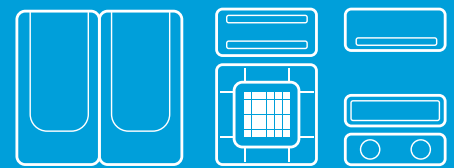


VRF

Technical Data Book

DVM S Outdoor unit for Europe (2Layer, 50Hz, H/P, H/R)



Model : H/P High EER type (AM*JXVHGH*EU, AM*** HXVAGH/EU)**

H/P Standard type (AM*JXVAGH*EU, AM*** HXVAGH/EU)**

H/R High EER type (AM*JXVHGR*EU)**

History

Version	Modification	Date	Remark
Ver.1.0	Released DVM S(2 Layer) TDB	15.05.22	
Ver.1.1	Modified the size of pipe connections in Specification (for 24HP)	15.06.02	
Ver.1.2	Add Note information in Specification regarding EU F-Gas regulation	15.06.16	
Ver.1.3	Added ODU combination models (H/P - High EER type) - Model added : 24HP*, 26HP*, 40HP* - Combination changed : 60HP	15.09.03	
Ver.1.4	Modify the specification of MCA and MFA	16.03.28	
Ver.1.5	Modify the specification of ODU(8HP,10HP,12HP) weight	16.04.06	
Ver.1.6	Modify 1) Installation Max. Height 110(40) → 110(110) (P13~50) 2) AM380JXVHGH1EU MFA 900.00 → 90.0 (P17) 3) AM030JXVHGR/EU MCA 18.5 → 18.0 (P41) 4) AM380JXVHHRG1EU MFA 900.00 → 90.0 (P44) 5) Installation Max. Height & Note (P99,100) 6) MCA & MFA Table (P102~106)	16.09.02	
Ver.1.7	Modification for the specification - Net/Shipping weight : AM140JXVHGH/EU 235kg → 231kg (Net), 254kg → 250kg (Shipping) AM160JXVHGH/EU 266kg → 262kg (Net), 285kg → 281kg (Shipping) AM180JXVHGH/EU, AM200JXVHGH/EU, AM220JXVHGH/EU 300kg → 296kg (Net), 319kg → 315kg (Shipping) AM240HXVAGH/EU, AM260HXVAGH/EU 360kg → 356kg (Net), 375kg → 371kg (Shipping) AM140JXVHGR/EU 241kg → 237kg (Net), 260kg → 256kg (Shipping) AM160JXVHGR/EU 272kg → 268kg (Net), 291kg → 287kg (Shipping) AM180JXVHGR/EU, AM200JXVHGH/EU, AM220JXVHGR/EU 306kg → 302kg (Net), 325kg → 321kg (Shipping)	16.11.14	

Nomenclature

Outdoor Units

Model Names

AM	080	J	X	V	A	G	H	/	EU
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)		Buyer

(1) Classification

AM	VRF
----	-----

(2) Capacity

x 1/10 HP (3 digits)

(3) Version

F	2013
H	2014
J	2015

(4) Product Type

X	Outdoor Unit
N	Indoor Unit

(5) Feature1

V	Inverter
M	DVM S Eco

(6) Feature2

A	Standard
H	High EER

(7) Rating Voltage

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

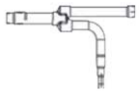
(8) Mode

H	Heat Pump
R	Heat Recovery

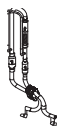
Accessory

Classification	Product	Image	Model	Remark
Integrated Management System	DMS 2.0		MIM-D00AN	-
	S-NET 3		MST-P3P	-
	PIM		MIM-B16N	-
Building Management System	BACnet Gateway		MIM-B17N	-
	LonWorks Gateway		MIM-B18N	-
Centralized Control System	On/Off controller		MCM-A202DN	-
	Touch controller		MCM-A300N	-
Individual Control System	Wireless remote controller		MR-EH00	-
	Wired remote controller		MWR-WE10N (Multi function)	A/C+VTL
			MWR-WW00N	DVM S Hydro Unit
	Simplified wired remote controller		MWR-SH00N	-
			MWR-VH02	ERV
Others	Operation mode selection switch		MCM-C200	DVM S Series (Except HR Models)
	External room sensor		MRW-TA	Cassette, Wall-mount, Ceiling, Duct, Console
	Compatible interface module		MIM-N01	Nasa-No Nasa
	ERV interface module		MIM-N10	ERV (Nasa)
	External contact interface module		MIM-B14	-
	S-Converter		MIM-C02N	-
	MTFC (Multi tenant function controller)		MCM-C210N	-
	Wireless signal receiver		MRK-A10N	-

Accessory

Product	Image	Model	Remark
Y-Joint		MXJ-YA1509M	15.0 kW and below
		MXJ-YA2512M	Over 15.0 kW~40.0 kW and below
		MXJ-YA2812M	Over 40.0 kW~45.0 kW and below
		MXJ-YA2815M	Over 45.0 kW~70.3 kW and below
		MXJ-YA3419M	Over 70.3 kW~98.4 kW and below
		MXJ-YA4119M	Over 98.4 kW~135.2 kW and below
		MXJ-YA4422M	Over 135.2 kW
Y-Joint (Only H/R)		MXJ-YA1500M	22.4 kW and below
		MXJ-YA2500M	Over 22.4 kW~70.3 kW and below
		MXJ-YA3100M	Over 70.3 kW~135.2 kW and below
		MXJ-YA3800M	Over 135.2 kW
Y-Joint Outdoor unit		MXJ-TA3419M	135.2 kW and below
		MXJ-TA4122M	140.2 kW and Over
Y-Joint (Only H/R) Outdoor unit		MXJ-TA3100M	135.2 kW and below
		MXJ-TA3800M	140.2 kW and Over
Distribution Header		MXJ-HA2512M	45.0 kW and below (for 4 rooms)
		MXJ-HA3115M	70.3 kW and below (for 8 rooms)
		MXJ-HA3819M	Over 70.3 kW~135.2 kW and below(for 8 rooms)
MCU		MCU-S6NEE1N	~56kW, ~6 indoor units
		MCU-S4NEE1N	~56kW, ~4 indoor units
		MCU-S4NEE2N	56kW, ~2 indoor units(each indoor unit for 11.2kW~28kW)
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	
AHU KIT		MXD-K025AN	7.0kW~8.75kW
		MXD-K050AN	14.0kW~17.5kW
		MXD-K075AN	21.0kW~26.25kW
		MXD-K100AN	28.0kW~35.0kW
		MCM-D201N	28kW~35kW / 56kW~70kW / 84kW~105kW / 112kW~140kW

Accessory

Product	Image	Model	Remark
PDM KIT		MXD-A38K2A	8~12HP
		MXD-A12K2A	14~16HP
		MXD-A58K2A	18~26HP
S-Plasma Ion KIT		MSD-CAN1	4Way Cassette S 4Way Cassette S(600x600)
		MSD-EAN1	ERV-Plus
Motion detect Sensor		MCR-SMA	4Way Cassette S (600x600)
ERV CO2 Sensor		MOS-C1	ERV, ERV PLUS
Drain Pump		MDP-N047SNC0D	OAP Duct (14.0 kW)
		MDP-N047SNC1D	HSP Duct (22.0 / 28.0 kW) OAP Duct (22.4 / 28.0 kW)
		MDP-M075SGU1D	MSP Duct (9.0 / 11.2 kW)
		MDP-M075SGU2D	MSP Duct (12.8 / 14.0 kW) HSP Duct (11.2 / 12.8 / 14.0 kW)
		MDP-M075SGU3D	MSP Duct (5.6 / 7.1 kW)
		MDP-E075SEE3D	Slim Duct (2.0~14.0 kW)
		MDP-G075SP	Duct S (External, All Capacities)
		MDP-G075SQ	Duct S (Internal, 3.5 kW~14 kW)
Panel		PC1NUSMAN	Slim 1Way Cassette
		PC1NUPMAN	Slim 1Way Cassette (Z-sliding)
		PC1MWSKAN	1Way Cassette (1.7 kW, 2.2 kW)
		PC2NUSMEN	2Way cassette
		PC4SUSMAN	4Way Cassette S(600x600) (Waffle)
		PC4SUSMEN	4Way Cassette S(600x600) (Classic)
		PC4NUSKAN	4 Way cassette S (Waffle)
		PC4NUSKEN	4 Way cassette S (Classic)
		PC4NBSKAN	4 Way cassette S (Waffle, Black)

Outdoor

1 Line-up

2 Specifications

3 Operation limit

4 Dimensional drawing

5 Electrical wiring diagram

6 Sound pressure level

7 Sound power level

8 Cycle diagram

9 Installation

1 Line-up

Heat Pump - High EER type

System Model			Outdoor Unit Selection									
Capacity	System Model Code	Number of Modules	8HP	10HP	12HP	14HP	16HP	18HP	20HP	22HP	24HP	26HP
			AM080JXVH GH/EU	AM100JXVH GH/EU	AM120JXVH GH/EU	AM140JXVH GH/EU	AM160JXVH GH/EU	AM180JXVH GH/EU	AM200JXVH GH/EU	AM220JXVH GH/EU	AM240HXV AGH/EU	AM260HXV AGH/EU
8HP	-	1	1									
10HP	-	1		1								
12HP	-	1			1							
14HP	-	1				1						
16HP	-	1					1					
18HP	-	1						1				
20HP	-	1							1			
22HP	-	1								1		
24HP	-	1									1	
26HP	-	1										1
24HP*	AM240JXVHGH1EU*	2			2							
26HP*	AM260JXVHGH1EU*	2			1	1						
28HP	AM280JXVHGH1EU	2			1		1					
30HP	AM300JXVHGH1EU	2			1			1				
32HP	AM320JXVHGH1EU	2			1				1			
34HP	AM340JXVHGH1EU	2			1					1		
36HP	AM360JXVHGH1EU	2				1				1		
38HP	AM380JXVHGH1EU	2					1			1		
40HP	AM400JXVHGH1EU	2				1						1
40HP*	AM400JXVHGH1EU*	2							2			
42HP	AM420JXVHGH1EU	2							1	1		
44HP	AM440JXVHGH1EU	2								2		
46HP	AM460JXVHGH1EU	3			2					1		
48HP	AM480JXVHGH1EU	3			1	1				1		
50HP	AM500JXVHGH1EU	3			1		1			1		
52HP	AM520JXVHGH1EU	3			1			1		1		
54HP	AM540JXVHGH1EU	3			1				1	1		
56HP	AM560JXVHGH1EU	3			1					2		
58HP	AM580JXVHGH1EU	3				1				2		
60HP	AM600JXVHGH1EU	3					1			2		
62HP	AM620JXVHGH1EU	3							2	1		
64HP	AM640JXVHGH1EU	3							1	2		
66HP	AM660JXVHGH1EU	3								3		
68HP	AM680JXVHGH1EU	4			2					2		
70HP	AM700JXVHGH1EU	4			1	1				2		
72HP	AM720JXVHGH1EU	4			1		1			2		
74HP	AM740JXVHGH1EU	4			1			1		2		
76HP	AM760JXVHGH1EU	4			1				1	2		
78HP	AM780JXVHGH1EU	4			1					3		
80HP	AM800JXVHGH1EU	4				1				3		

1) AM~JXVHGH1EU* : Outdoor Unit combination has been added.

1 Line-up

Heat Pump - High EER type (Compact)

System Model			Outdoor Unit Selection									
Capacity	System Model Code	Number of Modules	8HP	10HP	12HP	14HP	16HP	18HP	20HP	22HP	24HP	26HP
			AM080JXVH GH/EU	AM100JXVH GH/EU	AM120JXVH GH/EU	AM140JXVH GH/EU	AM160JXVH GH/EU	AM180JXVH GH/EU	AM200JXVH GH/EU	AM220JXVH GH/EU	AM240HXV AGH/EU	AM260HXV AGH/EU
36HP	AM360JXVHGH2EU	2			1						1	
38HP	AM380JXVHGH2EU	2			1							1
46HP	AM460JXVHGH2EU	2							1			1
48HP	AM480JXVHGH2EU	2								1		1
50HP	AM500JXVHGH2EU	2									1	1
52HP	AM520JXVHGH2EU	2										2
58HP	AM580JXVHGH2EU	3			1				1			1
60HP	AM600JXVHGH2EU	3			1					1		1
62HP	AM620JXVHGH2EU	3			1						1	1
64HP	AM640JXVHGH2EU	3			1							2
68HP	AM680JXVHGH2EU	3								2	1	
70HP	AM700JXVHGH2EU	3								2		1
72HP	AM720JXVHGH2EU	3								1	1	1
74HP	AM740JXVHGH2EU	3								1		2
76HP	AM760JXVHGH2EU	3									1	2
78HP	AM780JXVHGH2EU	3										3

1 Line-up

Heat Pump - Standard type

System Model			Outdoor Unit Selection									
Capacity	System Model Code	Number of Modules	8HP	10HP	12HP	14HP	16HP	18HP	20HP	22HP	24HP	26HP
			AM080JXVAGH/EU	AM100JXVAGH/EU	AM120JXVAGH/EU	AM140JXVAGH/EU	AM160JXVAGH/EU	AM180JXVAGH/EU	AM200JXVAGH/EU	AM220JXVAGH/EU	AM240HXVAGH/EU	AM260HXVAGH/EU
8HP	-	1	1									
10HP	-	1		1								
12HP	-	1			1							
14HP	-	1				1						
16HP	-	1					1					
18HP	-	1						1				
20HP	-	1							1			
22HP	-	1								1		
24HP	-	1									1	
26HP	-	1										1
28HP	AM280JXVAGH1EU	2			1		1					
30HP	AM300JXVAGH1EU	2			1			1				
32HP	AM320JXVAGH1EU	2			1				1			
34HP	AM340JXVAGH1EU	2			1					1		
36HP	AM360JXVAGH1EU	2				1				1		
38HP	AM380JXVAGH1EU	2					1			1		
40HP	AM400JXVAGH1EU	2				1						1
42HP	AM420JXVAGH1EU	2							1	1		
44HP	AM440JXVAGH1EU	2								2		
46HP	AM460JXVAGH1EU	3			2					1		
48HP	AM480JXVAGH1EU	3			1	1				1		
50HP	AM500JXVAGH1EU	3			1		1			1		
52HP	AM520JXVAGH1EU	3			1			1		1		
54HP	AM540JXVAGH1EU	3			1				1	1		
56HP	AM560JXVAGH1EU	3			1					2		
58HP	AM580JXVAGH1EU	3				1				2		
60HP	AM600JXVAGH1EU	3					1			2		
62HP	AM620JXVAGH1EU	3						1		2		
64HP	AM640JXVAGH1EU	3							1	2		
66HP	AM660JXVAGH1EU	3								3		
68HP	AM680JXVAGH1EU	4			2					2		
70HP	AM700JXVAGH1EU	4			1	1				2		
72HP	AM720JXVAGH1EU	4			1		1			2		
74HP	AM740JXVAGH1EU	4			1			1		2		
76HP	AM760JXVAGH1EU	4			1				1	2		
78HP	AM780JXVAGH1EU	4			1					3		
80HP	AM800JXVAGH1EU	4				1				3		

1 Line-up

Heat Pump - Standard type (Compact)

System Model			Outdoor Unit Selection									
Capacity	System Model Code	Number of Modules	8HP	10HP	12HP	14HP	16HP	18HP	20HP	22HP	24HP	26HP
			AM080JXVAGH2EU	AM100JXVAGH2EU	AM120JXVAGH2EU	AM140JXVAGH2EU	AM160JXVAGH2EU	AM180JXVAGH2EU	AM200JXVAGH2EU	AM220JXVAGH2EU	AM240HXVAGH2EU	AM260HXVAGH2EU
36HP	AM360JXVAGH2EU	2			1						1	
38HP	AM380JXVAGH2EU	2			1							1
46HP	AM460JXVAGH2EU	2							1			1
48HP	AM480JXVAGH2EU	2								1		1
50HP	AM500JXVAGH2EU	2									1	1
52HP	AM520JXVAGH2EU	2										2
58HP	AM580JXVAGH2EU	3			1				1			1
60HP	AM600JXVAGH2EU	3			1					1		1
62HP	AM620JXVAGH2EU	3			1						1	1
64HP	AM640JXVAGH2EU	3			1							2
68HP	AM680JXVAGH2EU	3								2	1	
70HP	AM700JXVAGH2EU	3								2		1
72HP	AM720JXVAGH2EU	3								1	1	1
74HP	AM740JXVAGH2EU	3								1		2
76HP	AM760JXVAGH2EU	3									1	2
78HP	AM780JXVAGH2EU	3										3

