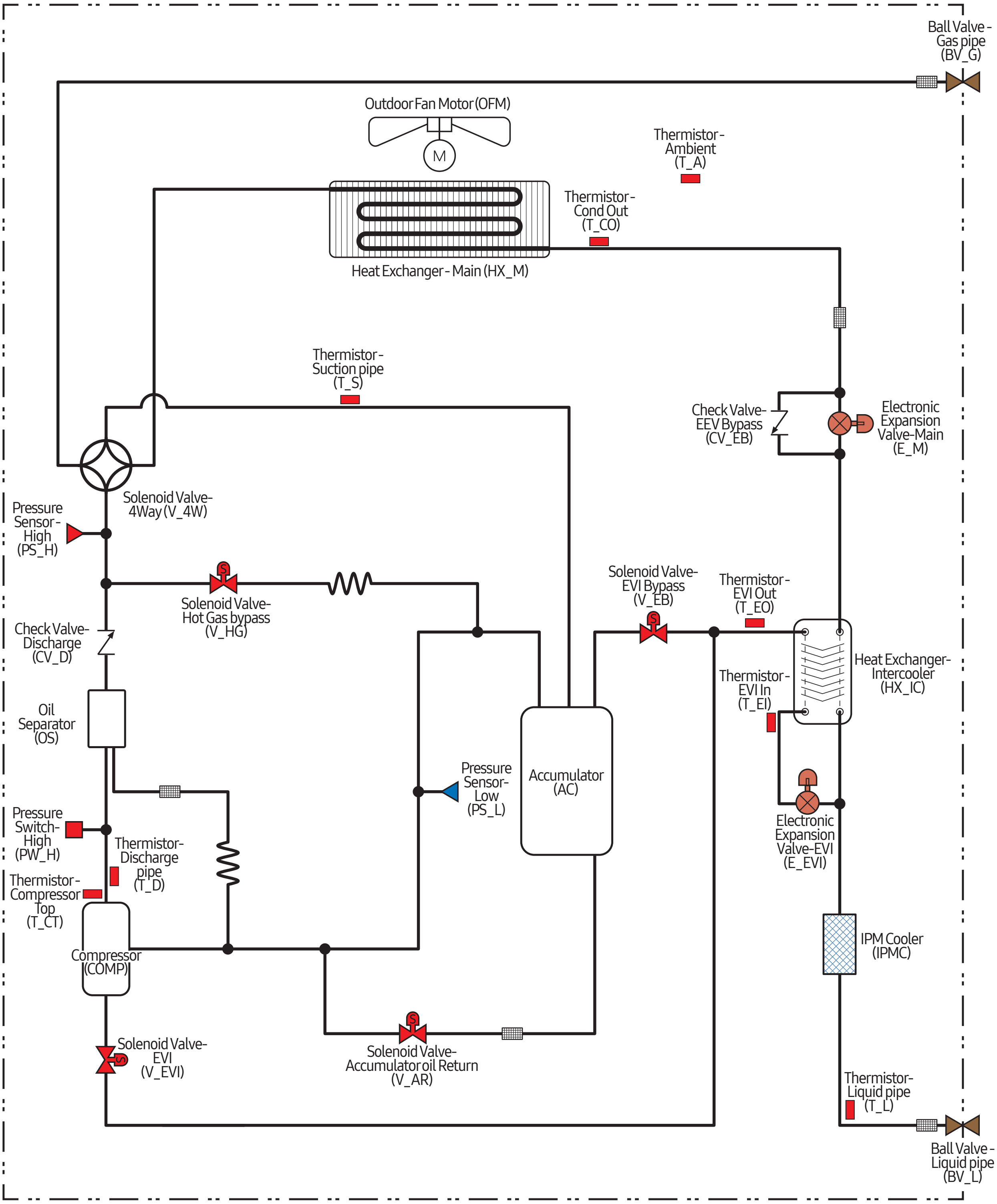
Since the outdoor temperature over 0 °C, the heating performance is the same before and after applying intelligence defrost operation

In outdoor conditions below 0 °C, frost conditions reflect the actual entering the defrost opration because heating performance is improved

9. Piping Diagram

Outdoor unit

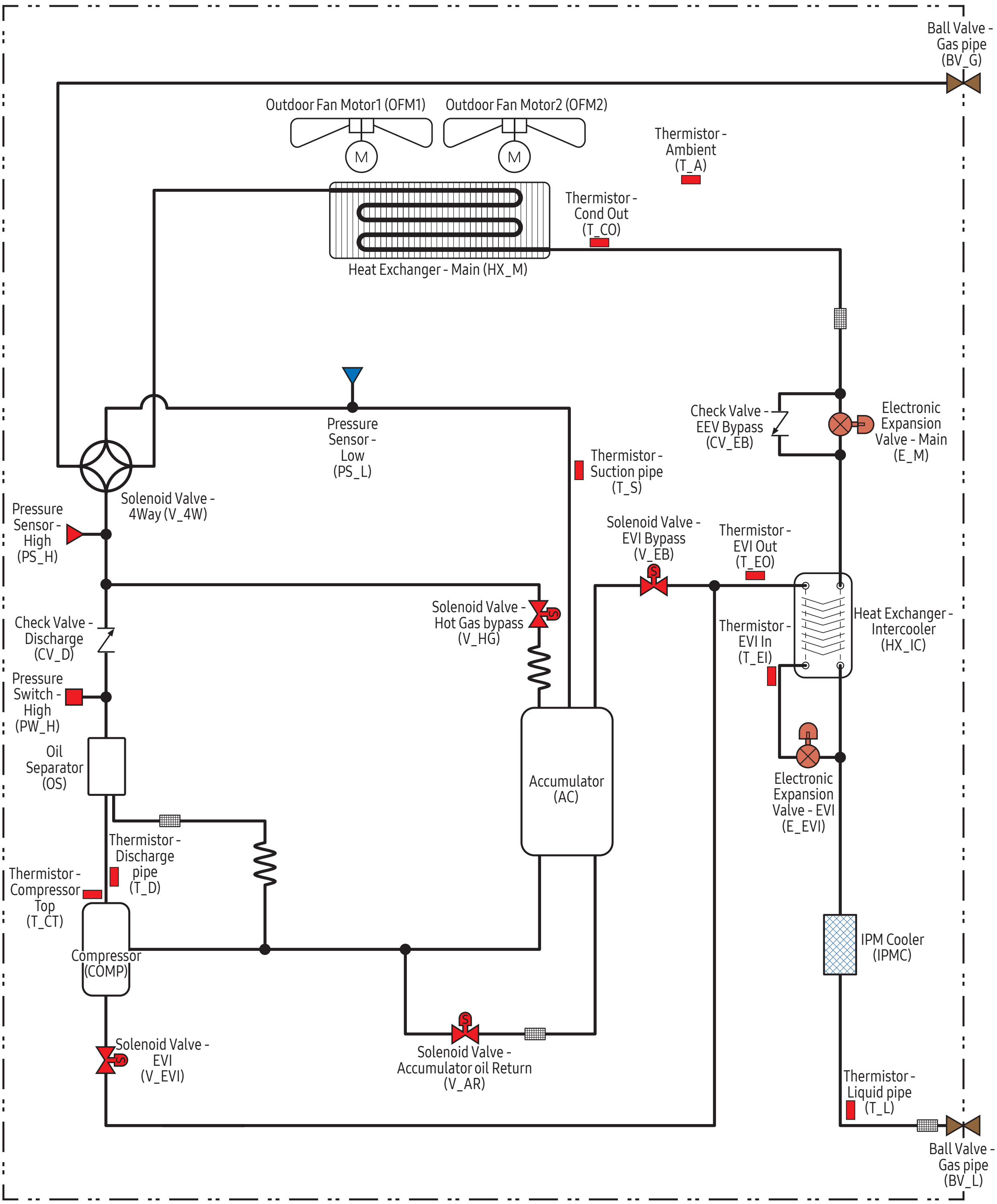
- AM080/100/120JXVHGH/EU, AM080/100/120JXVAGH/EU



9. Piping Diagram

Outdoor unit

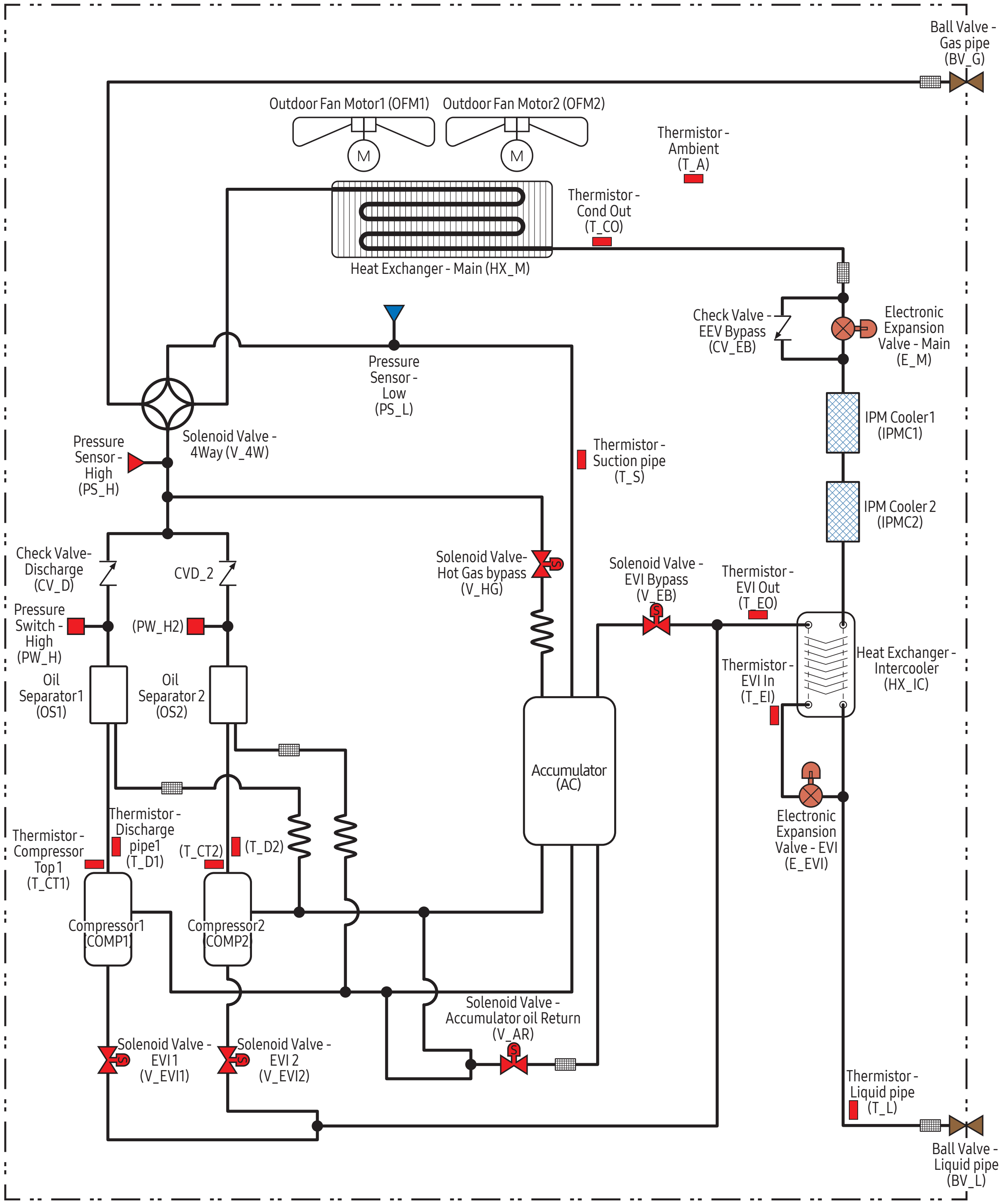
- AM140KXVGGH/EU, AM160KXVGGH/EU, AM140KXVAGH/EU, AM160KXVAGH/EU, AM180KXVAGH/EU



9. Piping Diagram

Outdoor unit

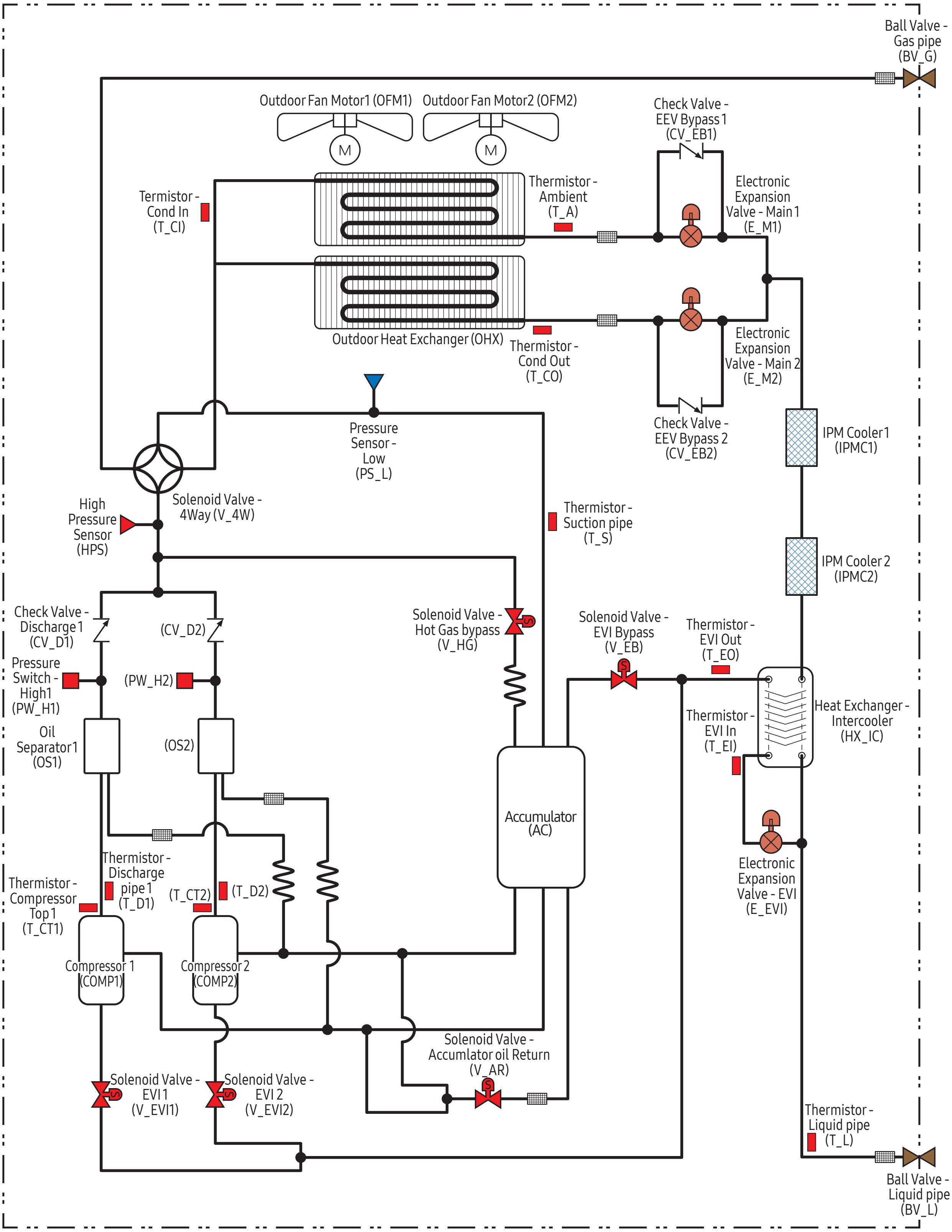
- AM180KXVGGH/EU, AM200KXVGGH/EU, AM220KXVGGH/EU, AM200KXVAGH/EU, AM220KXVAGH/EU



9. Piping Diagram

Outdoor unit

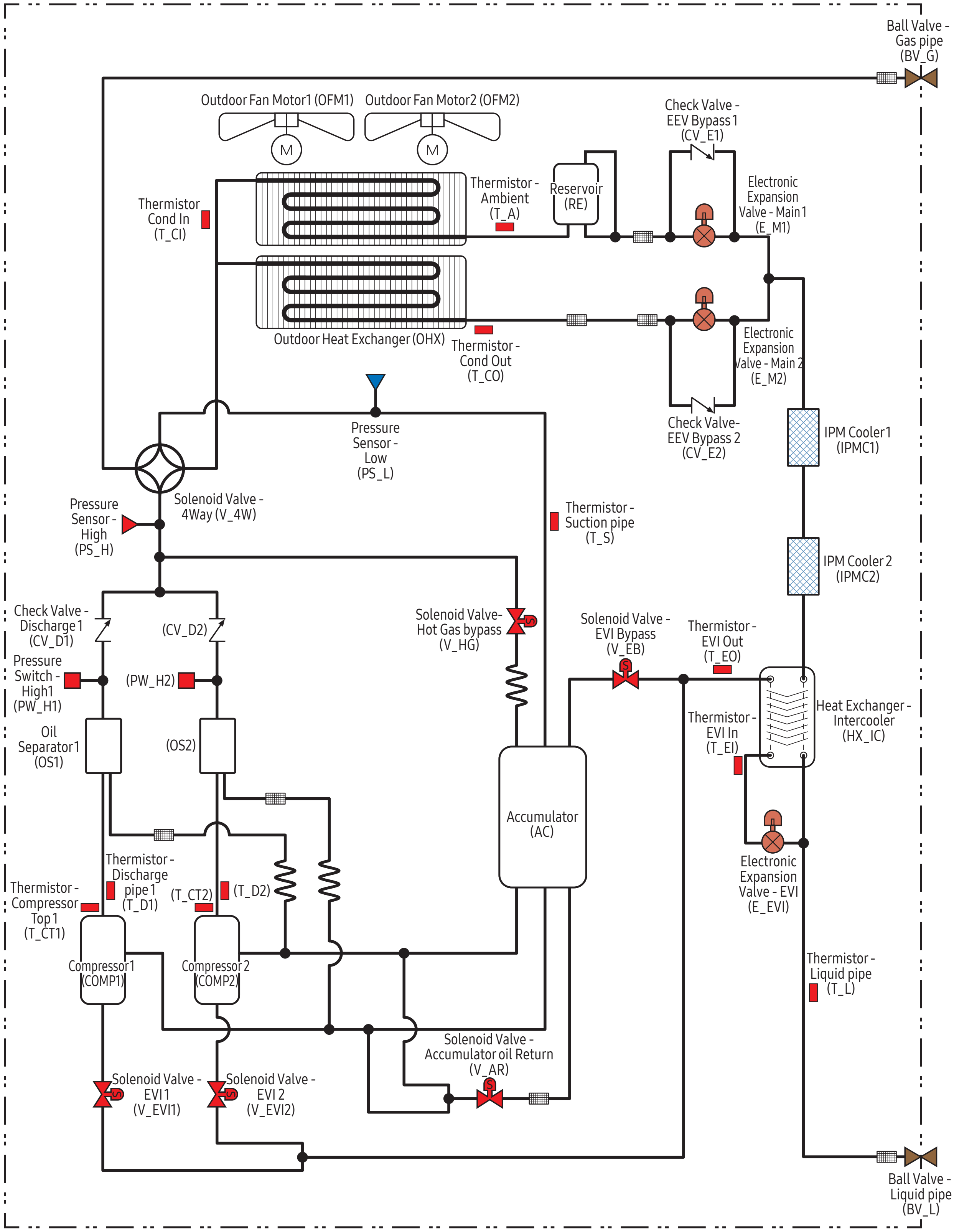
- AM240KXVAGH/EU, AM260KXVAGH/EU



9. Piping Diagram

Outdoor unit

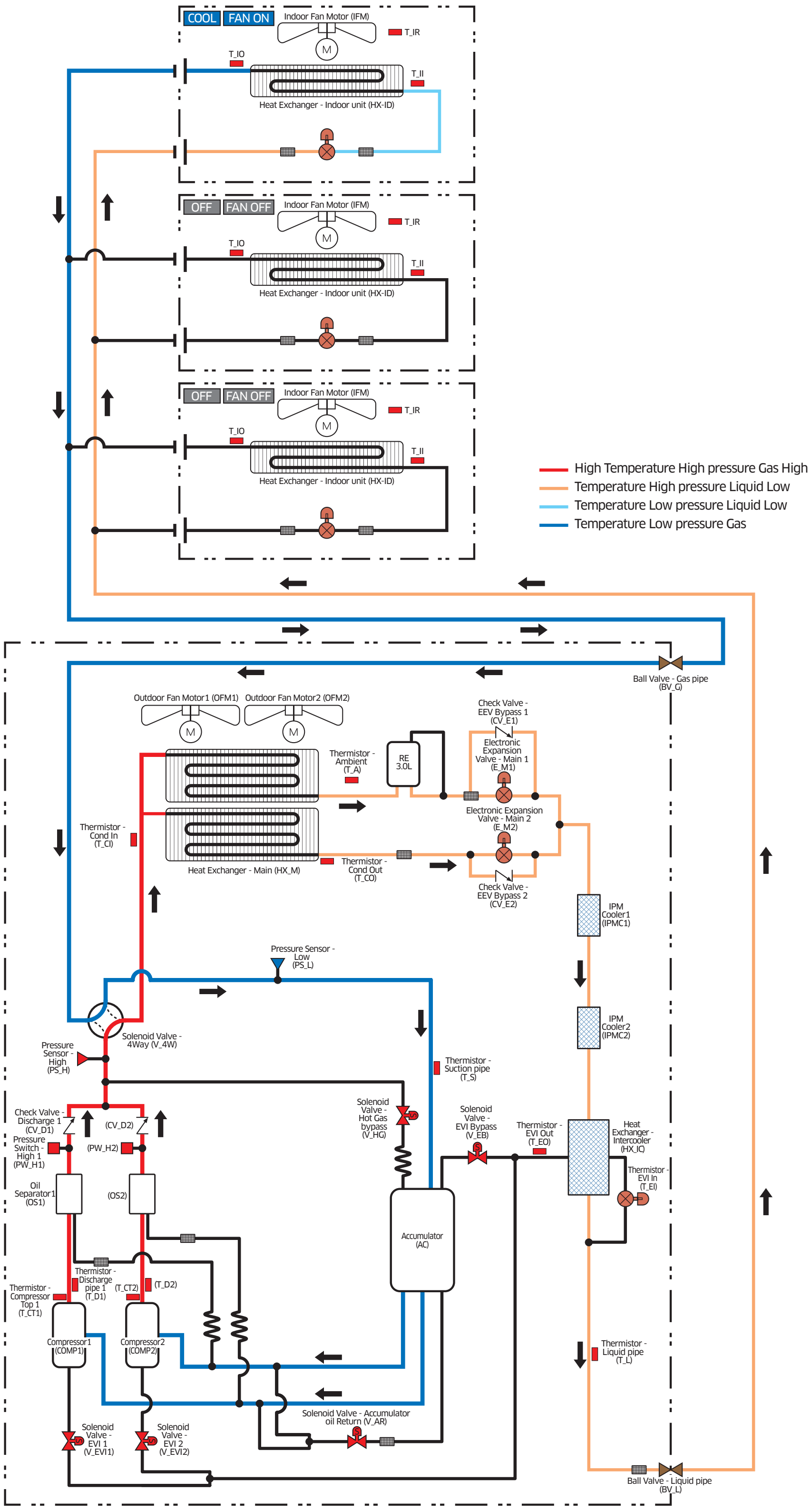
- AM240KXVGGH/EU, AM260KXVGGH/EU, AM280KXVGGH/EU, AM300KXVAGH/EU, AM280KXVAGH/EU