1 Line-up

Heat Recovery - High EER type

System Model			Outdoor Unit Selection							
Capacity	System Model Code	Number of Modules	8HP	10HP	12HP	14HP	16HP	18HP	20HP	22HP
			AM080JXVH GR/EU	AM100JXVH GR/EU	AM120JXVH GR/EU	AM140JXVH GR/EU	AM160JXVH GR/EU	AM180JXVH GR/EU	AM200JXVH GR/EU	AM220JXVH GR/EU
8HP	-	1	1							
10HP	-	1		1						
12HP	-	1			1					
14HP	-	1				1				
16HP	-	1					1			
18HP	-	1						1		
20HP	-	1							1	
22HP	-	1								1
24HP	AM240JXVHGR1EU	2			2					
26HP	AM260JXVHGR1EU	2			1	1				
28HP	AM280JXVHGR1EU	2			1		1			
30HP	AM300JXVHGR1EU	2			1			1		
32HP	AM320JXVHGR1EU	2			1				1	
34HP	AM340JXVHGR1EU	2			1					1
36HP	AM360JXVHGR1EU	2				1				1
38HP	AM380JXVHGR1EU	2					1			1
40HP	AM400JXVHGR1EU	2							2	
42HP	AM420JXVHGR1EU	2							1	1
44HP	AM440JXVHGR1EU	2								2
46HP	AM460JXVHGR1EU	3			2					1
48HP	AM480JXVHGR1EU	3			1	1				1
50HP	AM500JXVHGR1EU	3			1		1			1
52HP	AM520JXVHGR1EU	3			1			1		1
54HP	AM540JXVHGR1EU	3			1				1	1
56HP	AM560JXVHGR1EU	3			1					2
58HP	AM580JXVHGR1EU	3				1				2
60HP	AM600JXVHGR1EU	3					1			2
62HP	AM620JXVHGR1EU	3							2	1
64HP	AM640JXVHGR1EU	3							1	2
66HP	AM660JXVHGR1EU	3								3
68HP	AM680JXVHGR1EU	4			2					2
70HP	AM700JXVHGR1EU	4			1	1				2
72HP	AM720JXVHGR1EU	4			1		1			2
74HP	AM740JXVHGR1EU	4			1			1		2
76HP	AM760JXVHGR1EU	4			1				1	2
78HP	AM780JXVHGR1EU	4			1					3
80HP	AM800JXVHGR1EU	4				1				3

2 Specifications : H/P - High EER type

Outdoor

Type			DVM S(NEW)		DVM S(NEW)		DVM S(NEW)		DVM S(NEW)	
Model Name			AM080JXVHGH/EU		AM100JXVHGH/EU		AM120JXVHGH/EU		AM140JXVHGH/EU	
Power Supply			Ø, #, V, Hz		3,4,380-415,50		3,4,380-415,50		3,4,380-415,50	
Mode			-		HP		HP		HP	
Performance	HP		HP		8.00		10.00		12.00	
	Capacity (Nominal)	Cooling	kW		22.40		28.00		33.60	
			Btu/h		76,400		95,500		114,600	
		Heating	kW		25.20		31.50		37.80	
Btu/h			86,000		107,500		129,000			
Power	Power Input (Nominal)	Cooling 1)	kW	4.59		6.22		7.57		
		Heating 2)	kW	4.59		5.89		7.56		
	Current Input (Nominal)	Cooling 1)	A	7.40		10.00		12.10		
		Heating 2)	A	7.40		9.40		12.10		
	MCA		A	18.00		21.10		25.00		
	MFA		A	25.00		32.00		32.00		
COP	EER (Nominal Cooling)		-		4.88		4.50		4.44	
	COP (Nominal Heating)		-		5.49		5.35		5.00	
	Energy Grade		-		ESEER 8.00		ESEER 7.43		ESEER 7.23	
Compressor	Type		-		SSC Scroll x 1		SSC Scroll x 1		SSC Scroll x 1	
	Output		kW x n		(5.18)		(6.39)		(6.39)	
	Model Name		-		DS-GB052FAVBSGx1		DS-GB066FAVBSGx1		DS-GB066FAVBSGx1	
	Oil	Type	-		PVE		PVE		PVE	
Fan	Type		-		Propeller		Propeller		Propeller	
	Output x n		W		830.0		830.0		830.0	
	Air Flow Rate		CMM		170		170		220	
			l/s		2,833.3		2,833.3		3,666.7	
	External Static	Max.	mmAQ		8.00		8.00		8.00	
Pa			78.40		78.40		78.40			
Piping Connections	Liquid Pipe		Ø, mm		9.52		9.52		12.70	
			Ø, inch		3/8"		3/8"		1/2"	
	Gas Pipe		Ø, mm		19.05		22.22		28.58	
			Ø, inch		3/4"		7/8"		1 1/8"	
	Discharge Gas Pipe		Ø, mm		-		-		-	
			Ø, inch		-		-		-	
	Installation Limitation	Max. Length	m		200 (220)		200 (220)		200 (220)	
			Max. Height		m		110 (110)		110 (110)	
Field Wiring	Power Source Wire		mm²		-		-		-	
	Transmission Cable		mm²		0.75 ~ 1.50		0.75 ~ 1.50		0.75 ~ 1.50	
Refrigerant	Type		-		R410A		R410A		R410A	
	Factory Charging		kg		6.50		6.50		7.70	
Sound	Pressure		dBA		57.00		58.00		62.00	
	Power				77.00		79.00		81.00	
External Dimension	Net Weight		kg		195.5		195.5		195.5	
	Shipping Weight		kg		211.5		211.5		211.5	
	Net Dimensions (WxHxD)		mm		880x1,695x765		880x1,695x765		880x1,695x765	
	Shipping Dimensions (WxHxD)		mm		948x1,887x832		948x1,887x832		948x1,887x832	
Operating Temp.	Cooling		°C		-5.0 ~ 48.0		-5.0 ~ 48.0		-5.0 ~ 48.0	
	Heating		°C		-25.0 ~ 24.0		-25.0 ~ 24.0		-25.0 ~ 24.0	

* Specifications may be subject to change without prior notice.

1) Nominal cooling capacities are based on;

- Indoor temperature : 27°C DB, 19°C WB

- Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

2) Nominal heating capacities are based on;

- Indoor temperature : 20°C DB, 15°C WB

- Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.

4) These products contain R410A which is fluorinated greenhouse gas.

5) 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.)

When the outdoor unit is below the indoor unit & the level differences are 40m or more, contact your local dealer for more information.

* PDM kit: Pressure Drop Modulation kit

2 Specifications : H/P - High EER type

Outdoor

Type			DVM S(NEW)		DVM S(NEW)		DVM S(NEW)		DVM S(NEW)	
Model Name			AM160JXVHGH/EU		AM180JXVHGH/EU		AM200JXVHGH/EU		AM220JXVHGH/EU	
Power Supply			Ø, #, V, Hz		3,4,380-415,50		3,4,380-415,50		3,4,380-415,50	
Mode			-		HP		HP		HP	
Performance	HP	Capacity (Nominal)	Cooling	HP	16.00	18.00	20.00	22.00		
				kW	45.00	50.40	56.00	61.60		
				Btu/h	153,500	172,000	191,100	210,200		
				Heating	kW	50.40	56.70	63.00	69.30	
Power	Power Input (Nominal)	Cooling 1)	Heating 2)	kW	10.92	11.51	13.05	15.75		
				kW	10.75	11.62	13.10	15.86		
				A	17.50	18.50	20.90	25.30		
				A	17.20	18.60	21.00	25.40		
COP	MCA	MFA	Energy Grade	A	32.00	39.10	42.50	44.50		
				A	40.00	50.00	63.00	63.00		
				-	4.12	4.38	4.29	3.91		
				-	4.69	4.88	4.81	4.37		
Compressor	Type	Output	Model Name	Oil	Type	SSC Scroll x 2	SSC Scroll x 2	SSC Scroll x 2	SSC Scroll x 2	SSC Scroll x 2
Fan	Type	Output x n	Air Flow Rate	External Static	Max.	Propeller	Propeller	Propeller	Propeller	Propeller
Piping Connections	Liquid Pipe	Gas Pipe	Discharge Gas Pipe	Installation Limitation	Max. Length	Ø, mm	Ø, inch	Ø, mm	Ø, inch	Ø, mm
Field Wiring	Power Source Wire	Transmission Cable	Type	Factory Charging	Pressure	mm ²	-	-	-	-
Refrigerant	Type	Factory Charging	Pressure	Power	dBA	R410A	R410A	R410A	R410A	R410A
Sound	Net Weight	Shipping Weight	Net Dimensions (WxHxD)	Shipping Dimensions (WxHxD)	mm	1,295x1,695x765	1,295x1,695x765	1,295x1,695x765	1,295x1,695x765	1,295x1,695x765
Operating Temp.	Cooling	Heating	°C	°C	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0

* Specifications may be subject to change without prior notice.

1) Nominal cooling capacities are based on;

- Indoor temperature : 27°C DB, 19°C WB

- Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

2) Nominal heating capacities are based on;

- Indoor temperature : 20°C DB, 15°C WB

- Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.

4) These products contain R410A which is fluorinated greenhouse gas.

5) 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.)

When the outdoor unit is below the indoor unit & the level differences are 40m or more, contact your local dealer for more information.

* PDM kit: Pressure Drop Modulation kit

2 Specifications : H/P - High EER type

Outdoor

Type			DVM S(NEW)		DVM S(NEW)		DVM S(NEW)		DVM S(NEW)		
Model Name			AM240HXVAGH/EU		AM240JXVHGH1EU*		AM260HXVAGH/EU		AM260JXVHGH1EU*		
Power Supply			Ø, #, V, Hz	3,4,380-415,50		3,4,380-415,50		3,4,380-415,50		3,4,380-415,50	
Mode			-	HP		HP		HP		HP	
Performance	HP		HP	24.00		24.00		26.00		26.00	
	Capacity (Nominal)	Cooling	kW	67.20		67.20		72.80		73.60	
			Btu/h	229,300		229,300		248,400		251,100	
		Heating	kW	75.60		75.60		81.90		82.80	
			Btu/h	258,000		258,000		279,500		282,500	
Power	Power Input (Nominal)	Cooling 1)	kW	17.10		15.14		19.30		18.12	
		Heating 2)	kW	19.80		15.12		21.80		17.28	
	Current Input (Nominal)	Cooling 1)	A	26.83		24.20		30.28		29.00	
		Heating 2)	A	31.06		24.20		34.20		27.70	
	MCA		A	55.00		50.00		58.00		50.00	
	MFA		A	63.00		63.00		63.00		63.00	
COP	EER (Nominal Cooling)		-	3.93		4.44		3.77		4.06	
	COP (Nominal Heating)		-	3.82		5.00		3.76		4.79	
	Energy Grade	-	ESEER 6.48		ESEER 7.23		ESEER 6.26		ESEER 7.17		
		-	-		-		-		-		
Compressor	Type		-	SSC Scroll x 2		SSC Scroll x 2		SSC Scroll x 2		SSC Scroll x 2	
	Output		kW x n	(6.39 x 2)		(6.39)x2		(6.76 x 2)		(6.39) + (6.39)	
	Model Name		-	DS-GB066FAVBSGx2		DS-GB066FAVBSGx2		DS-GB070FAVASGx2		DS-GB066FAVBSGx2	
	Oil	Type	-	PVE		PVE		PVE		PVE	
	Type		-	Propeller		Propeller		Propeller		Propeller	
Fan	Type		-	Propeller		Propeller		Propeller		Propeller	
	Output x n		W	620.0x2		(830.0)x2		620.0x2		830.0 + 620.0x2	
	Air Flow Rate		CMM	310		220.0x2		310		220.0 + 255.0	
			l/s	5,166.7		3,666.7x2		5,166.7		3,666.7 + 4,250.0	
	External Static	Max.	mmAQ	8.00		8.00		8.00		8.00	
			Pa	78.40		78.40		78.40		78.40	
Piping Connections	Liquid Pipe		Ø, mm	15.88		15.88		19.05		19.05	
			Ø, inch	5/8"		5/8"		3/4"		3/4"	
	Gas Pipe		Ø, mm	34.92		34.92		34.92		34.92	
			Ø, inch	1 3/8"		1 3/8"		1 3/8"		1 3/8"	
	Discharge Gas Pipe		Ø, mm	-		-		-		-	
			Ø, inch	-		-		-		-	
	Installation Limitation	Max. Length	m	200 (220)		200 (220)		200 (220)		200 (220)	
			Max. Height	m	110 (110)		110 (110)		110 (110)		110 (110)
Field Wiring	Power Source Wire		mm²	-		-		-		-	
	Transmission Cable		mm²	0.75 ~ 1.50		0.75 ~ 1.50		0.75 ~ 1.50		0.75 ~ 1.50	
Refrigerant	Type		-	R410A		R410A		R410A		R410A	
	Factory Charging		kg	14.30		13.00		14.30		14.20	
Sound	Pressure		dBA	67.00		65.00		67.00		65.00	
	Power			91.00		84.00		91.00		84.00	
External Dimension	Net Weight		kg	356.0		195.5x2		356.0		195.5 + 231.0	
	Shipping Weight		kg	371.0		211.5x2		371.0		211.5 + 250.0	
	Net Dimensions (WxHxD)		mm	1,295x1,695x765		(880x1,695x765)x2		1,295x1,695x765		880x1,695x765 + 1,295x1,695x765	
	Shipping Dimensions (WxHxD)		mm	1,363x1,887x832		(948x1,887x832)x2		1,363x1,887x832		948x1,887x832 + 1,363x1,887x832	
Operating Temp.	Cooling		°C	-5.0 ~ 48.0		-5.0 ~ 48.0		-5.0 ~ 48.0		-5.0 ~ 48.0	
	Heating		°C	-25.0 ~ 24.0		-25.0 ~ 24.0		-25.0 ~ 24.0		-25.0 ~ 24.0	

* Specifications may be subject to change without prior notice.

1) Nominal cooling capacities are based on;

- Indoor temperature : 27°C DB, 19°C WB

- Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

2) Nominal heating capacities are based on;

- Indoor temperature : 20°C DB, 15°C WB

- Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.

4) These products contain R410A which is fluorinated greenhouse gas.

5) 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.)

When the outdoor unit is below the indoor unit & the level differences are 40m or more, contact your local dealer for more information.

* PDM kit: Pressure Drop Modulation kit

2 Specifications : H/P - High EER type

Outdoor

Type			DVM S(NEW)	DVM S(NEW)	DVM S(NEW)	DVM S(NEW)
Model Name			AM280JXVHGH1EU	AM300JXVHGH1EU	AM320JXVHGH1EU	AM340JXVHGH1EU
Power Supply			Ø, #, V, Hz	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
Mode			-	HP	HP	HP
Performance	HP		HP	28.00	30.00	32.00
	Capacity (Nominal)	Cooling	kW	78.60	84.00	89.60
			Btu/h	268,200	286,600	305,700
		Heating	kW	88.20	94.50	100.80
			Btu/h	301,000	322,400	343,900
Power	Power Input (Nominal)	Cooling 1)	kW	18.49	19.08	20.62
		Heating 2)	kW	18.31	19.18	20.66
	Current Input (Nominal)	Cooling 1)	A	29.60	30.60	33.00
		Heating 2)	A	29.30	30.70	33.10
	MCA		A	57.0	64.1	67.50
COP	MFA		A	63.00	75.00	75.00
	EER (Nominal Cooling)		-	4.25	4.40	4.35
	COP (Nominal Heating)		-	4.82	4.93	4.88
	Energy Grade		-	ESEER 7.00	ESEER 6.92	ESEER 6.87
			-	-	-	-
Compressor	Type		-	SSC Scroll x 3	SSC Scroll x 3	SSC Scroll x 3
	Output		kW x n	(6.39) + (4.39x2)	(6.39) + (6.39x2)	(6.39) + (6.39x2)
	Model Name		-	DS-GB066FAVBSGx1 + DS-GA046FAVASGx2	DS-GB066FAVBSGx3	DS-GB066FAVBSGx3
	Oil	Type	-	PVE	PVE	PVE
			-	PVE	PVE	PVE
Fan	Type		-	Propeller	Propeller	Propeller
	Output x n		W	830.0 + 620.0x2	830.0 + 620.0x2	830.0 + 620.0x2
	Air Flow Rate		CMM	220.0 + 255.0	220.0 + 290.0	220.0 + 290.0
			l/s	3,666.7 + 4,250.0	3,666.7 + 4,833.3	3,666.7 + 4,833.3
	External Static	Max.	mmAQ	8.00	8.00	8.00
Piping Connections	Liquid Pipe		Ø, mm	19.05	19.05	19.05
			Ø, inch	3/4"	3/4"	3/4"
	Gas Pipe		Ø, mm	34.92	34.92	34.92
			Ø, inch	1 3/8"	1 3/8"	1 3/8"
	Discharge Gas Pipe		Ø, mm	-	-	-
			Ø, inch	-	-	-
	Installation Limitation	Max. Length	m	200 (220)	200 (220)	200 (220)
		Max. Height	m	110 (110)	110 (110)	110 (110)
Field Wiring	Power Source Wire		mm ²	-	-	-
	Transmission Cable		mm ²	0.75 ~ 1.50	0.75 ~ 1.50	0.75 ~ 1.50
Refrigerant	Type		-	R410A	R410A	R410A
	Factory Charging		kg	14.20	14.90	14.90
Sound	Pressure		dBA	65.00	66.00	67.00
	Power			85.00	86.00	89.00
External Dimension	Net Weight		kg	195.5 + 262.0	195.5 + 296.0	195.5 + 296.0
	Shipping Weight		kg	211.5 + 281.0	211.5 + 315.0	211.5 + 315.0
	Net Dimensions (WxHxD)		mm	880x1,695x765 + 1,295x1,695x765	880x1,695x765 + 1,295x1,695x765	880x1,695x765 + 1,295x1,695x765
	Shipping Dimensions (WxHxD)		mm	948x1,887x832 + 1,363x1,887x832	948x1,887x832 + 1,363x1,887x832	948x1,887x832 + 1,363x1,887x832
Operating Temp.	Cooling		°C	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0
	Heating		°C	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0

* Specifications may be subject to change without prior notice.

1) Nominal cooling capacities are based on;

- Indoor temperature : 27°C DB, 19°C WB

- Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

2) Nominal heating capacities are based on;

- Indoor temperature : 20°C DB, 15°C WB

- Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.

4) These products contain R410A which is fluorinated greenhouse gas.

5) 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.)

When the outdoor unit is below the indoor unit & the level differences are 40m or more, contact your local dealer for more information.