9. Piping Diagram

Cooling System

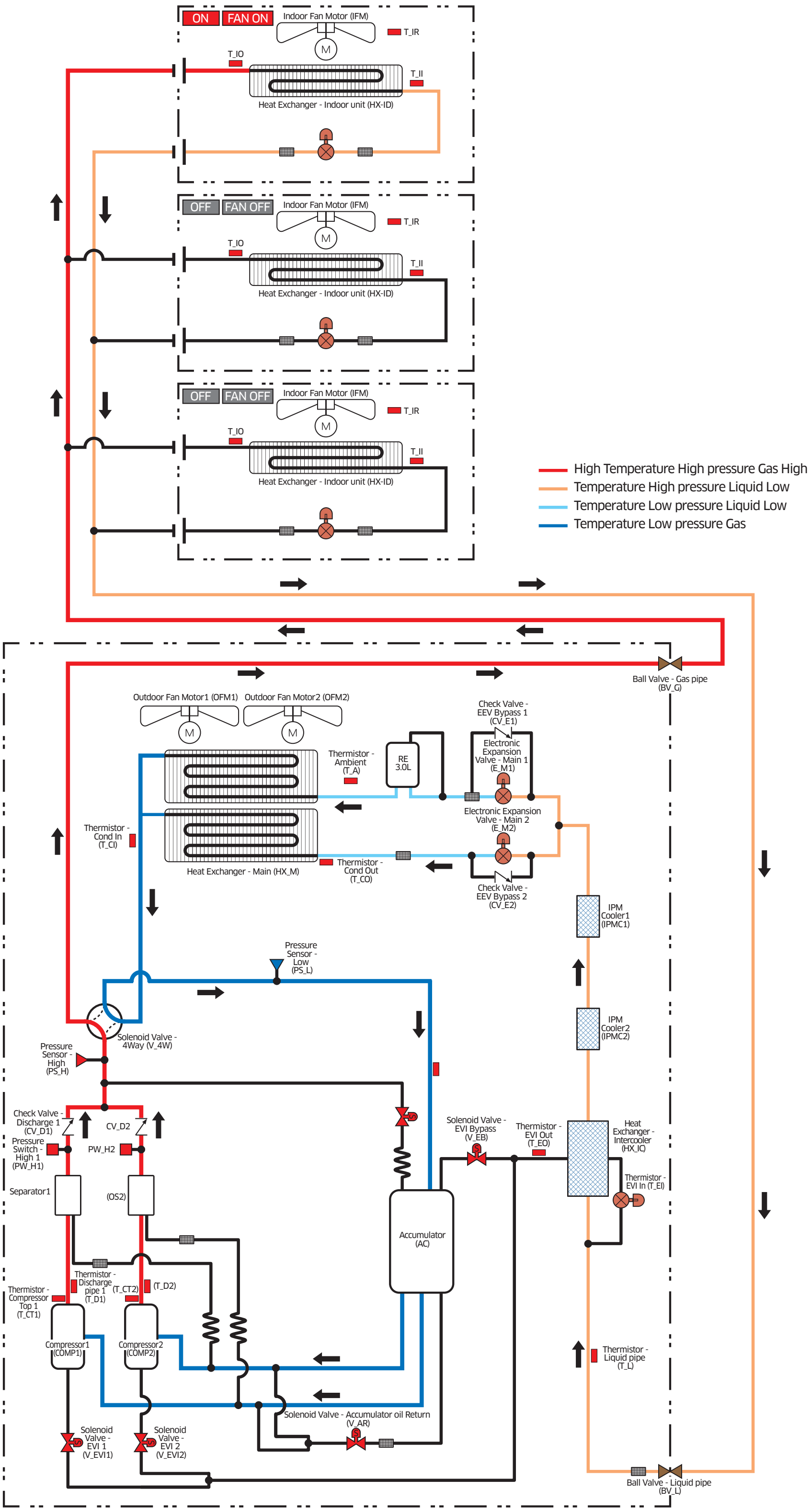
- AM300KXVAGH/EU With indoor units



9. Piping Diagram

Heating System

- AM300KXVAGH/EU With indoor units

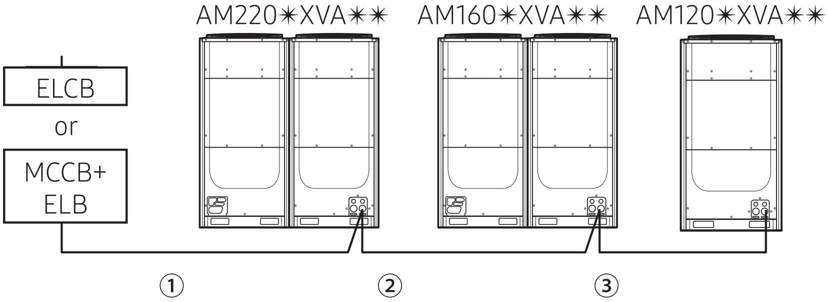


10. Installation

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✳✳



—①— AM500✳XVA✳✳ : 35 mm^2

—②— AM280✳XVA✳✳ : 16 mm^2

—③— AM120✳XVA✳✳ : 4 mm^2

NOTE

- This device is intended for the connection to a power supply system with a maximum permissible system impedance shown in the table (on the left page) 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		

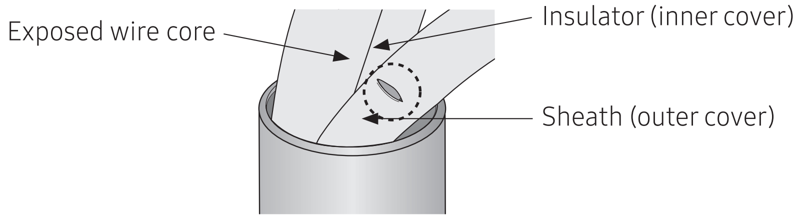
10. Installation

Electrical wiring work

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.

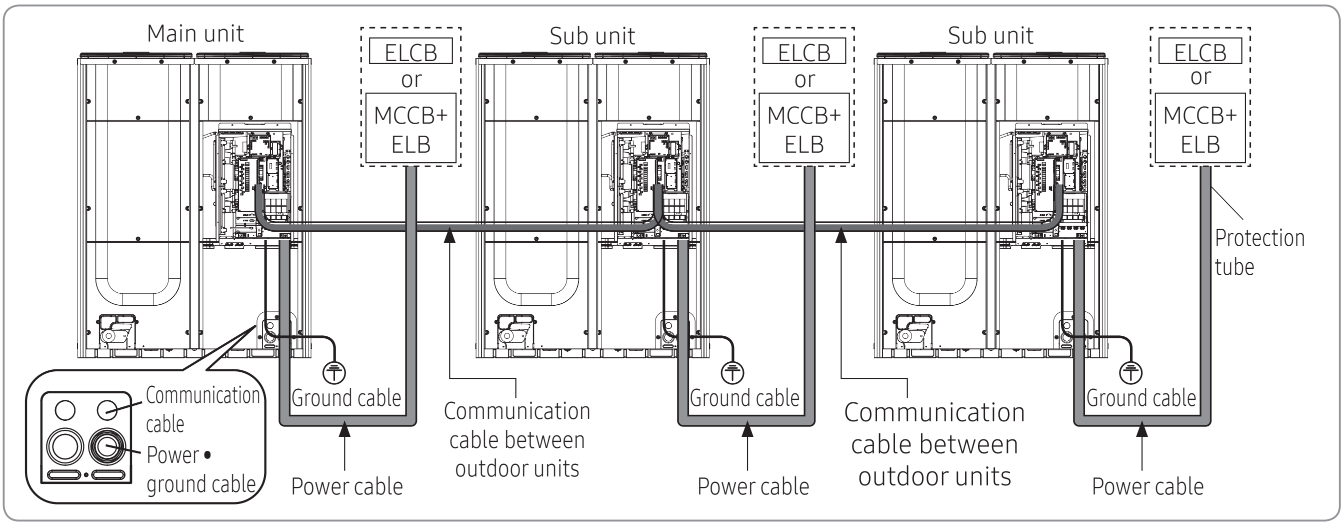


<The example of exposed core wire>

Electrical wiring work

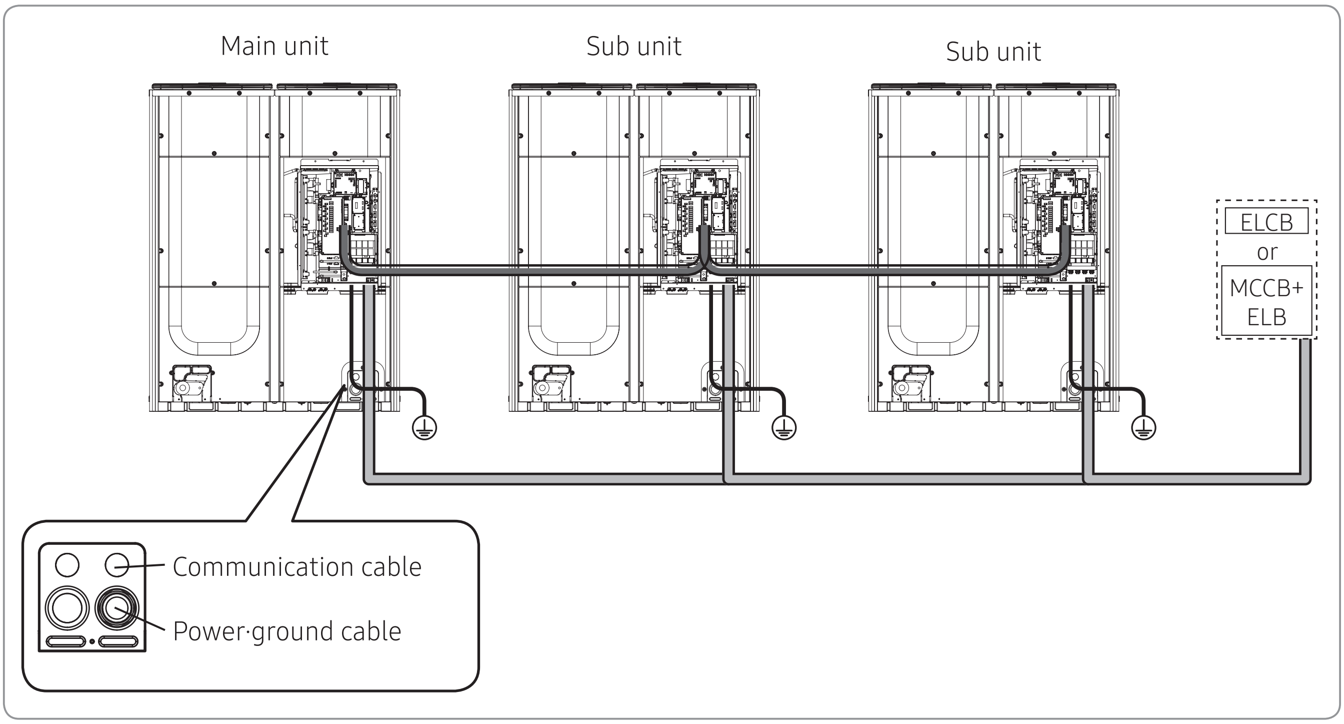
Power and communication cable configuration

- 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.



Electrical wiring work

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



Communication cable between outdoor units

Power cable

Protection tube

Power/ground cable

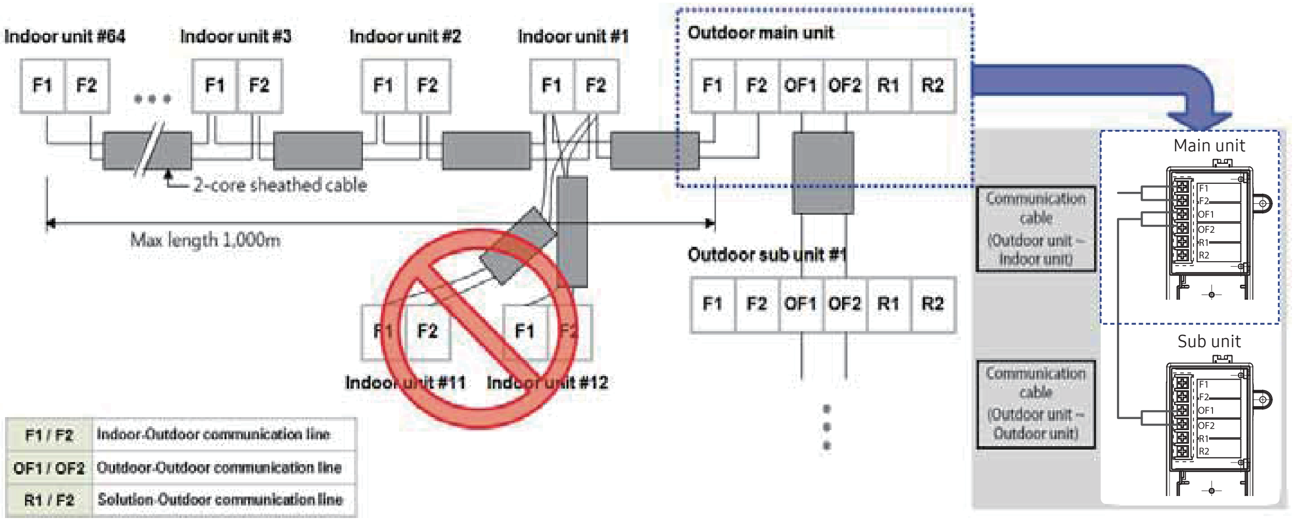
Specification of the protection tube

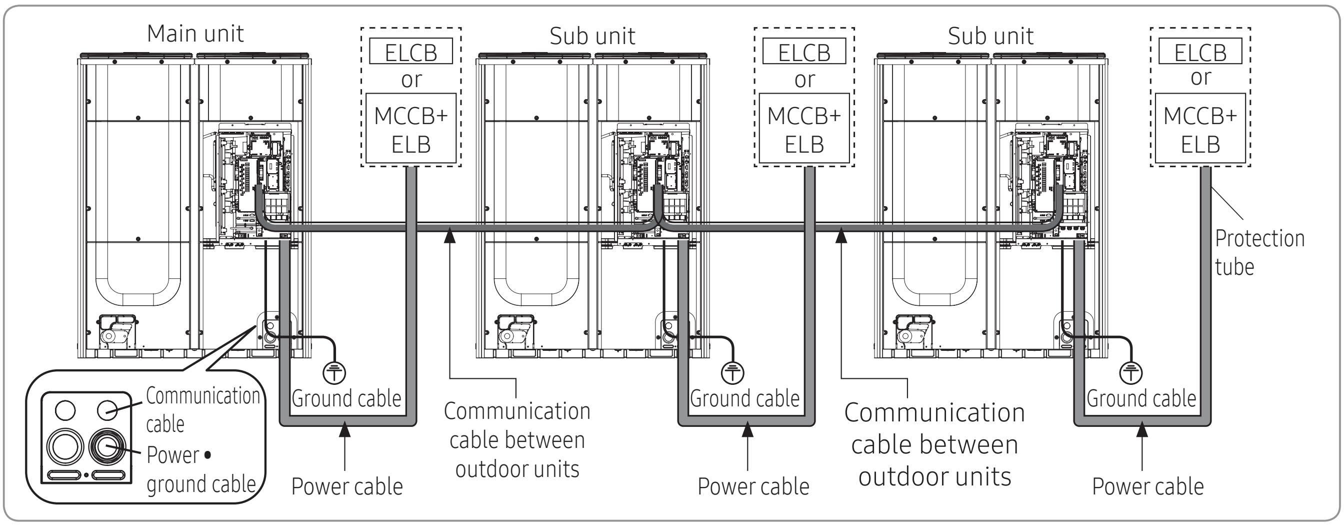
Name	Temper grade	Applicable conditions
Flexible PVC conduit	PVC	When the protection tube is installed indoor and not exposed to outside, because it is embedded in concrete structure
Class 1 flexible conduit	Galvanized steel sheet	When the protection tube is installed indoor but exposed to outside so 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

10. Installation

Specification of Cable and Connecting method

- For communication cable, 2-core sheathed vinyl cable should be used which satisfies nominal area of 0.75~1.25mm2 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 1000 m, 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 figure 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.





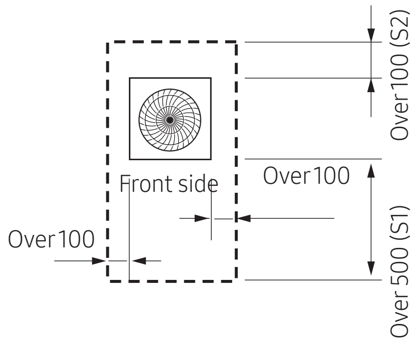
10. Installation

Space requirement for installation

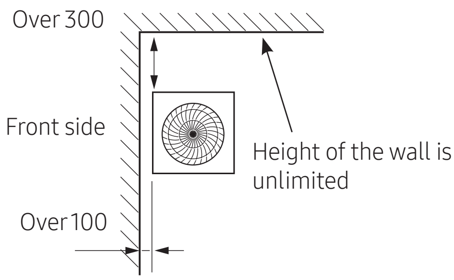
- ▶ Space requirement was decided based on following conditions; Cooling mode, outdoor temperature of 35 °C. Larger space is required if the outdoor temperature is higher than 35 °C or if the place is heated easily by quantity of solar radiation.
- ▶ When you secure installation space, consider path 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

(Unit : mm)

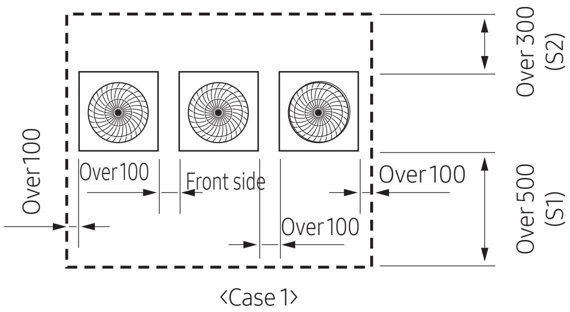


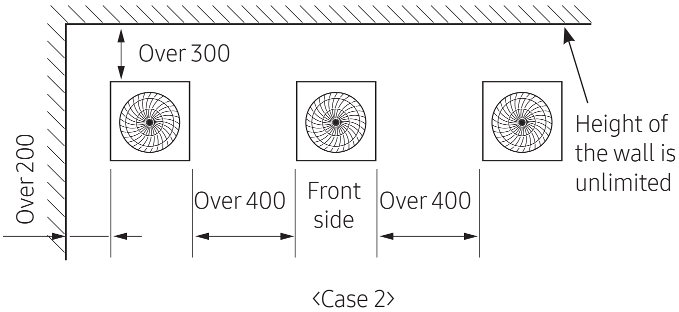
<Case 1>

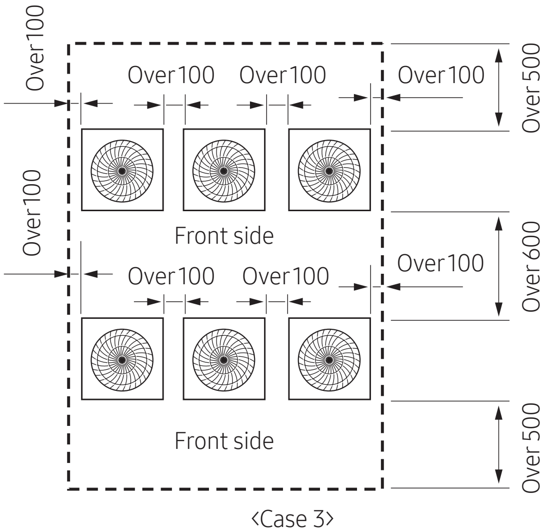


<Case 2>

Module installation





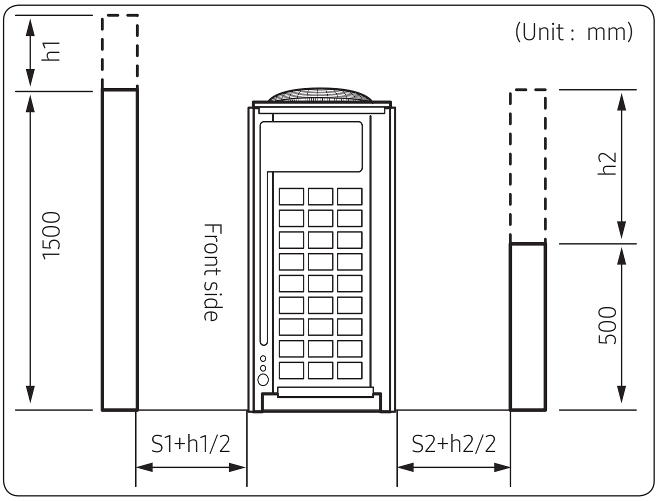


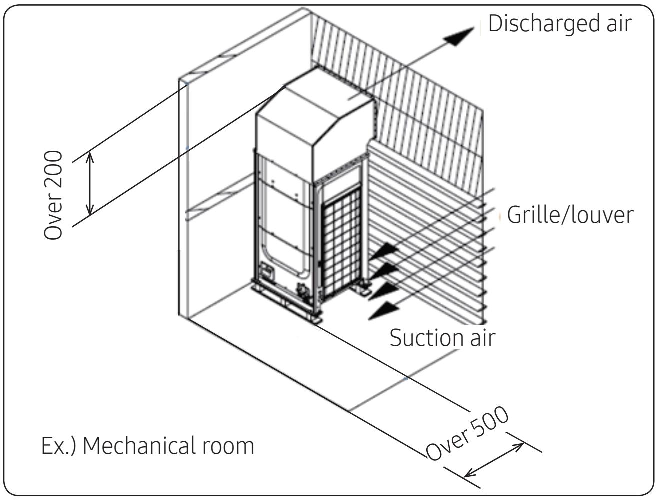
※ For <Case 1> or <Case 3>

- 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).

※ 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 (78.45Pa) when installing the duct.
- Secure enough cross-sectional area on grille surface for easy air intake in case of machinery room installation.



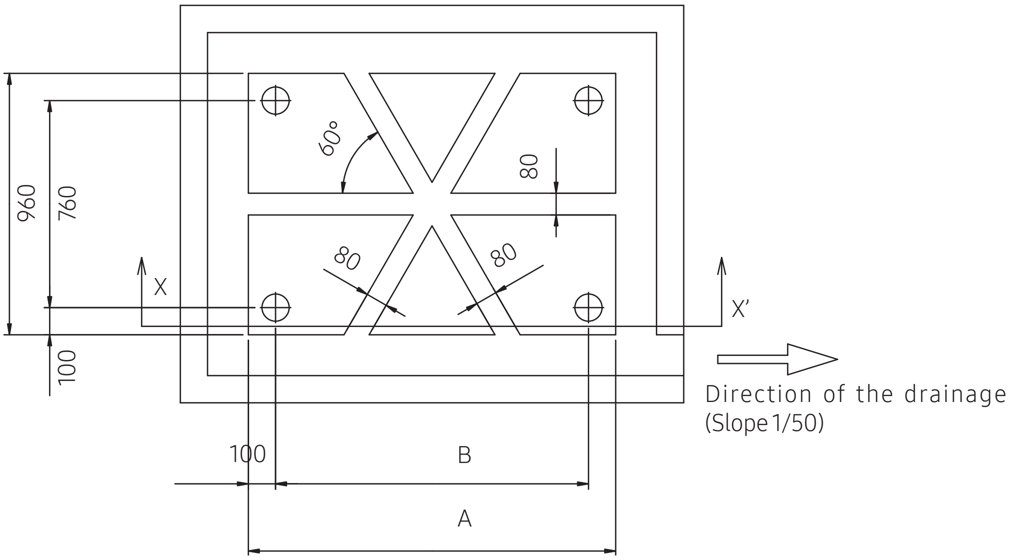


Base construction and installation of the outdoor unit

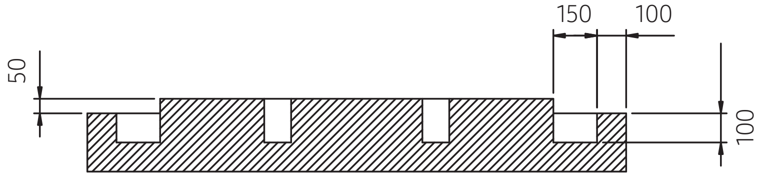
Examples of draining work

- ▶ 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.