* PDM kit: Pressure Drop Modulation kit

2 Specifications : H/P - High EER type

Outdoor

Type			DVM S(NEW)		DVM S(NEW)		DVM S(NEW)		DVM S(NEW)		
Model Name			AM360JXVHGH1EU		AM380JXVHGH1EU		AM400JXVHGH1EU		AM400JXVHGH1EU*		
Power Supply			Ø, #, V, Hz	3,4,380-415,50		3,4,380-415,50		3,4,380-415,50		3,4,380-415,50	
Mode			-	HP		HP		HP		HP	
Performance	HP		HP	36.00		38.00		40.00		40.00	
	Capacity (Nominal)	Cooling	kW	101.60		106.60		112.80		112.00	
			Btu/h	346,700		363,700		384,900		382,200	
		Heating	kW	114.30		119.70		126.90		126.00	
			Btu/h	390,000		408,400		433,000		429,900	
Power	Power Input (Nominal)	Cooling 1)	kW	26.30		26.67		29.85		26.10	
		Heating 2)	kW	25.58		26.61		31.52		26.20	
	Current Input (Nominal)	Cooling 1)	A	42.20		42.80		47.18		41.80	
		Heating 2)	A	41.00		42.60		49.80		42.00	
	MCA		A	69.50		76.50		83.00		85.00	
	MFA		A	80.00		90.00		100.00		100.00	
COP	EER (Nominal Cooling)		-	3.86		4.00		3.78		4.29	
	COP (Nominal Heating)		-	4.47		4.50		4.03		4.81	
	Energy Grade	-	ESEER 6.63		ESEER 6.53		ESEER 6.56		ESEER 6.66		
		-	-		-		-		-		
Compressor	Type		-	SSC Scroll x 3		SSC Scroll x 4		SSC Scroll x 3		SSC Scroll x 4	
	Output		kW x n	(6.39) + (6.39x2)		(4.39x2) + (6.39x2)		(6.39) + (6.76x2)		(6.39x2)x2	
	Model Name		-	DS-GB066FAVBSGx3		DS-GA046FAVASGx2 + DS-GB066FAVBSGx2		DS-GB066FAVBSGx1 + DS-GB070FAVASGx2		DS-GB066FAVBSGx4	
	Oil	Type	-	PVE		PVE		PVE		PVE	
	Type		-	Propeller		Propeller		Propeller		Propeller	
Fan	Type		-	Propeller		Propeller		Propeller		Propeller	
	Output x n		W	(620.0x2)x2		(620.0x2)x2		(620.0x2)x2		(620.0x2)x2	
	Air Flow Rate		CMM	255.0 + 290.0		255.0 + 290.0		255.0 + 310.0		290.0x2	
			l/s	4,250.0 + 4,833.3		4,250.0 + 4,833.3		4,250.0 + 5,166.7		4,833.3x2	
	External Static	Max.	mmAQ	8.00		8.00		8.00		8.00	
Piping Connections	Liquid Pipe		Ø, mm	19.05		19.05		19.05		19.05	
			Ø, inch	3/4"		3/4"		3/4"		3/4"	
	Gas Pipe		Ø, mm	41.28		41.28		41.28		41.28	
			Ø, inch	1 5/8"		1 5/8"		1 5/8"		1 5/8"	
	Discharge Gas Pipe		Ø, mm	-		-		-		-	
			Ø, inch	-		-		-		-	
	Installation Limitation	Max. Length	m	200 (220)		200 (220)		200 (220)		200 (220)	
		Max. Height	m	110 (110)		110 (110)		110 (110)		110 (110)	
	Field Wiring	Power Source Wire		mm²	-		-		-		-
Transmission Cable		mm²	0.75 ~ 1.50		0.75 ~ 1.50		0.75 ~ 1.50		0.75 ~ 1.50		
Refrigerant	Type		-	R410A		R410A		R410A		R410A	
	Factory Charging		kg	16.10		16.10		22.00		16.80	
Sound	Pressure		dBA	66.00		67.00		68.00		67.00	
	Power			89.00		89.00		91.00		89.00	
External Dimension	Net Weight		kg	231.0 + 296.0		262.0 + 296.0		231.0 + 356.0		296.0x2	
	Shipping Weight		kg	250.0 + 315.0		281.0 + 315.0		250.0 + 371.0		315.0x2	
	Net Dimensions (WxHxD)		mm	(1,295x1,695x765)x2		(1,295x1,695x765)x2		(1,295x1,695x765)x2		(1,295x1,695x765)x2	
	Shipping Dimensions (WxHxD)		mm	(1,363x1,887x832)x2		(1,363x1,887x832)x2		(1,363x1,887x832)x2		(1,363x1,887x832)x2	
Operating Temp.	Cooling		°C	-5.0 ~ 48.0		-5.0 ~ 48.0		-5.0 ~ 48.0		-5.0 ~ 48.0	
	Heating		°C	-25.0 ~ 24.0		-25.0 ~ 24.0		-25.0 ~ 24.0		-25.0 ~ 24.0	

* Specifications may be subject to change without prior notice.

1) Nominal cooling capacities are based on;

- Indoor temperature : 27°C DB, 19°C WB

- Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

2) Nominal heating capacities are based on;

- Indoor temperature : 20°C DB, 15°C WB

- Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.

4) These products contain R410A which is fluorinated greenhouse gas.

5) 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.)

When the outdoor unit is below the indoor unit & the level differences are 40m or more, contact your local dealer for more information.

* PDM kit: Pressure Drop Modulation kit

2 Specifications : H/P - High EER type

Outdoor

Type			DVM S(NEW)	DVM S(NEW)	DVM S(NEW)	DVM S(NEW)
Model Name			AM420JXVHGH1EU	AM440JXVHGH1EU	AM460JXVHGH1EU	AM480JXVHGH1EU
Power Supply			Ø, #, V, Hz	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
Mode			-	HP	HP	HP
Performance	HP	Capacity (Nominal)	HP	42.00	44.00	46.00
			kW	117.60	123.20	128.80
			Btu/h	401,300	420,400	439,500
			kW	132.30	138.60	144.90
Power	Cooling 1)	Heating 2)	kW	28.80	31.50	30.89
			kW	28.96	31.72	30.98
			A	46.20	50.60	49.50
			A	46.40	50.80	49.60
COP	MCA	MFA	A	87.0	89.0	94.5
			A	100.00	100.00	125.00
			A	100.00	100.00	125.00
			A	100.00	100.00	125.00
Compressor	Type	Output	SSC Scroll x 4	SSC Scroll x 4	SSC Scroll x 4	SSC Scroll x 4
			kW x n	(6.39x2) + (6.39x2)	(6.39x2)x2	(6.39)x2 + (6.39x2)
			Model Name	DS-GB066FAVBSGx4	DS-GB066FAVBSGx4	DS-GB066FAVBSGx4
			Oil Type	PVE	PVE	PVE
Fan	Type	Output x n	Propeller	Propeller	Propeller	Propeller
			W	(620.0x2)x2	(620.0x2)x2	(830.0)x2 + 620.0x2
			CMM	290.0x2	290.0x2	220.0x2 + 290.0
			l/s	4,833.3x2	4,833.3x2	3,666.7x2 + 4,833.3
Piping Connections	Liquid Pipe	Gas Pipe	Ø, mm	19.05	19.05	19.05
			Ø, inch	3/4"	3/4"	3/4"
			Ø, mm	41.28	41.28	41.28
			Ø, inch	1 5/8"	1 5/8"	1 5/8"
Field Wiring	Power Source Wire	Transmission Cable	mm ²	-	-	-
			mm ²	0.75 ~ 1.50	0.75 ~ 1.50	0.75 ~ 1.50
			mm ²	0.75 ~ 1.50	0.75 ~ 1.50	0.75 ~ 1.50
			mm ²	0.75 ~ 1.50	0.75 ~ 1.50	0.75 ~ 1.50
Refrigerant	Type	Factory Charging	R410A	R410A	R410A	R410A
			kg	16.80	16.80	21.40
			kg	16.80	16.80	21.40
			kg	16.80	16.80	21.40
Sound	Pressure	Power	dBA	68.00	68.00	68.00
			dBA	90.00	91.00	89.00
			dBA	90.00	91.00	89.00
			dBA	90.00	91.00	89.00
External Dimension	Net Weight	Shipping Weight	kg	296.0x2	296.0x2	195.5x2 + 296.0
			kg	315.0x2	315.0x2	211.5x2 + 315.0
			mm	(1,295x1,695x765)x2	(1,295x1,695x765)x2	(880x1,695x765)x2 + 1,295x1,695x765
			mm	(1,363x1,887x832)x2	(1,363x1,887x832)x2	(948x1,887x832)x2 + 1,363x1,887x832
Operating Temp.	Cooling	Heating	°C	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0
			°C	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0
			°C	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0
			°C	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0

* Specifications may be subject to change without prior notice.

1) Nominal cooling capacities are based on;

- Indoor temperature : 27°C DB, 19°C WB

- Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

2) Nominal heating capacities are based on;

- Indoor temperature : 20°C DB, 15°C WB

- Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.

4) These products contain R410A which is fluorinated greenhouse gas.

5) 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.)

When the outdoor unit is below the indoor unit & the level differences are 40m or more, contact your local dealer for more information.

* PDM kit: Pressure Drop Modulation kit

2 Specifications : H/P - High EER type

Outdoor

Type			DVM S(NEW)	DVM S(NEW)	DVM S(NEW)	DVM S(NEW)
Model Name			AM500JXVHGH1EU	AM520JXVHGH1EU	AM540JXVHGH1EU	AM560JXVHGH1EU
Power Supply			Ø, #, V, Hz	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
Mode			-	HP	HP	HP
Performance	HP	Capacity (Nominal)	HP	50.00	52.00	54.00
			kW	140.20	145.60	151.20
			Btu/h	478,400	496,800	515,900
			kW	157.50	163.80	170.10
Power	Cooling 1)	Heating 2)	kW	34.24	34.83	36.37
			kW	34.17	35.04	36.52
			A	54.90	55.90	58.30
			A	54.70	56.10	58.50
COP	MCA	MFA	A	101.50	108.60	112.00
			A	125.00	125.00	125.00
			-	4.09	4.18	4.16
			-	4.61	4.67	4.66
Compressor	Type	Output	-	SSC Scroll x 5	SSC Scroll x 5	SSC Scroll x 5
			kW x n	(6.39) + (4.39x2) + (6.39x2)	(6.39) + (6.39x2) + (6.39x2)	(6.39) + (6.39x2) + (6.39x2)
			Model Name	DS-GB066FAVBSGx3 + DS-GA046FAVASGx2	DS-GB066FAVBSGx5	DS-GB066FAVBSGx5
			Oil Type	PVE	PVE	PVE
Fan	Type	Output x n	-	Propeller	Propeller	Propeller
			W	830.0 + (620.0x2)x2	830.0 + (620.0x2)x2	830.0 + (620.0x2)x2
			CMM	220.0 + 255.0 + 290.0	220.0 + 290.0x2	220.0 + 290.0x2
			l/s	3,666.7 + 4,250.0 + 4,833.3	3,666.7 + 4,833.3x2	3,666.7 + 4,833.3x2
Piping Connections	Liquid Pipe	Gas Pipe	mmAQ	8.00	8.00	8.00
			Pa	78.40	78.40	78.40
			Ø, mm	19.05	19.05	19.05
			Ø, inch	3/4"	3/4"	3/4"
Piping Connections	Gas Pipe	Discharge Gas Pipe	Ø, mm	41.28	41.28	41.28
			Ø, inch	1 5/8"	1 5/8"	1 5/8"
			Ø, mm	-	-	-
			Ø, inch	-	-	-
Field Wiring	Power Source Wire	Transmission Cable	mm²	200 (220)	200 (220)	200 (220)
			mm²	110 (110)	110 (110)	110 (110)
			mm²	0.75 ~ 1.50	0.75 ~ 1.50	0.75 ~ 1.50
			mm²	0.75 ~ 1.50	0.75 ~ 1.50	0.75 ~ 1.50
Refrigerant	Type	Factory Charging	-	R410A	R410A	R410A
			kg	22.60	23.30	23.30
			kg	22.60	23.30	23.30
			kg	23.30	23.30	23.30
Sound	Pressure	Power	dBA	68.00	68.00	69.00
			dBA	90.00	90.00	91.00
			dBA	68.00	68.00	69.00
			dBA	90.00	90.00	91.00
External Dimension	Net Weight	Shipping Weight	kg	195.5 + 262.0 + 296.0	195.5 + 296.0x2	195.5 + 296.0x2
			kg	211.5 + 281.0 + 315.0	211.5 + 315.0x2	211.5 + 315.0x2
			mm	880x1,695x765 + (1,295x1,695x765)x2	880x1,695x765 + (1,295x1,695x765)x2	880x1,695x765 + (1,295x1,695x765)x2
			mm	948x1,887x832 + (1,363x1,887x832)x2	948x1,887x832 + (1,363x1,887x832)x2	948x1,887x832 + (1,363x1,887x832)x2
Operating Temp.	Cooling	Heating	°C	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0
			°C	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0
			°C	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0
			°C	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0

* Specifications may be subject to change without prior notice.

1) Nominal cooling capacities are based on;

- Indoor temperature : 27°C DB, 19°C WB

- Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

2) Nominal heating capacities are based on;

- Indoor temperature : 20°C DB, 15°C WB

- Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.

4) These products contain R410A which is fluorinated greenhouse gas.

5) 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.)

When the outdoor unit is below the indoor unit & the level differences are 40m or more, contact your local dealer for more information.

* PDM kit: Pressure Drop Modulation kit

2 Specifications : H/P - High EER type

Outdoor

Type			DVM S(NEW)		DVM S(NEW)		DVM S(NEW)		DVM S(NEW)	
Model Name			AM580JXVHGH1EU		AM600JXVHGH1EU		AM620JXVHGH1EU		AM640JXVHGH1EU	
Power Supply			Ø, #, V, Hz		3,4,380-415,50		3,4,380-415,50		3,4,380-415,50	
Mode			-		HP		HP		HP	
Performance	HP	Capacity (Nominal)	Cooling	HP	58.00	60.00	62.00	64.00	62.00	64.00
				kW	163.20	168.20	173.60	179.20	173.60	179.20
				Btu/h	556,900	573,900	592,300	611,500	592,300	611,500
				Heating	kW	183.60	189.00	195.30	201.60	201.60
Power	Power Input (Nominal)	Cooling 1)	Heating 2)	kW	42.05	42.42	41.85	44.55	42.05	44.82
				kW	41.44	42.47	42.06	44.82	41.44	42.47
				A	67.50	68.10	67.10	71.50	67.50	71.50
				A	66.40	68.00	67.40	71.80	66.40	71.80
COP	MCA	MFA	Energy Grade	A	114.00	121.00	129.50	131.50	114.00	131.50
				A	125.00	150.00	150.00	150.00	125.00	150.00
				-	3.88	3.97	4.15	4.02	3.88	4.02
				-	4.43	4.45	4.64	4.50	4.43	4.50
Compressor	Type	Output	Model Name	Oil	Type	SSC Scroll x 5	SSC Scroll x 6	SSC Scroll x 6	SSC Scroll x 6	SSC Scroll x 6
Fan	Type	Output x n	Air Flow Rate	External Static	Max.	Propeller	Propeller	Propeller	Propeller	Propeller
Piping Connections	Liquid Pipe	Gas Pipe	Discharge Gas Pipe	Installation Limitation	Max. Length	Ø, mm	Ø, inch	Ø, mm	Ø, inch	Ø, mm
Field Wiring	Power Source Wire	Transmission Cable	Type	Factory Charging	Pressure	Power	Type	Factory Charging	Pressure	Power
Refrigerant	Type	Factory Charging	Pressure	Power	Type	Factory Charging	Pressure	Power	Type	Factory Charging
Sound	Type	Factory Charging	Pressure	Power	Type	Factory Charging	Pressure	Power	Type	Factory Charging
External Dimension	Net Weight	Shipping Weight	Net Dimensions (WxHxD)	Shipping Dimensions (WxHxD)	Type	Factory Charging	Pressure	Power	Type	Factory Charging
Operating Temp.	Cooling	Heating	°C	°C	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0

* Specifications may be subject to change without prior notice.

1) Nominal cooling capacities are based on;

- Indoor temperature : 27°C DB, 19°C WB

- Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

2) Nominal heating capacities are based on;

- Indoor temperature : 20°C DB, 15°C WB

- Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.

4) These products contain R410A which is fluorinated greenhouse gas.

5) 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.)

When the outdoor unit is below the indoor unit & the level differences are 40m or more, contact your local dealer for more information.

* PDM kit: Pressure Drop Modulation kit

2 Specifications : H/P - High EER type

Outdoor

Type			DVM S(NEW)		DVM S(NEW)		DVM S(NEW)		DVM S(NEW)	
Model Name			AM660JXVHGH1EU		AM680JXVHGH1EU		AM700JXVHGH1EU		AM720JXVHGH1EU	
Power Supply			Ø, #, V, Hz		3,4,380-415,50		3,4,380-415,50		3,4,380-415,50	
Mode			-		HP		HP		HP	
Performance	HP		HP		66.00		68.00		70.00	
	Capacity (Nominal)	Cooling	kW		184.80		190.40		196.80	
			Btu/h		630,600		649,700		671,500	
		Heating	kW		207.90		214.20		221.40	
			Btu/h		709,400		730,900		755,400	
Power	Power Input (Nominal)	Cooling 1)	kW		47.25		46.64		49.62	
		Heating 2)	kW		47.58		46.84		49.00	
	Current Input (Nominal)	Cooling 1)	A		75.90		74.80		79.60	
		Heating 2)	A		76.20		75.00		78.50	
	MCA		A		133.5		139.0		139.00	
COP	MFA		A		150.00		175.00		175.00	
	EER (Nominal Cooling)		-		3.91		4.08		3.97	
	COP (Nominal Heating)		-		4.37		4.57		4.52	
	Energy Grade		-		ESEER 6.32		ESEER 6.64		ESEER 6.64	
			-		-		-		-	
Compressor	Type		-		SSC Scroll x 6		SSC Scroll x 6		SSC Scroll x 6	
	Output		kW x n		(6.39x2)x3		(6.39)x2 + (6.39x2)x2		(6.39) + (6.39) + (6.39x2)x2	
	Model Name		-		DS-GB066FAVBSGx6		DS-GB066FAVBSGx6		DS-GB066FAVBSGx6	
	Oil		Type		PVE		PVE		PVE	
			-		PVE		PVE		PVE	
Fan	Type		-		Propeller		Propeller		Propeller	
	Output x n		W		(620.0x2)x3		(830.0)x2 + (620.0x2)x2		830.0 + (620.0x2)x3	
	Air Flow Rate		CMM		290.0x3		220.0x2 + 290.0x2		220.0 + 255.0 + 290.0x2	
			l/s		4,833.3x3		3,666.7x2 + 4,833.3x2		3,666.7 + 4,250.0 + 4,833.3x2	
	External Static		Max.		mmAQ		8.00		8.00	
Piping Connections			Pa		78.40		78.40		78.40	
	Liquid Pipe		Ø, mm		22.22		22.22		22.22	
			Ø, inch		7/8"		7/8"		7/8"	
	Gas Pipe		Ø, mm		53.98		53.98		53.98	
			Ø, inch		2 1/8"		2 1/8"		2 1/8"	
	Discharge Gas Pipe		Ø, mm		-		-		-	
			Ø, inch		-		-		-	
	Installation Limitation	Max. Length	m		200 (220)		200 (220)		200 (220)	
		Max. Height	m		110 (110)		110 (110)		110 (110)	
Field Wiring	Power Source Wire		mm ²		-		-		-	
	Transmission Cable		mm ²		0.75 ~ 1.50		0.75 ~ 1.50		0.75 ~ 1.50	
Refrigerant	Type		-		R410A		R410A		R410A	
	Factory Charging		kg		25.20		29.80		31.00	
Sound	Pressure		dBA		70.00		70.00		70.00	
	Power		dBA		93.00		92.00		92.00	
External Dimension	Net Weight		kg		296.0x3		195.5x2 + 296.0x2		195.5 + 231.0 + 296.0x2	
	Shipping Weight		kg		315.0x3		211.5x2 + 315.0x2		211.5 + 250.0 + 315.0x2	
	Net Dimensions (WxHxD)		mm		(1,295x1,695x765)x3		(880x1,695x765)x2 + (1,295x1,695x765)x2		880x1,695x765 + (1,295x1,695x765)x3	
	Shipping Dimensions (WxHxD)		mm		(1,363x1,887x832)x3		(948x1,887x832)x2 + (1,363x1,887x832)x2		948x1,887x832 + (1,363x1,887x832)x3	
Operating Temp.	Cooling		°C		-5.0 ~ 48.0		-5.0 ~ 48.0		-5.0 ~ 48.0	
	Heating		°C		-25.0 ~ 24.0		-25.0 ~ 24.0		-25.0 ~ 24.0	

* Specifications may be subject to change without prior notice.

1) Nominal cooling capacities are based on;

- Indoor temperature : 27°C DB, 19°C WB

- Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

2) Nominal heating capacities are based on;

- Indoor temperature : 20°C DB, 15°C WB

- Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.

4) These products contain R410A which is fluorinated greenhouse gas.

5) 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.)

When the outdoor unit is below the indoor unit & the level differences are 40m or more, contact your local dealer for more information.

* PDM kit: Pressure Drop Modulation kit

2 Specifications : H/P - High EER type

Outdoor

Type			DVM S(NEW)	DVM S(NEW)	DVM S(NEW)	DVM S(NEW)
Model Name			AM740JXVHGH1EU	AM760JXVHGH1EU	AM780JXVHGH1EU	AM800JXVHGH1EU
Power Supply			Ø, #, V, Hz	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
Mode			-	HP	HP	HP
Performance	HP	Cooling	HP	74.00	76.00	78.00
			kW	207.20	212.80	218.40
	Capacity (Nominal)	Cooling	Btu/h	707,000	726,100	745,200
			kW	233.10	239.40	245.70
		Heating	Btu/h	795,400	816,900	838,400
Power	Power Input (Nominal)	Cooling 1)	kW	50.58	52.12	54.82
		Heating 2)	kW	50.90	52.38	55.14
	Current Input (Nominal)	Cooling 1)	A	81.20	83.60	88.00
		Heating 2)	A	81.50	83.90	88.30
	MCA		A	153.10	156.5	158.50
COP	EER (Nominal Cooling)		-	4.10	4.08	3.98
	COP (Nominal Heating)		-	4.58	4.57	4.46
	Energy Grade		-	ESEER 6.56	ESEER 6.55	ESEER 6.46
			-	-	-	-
Compressor	Type		-	SSC Scroll x 7	SSC Scroll x 7	SSC Scroll x 7
	Output		kW x n	(6.39) + (6.39x2) + (6.39x2)x2	(6.39) + (6.39x2)x2 + (6.39x2)	(6.39) + (6.39x2)x3
	Model Name		-	DS-GB066FAVBSGx7	DS-GB066FAVBSGx7	DS-GB066FAVBSGx7
	Oil	Type	-	PVE	PVE	PVE
Fan	Type		-	Propeller	Propeller	Propeller
	Output x n		W	830.0 + (620.0x2)x3	830.0 + (620.0x2)x3	830.0 + (620.0x2)x3
	Air Flow Rate		CMM	220.0 + 290.0x3	220.0 + 290.0x3	220.0 + 290.0x3
			l/s	3,666.7 + 4,833.3x3	3,666.7 + 4,833.3x3	3,666.7 + 4,833.3x3
	External Static	Max.	mmAQ	8.00	8.00	8.00
Piping Connections	Liquid Pipe		Pa	78.40	78.40	78.40
			Ø, mm	22.22	22.22	22.22
	Gas Pipe		Ø, mm	53.98	53.98	53.98
			Ø, inch	2 1/8"	2 1/8"	2 1/8"
	Discharge Gas Pipe		Ø, mm	-	-	-
			Ø, inch	-	-	-
	Installation Limitation	Max. Length	m	200 (220)	200 (220)	200 (220)
		Max. Height	m	110 (110)	110 (110)	110 (110)
Field Wiring	Power Source Wire		mm ²	-	-	-
	Transmission Cable		mm ²	0.75 ~ 1.50	0.75 ~ 1.50	0.75 ~ 1.50
Refrigerant	Type		-	R410A	R410A	R410A
	Factory Charging		kg	31.70	31.70	32.90
Sound	Pressure		dBA	70.00	70.00	70.00
	Power			92.00	93.00	93.00
External Dimension	Net Weight		kg	195.5 + 296.0x3	195.5 + 296.0x3	195.5 + 296.0x3
	Shipping Weight		kg	211.5 + 315.0x3	211.5 + 315.0x3	211.5 + 315.0x3
	Net Dimensions (WxHxD)		mm	880x1,695x765 + (1,295x1,695x765)x3	880x1,695x765 + (1,295x1,695x765)x3	880x1,695x765 + (1,295x1,695x765)x3
	Shipping Dimensions (WxHxD)		mm	948x1,887x832 + (1,363x1,887x832)x3	948x1,887x832 + (1,363x1,887x832)x3	948x1,887x832 + (1,363x1,887x832)x3
Operating Temp.	Cooling		°C	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0
	Heating		°C	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0

* Specifications may be subject to change without prior notice.

1) Nominal cooling capacities are based on;

- Indoor temperature : 27°C DB, 19°C WB

- Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

2) Nominal heating capacities are based on;

- Indoor temperature : 20°C DB, 15°C WB

- Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.

4) These products contain R410A which is fluorinated greenhouse gas.

5) 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.)

When the outdoor unit is below the indoor unit & the level differences are 40m or more, contact your local dealer for more information.

* PDM kit: Pressure Drop Modulation kit

2 Specifications : H/P - High EER type (Compact)

Outdoor

Type				DVM S(NEW)	DVM S(NEW)	DVM S(NEW)	DVM S(NEW)
Model Name				AM360JXVHGH2EU	AM380JXVHGH2EU	AM460JXVHGH2EU	AM480JXVHGH2EU
Power Supply			Ø, #, V, Hz	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
Mode			-	HP	HP	HP	HP
Performance	HP		HP	36.00	38.00	46.00	48.00
	Capacity (Nominal)	Cooling	kW	100.80	106.40	128.80	134.40
			Btu/h	343,900	363,100	439,500	458,600
		Heating	kW	113.40	119.70	144.90	151.20
			Btu/h	386,900	408,400	494,400	515,900
Power	Power Input (Nominal)	Cooling 1)	kW	24.67	26.87	32.35	35.05
		Heating 2)	kW	27.36	29.36	34.90	37.66
	Current Input (Nominal)	Cooling 1)	A	38.93	42.38	51.18	55.58
		Heating 2)	A	43.16	46.30	55.20	59.60
	MCA		A	80.00	83.0	100.5	102.5
	MFA		A	90.00	100.00	125.00	125.00
	COP	EER (Nominal Cooling)		-	4.09	3.96	3.98
COP (Nominal Heating)		-	4.14	4.08	4.15	4.01	
Energy Grade		-	ESEER 6.73	ESEER 6.57	ESEER 6.43	ESEER 6.29	
		-	-	-	-	-	
Compressor	Type		-	SSC Scroll x 3	SSC Scroll x 3	SSC Scroll x 4	SSC Scroll x 4
	Output		kW x n	(6.39) + (6.39x2)	(6.39) + (6.76x2)	(6.39x2) + (6.76x2)	(6.39x2) + (6.76x2)
	Model Name		-	DS-GB066FAVBSGx3	DS-GB066FAVBSGx1 + DS-GB070FAVASGx2	DS-GB066FAVBSGx2 + DS-GB070FAVASGx2	DS-GB066FAVBSGx2 + DS-GB070FAVASGx2
	Oil	Type	-	PVE	PVE	PVE	PVE
	Fan	Type		-	Propeller	Propeller	Propeller
Output x n		W	830.0 + 620.0x2	830.0 + 620.0x2	(620.0x2)x2	(620.0x2)x2	
Air Flow Rate		CMM	220.0 + 310.0	220.0 + 310.0	290.0 + 310.0	290.0 + 310.0	
		l/s	3,666.7 + 5,166.7	3,666.7 + 5,166.7	4,833.3 + 5,166.7	4,833.3 + 5,166.7	
External Static		Max.	mmAQ	8.00	8.00	8.00	8.00
			Pa	78.40	78.40	78.40	78.40
Piping Connections	Liquid Pipe		Ø, mm	19.05	19.05	19.05	19.05
			Ø, inch	3/4"	3/4"	3/4"	3/4"
	Gas Pipe		Ø, mm	41.28	41.28	41.28	41.28
			Ø, inch	1 5/8"	1 5/8"	1 5/8"	1 5/8"
	Discharge Gas Pipe		Ø, mm	-	-	-	-
			Ø, inch	-	-	-	-
	Installation Limitation	Max. Length	m	200 (220)	200 (220)	200 (220)	200 (220)
			Max. Height	m	110 (110)	110 (110)	110 (110)
Field Wiring	Power Source Wire			mm²	-	-	-
	Transmission Cable		mm²	0.75 ~ 1.50	0.75 ~ 1.50	0.75 ~ 1.50	0.75 ~ 1.50
Refrigerant	Type		-	R410A	R410A	R410A	R410A
	Factory Charging		kg	20.80	20.80	22.70	22.70
Sound	Pressure		dBA	68.00	68.00	69.00	69.00
	Power			91.00	91.00	92.00	93.00
External Dimension	Net Weight		kg	195.5 + 356.0	195.5 + 356.0	296.0 + 356.0	296.0 + 356.0
	Shipping Weight		kg	211.5 + 371.0	211.5 + 371.0	315.0 + 371.0	315.0 + 371.0
	Net Dimensions (WxHxD)		mm	880x1,695x765 + 1,295x1,695x765	880x1,695x765 + 1,295x1,695x765	(1,295x1,695x765)x2	(1,295x1,695x765)x2
	Shipping Dimensions (WxHxD)		mm	948x1,887x832 + 1,363x1,887x832	948x1,887x832 + 1,363x1,887x832	(1,363x1,887x832)x2	(1,363x1,887x832)x2
Operating Temp.	Cooling		°C	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0
	Heating		°C	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0

* Specifications may be subject to change without prior notice.

1) Nominal cooling capacities are based on;

- Indoor temperature : 27°C DB, 19°C WB

- Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

2) Nominal heating capacities are based on;

- Indoor temperature : 20°C DB, 15°C WB

- Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.

4) These products contain R410A which is fluorinated greenhouse gas.

5) 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.)

When the outdoor unit is below the indoor unit & the level differences are 40m or more, contact your local dealer for more information.

* PDM kit: Pressure Drop Modulation kit

2 Specifications : H/P - High EER type (Compact)

Outdoor

Type				DVM S(NEW)	DVM S(NEW)	DVM S(NEW)	DVM S(NEW)
Model Name				AM500JXVHGH2EU	AM520JXVHGH2EU	AM580JXVHGH2EU	AM600JXVHGH2EU
Power Supply			Ø, #, V, Hz	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
Mode			-	HP	HP	HP	HP
Performance	HP		HP	50.00	52.00	58.00	60.00
	Capacity (Nominal)	Cooling	kW	140.00	145.60	162.40	168.00
			Btu/h	477,700	496,800	554,100	573,200
		Heating	kW	157.50	163.80	182.70	189.00
			Btu/h	537,400	558,900	623,400	644,900
Power	Power Input (Nominal)	Cooling 1)	kW	36.40	38.60	39.92	42.62
		Heating 2)	kW	41.60	43.60	42.46	45.22
	Current Input (Nominal)	Cooling 1)	A	57.11	60.56	63.28	67.68
		Heating 2)	A	65.26	68.40	67.30	71.70
	MCA		A	113.00	116.00	125.50	127.5
	MFA		A	125.00	150.00	150.00	150.00
	COP	EER (Nominal Cooling)		-	3.85	3.77	4.07
COP (Nominal Heating)		-	3.79	3.76	4.30	4.18	
Energy Grade		-	ESEER 6.37	ESEER 6.26	ESEER 6.60	ESEER 6.48	
		-	-	-	-	-	
Compressor	Type		-	SSC Scroll x 4	SSC Scroll x 4	SSC Scroll x 5	SSC Scroll x 5
	Output		kW x n	(6.39x2) + (6.76x2)	(6.76x2)x2	(6.39) + (6.39x2) + (6.76x2)	(6.39) + (6.39x2) + (6.76x2)
	Model Name		-	DS-GB066FAVBSGx2 + DS-GB070FAVASGx2	DS-GB070FAVASGx4	DS-GB066FAVBSGx3 + DS-GB070FAVASGx2	DS-GB066FAVBSGx3 + DS-GB070FAVASGx2
	Oil	Type	-	PVE	PVE	PVE	PVE
	Type		-	PVE	PVE	PVE	PVE
Fan	Type		-	Propeller	Propeller	Propeller	Propeller
	Output x n		W	(620.0x2)x2	(620.0x2)x2	830.0 + (620.0x2)x2	830.0 + (620.0x2)x2
	Air Flow Rate		CMM	310.0x2	310.0x2	220.0 + 290.0 + 310.0	220.0 + 290.0 + 310.0
			l/s	5,166.7x2	5,166.7x2	3,666.7 + 4,833.3 + 5,166.7	3,666.7 + 4,833.3 + 5,166.7
	External Static	Max.	mmAQ	8.00	8.00	8.00	8.00
			Pa	78.40	78.40	78.40	78.40
Piping Connections	Liquid Pipe		Ø, mm	19.05	19.05	19.05	19.05
			Ø, inch	3/4"	3/4"	3/4"	3/4"
	Gas Pipe		Ø, mm	41.28	41.28	41.28	41.28
			Ø, inch	1 5/8"	1 5/8"	1 5/8"	1 5/8"
	Discharge Gas Pipe		Ø, mm	-	-	-	-
			Ø, inch	-	-	-	-
	Installation Limitation	Max. Length	m	200 (220)	200 (220)	200 (220)	200 (220)
			Max. Height	m	110 (110)	110 (110)	110 (110)
Power Source Wire		mm²		-	-	-	-
Transmission Cable		mm²	0.75 ~ 1.50	0.75 ~ 1.50	0.75 ~ 1.50	0.75 ~ 1.50	
Refrigerant	Type		-	R410A	R410A	R410A	R410A
	Factory Charging		kg	28.60	28.60	29.20	29.20
Sound	Pressure		dBA	70.00	70.00	70.00	70.00
	Power			93.00	93.00	93.00	93.00
External Dimension	Net Weight		kg	356.0x2	356.0x2	195.5 + 296.0 + 356.0	195.5 + 296.0 + 356.0
	Shipping Weight		kg	371.0x2	371.0x2	211.5 + 315.0 + 371.0	211.5 + 315.0 + 371.0
	Net Dimensions (WxHxD)		mm	(1,295x1,695x765)x2	(1,295x1,695x765)x2	880x1,695x765 + (1,295x1,695x765)x2	880x1,695x765 + (1,295x1,695x765)x2
	Shipping Dimensions (WxHxD)		mm	(1,363x1,887x832)x2	(1,363x1,887x832)x2	948x1,887x832 + (1,363x1,887x832)x2	948x1,887x832 + (1,363x1,887x832)x2
Operating Temp.	Cooling		°C	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0
	Heating		°C	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0

* Specifications may be subject to change without prior notice.