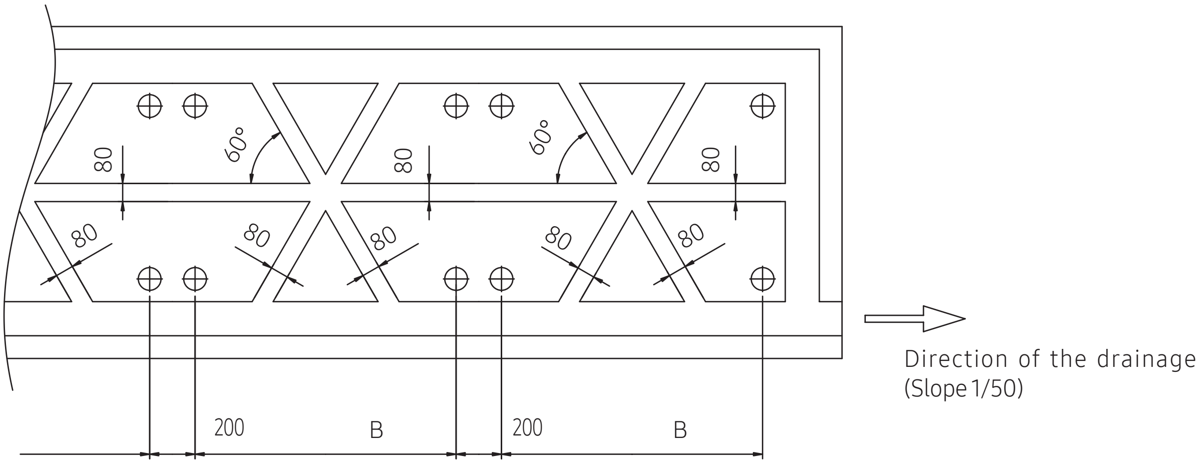
(Unit : mm)



<Drainage work for single installation>



<X-X' SECTION>



<Drainage work for module installation>

Base construction and installation of the outdoor unit

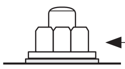
(Unit : mm)

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

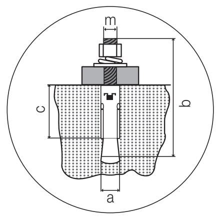
Cautions regarding on connecting the anchor bolt

▶ 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
Ø10	14 mm	75 mm	40 mm	50 mm	30 N·m



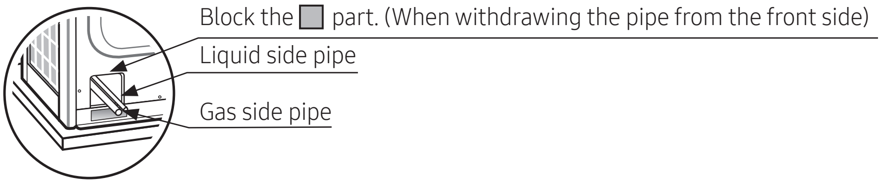
❈ Use the anchor bolts and nuts that is zinc plated or made of STS material. Regular anchor bolts or nuts may get damaged by corrosion.

Cautions regarding on connecting the pipe

▶ If you install the outdoor unit on the rooftop, check the strength and make sure to waterproof the rooftop.

▶ Construct draining pit around the base construction and pay attention to the drainage around the outdoor unit. (Condensation or defrost water may form during outdoor unit operation.)

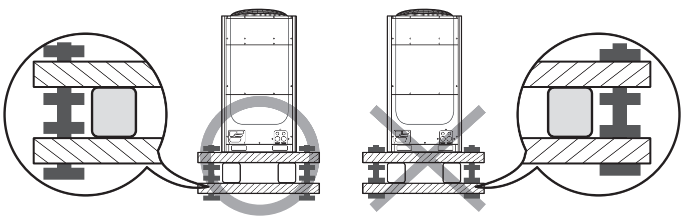
▶ If there's any possibility of small animals from entering the pipe outlet, block the outlet as shown in the illustration.



Cautions regarding on anti-vibration frame installation

▶ During installation, make sure there is no gap between the base ground and the supporting structures such as anti-vibration frame or H beam.

▶ Base ground must be constructed strongly to support the bottom part of the anti-vibration mount.



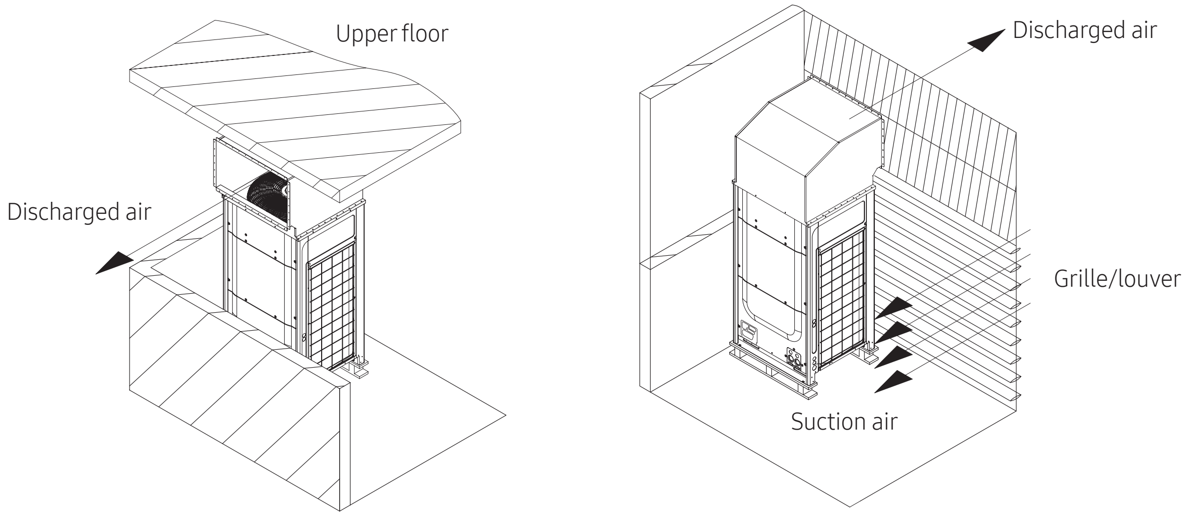
▶ After installing the anti-vibration frame, untighten the fixing part on the top and bottom part of the frame.

10. Installation

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.



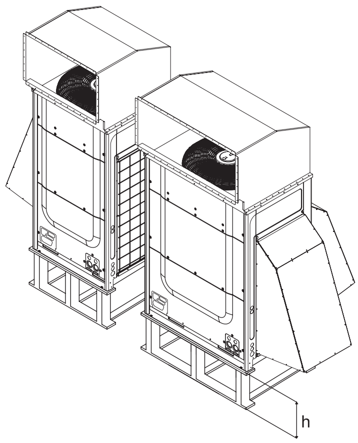
Installing the outdoor unit in cold region

- ▶ 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.



10. Installation

Wind/snow prevention duct

Installing the outdoor unit in windy region

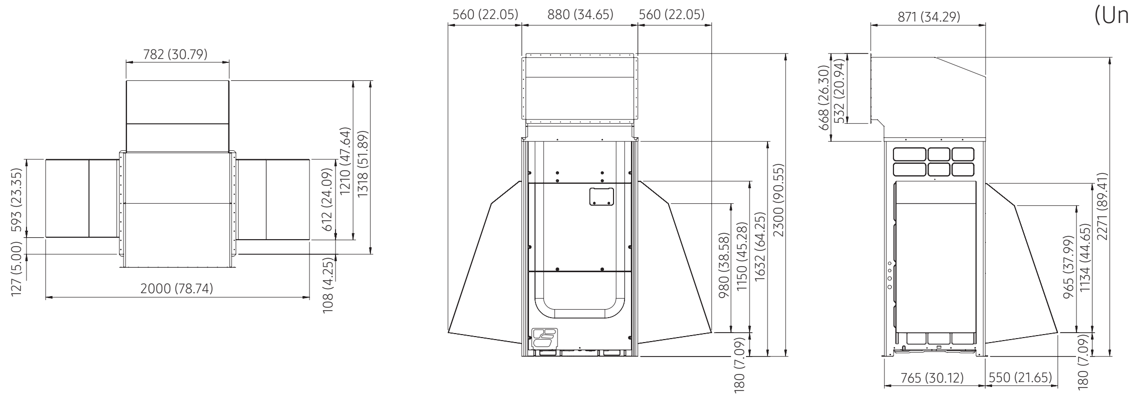
- ▶ In windy regions such as near sea shores, protection wall or wind protection duct must be installed for normal operation of the outdoor unit. (Refer to the illustration of the snow prevention duct, for installing the wind protection duct.)
- ▶ Install the wind prevention duct with the consideration 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

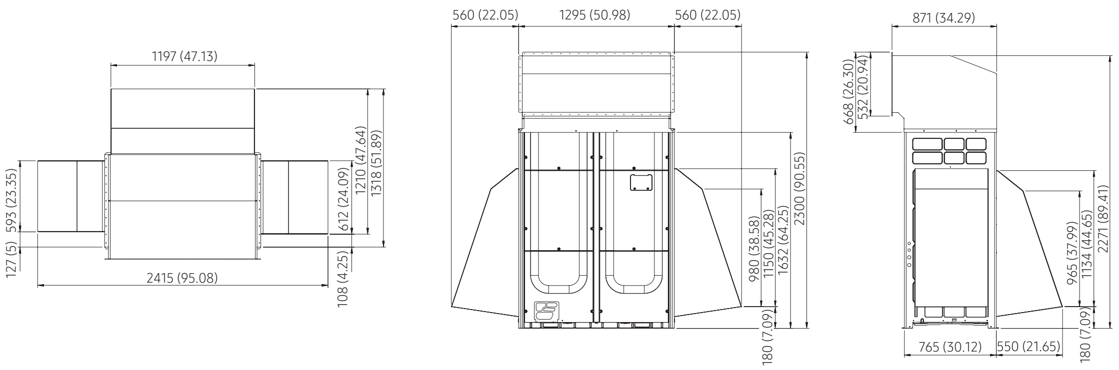
Cautions regarding on installing the frame and selecting the base ground

- 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.