1) Nominal cooling capacities are based on;

- Indoor temperature : 27°C DB, 19°C WB

- Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

2) Nominal heating capacities are based on;

- Indoor temperature : 20°C DB, 15°C WB

- Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.

4) These products contain R410A which is fluorinated greenhouse gas.

5) 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.)

When the outdoor unit is below the indoor unit & the level differences are 40m or more, contact your local dealer for more information.

* PDM kit: Pressure Drop Modulation kit

2 Specifications : H/P - High EER type (Compact)

Outdoor

Type			DVM S(NEW)		DVM S(NEW)		DVM S(NEW)		DVM S(NEW)	
Model Name			AM620JXVHGH2EU		AM640JXVHGH2EU		AM680JXVHGH2EU		AM700JXVHGH2EU	
Power Supply			Ø, #, V, Hz		3,4,380-415,50		3,4,380-415,50		3,4,380-415,50	
Mode			-		HP		HP		HP	
Performance	HP	Capacity (Nominal)	Cooling	Heating	HP		HP		HP	
					kW		kW		kW	
					Btu/h		Btu/h		Btu/h	
					kW		kW		kW	
Power	Power Input (Nominal)	Cooling 1)	Heating 2)	A	43.97		46.17		48.60	
					49.16		51.16		51.52	
					69.21		72.66		77.43	
					77.36		80.50		81.86	
COP	MCA	A	-	-	138.00		141.00		144.00	
					175.00		175.00		175.00	
					3.95		3.88		3.92	
					3.97		3.94		4.16	
Compressor	Type	Output	kW x n	-	SSC Scroll x 5		SSC Scroll x 5		SSC Scroll x 6	
					(6.39) + (6.39x2) + (6.76x2)		(6.39) + (6.76x2)x2		(6.39x2)x2 + (6.39x2)	
					DS-GB066FAVBSGx3 + DS-GB070FAVASGx2		DS-GB066FAVBSGx1 + DS-GB070FAVASGx4		DS-GB066FAVBSGx6	
					PVE		PVE		PVE	
Fan	Type	Output x n	W	-	Propeller		Propeller		Propeller	
					830.0 + (620.0x2)x2		830.0 + (620.0x2)x2		(620.0x2)x3	
					220.0 + 310.0x2		220.0 + 310.0x2		290.0x2 + 310.0	
					3,666.7 + 5,166.7x2		3,666.7 + 5,166.7x2		4,833.3x2 + 5,166.7	
Piping Connections	Liquid Pipe	Ø, mm	inch	-	22.22		22.22		22.22	
					7/8"		7/8"		7/8"	
					53.98		53.98		53.98	
					2 1/8"		2 1/8"		2 1/8"	
External Dimension	Gas Pipe	Ø, mm	inch	-	-		-		-	
					-		-		-	
					200 (220)		200 (220)		200 (220)	
					110 (110)		110 (110)		110 (110)	
Field Wiring	Power Source Wire	mm ²	-	-	-		-		-	
					0.75 ~ 1.50		0.75 ~ 1.50		0.75 ~ 1.50	
					R410A		R410A		R410A	
					35.10		35.10		31.10	
Sound	Pressure	dBA	-	-	71.00		71.00		71.00	
					94.00		94.00		94.00	
					195.5 + 356.0x2		195.5 + 356.0x2		296.0x2 + 356.0	
					211.5 + 371.0x2		211.5 + 371.0x2		315.0x2 + 371.0	
Operating Temp.	Cooling	°C	-	-	880x1,695x765 + (1,295x1,695x765)x2		880x1,695x765 + (1,295x1,695x765)x2		(1,295x1,695x765)x3	
					948x1,887x832 + (1,363x1,887x832)x2		948x1,887x832 + (1,363x1,887x832)x2		(1,363x1,887x832)x3	
					-5.0 ~ 48.0		-5.0 ~ 48.0		-5.0 ~ 48.0	
					-25.0 ~ 24.0		-25.0 ~ 24.0		-25.0 ~ 24.0	

* Specifications may be subject to change without prior notice.

1) Nominal cooling capacities are based on;

- Indoor temperature : 27°C DB, 19°C WB

- Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

2) Nominal heating capacities are based on;

- Indoor temperature : 20°C DB, 15°C WB

- Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.

4) These products contain R410A which is fluorinated greenhouse gas.

5) 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.)

When the outdoor unit is below the indoor unit & the level differences are 40m or more, contact your local dealer for more information.

* PDM kit: Pressure Drop Modulation kit

2 Specifications : H/P - High EER type (Compact)

Outdoor

Type				DVM S(NEW)		DVM S(NEW)		DVM S(NEW)		DVM S(NEW)	
Model Name				AM720JXVHGH2EU		AM740JXVHGH2EU		AM760JXVHGH2EU		AM780JXVHGH2EU	
Power Supply				Ø, #, V, Hz		3,4,380-415,50		3,4,380-415,50		3,4,380-415,50	
Mode				-		HP		HP		HP	
Performance	HP			HP		72.00		74.00		76.00	
	Capacity (Nominal)	Cooling	kW		201.60		207.20		212.80		
			Btu/h		687,900		707,000		726,100		
		Heating	kW		226.80		233.10		239.40		
			Btu/h		773,900		795,400		816,900		
Power	Power Input (Nominal)	Cooling 1)	kW		52.15		54.35		55.70		
		Heating 2)	kW		57.46		59.46		63.40		
	Current Input (Nominal)	Cooling 1)	A		82.41		85.86		87.39		
		Heating 2)	A		90.66		93.80		99.46		
	MCA		A		157.50		160.50		171.0		
	MFA		A		175.00		200.00		200.00		
COP	EER (Nominal Cooling)			-		3.87		3.81		3.82	
	COP (Nominal Heating)			-		3.95		3.92		3.78	
	Energy Grade			-		ESEER 6.35		ESEER 6.28		ESEER 6.33	
				-		-		-		-	
Compressor	Type			-		SSC Scroll x 6		SSC Scroll x 6		SSC Scroll x 6	
	Output			kW x n		(6.39x2) + (6.39x2) + (6.76x2)		(6.39x2) + (6.76x2)x2		(6.39x2) + (6.76x2)x2	
	Model Name			-		DS-GB066FAVBSGx4 + DS-GB070FAVASGx2		DS-GB066FAVBSGx2 + DS-GB070FAVASGx4		DS-GB066FAVBSGx2 + DS-GB070FAVASGx4	
	Oil		Type	-		PVE		PVE		PVE	
Fan	Type			-		Propeller		Propeller		Propeller	
	Output x n			W		(620.0x2)x3		(620.0x2)x3		(620.0x2)x3	
	Air Flow Rate			CMM		290.0 + 310.0x2		290.0 + 310.0x2		310.0x3	
				l/s		4,833.3 + 5,166.7x2		4,833.3 + 5,166.7x2		5,166.7x3	
	External Static		Max.	mmAQ		8.00		8.00		8.00	
				Pa		78.40		78.40		78.40	
Piping Connections	Liquid Pipe			Ø, mm		22.22		22.22		22.22	
				Ø, inch		7/8"		7/8"		7/8"	
	Gas Pipe			Ø, mm		53.98		53.98		53.98	
				Ø, inch		2 1/8"		2 1/8"		2 1/8"	
	Discharge Gas Pipe			Ø, mm		-		-		-	
				Ø, inch		-		-		-	
	Installation Limitation		Max. Length	m		200 (220)		200 (220)		200 (220)	
				m		110 (110)		110 (110)		110 (110)	
	Field Wiring	Power Source Wire			mm²		-		-		-
Transmission Cable			mm²		0.75 ~ 1.50		0.75 ~ 1.50		0.75 ~ 1.50		
Refrigerant	Type			-		R410A		R410A		R410A	
	Factory Charging			kg		37.00		37.00		42.90	
Sound	Pressure			dBA		71.00		71.00		72.00	
	Power					95.00		95.00		96.00	
External Dimension	Net Weight			kg		296.0 + 356.0x2		296.0 + 356.0x2		356.0x3	
	Shipping Weight			kg		315.0 + 371.0x2		315.0 + 371.0x2		371.0x3	
	Net Dimensions (WxHxD)			mm		(1,295x1,695x765)x3		(1,295x1,695x765)x3		(1,295x1,695x765)x3	
	Shipping Dimensions (WxHxD)			mm		(1,363x1,887x832)x3		(1,363x1,887x832)x3		(1,363x1,887x832)x3	
Operating Temp.	Cooling			°C		-5.0 ~ 48.0		-5.0 ~ 48.0		-5.0 ~ 48.0	
	Heating			°C		-25.0 ~ 24.0		-25.0 ~ 24.0		-25.0 ~ 24.0	

2 Specifications : H/P - Standard type

Outdoor

Type			DVM S(NEW)		DVM S(NEW)		DVM S(NEW)		DVM S(NEW)		
Model Name			AM080JXVAGH/EU		AM100JXVAGH/EU		AM120JXVAGH/EU		AM140JXVAGH/EU		
Power Supply			Ø, #, V, Hz	3,4,380-415,50		3,4,380-415,50		3,4,380-415,50		3,4,380-415,50	
Mode			-	HP		HP		HP		HP	
Performance	HP		HP	8.00		10.00		12.00		14.00	
	Capacity (Nominal)	Cooling	kW	22.40		28.00		33.60		40.00	
			Btu/h	76,400		95,500		114,600		136,500	
		Heating	kW	25.20		31.50		37.80		45.00	
			Btu/h	86,000		107,500		129,000		153,500	
Power	Power Input (Nominal)	Cooling 1)	kW	5.00		6.85		8.16		10.93	
		Heating 2)	kW	5.10		6.65		8.03		10.15	
	Current Input (Nominal)	Cooling 1)	A	8.00		11.00		13.10		17.50	
		Heating 2)	A	8.20		10.70		12.90		16.30	
	MCA		A	18.00		21.10		25.00		25.00	
	MFA		A	25.00		32.00		32.00		32.00	
COP	EER (Nominal Cooling)		-	4.48		4.09		4.12		3.66	
	COP (Nominal Heating)		-	4.94		4.74		4.71		4.43	
	Energy Grade		-	ESEER 7.85		ESEER 7.25		ESEER 7.03		ESEER 7.02	
			-	-		-		-		-	
Compressor	Type		-	SSC Scroll x 1		SSC Scroll x 1		SSC Scroll x 1		SSC Scroll x 1	
	Output		kW x n	(4.39)		(6.39)		(6.39)		(6.39)	
	Model Name		-	DS-GA046FAVAX1		DS-GB066FAVBx1		DS-GB066FAVBx1		DS-GB066FAVBx1	
	Oil	Type	-	PVE		PVE		PVE		PVE	
			-	PVE		PVE		PVE		PVE	
Fan	Type		-	Propeller		Propeller		Propeller		Propeller	
	Output x n		W	830.0		830.0		830.0		620.0x2	
	Air Flow Rate		CMM	170		170		220		255	
			l/s	2,833.33		2,833.33		3,666.67		4,250.00	
	External Static	Max.	mmAQ	8.00		8.00		8.00		8.00	
			Pa	78.40		78.40		78.40		78.40	
Piping Connections	Liquid Pipe		Ø, mm	9.52		9.52		12.70		12.70	
			Ø, inch	3/8"		3/8"		1/2"		1/2"	
	Gas Pipe		Ø, mm	19.05		22.22		28.58		28.58	
			Ø, inch	3/4"		7/8"		1 1/8"		1 1/8"	
	Discharge Gas Pipe		Ø, mm	-		-		-		-	
			Ø, inch	-		-		-		-	
	Installation Limitation	Max. Length	m	200 (220)		200 (220)		200 (220)		200 (220)	
			Max. Height	m	110 (110)		110 (110)		110 (110)		110 (110)
Field Wiring	Power Source Wire		mm²	-		-		-		-	
	Transmission Cable		mm²	0.75 ~ 1.50		0.75 ~ 1.50		0.75 ~ 1.50		0.75 ~ 1.50	
Refrigerant	Type		-	R410A		R410A		R410A		R410A	
	Factory Charging		kg	5.50		5.50		6.50		7.70	
Sound	Pressure		dBA	57.00		58.00		62.00		61.00	
	Power			77.00		79.00		81.00		81.00	
External Dimension	Net Weight		kg	186.0		197.0		210.0		239.0	
	Shipping Weight		kg	202.0		213.0		223.0		258.0	
	Net Dimensions (WxHxD)		mm	880x1,695x765		880x1,695x765		880x1,695x765		1,295x1,695x765	
	Shipping Dimensions (WxHxD)		mm	948x1,887x832		948x1,887x832		948x1,887x832		1,363x1,887x832	
Operating Temp.	Cooling		°C	-5.0 ~ 48.0		-5.0 ~ 48.0		-5.0 ~ 48.0		-5.0 ~ 48.0	
	Heating		°C	-25.0 ~ 24.0		-25.0 ~ 24.0		-25.0 ~ 24.0		-25.0 ~ 24.0	

* Specifications may be subject to change without prior notice.

1) Nominal cooling capacities are based on;

- Indoor temperature : 27°C DB, 19°C WB

- Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

2) Nominal heating capacities are based on;

- Indoor temperature : 20°C DB, 15°C WB

- Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.

4) These products contain R410A which is fluorinated greenhouse gas.

5) 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.)

When the outdoor unit is below the indoor unit & the level differences are 40m or more, contact your local dealer for more information.

* PDM kit: Pressure Drop Modulation kit

2 Specifications : H/P - Standard type

Outdoor

Type			DVM S(NEW)	DVM S(NEW)	DVM S(NEW)	DVM S(NEW)
Model Name			AM160JXVAGH/EU	AM180JXVAGH/EU	AM200JXVAGH/EU	AM220JXVAGH/EU
Power Supply			Ø, #, V, Hz	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
Mode			-	HP	HP	HP
Performance	HP		HP	16.00	18.00	20.00
	Capacity (Nominal)	Cooling	kW	45.00	50.40	56.00
			Btu/h	153,500	172,000	191,100
		Heating	kW	50.40	56.70	63.00
			Btu/h	172,000	193,500	215,000
Power	Power Input (Nominal)	Cooling 1)	kW	11.98	12.45	14.59
		Heating 2)	kW	11.60	11.90	13.90
	Current Input (Nominal)	Cooling 1)	A	19.20	20.00	23.40
		Heating 2)	A	18.60	19.10	22.30
	MCA		A	32.00	39.10	42.50
COP	MFA		A	40.00	50.00	63.00
	EER (Nominal Cooling)		-	3.76	4.05	3.84
	COP (Nominal Heating)		-	4.34	4.76	4.53
	Energy Grade		-	ESEER 6.78	ESEER 6.59	ESEER 6.56
			-	-	-	-
Compressor	Type		-	SSC Scroll x 2	SSC Scroll x 2	SSC Scroll x 2
	Output		kW x n	(4.39 x 2)	(6.39 x 2)	(6.39 x 2)
	Model Name		-	DS-GA046FAVAX2	DS-GB066FAVBx2	DS-GB066FAVBx2
	Oil	Type	-	PVE	PVE	PVE
			-	PVE	PVE	PVE
Fan	Type		-	Propeller	Propeller	Propeller
	Output x n		W	620.0x2	620.0x2	620.0x2
	Air Flow Rate		CMM	255	290	290
			l/s	4,250.00	4,833.33	4,833.33
	External Static	Max.	mmAQ	8.00	8.00	8.00
Piping Connections	Liquid Pipe		Ø, mm	12.70	15.88	15.88
			Ø, inch	1/2"	5/8"	5/8"
	Gas Pipe		Ø, mm	28.58	28.58	28.58
			Ø, inch	1 1/8"	1 1/8"	1 1/8"
	Discharge Gas Pipe		Ø, mm	-	-	-
			Ø, inch	-	-	-
	Installation Limitation	Max. Length	m	200 (220)	200 (220)	200 (220)
		Max. Height	m	110 (110)	110 (110)	110 (110)
Field Wiring	Power Source Wire		mm ²	-	-	-
	Transmission Cable		mm ²	0.75 ~ 1.50	0.75 ~ 1.50	0.75 ~ 1.50
Refrigerant	Type		-	R410A	R410A	R410A
	Factory Charging		kg	7.70	8.40	8.40
Sound	Pressure		dBA	63.00	64.00	65.00
	Power			83.00	86.00	89.00
External Dimension	Net Weight		kg	269.0	307.0	307.0
	Shipping Weight		kg	288.0	326.0	326.0
	Net Dimensions (WxHxD)		mm	1,295x1,695x765	1,295x1,695x765	1,295x1,695x765
	Shipping Dimensions (WxHxD)		mm	1,363x1,887x832	1,363x1,887x832	1,363x1,887x832
Operating Temp.	Cooling		°C	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0
	Heating		°C	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0

* Specifications may be subject to change without prior notice.

1) Nominal cooling capacities are based on;

- Indoor temperature : 27°C DB, 19°C WB

- Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

2) Nominal heating capacities are based on;

- Indoor temperature : 20°C DB, 15°C WB

- Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.

4) These products contain R410A which is fluorinated greenhouse gas.

5) 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.)

When the outdoor unit is below the indoor unit & the level differences are 40m or more, contact your local dealer for more information.

* PDM kit: Pressure Drop Modulation kit

2 Specifications : H/P - Standard type

Outdoor

Type			DVM S(NEW)		DVM S(NEW)		DVM S(NEW)		DVM S(NEW)		
Model Name			AM240HXVAGH/EU		AM260HXVAGH/EU		AM280JXVAGH1EU		AM300JXVAGH1EU		
Power Supply			Ø, #, V, Hz	3,4,380-415,50		3,4,380-415,50		3,4,380-415,50		3,4,380-415,50	
Mode			-	HP		HP		HP		HP	
Performance	HP		HP	24.00		26.00		28.00		30.00	
	Capacity (Nominal)	Cooling	kW	67.20		72.80		78.60		84.00	
			Btu/h	229,300		248,400		268,200		286,600	
		Heating	kW	75.60		81.90		88.20		94.50	
			Btu/h	258,000		279,500		301,000		322,400	
Power	Power Input (Nominal)	Cooling 1)	kW	17.10		19.30		20.14		20.61	
		Heating 2)	kW	19.80		21.80		19.63		19.93	
	Current Input (Nominal)	Cooling 1)	A	26.83		30.28		32.30		33.10	
		Heating 2)	A	31.06		34.20		31.50		32.00	
	MCA		A	55.00		58.00		57.0		64.10	
	MFA		A	63.00		63.00		63.00		75.00	
COP	EER (Nominal Cooling)		-	3.93		3.77		3.90		4.08	
	COP (Nominal Heating)		-	3.82		3.76		4.49		4.74	
	Energy Grade		-	ESEER 6.48		ESEER 6.26		ESEER 6.89		ESEER 6.77	
			-	-		-		-		-	
Compressor	Type		-	SSC Scroll x 2		SSC Scroll x 2		SSC Scroll x 3		SSC Scroll x 3	
	Output		kW x n	(6.39 x 2)		(6.76 x 2)		(6.39) + (4.39x2)		(6.39) + (6.39x2)	
	Model Name		-	DS-GB066FAVBSGx2		DS-GB070FAVASGx2		DS-GB066FAVBx1 + DS-GA046FAVAX2		DS-GB066FAVBx3	
	Oil	Type	-	PVE		PVE		PVE		PVE	
			-	PVE		PVE		PVE		PVE	
Fan	Type		-	Propeller		Propeller		Propeller		Propeller	
	Output x n		W	620.0x2		620.0x2		830.0 + 620.0x2		830.0 + 620.0x2	
	Air Flow Rate		CMM	310		310		220.0 + 255.0		220.0 + 290.0	
			l/s	5,166.67		5,166.67		3,666.7 + 4,250.0		3,666.7 + 4,833.3	
	External Static	Max.	mmAQ	8.00		8.00		8.00		8.00	
			Pa	78.40		78.40		78.40		78.40	
Piping Connections	Liquid Pipe		Ø, mm	15.88		19.05		19.05		19.05	
			Ø, inch	5/8"		3/4"		3/4"		3/4"	
	Gas Pipe		Ø, mm	34.92		34.92		34.92		34.92	
			Ø, inch	1 3/8"		1 3/8"		1 3/8"		1 3/8"	
	Discharge Gas Pipe		Ø, mm	-		-		-		-	
			Ø, inch	-		-		-		-	
	Installation Limitation	Max. Length	m	200 (220)		200 (220)		200 (220)		200 (220)	
			Max. Height	m	110 (110)		110 (110)		110 (110)		110 (110)
Field Wiring	Power Source Wire		mm²	-		-		-		-	
	Transmission Cable		mm²	0.75 ~ 1.50		0.75 ~ 1.50		0.75 ~ 1.50		0.75 ~ 1.50	
Refrigerant	Type		-	R410A		R410A		R410A		R410A	
	Factory Charging		kg	14.30		14.30		14.20		14.90	
Sound	Pressure		dBA	67.00		67.00		66.00		66.00	
	Power			91.00		91.00		85.00		87.00	
External Dimension	Net Weight		kg	356.0		356.0		210.0 + 269.0		210.0 + 307.0	
	Shipping Weight		kg	371.0		371.0		223.0 + 288.0		223.0 + 326.0	
	Net Dimensions (WxHxD)		mm	1,295x1,695x765		1,295x1,695x765		880x1,695x765 + 1,295x1,695x765		880x1,695x765 + 1,295x1,695x765	
	Shipping Dimensions (WxHxD)		mm	1,363x1,887x832		1,363x1,887x832		948x1,887x832 + 1,363x1,887x832		948x1,887x832 + 1,363x1,887x832	
Operating Temp.	Cooling		°C	-5.0 ~ 48.0		-5.0 ~ 48.0		-5.0 ~ 48.0		-5.0 ~ 48.0	
	Heating		°C	-25.0 ~ 24.0		-25.0 ~ 24.0		-25.0 ~ 24.0		-25.0 ~ 24.0	

* Specifications may be subject to change without prior notice.

1) Nominal cooling capacities are based on;

- Indoor temperature : 27°C DB, 19°C WB

- Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

2) Nominal heating capacities are based on;

- Indoor temperature : 20°C DB, 15°C WB

- Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.

4) These products contain R410A which is fluorinated greenhouse gas.

5) 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.)

When the outdoor unit is below the indoor unit & the level differences are 40m or more, contact your local dealer for more information.

* PDM kit: Pressure Drop Modulation kit

2 Specifications : H/P - Standard type

Outdoor

Type			DVM S(NEW)	DVM S(NEW)	DVM S(NEW)	DVM S(NEW)
Model Name			AM320JXVAGH1EU	AM340JXVAGH1EU	AM360JXVAGH1EU	AM380JXVAGH1EU
Power Supply			Ø, #, V, Hz	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
Mode			-	HP	HP	HP
Performance	HP		HP	32.00	34.00	36.00
	Capacity (Nominal)	Cooling	kW	89.60	95.20	101.60
			Btu/h	305,700	324,800	346,700
		Heating	kW	100.80	107.10	114.30
			Btu/h	343,900	365,400	390,000
Power	Power Input (Nominal)	Cooling 1)	kW	22.75	25.51	28.28
		Heating 2)	kW	21.93	24.73	26.85
	Current Input (Nominal)	Cooling 1)	A	36.50	40.90	45.30
		Heating 2)	A	35.20	39.70	43.10
	MCA		A	67.50	69.5	69.50
COP	MFA		A	75.00	80.00	80.00
	EER (Nominal Cooling)		-	3.94	3.73	3.59
	COP (Nominal Heating)		-	4.60	4.33	4.26
	Energy Grade		-	ESEER 6.74	ESEER 6.53	ESEER 6.55
Compressor	Type		-	SSC Scroll x 3	SSC Scroll x 3	SSC Scroll x 3
	Output		kW x n	(6.39) + (6.39x2)	(6.39) + (6.39x2)	(6.39) + (6.39x2)
	Model Name		-	DS-GB066FAVBx3	DS-GB066FAVBx3	DS-GB066FAVBx3
	Oil	Type	-	PVE	PVE	PVE
Fan	Type		-	Propeller	Propeller	Propeller
	Output x n		W	830.0 + 620.0x2	830.0 + 620.0x2	(620.0x2)x2
	Air Flow Rate		CMM	220.0 + 290.0	220.0 + 290.0	255.0 + 290.0
			l/s	3,666.7 + 4,833.3	3,666.7 + 4,833.3	4,250.0 + 4,833.3
Piping Connections	External Static	Max.	mmAQ	8.00	8.00	8.00
			Pa	78.40	78.40	78.40
	Liquid Pipe		Ø, mm	19.05	19.05	19.05
			Ø, inch	3/4"	3/4"	3/4"
	Gas Pipe		Ø, mm	34.92	34.92	41.28
			Ø, inch	1 3/8"	1 3/8"	1 5/8"
	Discharge Gas Pipe		Ø, mm	-	-	-
			Ø, inch	-	-	-
Installation Limitation	Max. Length		m	200 (220)	200 (220)	200 (220)
			m	110 (110)	110 (110)	110 (110)
	Max. Height		m	110 (110)	110 (110)	110 (110)
Field Wiring	Power Source Wire		mm ²	-	-	-
	Transmission Cable		mm ²	0.75 ~ 1.50	0.75 ~ 1.50	0.75 ~ 1.50
Refrigerant	Type		-	R410A	R410A	R410A
	Factory Charging		kg	14.90	14.90	16.10
Sound	Pressure		dBA	67.00	67.00	67.00
	Power		dBA	88.00	90.00	90.00
External Dimension	Net Weight		kg	210.0 + 307.0	210.0 + 307.0	239.0 + 307.0
	Shipping Weight		kg	223.0 + 326.0	223.0 + 326.0	258.0 + 326.0
	Net Dimensions (WxHxD)		mm	880x1,695x765 + 1,295x1,695x765	880x1,695x765 + 1,295x1,695x765	(1,295x1,695x765)x2
	Shipping Dimensions (WxHxD)		mm	948x1,887x832 + 1,363x1,887x832	948x1,887x832 + 1,363x1,887x832	(1,363x1,887x832)x2
Operating Temp.	Cooling		°C	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0
	Heating		°C	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0

* Specifications may be subject to change without prior notice.

1) Nominal cooling capacities are based on;

- Indoor temperature : 27°C DB, 19°C WB

- Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

2) Nominal heating capacities are based on;

- Indoor temperature : 20°C DB, 15°C WB

- Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.

4) These products contain R410A which is fluorinated greenhouse gas.

5) 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.)

When the outdoor unit is below the indoor unit & the level differences are 40m or more, contact your local dealer for more information.

* PDM kit: Pressure Drop Modulation kit

2 Specifications : H/P - Standard type

Outdoor

Type			DVM S(NEW)	DVM S(NEW)	DVM S(NEW)	DVM S(NEW)
Model Name			AM400JXVAGH1EU	AM420JXVAGH1EU	AM440JXVAGH1EU	AM460JXVAGH1EU
Power Supply			Ø, #, V, Hz	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
Mode			-	HP	HP	HP
Performance	HP		HP	40.00	42.00	44.00
	Capacity (Nominal)	Cooling	kW	112.80	117.60	123.20
			Btu/h	384,900	401,300	420,400
		Heating	kW	126.90	132.30	138.60
			Btu/h	433,000	451,400	472,900
Power	Power Input (Nominal)	Cooling 1)	kW	30.23	31.94	34.70
		Heating 2)	kW	31.95	30.60	33.40
	Current Input (Nominal)	Cooling 1)	A	47.78	51.20	55.60
		Heating 2)	A	50.50	49.10	53.60
	MCA		A	83.00	87.00	89.00
COP	MFA		A	100.00	100.00	100.00
	EER (Nominal Cooling)		-	3.73	3.68	3.55
	COP (Nominal Heating)		-	3.97	4.32	4.15
	Energy Grade		-	ESEER 6.53	ESEER 6.40	ESEER 6.25
			-	-	-	-
Compressor	Type		-	SSC Scroll x 3	SSC Scroll x 4	SSC Scroll x 4
	Output		kW x n	(6.39) + (6.76x2)	(6.39x2) + (6.39x2)	(6.39x2)x2
	Model Name		-	DS-GB066FAVBx1 + DS-GB070FAVASGx2	DS-GB066FAVBx4	DS-GB066FAVBx4
	Oil	Type	-	PVE	PVE	PVE
			-	PVE	PVE	PVE
Fan	Type		-	Propeller	Propeller	Propeller
	Output x n		W	(620.0x2)x2	(620.0x2)x2	(620.0x2)x2
	Air Flow Rate		CMM	255.0 + 310.0	290.0x2	290.0x2
			l/s	4,250.0 + 5,166.7	4,833.3x2	4,833.3x2
	External Static	Max.	mmAQ	8.00	8.00	8.00
Piping Connections	Liquid Pipe		Ø, mm	19.05	19.05	19.05
			Ø, inch	3/4"	3/4"	3/4"
	Gas Pipe		Ø, mm	41.28	41.28	41.28
			Ø, inch	1 5/8"	1 5/8"	1 5/8"
	Discharge Gas Pipe		Ø, mm	-	-	-
			Ø, inch	-	-	-
	Installation Limitation	Max. Length	m	200 (220)	200 (220)	200 (220)
		Max. Height	m	110 (110)	110 (110)	110 (110)
Field Wiring	Power Source Wire		mm ²	-	-	-
	Transmission Cable		mm ²	0.75 ~ 1.50	0.75 ~ 1.50	0.75 ~ 1.50
Refrigerant	Type		-	R410A	R410A	R410A
	Factory Charging		kg	22.00	16.80	16.80
Sound	Pressure		dBA	68.00	69.00	69.00
	Power			91.00	91.00	92.00
External Dimension	Net Weight		kg	239.0 + 356.0	307.0x2	307.0x2
	Shipping Weight		kg	258.0 + 371.0	326.0x2	326.0x2
	Net Dimensions (WxHxD)		mm	(1,295x1,695x765)x2	(1,295x1,695x765)x2	(1,295x1,695x765)x2
	Shipping Dimensions (WxHxD)		mm	(1,363x1,887x832)x2	(1,363x1,887x832)x2	(1,363x1,887x832)x2
Operating Temp.	Cooling		°C	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0
	Heating		°C	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0

* Specifications may be subject to change without prior notice.

1) Nominal cooling capacities are based on;

- Indoor temperature : 27°C DB, 19°C WB

- Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

2) Nominal heating capacities are based on;

- Indoor temperature : 20°C DB, 15°C WB

- Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.

4) These products contain R410A which is fluorinated greenhouse gas.

5) 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.)

When the outdoor unit is below the indoor unit & the level differences are 40m or more, contact your local dealer for more information.

* PDM kit: Pressure Drop Modulation kit

2 Specifications : H/P - Standard type

Outdoor

Type			DVM S(NEW)		DVM S(NEW)		DVM S(NEW)		DVM S(NEW)	
Model Name			AM480JXVAGH1EU		AM500JXVAGH1EU		AM520JXVAGH1EU		AM540JXVAGH1EU	
Power Supply			Ø, #, V, Hz		3,4,380-415,50		3,4,380-415,50		3,4,380-415,50	
Mode			-		HP		HP		HP	
Performance	HP	Capacity (Nominal)	Cooling	kW	48.00		50.00		52.00	
					135.20		140.20		145.60	
					461,300		478,400		496,800	
					152.10		157.50		163.80	
Power	Power Input (Nominal)	Cooling 1)	kW	34.88	36.44		37.49		37.96	
					58.40		60.10		60.90	
					56.00		58.30		58.80	
					94.50		101.50		108.60	
COP	MCA	MFA	A	125.00	125.00		125.00		125.00	
					3.71		3.74		3.84	
					4.36		4.34		4.47	
					ESEER 6.67		ESEER 6.61		ESEER 6.55	
Compressor	Type	Output	kW x n	(6.39) + (6.39) + (6.39x2)	SSC Scroll x 4		SSC Scroll x 5		SSC Scroll x 5	
					(6.39) + (4.39x2) + (6.39x2)		(6.39) + (6.39x2) + (6.39x2)		(6.39) + (6.39x2) + (6.39x2)	
					DS-GB066FAVBx4		DS-GB066FAVBx3 + DS-GA046FAVBx2		DS-GB066FAVBx5	
					DS-GB066FAVBx5		DS-GB066FAVBx5		DS-GB066FAVBx5	
Fan	Oil	Type	-	PVE	PVE		PVE		PVE	
					Propeller		Propeller		Propeller	
					830.0 + (620.0x2)x2		830.0 + (620.0x2)x2		830.0 + (620.0x2)x2	
					220.0 + 255.0 + 290.0		220.0 + 255.0 + 290.0		220.0 + 290.0x2	
Piping Connections	Air Flow Rate	CMM	220.0 + 255.0 + 290.0	3,666.7 + 4,250.0 + 4,833.3	3,666.7 + 4,250.0 + 4,833.3		3,666.7 + 4,250.0 + 4,833.3		3,666.7 + 4,833.3x2	
					3,666.7 + 4,833.3x2		3,666.7 + 4,833.3x2		3,666.7 + 4,833.3x2	
					8.00		8.00		8.00	
					78.40		78.40		78.40	
Field Wiring	Transmission Cable	mm ²	0.75 ~ 1.50	0.75 ~ 1.50	0.75 ~ 1.50		0.75 ~ 1.50		0.75 ~ 1.50	
					22.60		22.60		23.30	
					68.00		69.00		69.00	
					90.00		90.00		91.00	
Refrigerant	Factory Charging	kg	22.60	22.60	23.30		23.30		23.30	
					69.00		69.00		69.00	
					90.00		90.00		91.00	
					91.00		91.00		92.00	
Sound	Power	dBA	68.00	69.00	69.00		69.00		69.00	
					90.00		90.00		91.00	
					91.00		91.00		91.00	
					92.00		92.00		92.00	
External Dimension	Net Weight	kg	210.0 + 239.0 + 307.0	210.0 + 269.0 + 307.0	210.0 + 269.0 + 307.0		210.0 + 269.0 + 307.0		210.0 + 269.0 + 307.0	
					223.0 + 258.0 + 326.0		223.0 + 258.0 + 326.0		223.0 + 258.0 + 326.0	
					223.0 + 288.0 + 326.0		223.0 + 288.0 + 326.0		223.0 + 288.0 + 326.0	
					223.0 + 326.0x2		223.0 + 326.0x2		223.0 + 326.0x2	
Operating Temp.	Cooling	°C	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0		-5.0 ~ 48.0		-5.0 ~ 48.0	
					-25.0 ~ 24.0		-25.0 ~ 24.0		-25.0 ~ 24.0	
					-25.0 ~ 24.0		-25.0 ~ 24.0		-25.0 ~ 24.0	
					-25.0 ~ 24.0		-25.0 ~ 24.0		-25.0 ~ 24.0	

* Specifications may be subject to change without prior notice.