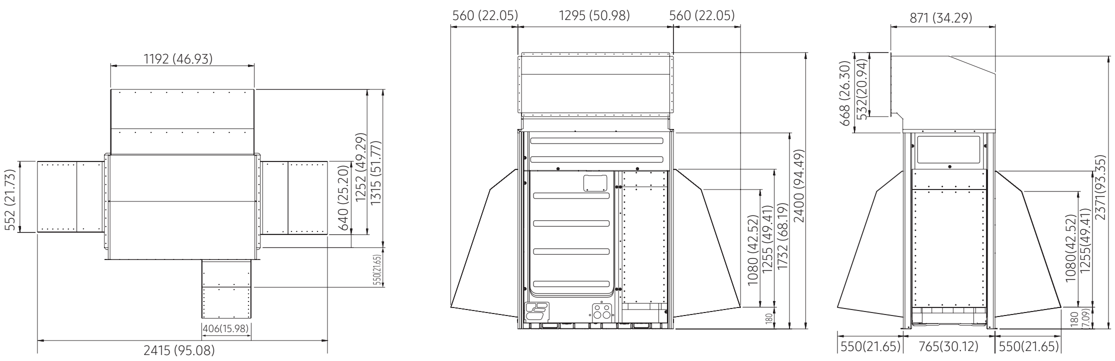
(Unit : mm)



<AM080/100/120✶XV✶✶>



<AM140/160/180/200/220✶XV✶✶>



<AM240/260/280/300✶XV✶✶>

10. Installation

Refrigerant pipe installation

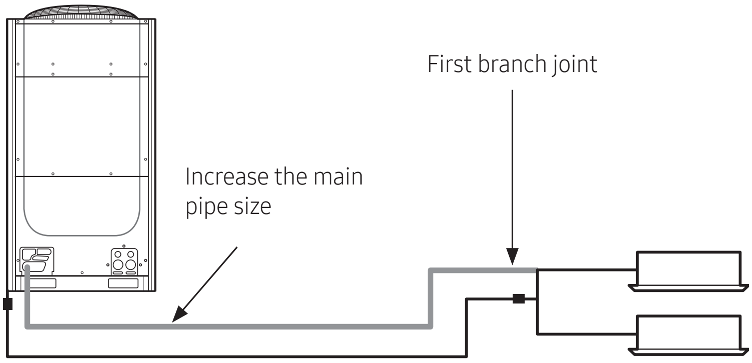
Refrigerant pipe work

- ▶ 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.		

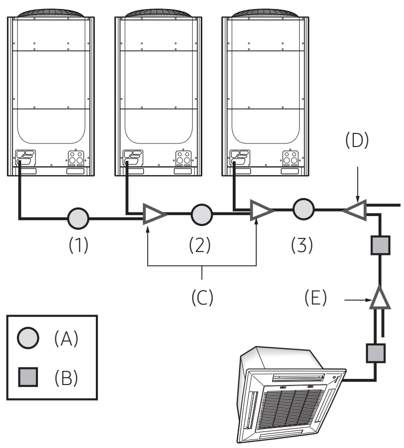
Refrigerant pipe installation

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.

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

10. Installation

Refrigerant pipe installation

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

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

<table>
<tr><th rowspan="2">Outdoor unit capacity (kW)
(Cooling)</th><th colspan="2">*Maximum pipe length within 90m
(Main pipe diameter)</th><th colspan="2">*Maximum pipe length over 90m
(Main pipe diameter)</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>22.4 kW</td><td rowspan="2">Ø 9.52</td><td>Ø 19.05</td><td rowspan="2">Ø 12.70</td><td>Ø 22.22</td></tr>
<tr><td>28.0 kW</td><td>Ø 22.22</td><td>Ø 25.40 note1)</td></tr>
<tr><td>33.6 kW</td><td rowspan="3">Ø 12.70</td><td rowspan="6">Ø 28.58</td><td rowspan="3">Ø 15.88</td><td rowspan="2">Ø 28.58</td></tr>
<tr><td>40.0 kW</td></tr>
<tr><td>45.0 kW</td><td rowspan="4">Ø 31.75 note2)</td></tr>
<tr><td>50.4 kW</td><td rowspan="4">Ø 15.88</td><td rowspan="4">Ø 19.05</td></tr>
<tr><td>56.0 kW</td></tr>
<tr><td>61.6 kW</td></tr>
<tr><td>67.2 kW</td><td rowspan="3">Ø 34.92</td><td rowspan="3">Ø 38.10 note3)</td></tr>
<tr><td>72.8 kW ~ 84.0 kW</td><td rowspan="5">Ø 19.05</td><td rowspan="5">Ø 22.22</td></tr>
<tr><td>89.6 kW ~ 95.2 kW</td></tr>
<tr><td>101.6 kW</td><td rowspan="3">Ø 41.28</td><td rowspan="2">Ø 41.28</td></tr>
<tr><td>106.6 kW ~ 135.2 kW</td></tr>
<tr><td>140.2 kW ~ 168.2 kW</td><td rowspan="2">Ø 53.98</td></tr>
<tr><td>173.6 kW ~ 252.0 kW</td><td>Ø 22.22</td><td>Ø 53.98</td><td>Ø 25.40 note1)</td></tr>
</table>

*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

10. Installation

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.

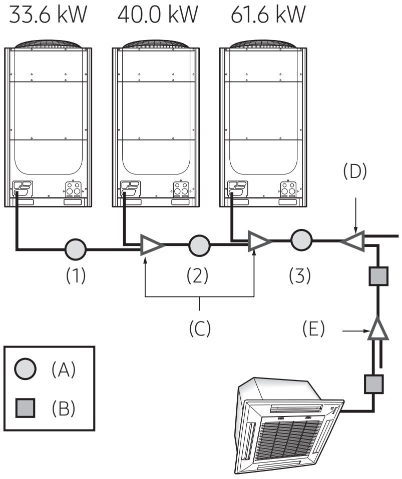
Note3) If Ø 38.10 pipe is not available on site, use Ø 41.28 pipe

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

10. Installation

Refrigerant pipe installation

▶ 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

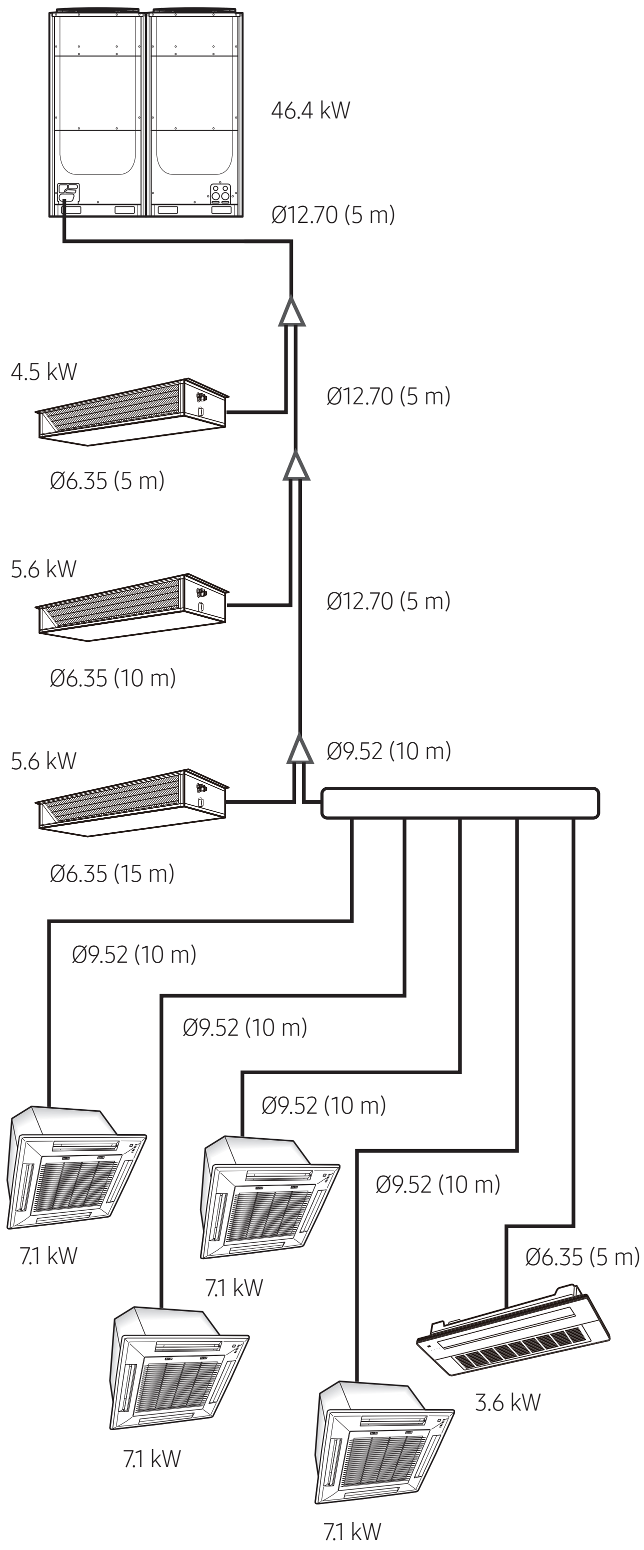
Classification	Model name	Specification (kW)
Y-joint (E)	MXJ-YA1509M	15.0 kW and below
	MXJ-YA2512M	Over 15.0 kW ~ 40.0 kW and below
	MXJ-YA2812M	Over 40.0 kW ~ 45.0 kW and below
	MXJ-YA2815M	Over 45.0 kW ~ 70.3 kW and below
	MXJ-YA3419M	Over 70.3 kW ~ 98.4 kW and below
	MXJ-YA4119M	Over 98.4 kW ~ 135.2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

H/P



10. Installation

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	AM200KX-VAGH	AM220KXVAGH	AM240KXVAGH	AM260KXVAGH	AM280KX-VAGH	AM300KX-VAGH
Basic type	8.4	8.4	12.5	12.5	14	14
Classification	AM080JX-VHGH	AM100JX-VHGH	AM120JX-VHGH	AM140KX-VGGH	AM160KX-VGGH	AM180KX-VGGH
Basic type	6.5	6.5	6.5	9.4	8.4	8.4
Classification	AM200KX-VGGH	AM220KX-VGGH	AM240KX-VGGH	AM260KX-VGGH	AM280KX-VGGH	AM080KX-VSGH
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.

10. Installation

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 Casette S (AM✱✱✱FN4DE✱✱)							0.45	0.45		0.45		0.45	0.57	0.69	0.69									
360 Casette (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 S (600×600) (AM✱✱✱FNNDE✱✱)	0.29		0.29	0.29		0.29	0.37	0.37	0.37															
Duct S (AM✱✱✱HNMPK✱/✱)						0.22	0.22	0.22		0.22		0.31	0.38	0.38	0.38									
Duct S (AM✱✱✱HNMPK✱9✱)					0.31	0.31	0.38	0.38		0.38														
Duct S (AM✱✱✱HNHPK✱/✱)													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	0.68	0.68	0.91								
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) In 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	

10. Installation

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	∑(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.

10. Installation

Refrigerant pipe installation

Pipe installation between the outdoor units

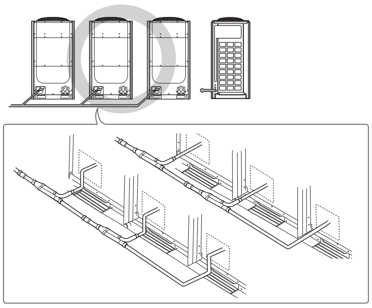
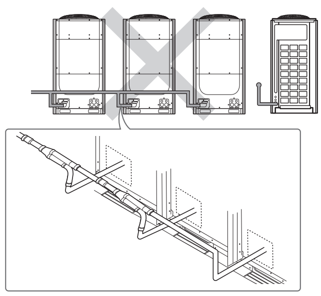
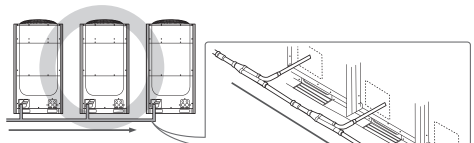
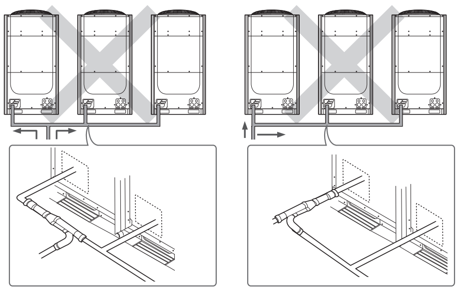
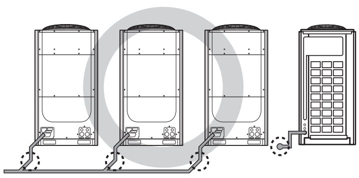
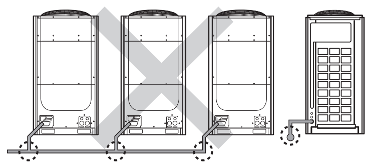
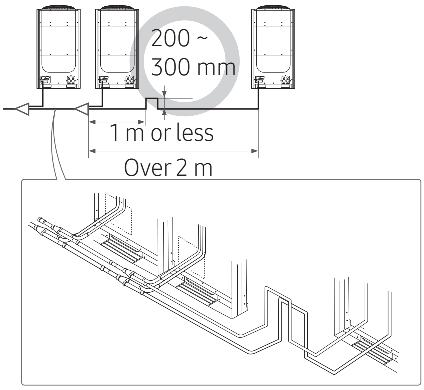
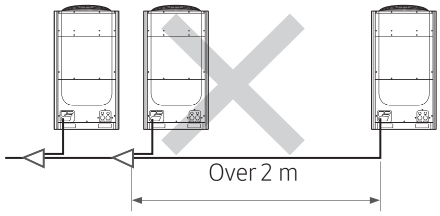
▶ You will need branch joints, which is an optional accessory, for connecting in between outdoor units in order to combine outdoor units in module.

❈ **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.	 Straight section should be 300mm or more	
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.		

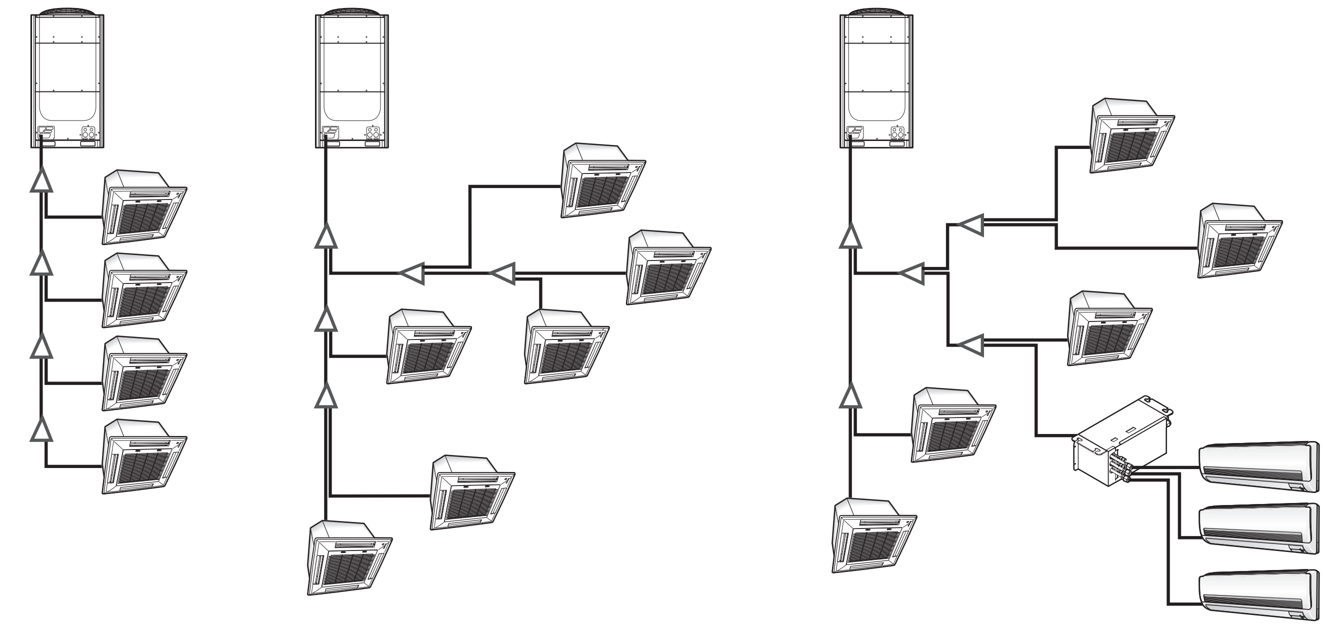
10. Installation

Refrigerant pipe installation

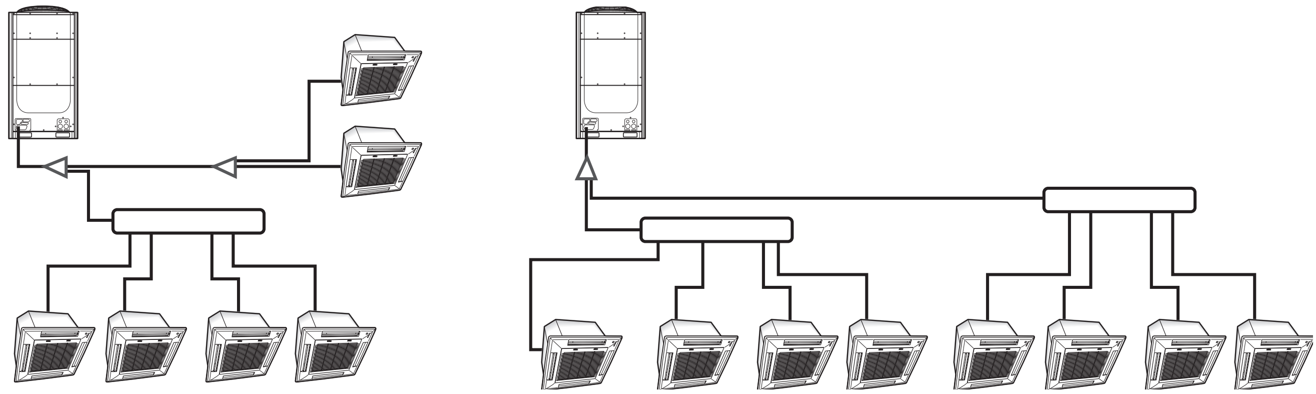
Examples of refrigerant pipe installation

H/P

1. Using Y-joint



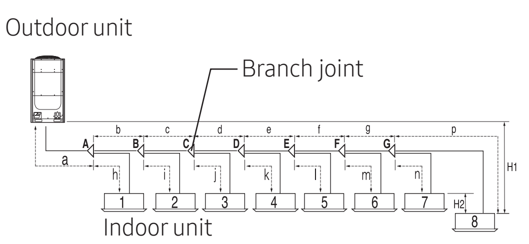
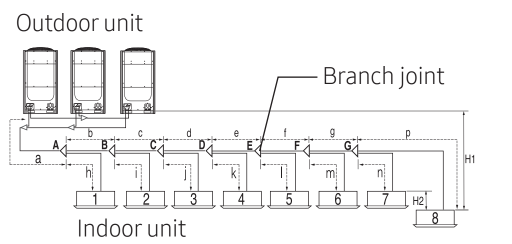
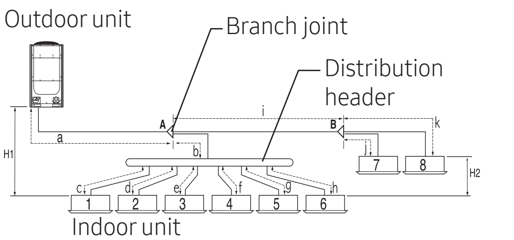
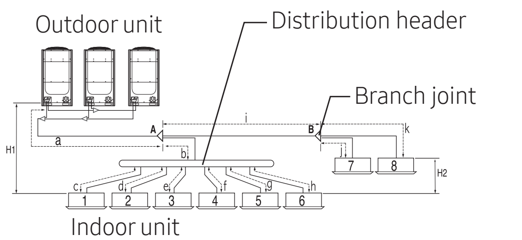
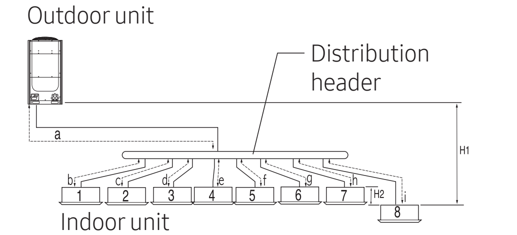
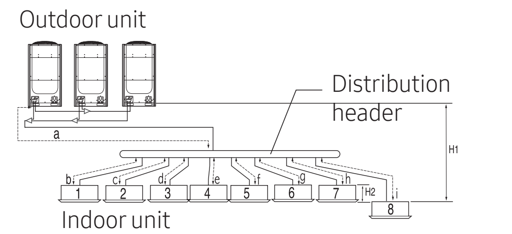
2. Using distribution header



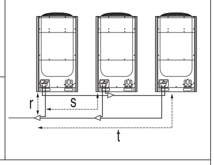
Refrigerant pipe installation

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 distribu-tion header		
Installing only with distribution header		

Refrigerant pipe installation

<table>
<tr><th colspan="4">Classification</th><th colspan="2">Example</th><th>Remarks</th></tr>
<tr><td rowspan="8">Maximum allowable length of pipe</td><td rowspan="6">Outdoor unit ~ Indoor unit</td><td rowspan="3">Actual length (Equivalent length)</td><td rowspan="3">200m and below (220m and below)</td><td>Installing only with Y-joint</td><td>a+b+c+d+e+f+g+p ≤ 200m(220m)</td><td rowspan="3">Equivalent length Y-joint: 0.5 m, Distribution header: 1 m</td></tr>
<tr><td>Installing with Y-joint and distribution header</td><td>a+b+h ≤ 200m (220m),
a+i+k ≤ 200m (220m)</td></tr>
<tr><td>Installing only with distribution header</td><td>a+i ≤ 200m (220m)</td></tr>
<tr><td rowspan="3">Total length of pipe (m)</td><td rowspan="3">1,000 m or less</td><td>Installing only with Y-joint</td><td>a+b+c+d+e+f+g+h+i+ j+k+l+m+n+p ≤ 1000m</td><td>-</td></tr>
<tr><td>Installing with Y-joint and distribution header</td><td>a+b+c+d+e+f+g+h+i+j+k ≤ 1000m</td><td>-</td></tr>
<tr><td>Installing only with distribution header</td><td>a+b+c+d+e+f+g+h+i ≤ 1000m</td><td>-</td></tr>
<tr><td rowspan="2">Outdoor unit ~ Outdoor unit (Module installation)</td><td>Pipe length</td><td>10 m or less</td><td colspan="2">r ≤ 10 m, s ≤ 10 m, t ≤ 10 m</td><td rowspan="2"></td></tr>
<tr><td>Equivalent length</td><td>13 m or less</td><td colspan="2">r ≤ 13m, s ≤ 13m, t ≤ 13m</td></tr>
<tr><td rowspan="3">Maximum allowable height difference of pipe</td><td>Outdoor unit ~ Indoor unit</td><td colspan="2">110/110m Note 2)</td><td colspan="3">H1 ≤ 110/110m</td></tr>
<tr><td rowspan="2">Indoor unit ~ Indoor unit</td><td colspan="2">50m or less</td><td colspan="3">H2 ≤ 50m</td></tr>
<tr><td colspan="5">But, when AM✶✶✶FNQDEH✶ / AM✶✶✶JNV✶ is installed, H2 is 15 m or less.</td></tr>
<tr><td rowspan="2">Maximum allowable length after branch joint</td><td rowspan="2">First branch joint ~ Farthest Indoor unit</td><td rowspan="2">Pipe length</td><td>45 m or less</td><td colspan="2">b+c+d+e+f+g+p ≤ 45m, i ≤ 45 m</td><td>-</td></tr>
<tr><td>45 m~ 90 m Note 1)</td><td colspan="2">Required conditions must be satisfied</td><td>Exclude H/R</td></tr>
</table>

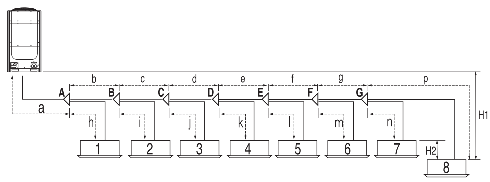
10. Installation

Refrigerant pipe installation

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.