1) Nominal cooling capacities are based on;

- Indoor temperature : 27°C DB, 19°C WB

- Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

2) Nominal heating capacities are based on;

- Indoor temperature : 20°C DB, 15°C WB

- Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.

4) These products contain R410A which is fluorinated greenhouse gas.

5) 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.)

When the outdoor unit is below the indoor unit & the level differences are 40m or more, contact your local dealer for more information.

* PDM kit: Pressure Drop Modulation kit

2 Specifications : H/P - Standard type

Outdoor

Type			DVM S(NEW)	DVM S(NEW)	DVM S(NEW)	DVM S(NEW)
Model Name			AM560JXVAGH1EU	AM580JXVAGH1EU	AM600JXVAGH1EU	AM620JXVAGH1EU
Power Supply			Ø, #, V, Hz	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
Mode			-	HP	HP	HP
Performance	HP		HP	56.00	58.00	60.00
	Capacity (Nominal)	Cooling	kW	156.80	163.20	168.20
			Btu/h	535,000	556,900	573,900
		Heating	kW	176.40	183.60	189.00
			Btu/h	601,900	626,500	644,900
Power	Power Input (Nominal)	Cooling 1)	kW	42.86	45.63	46.68
		Heating 2)	kW	41.43	43.55	45.00
	Current Input (Nominal)	Cooling 1)	A	68.70	73.10	74.80
		Heating 2)	A	66.50	69.90	72.20
	MCA		A	114.00	114.00	121.00
COP	MFA		A	125.00	125.00	150.00
	EER (Nominal Cooling)		-	3.66	3.58	3.60
	COP (Nominal Heating)		-	4.26	4.22	4.20
	Energy Grade		-	ESEER 6.42	ESEER 6.44	ESEER 6.39
			-	-	-	-
Compressor	Type		-	SSC Scroll x 5	SSC Scroll x 5	SSC Scroll x 6
	Output		kW x n	(6.39) + (6.39x2)x2	(6.39) + (6.39x2)x2	(4.39x2) + (6.39x2)x2
	Model Name		-	DS-GB066FAVBx5	DS-GB066FAVBx5	DS-GA046FAVBx2 + DS-GB066FAVBx4
	Oil	Type	-	PVE	PVE	PVE
			-	PVE	PVE	PVE
Fan	Type		-	Propeller	Propeller	Propeller
	Output x n		W	830.0 + (620.0x2)x2	(620.0x2)x3	(620.0x2)x3
	Air Flow Rate		CMM	220.0 + 290.0x2	255.0 + 290.0x2	255.0 + 290.0x2
			l/s	3,666.7 + 4,833.3x2	4,250.0 + 4,833.3x2	4,250.0 + 4,833.3x2
	External Static	Max.	mmAQ	8.00	8.00	8.00
Piping Connections	Liquid Pipe		Pa	78.40	78.40	78.40
			Ø, mm	19.05	19.05	22.22
	Gas Pipe		Ø, inch	3/4"	3/4"	7/8"
			Ø, mm	41.28	41.28	53.98
	Discharge Gas Pipe		Ø, inch	1 5/8"	1 5/8"	2 1/8"
			Ø, mm	-	-	-
	Installation Limitation	Max. Length	m	200 (220)	200 (220)	200 (220)
		Max. Height	m	110 (110)	110 (110)	110 (110)
	Power Source Wire		mm²	-	-	-
	Transmission Cable		mm²	0.75 ~ 1.50	0.75 ~ 1.50	0.75 ~ 1.50
Refrigerant	Type		-	R410A	R410A	R410A
	Factory Charging		kg	23.30	24.50	25.20
Sound	Pressure		dBA	70.00	70.00	70.00
	Power		dBA	92.00	92.00	93.00
External Dimension	Net Weight		kg	210.0 + 307.0x2	239.0 + 307.0x2	269.0 + 307.0x2
	Shipping Weight		kg	223.0 + 326.0x2	258.0 + 326.0x2	288.0 + 326.0x2
	Net Dimensions (WxHxD)		mm	880x1,695x765 + (1,295x1,695x765)x2	(1,295x1,695x765)x3	(1,295x1,695x765)x3
	Shipping Dimensions (WxHxD)		mm	948x1,887x832 + (1,363x1,887x832)x2	(1,363x1,887x832)x3	(1,363x1,887x832)x3
Operating Temp.	Cooling		°C	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0
	Heating		°C	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0

* Specifications may be subject to change without prior notice.

1) Nominal cooling capacities are based on;

- Indoor temperature : 27°C DB, 19°C WB

- Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

2) Nominal heating capacities are based on;

- Indoor temperature : 20°C DB, 15°C WB

- Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.

4) These products contain R410A which is fluorinated greenhouse gas.

5) 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.)

When the outdoor unit is below the indoor unit & the level differences are 40m or more, contact your local dealer for more information.

* PDM kit: Pressure Drop Modulation kit

2 Specifications : H/P - Standard type

Outdoor

Type			DVM S(NEW)	DVM S(NEW)	DVM S(NEW)	DVM S(NEW)
Model Name			AM640JXVAGH1EU	AM660JXVAGH1EU	AM680JXVAGH1EU	AM700JXVAGH1EU
Power Supply			Ø, #, V, Hz	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
Mode			-	HP	HP	HP
Performance	HP		HP	64.00	66.00	68.00
	Capacity (Nominal)	Cooling	kW	179.20	184.80	190.40
			Btu/h	611,500	630,600	649,700
		Heating	kW	201.60	207.90	214.20
			Btu/h	687,900	709,400	730,900
Power	Power Input (Nominal)	Cooling 1)	kW	49.29	52.05	51.02
		Heating 2)	kW	47.30	50.10	49.46
	Current Input (Nominal)	Cooling 1)	A	79.00	83.40	81.80
		Heating 2)	A	75.90	80.40	79.40
	MCA		A	131.50	133.50	139.00
COP	MFA		A	150.00	150.00	175.00
	EER (Nominal Cooling)		-	3.64	3.55	3.73
	COP (Nominal Heating)		-	4.26	4.15	4.33
	Energy Grade		-	ESEER 6.35	ESEER 6.25	ESEER 6.53
			-	-	-	-
Compressor	Type		-	SSC Scroll x 6	SSC Scroll x 6	SSC Scroll x 6
	Output		kW x n	(6.39x2) + (6.39x2)x2	(6.39x2)x3	(6.39)x2 + (6.39x2)x2
	Model Name		-	DS-GB066FAVBx6	DS-GB066FAVBx6	DS-GB066FAVBx6
	Oil	Type	-	PVE	PVE	PVE
			-	PVE	PVE	PVE
Fan	Type		-	Propeller	Propeller	Propeller
	Output x n		W	(620.0x2)x3	(620.0x2)x3	(830.0)x2 + (620.0x2)x2
	Air Flow Rate		CMM	290.0x3	290.0x3	220.0x2 + 290.0x2
			l/s	4,833.3x3	4,833.3x3	3,666.7x2 + 4,833.3x2
	External Static	Max.	mmAQ	8.00	8.00	8.00
Piping Connections	Liquid Pipe		Pa	78.40	78.40	78.40
			Ø, mm	22.22	22.22	22.22
	Gas Pipe		Ø, inch	7/8"	7/8"	7/8"
			Ø, mm	53.98	53.98	53.98
	Discharge Gas Pipe		Ø, inch	2 1/8"	2 1/8"	2 1/8"
			Ø, mm	-	-	-
	Installation Limitation	Max. Length	m	200 (220)	200 (220)	200 (220)
		Max. Height	m	110 (110)	110 (110)	110 (110)
Field Wiring	Power Source Wire		mm ²	-	-	-
	Transmission Cable		mm ²	0.75 ~ 1.50	0.75 ~ 1.50	0.75 ~ 1.50
Refrigerant	Type		-	R410A	R410A	R410A
	Factory Charging		kg	25.20	25.20	29.80
Sound	Pressure		dBA	70.00	71.00	70.00
	Power			93.00	94.00	93.00
External Dimension	Net Weight		kg	307.0x3	307.0x3	210.0x2 + 307.0x2
	Shipping Weight		kg	326.0x3	326.0x3	223.0x2 + 326.0x2
	Net Dimensions (WxHxD)		mm	(1,295x1,695x765)x3	(1,295x1,695x765)x3	(880x1,695x765)x2 + (1,295x1,695x765)x2
	Shipping Dimensions (WxHxD)		mm	(1,363x1,887x832)x3	(1,363x1,887x832)x3	(948x1,887x832)x2 + (1,363x1,887x832)x2
Operating Temp.	Cooling		°C	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0
	Heating		°C	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0

* Specifications may be subject to change without prior notice.

1) Nominal cooling capacities are based on;

- Indoor temperature : 27°C DB, 19°C WB

- Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

2) Nominal heating capacities are based on;

- Indoor temperature : 20°C DB, 15°C WB

- Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.

4) These products contain R410A which is fluorinated greenhouse gas.

5) 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.)

When the outdoor unit is below the indoor unit & the level differences are 40m or more, contact your local dealer for more information.

* PDM kit: Pressure Drop Modulation kit

2 Specifications : H/P - Standard type

Outdoor

Type			DVM S(NEW)	DVM S(NEW)	DVM S(NEW)	DVM S(NEW)
Model Name			AM720JXVAGH1EU	AM740JXVAGH1EU	AM760JXVAGH1EU	AM780JXVAGH1EU
Power Supply			Ø, #, V, Hz	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
Mode			-	HP	HP	HP
Performance	HP		HP	72.00	74.00	76.00
	Capacity (Nominal)	Cooling	kW	201.80	207.20	212.80
			Btu/h	688,600	707,000	726,100
		Heating	kW	226.80	233.10	239.40
			Btu/h	773,900	795,400	816,900
Power	Power Input (Nominal)	Cooling 1)	kW	54.84	55.31	57.45
		Heating 2)	kW	53.03	53.33	55.33
	Current Input (Nominal)	Cooling 1)	A	87.90	88.70	92.10
		Heating 2)	A	85.10	85.60	88.80
	MCA		A	146.00	153.10	156.50
COP	MFA		A	175.00	175.00	175.00
	EER (Nominal Cooling)		-	3.68	3.75	3.70
	COP (Nominal Heating)		-	4.28	4.37	4.33
	Energy Grade		-	ESEER 6.50	ESEER 6.46	ESEER 6.45
			-	-	-	-
Compressor	Type		-	SSC Scroll x 7	SSC Scroll x 7	SSC Scroll x 7
	Output		kW x n	(6.39) + (4.39x2) + (6.39x2)x2	(6.39) + (6.39x2) + (6.39x2)x2	(6.39) + (6.39x2)x3
	Model Name		-	DS-GB066FAVBx5 + DS-GA046FAVAx2	DS-GB066FAVBx7	DS-GB066FAVBx7
	Oil	Type	-	PVE	PVE	PVE
			-	-	-	-
Fan	Type		-	Propeller	Propeller	Propeller
	Output x n		W	830.0 + (620.0x2)x3	830.0 + (620.0x2)x3	830.0 + (620.0x2)x3
	Air Flow Rate		CMM	220.0 + 255.0 + 290.0x2	220.0 + 290.0x3	220.0 + 290.0x3
			l/s	3,666.7 + 4,250.0 + 4,833.3x2	3,666.7 + 4,833.3x3	3,666.7 + 4,833.3x3
	External Static	Max.	mmAQ	8.00	8.00	8.00
Piping Connections	Liquid Pipe		Pa	78.40	78.40	78.40
			Ø, mm	22.22	22.22	22.22
	Gas Pipe		Ø, inch	7/8"	7/8"	7/8"
			Ø, mm	53.98	53.98	53.98
	Discharge Gas Pipe		Ø, inch	2 1/8"	2 1/8"	2 1/8"
			Ø, mm	-	-	-
	Installation Limitation	Max. Length	m	200 (220)	200 (220)	200 (220)
		Max. Height	m	110 (110)	110 (110)	110 (110)
Field Wiring	Power Source Wire		mm ²	-	-	-
	Transmission Cable		mm ²	0.75 ~ 1.50	0.75 ~ 1.50	0.75 ~ 1.50
Refrigerant	Type		-	R410A	R410A	R410A
	Factory Charging		kg	31.00	31.70	31.70
Sound	Pressure		dBA	71.00	71.00	71.00
	Power			93.00	93.00	94.00
External Dimension	Net Weight		kg	210.0 + 269.0 + 307.0x2	210.0 + 307.0x3	210.0 + 307.0x3
	Shipping Weight		kg	223.0 + 288.0 + 326.0x2	223.0 + 326.0x3	223.0 + 326.0x3
	Net Dimensions (WxHxD)		mm	880x1,695x765 + (1,295x1,695x765)x3	880x1,695x765 + (1,295x1,695x765)x3	880x1,695x765 + (1,295x1,695x765)x3
	Shipping Dimensions (WxHxD)		mm	948x1,887x832 + (1,363x1,887x832)x3	948x1,887x832 + (1,363x1,887x832)x3	948x1,887x832 + (1,363x1,887x832)x3
				-	-	-
Operating Temp.	Cooling		°C	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0
	Heating		°C	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0

* Specifications may be subject to change without prior notice.

1) Nominal cooling capacities are based on;

- Indoor temperature : 27°C DB, 19°C WB

- Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

2) Nominal heating capacities are based on;

- Indoor temperature : 20°C DB, 15°C WB

- Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.

4) These products contain R410A which is fluorinated greenhouse gas.

5) 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.)

When the outdoor unit is below the indoor unit & the level differences are 40m or more, contact your local dealer for more information.

* PDM kit: Pressure Drop Modulation kit

2 Specifications : H/P - Standard type

Outdoor

Type			DVM S(NEW)	
Model Name			AM800JXVAGH1EU	
Power Supply		Ø, #, V, Hz	3,4,380-415,50	
Mode		-	HP	
Performance	HP		HP	80.00
	Capacity (Nominal)	Cooling	kW	224.80
			Btu/h	767,000
		Heating	kW	252.90
			Btu/h	862,900
Power	Power Input (Nominal)	Cooling 1)	kW	62.98
		Heating 2)	kW	60.25
	Current Input (Nominal)	Cooling 1)	A	100.90
		Heating 2)	A	96.70
	MCA		A	158.5
	MFA		A	175.00
COP	EER (Nominal Cooling)		-	3.57
	COP (Nominal Heating)		-	4.20
	Energy Grade	-	ESEER 6.39	
		-	-	
Compressor	Type		-	SSC Scroll x 7
	Output		kW x n	(6.39) + (6.39x2)x3
	Model Name		-	DS-GB066FAVBx7
	Oil	Type	-	PVE
Fan	Type		-	Propeller
	Output x n		W	(620.0x2)x4
	Air Flow Rate	CMM		255.0 + 290.0x3
		l/s		4,250.0 + 4,833.3x3
	External Static	Max.	mmAQ	8.00
			Pa	78.40
Piping Connections	Liquid Pipe		Ø, mm	22.22
			Ø, inch	7/8"
	Gas Pipe		Ø, mm	53.98
			Ø, inch	2 1/8"
	Discharge Gas Pipe		Ø, mm	-
			Ø, inch	-
	Installation Limitation	Max. Length	m	200 (220)
		Max. Height	m	110 (110)
Field Wiring	Power Source Wire		mm²	-
	Transmission Cable		mm²	0.75 ~ 1.50
Refrigerant	Type		-	R410A
	Factory Charging		kg	32.90
Sound	Pressure		dBA	71.00
	Power			94.00
External Dimension	Net Weight		kg	239.0 + 307.0x3
	Shipping Weight		kg	258.0 + 326.0x3
	Net Dimensions (WxHxD)		mm	(1,295x1,695x765)x4
	Shipping Dimensions (WxHxD)		mm	(1,363x1,887x832)x4
Operating Temp.	Cooling		°C	-5.0 ~ 48.0
	Heating		°C	-25.0 ~ 24.0

* Specifications may be subject to change without prior notice.

1) Nominal cooling capacities are based on;

- Indoor temperature : 27°C DB, 19°C WB

- Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

2) Nominal heating capacities are based on;

- Indoor temperature : 20°C DB, 15°C WB

- Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.

4) These products contain R410A which is fluorinated greenhouse gas.

5) 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.)

When the outdoor unit is below the indoor unit & the level differences are 40m or more, contact your local dealer for more information.