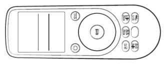
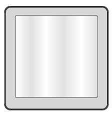
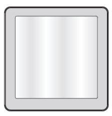
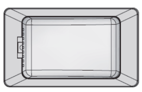
Note 1) Required condition

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		

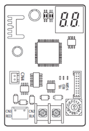
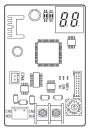
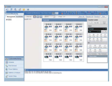
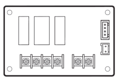
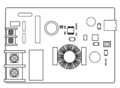
Note 2) When indoor unit is located at higher level than outdoor unit, allowable height difference is 110m, (If the height difference is over 40m, contact your local dealer for more information.)
but when the indoor unit is located at lower level than outdoor unit, allowable height difference is 110m
(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

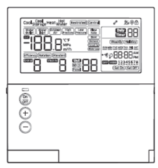
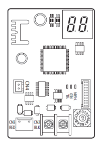
Controller

Classification	Product	Model	Image	Remark	Using
Individual Control System	Wireless Remote Controller	MR-EH00			DVM, CAC
	Wireless Remote Controller	AR-KH00E		360 CST Only	DVM, CAC
	Wired Remote Controller	MWR-WE11N			DVM, CAC
	Wired Remote Controller - Simple Type	MWR-SH00N			DVM, CAC
	Wired Remote Controller - Touch Simple Type	MWR-SH10N			DVM, CAC
	ERV Wired Remote Controller	MWR-VH12N		ERV Olny	DVM, CAC
	Wired Remote Controller	MWR-WW00N		EHS Only	EHS
	Receiver KIT	MRK-A10N			DVM, CAC
	Zone Controller	MWR-ZS00N		Master controller + Damper controller	DVM, CAC
	Zone Controller	MWR-ZS10N		Slave controller	DVM, CAC
	Zone Controller	MRW-TS		External room sensor	DVM, CAC

11. Accessory

Classification	Product	Model	Image	Remark	Using
Centralized Control System	Onoff Controller	MCM-A202DN			DVM, CAC
	Touch Centralized Controller	MCM-A300N			DVM, CAC
	WIFI KIT	MIM-H03N			DVM, CAC
	Interface Module	MIM-N01			DVM, CAC
	ERV Interface Module	MIM-N10			DVM, CAC
Integrated management System	DMS2.5	MIM-D01AN			DVM, CAC
	S-NET3	MST-P3P			DVM, CAC
Gate Way	BACnet Gateway	MIM-B17BN			DVM, CAC
	Lonworks Gateway	MIM-B18BN			DVM, CAC
	External Contact Interface Module	MIM-B14			DVM, CAC
	MTFC (Multi Tenant Function Controller)	MCM-C210N			DVM
	SIM (Signal Interface Module)	MIM-B12N			DVM, CAC
	PIM (Pulse Interface Module)	MIM-B16N			DVM, CAC

11. Accessory

Classification	Product	Model	Image	Remark	Using
Installation /Test run Solution	S-Checker	MIM-C10N			DVM, CAC
	S-Converter	MIM-C02N			DVM, CAC
Others	External Room Sensor	MRW-TA			DVM, CAC
	Operation Mode Selection Switch	MCM-C200			DVM
	Module Controller	MCM-A00N		CHILLER Only	CHILLER
	FCU Interface Module	MIM-F10N		CHILLER Only	CHILLER

NOTE

- 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 & Control Accessory Compatibility

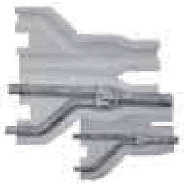
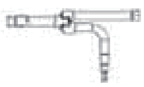
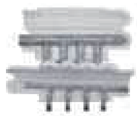
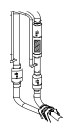
Item		NASA (DVM S)	Non-NASA (DVM +3/+4)	Remark
Individual Control System	Wireless Remote Controller	MR-EH00	MR-EH00	DVM, CAC
	Wireless Remote Controller	AR-KH00E	AR-KH00E	DVM, CAC (360 CST)
	Wired Remote Controller	MWR-WE11N	MWR-WE10	DVM, CAC
	Wired Remote Controller - Simple Type	MWR-SH00N	MWR-SH00	DVM, CAC
	Wired Remote Controller - Touch Simple Type	MWR-SH10N	-	DVM, CAC
	ERV Wired Remote Controller	MWR-VH12N	-	DVM, CAC (ERV)
	Wired Remote Controller	MWR-WW00N	MWR-WW00	EHS
	Receiver KIT	MRK-A10N	-	DVM, CAC
	Zone Controller	MWR-ZS00N	MWR-ZS00	DVM, CAC
	Zone Controller	MWR-ZS10N	MWR-ZS10	DVM, CAC
	Zone Controller	MRW-TS	MRW-TS	DVM, CAC
Centralized Control System	Onoff Controller	MCM-A202DN	MCM-A202D	DVM, CAC
	Touch Centralized Controller	MCM-A300N	-	DVM, CAC
	WIFI KIT	MIM-H03N	MIM-H03	DVM, CAC
	Interface Module	MIM-N01	MIM-N01	DVM, CAC
	ERV Interface Module	MIM-N10	MIM-N10	DVM, CAC
Integrated management System	DMS2.5	MIM-D01AN	MIM-D00A	DVM, CAC
	S-NET3	MST-P3P	MST-P3P	DVM, CAC
Gate Way	BACnet Gateway	MIM-B17BN	MIM-B17	DVM, CAC
	Lonworks Gateway	MIM-B18BN	MIM-B18	DVM, CAC
	External Contact Interface Module	MIM-B14	MIM-B14	DVM, CAC
	MTFC (Multi Tenant Function Controller)	MCM-C210N	-	
	SIM (Signal Interface Module)	MIM-B12N	MIM-B12	DVM, CAC
	PIM (Pulse Interface Module)	MIM-B16N	MIM-B16	DVM, CAC
	Module Controller	MCM-A00N	-	CHILLER ONLY
	FCU KIT	MIM-F00N	-	CHILLER ONLY
	FCU Interface Module	MIM-F10N	-	CHILLER ONLY
Installation / Test run Solution	S-Checker	MIM-C10N	-	DVM, CAC
	S-Converter	MIM-C02N	MIM-C02	DVM, CAC
Others	External Room Sensor	MRW-TA	MRW-TA	DVM, CAC
	Operation Mode Selection Switch	MCM-C200	MCM-C200	DVM

NOTE

- 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

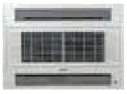
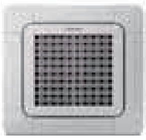
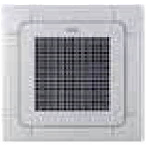
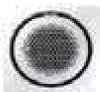
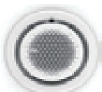
Product	Image	Model	Remark
Y-Joint		MXJ-YA1509M	15.0 kW and below
		MXJ-YA2512M	Over 15.0 kW ~ 40.0 kW and below
		MXJ-YA2812M	Over 40.0 kW ~ 45.0 kW and below
		MXJ-YA2815M	Over 45.0 kW ~ 70.3 kW and below
		MXJ-YA3419M	Over 70.3 kW ~ 98.4 kW and below
		MXJ-YA4119M	Over 98.4 kW ~ 135.2 kW and below
		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	~56 kW, ~6 indoor units
		MCU-S4NEE1N	~56 kW, ~4 indoor units
		MCU-S4NEE2N	~56 kW, ~6 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	8~12 HP
		MXD-A12K2A	14~16 HP
		MXD-A58K2A	18~26 HP

NOTE

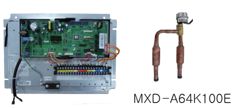
- In case you want more information about the accessories, please refer to the control and accessories TDB on pvi.Samsung.com site.

11. Accessory

Indoor unit

Product	Image	Model	Remark
Panel		PC1NUSMAN	1Way CST (JSF-1)
		PC1NUPMAN	1Way CST (JSF-1) (Z-sliding)
		PC1MWSKAN	1Way CST (JSF-0)
		PC1NWSMAN	1Way CST (JSF-1)
		PC1BWSMAN	1Way CST (JSF-2)
		PC2NUSMEN	2Way Cassette
		PC4SUSMAN	4Way Cassette S (600x600) (Waffle)
		PC4SUSMEN	4Way Cassette S (600x600) (Classic)
		PC4NUSKAN	4way Cassette S (Waffle)
		PC4NUSKEN	4way Cassette S (Classic)
		PC4NBSKAN	4way Cassette S (Waffle, Black)
		PC4NUDMAN	360 CST Square (White)
		PC4NUNMAN	360 CST Circular (White)
		PC4NBDMAN	360 CST Square (Black)
		PC4NBNMAN	360 CST Circular (Black)
S-Plasma Ion KIT		MSD-CAN1	[Option] 1Way, 4Way, 4Way (600x600), 360, Big Ceiling [Include] Console
		MSD-EAN1	[Option] Duct S, Big Duct, ERV, ERV Plus
Motion detect Sensor		MCR-SMA	4Way Cassette S (600x600)

11. Accessory

<table>
<tr><th>Product</th><th>Image</th><th>Model</th><th colspan="4">Remark</th></tr>
<tr><td>ERV CO2 Sensor</td><td></td><td>MOS-C1</td><td colspan="4">ERV, ERV PLUS</td></tr>
<tr><td>External room sensor</td><td></td><td>MRW-TA</td><td colspan="4">Casssette, Wall-mount, Ceiling, Duct, Console</td></tr>
<tr><td rowspan="8">Drain Pump</td><td rowspan="2"></td><td>MDP-N047SNC0D</td><td colspan="4">OAP Duct (14.0 kW)</td></tr>
<tr><td>MDP-N047SNC1D</td><td colspan="4">HSP Duct (22.0 / 28.0 kW)
OAP Duct (22.4 / 28.0 kW)</td></tr>
<tr><td rowspan="3"></td><td>MDP-M075S-GU1D</td><td colspan="4">MSP-0 / 1 Duct (9.2 / 11.2 kW)</td></tr>
<tr><td>MDP-M075S-GU2D</td><td colspan="4">MSP-2 Duct (12.8 / 14.0 kW)
HSP Duct (11.2 / 12.8 / 14.0 kW)</td></tr>
<tr><td>MDP-M075S-GU3D</td><td colspan="4">MSP-S Duct (5.6 / 7.1 kW)</td></tr>
<tr><td></td><td>MDP-E075SEE3D</td><td colspan="4">Slim Duct (2.0~14.0 kW)</td></tr>
<tr><td></td><td>MDP-G075SP</td><td colspan="4">Duct S (External, All Capacities)
BIG Duct</td></tr>
<tr><td></td><td>MDP-G075SQ</td><td colspan="4">Duct S (Internal, 3.5 kW~14 kW)
BIG Duct</td></tr>
<tr><td rowspan="6">AHU KIT</td><td rowspan="4"></td><td>MXD-K025AN</td><td colspan="4">7.0 kW~8.75 kW</td></tr>
<tr><td>MXD-K050AN</td><td colspan="4">14.0 kW~17.5 kW</td></tr>
<tr><td>MXD-K075AN</td><td colspan="4">21.0 kW~26.25 kW</td></tr>
<tr><td>MXD-K100AN</td><td colspan="4">28.0 kW~35.0 kW</td></tr>
<tr><td rowspan="2"></td><td rowspan="2">MCM-D201N</td><td>28kW~35kW</td><td>56kW~70kW</td><td>84kW~105kW</td><td>112kW~140kW</td></tr>
<tr><td>MDX-A64K100E X 1 EA</td><td>MDX-A64K100E X 2 EA</td><td>MDX-A64K100E X 3 EA</td><td>MDX-A64K100E X 4 EA</td></tr>
</table>

NOTE

- 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 unit's Accessory Compatibility

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

NOTE

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

2017. 09
Ver.2.01

Samsung Electronics Co., LTD.
B2B PM / SE
Head Office (Suwon Korea) 129, Samsung-Ro, Yeongtong-Gu, Suwon City, Gyeonggi-Do, Korea 16677
Website : www.samsung.com, http://btsp.samsunggsbn.com Email : airconditioner@samsung.com