* PDM kit: Pressure Drop Modulation kit

2 Specifications : H/P - Standard type (Compact)

Outdoor

Type			DVM S(NEW)	DVM S(NEW)	DVM S(NEW)	DVM S(NEW)
Model Name			AM360JXVAGH2EU	AM380JXVAGH2EU	AM460JXVAGH2EU	AM480JXVAGH2EU
Power Supply			Ø, #, V, Hz	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
Mode			-	HP	HP	HP
Performance	HP		HP	36.00	38.00	46.00
	Capacity (Nominal)	Cooling	kW	100.80	106.40	128.80
			Btu/h	343,900	363,100	439,500
		Heating	kW	113.40	119.70	144.90
			Btu/h	386,900	408,400	494,400
Power	Power Input (Nominal)	Cooling 1)	kW	25.26	27.46	33.89
		Heating 2)	kW	27.83	29.83	35.70
	Current Input (Nominal)	Cooling 1)	A	39.93	43.38	53.68
		Heating 2)	A	43.96	47.10	56.50
	MCA		A	80.00	83.00	100.5
COP	MFA		A	90.00	100.00	125.00
	EER (Nominal Cooling)		-	3.99	3.87	3.80
	COP (Nominal Heating)		-	4.07	4.01	4.06
	Energy Grade		-	ESEER 6.66	ESEER 6.50	ESEER 6.39
			-	-	-	-
Compressor	Type		-	SSC Scroll x 3	SSC Scroll x 3	SSC Scroll x 4
	Output		kW x n	(6.39) + (6.39x2)	(6.39) + (6.76x2)	(6.39x2) + (6.76x2)
	Model Name		-	DS-GB066FAVBx1 + DS-GB066FAVBx2	DS-GB066FAVBx1 + DS-GB070FAVASGx2	DS-GB066FAVBx2 + DS-GB070FAVASGx2
	Oil	Type	-	PVE	PVE	PVE
			-	PVE	PVE	PVE
Fan	Type		-	Propeller	Propeller	Propeller
	Output x n		W	830.0 + 620.0x2	830.0 + 620.0x2	(620.0x2)x2
	Air Flow Rate		CMM	220.0 + 310.0	220.0 + 310.0	290.0 + 310.0
			l/s	3,666.7 + 5,166.7	3,666.7 + 5,166.7	4,833.3 + 5,166.7
	External Static	Max.	mmAQ	8.00	8.00	8.00
Piping Connections	Liquid Pipe		Ø, mm	19.05	19.05	19.05
			Ø, inch	3/4"	3/4"	3/4"
	Gas Pipe		Ø, mm	41.28	41.28	41.28
			Ø, inch	1 5/8"	1 5/8"	1 5/8"
	Discharge Gas Pipe		Ø, mm	-	-	-
			Ø, inch	-	-	-
	Installation Limitation	Max. Length	m	200 (220)	200 (220)	200 (220)
		Max. Height	m	110 (110)	110 (110)	110 (110)
Field Wiring	Power Source Wire	mm ²	-	-	-	-
	Transmission Cable	mm ²	0.75 ~ 1.50	0.75 ~ 1.50	0.75 ~ 1.50	0.75 ~ 1.50
Refrigerant	Type	-	R410A	R410A	R410A	R410A
	Factory Charging	kg	20.80	20.80	22.70	22.70
Sound	Pressure	dBA	68.00	68.00	69.00	70.00
	Power		91.00	91.00	92.00	93.00
External Dimension	Net Weight	kg	210.0 + 356.0	210.0 + 356.0	307.0 + 356.0	307.0 + 356.0
	Shipping Weight	kg	223.0 + 371.0	223.0 + 371.0	326.0 + 371.0	326.0 + 371.0
	Net Dimensions (WxHxD)	mm	880x1,695x765 + 1,295x1,695x765	880x1,695x765 + 1,295x1,695x765	(1,295x1,695x765)x2	(1,295x1,695x765)x2
	Shipping Dimensions (WxHxD)	mm	948x1,887x832 + 1,363x1,887x832	948x1,887x832 + 1,363x1,887x832	(1,363x1,887x832)x2	(1,363x1,887x832)x2
Operating Temp.	Cooling	°C	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0
	Heating	°C	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0

* Specifications may be subject to change without prior notice.

1) Nominal cooling capacities are based on;

- Indoor temperature : 27°C DB, 19°C WB

- Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

2) Nominal heating capacities are based on;

- Indoor temperature : 20°C DB, 15°C WB

- Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.

4) These products contain R410A which is fluorinated greenhouse gas.

5) 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.)

When the outdoor unit is below the indoor unit & the level differences are 40m or more, contact your local dealer for more information.

* PDM kit: Pressure Drop Modulation kit

2 Specifications : H/P - Standard type (Compact)

Outdoor

Type			DVM S(NEW)	DVM S(NEW)	DVM S(NEW)	DVM S(NEW)
Model Name			AM500JXVAGH2EU	AM520JXVAGH2EU	AM580JXVAGH2EU	AM600JXVAGH2EU
Power Supply			Ø, #, V, Hz	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
Mode			-	HP	HP	HP
Performance	HP		HP	50.00	52.00	58.00
	Capacity (Nominal)	Cooling	kW	140.00	145.60	162.40
			Btu/h	477,700	496,800	554,100
		Heating	kW	157.50	163.80	182.70
			Btu/h	537,400	558,900	623,400
Power	Power Input (Nominal)	Cooling 1)	kW	36.40	38.60	42.05
		Heating 2)	kW	41.60	43.60	46.53
	Current Input (Nominal)	Cooling 1)	A	57.11	60.56	66.78
		Heating 2)	A	65.26	68.40	73.90
	MCA		A	113.0	116.00	125.50
COP	MFA		A	125.00	150.00	150.00
	EER (Nominal Cooling)		-	3.85	3.77	3.86
	COP (Nominal Heating)		-	3.79	3.76	4.18
	Energy Grade		-	ESEER 6.37	ESEER 6.26	ESEER 6.52
Compressor	Type		-	SSC Scroll x 4	SSC Scroll x 4	SSC Scroll x 5
	Output	kW x n	(6.39x2) + (6.76x2)	(6.76x2)x2	(6.39) + (6.39x2) + (6.76x2)	(6.39) + (6.39x2) + (6.76x2)
	Model Name	-	DS-GB066FAVBSGx2 + DS-GB070FAVASGx2	DS-GB070FAVASGx4	DS-GB066FAVBx3 + DS-GB070FAVASGx2	DS-GB066FAVBx3 + DS-GB070FAVASGx2
	Oil	Type	-	PVE	PVE	PVE
Fan	Type		-	Propeller	Propeller	Propeller
	Output x n	W	(620.0x2)x2	(620.0x2)x2	830.0 + (620.0x2)x2	830.0 + (620.0x2)x2
	Air Flow Rate	CMM	310.0x2	310.0x2	220.0 + 290.0 + 310.0	220.0 + 290.0 + 310.0
		l/s	5,166.7x2	5,166.7x2	3,666.7 + 4,833.3 + 5,166.7	3,666.7 + 4,833.3 + 5,166.7
Piping Connections	External Static	Max.	mmAQ	8.00	8.00	8.00
			Pa	78.40	78.40	78.40
	Liquid Pipe		Ø, mm	19.05	19.05	19.05
			Ø, inch	3/4"	3/4"	3/4"
	Gas Pipe		Ø, mm	41.28	41.28	41.28
			Ø, inch	1 5/8"	1 5/8"	1 5/8"
	Discharge Gas Pipe		Ø, mm	-	-	-
			Ø, inch	-	-	-
Installation Limitation	Max. Length		m	200 (220)	200 (220)	200 (220)
			m	110 (110)	110 (110)	110 (110)
	Max. Height		m	110 (110)	110 (110)	110 (110)
Field Wiring	Power Source Wire	mm ²	-	-	-	-
	Transmission Cable	mm ²	0.75 ~ 1.50	0.75 ~ 1.50	0.75 ~ 1.50	0.75 ~ 1.50
Refrigerant	Type	-	R410A	R410A	R410A	R410A
	Factory Charging	kg	28.60	28.60	29.20	29.20
Sound	Pressure	dBA	70.00	70.00	70.00	70.00
	Power		93.00	93.00	93.00	93.00
External Dimension	Net Weight	kg	356.0x2	356.0x2	210.0 + 307.0 + 356.0	210.0 + 307.0 + 356.0
	Shipping Weight	kg	371.0x2	371.0x2	223.0 + 326.0 + 371.0	223.0 + 326.0 + 371.0
	Net Dimensions (WxHxD)	mm	(1,295x1,695x765)x2	(1,295x1,695x765)x2	880x1,695x765 + (1,295x1,695x765)x2	880x1,695x765 + (1,295x1,695x765)x2
	Shipping Dimensions (WxHxD)	mm	(1,363x1,887x832)x2	(1,363x1,887x832)x2	948x1,887x832 + (1,363x1,887x832)x2	948x1,887x832 + (1,363x1,887x832)x2
Operating Temp.	Cooling	°C	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0
	Heating	°C	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0

* Specifications may be subject to change without prior notice.

1) Nominal cooling capacities are based on;

- Indoor temperature : 27°C DB, 19°C WB

- Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

2) Nominal heating capacities are based on;

- Indoor temperature : 20°C DB, 15°C WB

- Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.

4) These products contain R410A which is fluorinated greenhouse gas.

5) 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.)

When the outdoor unit is below the indoor unit & the level differences are 40m or more, contact your local dealer for more information.

* PDM kit: Pressure Drop Modulation kit

2 Specifications : H/P - Standard type (Compact)

Outdoor

Type			DVM S(NEW)		DVM S(NEW)		DVM S(NEW)		DVM S(NEW)	
Model Name			AM620JXVAGH2EU		AM640JXVAGH2EU		AM680JXVAGH2EU		AM700JXVAGH2EU	
Power Supply			Ø, #, V, Hz		3,4,380-415,50		3,4,380-415,50		3,4,380-415,50	
Mode			-		HP		HP		HP	
Performance	HP	Capacity (Nominal)	Cooling	Heating	HP		HP		HP	
					kW		kW		kW	
					Btu/h		Btu/h		Btu/h	
					kW		kW		kW	
Power	Power Input (Nominal)	Cooling 1)	Heating 2)	A	44.56		46.76		51.80	
					49.63		51.63		53.20	
					70.21		73.66		82.43	
					78.16		81.30		84.66	
COP	MCA	A	138.00	175.00	175.00		175.00		175.00	
					EER (Nominal Cooling)		EER (Nominal Heating)		EER (Nominal Heating)	
					-		-		-	
					3.90		3.83		3.68	
Compressor	Type	Output	kW x n	Model Name	SSC Scroll x 5		SSC Scroll x 5		SSC Scroll x 6	
					(6.39) + (6.39x2) + (6.76x2)		(6.39) + (6.76x2)x2		(6.39x2)x2 + (6.39x2)	
					DS-GB066FAVBx1 + DS-GB066FAVBx2 + DS-GB070FAVASGx2		DS-GB066FAVBx1 + DS-GB070FAVASGx4		DS-GB066FAVBx4 + DS-GB066FAVBx2	
					PVE		PVE		PVE	
Fan	Type	Output x n	W	Air Flow Rate	Propeller		Propeller		Propeller	
					830.0 + (620.0x2)x2		830.0 + (620.0x2)x2		(620.0x2)x3	
					CMM		CMM		CMM	
					220.0 + 310.0x2		220.0 + 310.0x2		290.0x2 + 310.0	
Piping Connections	External Static	Max.	mmAQ	Pa	8.00		8.00		8.00	
					22.22		22.22		22.22	
					Ø, mm		Ø, mm		Ø, mm	
					7/8"		7/8"		7/8"	
Sound	Pressure	Power	dBA	71.00	71.00		71.00		71.00	
					94.00		94.00		95.00	
					210.0 + 356.0x2		210.0 + 356.0x2		307.0x2 + 356.0	
					223.0 + 371.0x2		223.0 + 371.0x2		326.0x2 + 371.0	
Operating Temp.	Cooling	Heating	°C	-5.0 ~ 48.0	-5.0 ~ 48.0		-5.0 ~ 48.0		-5.0 ~ 48.0	
					-25.0 ~ 24.0		-25.0 ~ 24.0		-25.0 ~ 24.0	

* Specifications may be subject to change without prior notice.

1) Nominal cooling capacities are based on;

- Indoor temperature : 27°C DB, 19°C WB

- Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

2) Nominal heating capacities are based on;

- Indoor temperature : 20°C DB, 15°C WB

- Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.

4) These products contain R410A which is fluorinated greenhouse gas.

5) 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.)

When the outdoor unit is below the indoor unit & the level differences are 40m or more, contact your local dealer for more information.

* PDM kit: Pressure Drop Modulation kit

2 Specifications : H/P - Standard type (Compact)

Outdoor

Type			DVM S(NEW)		DVM S(NEW)		DVM S(NEW)		DVM S(NEW)	
Model Name			AM720JXVAGH2EU		AM740JXVAGH2EU		AM760JXVAGH2EU		AM780JXVAGH2EU	
Power Supply			Ø, #, V, Hz		3,4,380-415,50		3,4,380-415,50		3,4,380-415,50	
Mode			-		HP		HP		HP	
Performance	HP		HP		72.00		74.00		76.00	
	Capacity (Nominal)	Cooling	kW		201.60		207.20		212.80	
			Btu/h		687,900		707,000		726,100	
		Heating	kW		226.80		233.10		239.40	
			Btu/h		773,900		795,400		816,900	
Power	Power Input (Nominal)	Cooling 1)	kW		53.75		55.95		55.70	
		Heating 2)	kW		58.30		60.30		63.40	
	Current Input (Nominal)	Cooling 1)	A		84.91		88.36		87.39	
		Heating 2)	A		92.06		95.20		99.46	
	MCA		A		157.5		160.5		171.00	
COP	MFA		A		175.00		200.00		200.00	
	EER (Nominal Cooling)		-		3.75		3.70		3.82	
	COP (Nominal Heating)		-		3.89		3.87		3.78	
	Energy Grade		-		ESEER 6.33		ESEER 6.26		ESEER 6.33	
			-		-		-		-	
Compressor	Type		-		SSC Scroll x 6		SSC Scroll x 6		SSC Scroll x 6	
	Output		kW x n		(6.39x2) + (6.39x2) + (6.76x2)		(6.39x2) + (6.76x2)x2		(6.39x2) + (6.76x2)x2	
	Model Name		-		DS-GB066FAVBx2 + DS-GB066FAVBx2 + DS-GB070FAVASGx2		DS-GB066FAVBx2 + DS-GB070FAVASGx4		DS-GB066FAVBx2 + DS-GB070FAVASGx4	
	Oil		Type		PVE		PVE		PVE	
			-		-		-		-	
Fan	Type		-		Propeller		Propeller		Propeller	
	Output x n		W		(620.0x2)x3		(620.0x2)x3		(620.0x2)x3	
	Air Flow Rate		CMM		290.0 + 310.0x2		290.0 + 310.0x2		310.0x3	
			l/s		4,833.3 + 5,166.7x2		4,833.3 + 5,166.7x2		5,166.7x3	
	External Static		Max.		mmAQ		8.00		8.00	
Piping Connections			Pa		78.40		78.40		78.40	
	Liquid Pipe		Ø, mm		22.22		22.22		22.22	
			Ø, inch		7/8"		7/8"		7/8"	
	Gas Pipe		Ø, mm		53.98		53.98		53.98	
			Ø, inch		2 1/8"		2 1/8"		2 1/8"	
	Discharge Gas Pipe		Ø, mm		-		-		-	
			Ø, inch		-		-		-	
	Installation Limitation	Max. Length	m		200 (220)		200 (220)		200 (220)	
		Max. Height	m		110 (110)		110 (110)		110 (110)	
Field Wiring	Power Source Wire		mm ²		-		-		-	
	Transmission Cable		mm ²		0.75 ~ 1.50		0.75 ~ 1.50		0.75 ~ 1.50	
Refrigerant	Type		-		R410A		R410A		R410A	
	Factory Charging		kg		37.00		37.00		42.90	
Sound	Pressure		dBA		71.00		71.00		72.00	
	Power				95.00		95.00		96.00	
External Dimension	Net Weight		kg		307.0 + 356.0x2		307.0 + 356.0x2		356.0x3	
	Shipping Weight		kg		326.0 + 371.0x2		326.0 + 371.0x2		371.0x3	
	Net Dimensions (WxHxD)		mm		(1,295x1,695x765)x3		(1,295x1,695x765)x3		(1,295x1,695x765)x3	
	Shipping Dimensions (WxHxD)		mm		(1,363x1,887x832)x3		(1,363x1,887x832)x3		(1,363x1,887x832)x3	
Operating Temp.	Cooling		°C		-5.0 ~ 48.0		-5.0 ~ 48.0		-5.0 ~ 48.0	
	Heating		°C		-25.0 ~ 24.0		-25.0 ~ 24.0		-25.0 ~ 24.0	

* Specifications may be subject to change without prior notice.

1) Nominal cooling capacities are based on;

- Indoor temperature : 27°C DB, 19°C WB

- Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

2) Nominal heating capacities are based on;

- Indoor temperature : 20°C DB, 15°C WB

- Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.

4) These products contain R410A which is fluorinated greenhouse gas.

5) 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.)

When the outdoor unit is below the indoor unit & the level differences are 40m or more, contact your local dealer for more information.

* PDM kit: Pressure Drop Modulation kit

2 Specifications : H/R - High EER type

Outdoor

Type			DVM S(NEW)		DVM S(NEW)		DVM S(NEW)		DVM S(NEW)		
Model Name			AM080JXVHGR/EU		AM100JXVHGR/EU		AM120JXVHGR/EU		AM140JXVHGR/EU		
Power Supply			Ø, #, V, Hz	3,4,380-415,50		3,4,380-415,50		3,4,380-415,50		3,4,380-415,50	
Mode			-	HR		HR		HR		HR	
Performance	HP		HP	8.00		10.00		12.00		14.00	
	Capacity (Nominal)	Cooling	kW	22.40		28.00		33.60		40.00	
			Btu/h	76,400		95,500		114,600		136,500	
		Heating	kW	25.20		31.50		37.80		45.00	
			Btu/h	86,000		107,500		129,000		153,500	
Power	Power Input (Nominal)	Cooling 1)	kW	4.59		6.22		7.57		10.55	
		Heating 2)	kW	4.59		5.89		7.56		9.72	
	Current Input (Nominal)	Cooling 1)	A	7.40		10.00		12.10		16.90	
		Heating 2)	A	7.40		9.40		12.10		15.60	
	MCA		A	18.00		21.1		25.0		25.0	
	MFA		A	25.00		32.00		32.0		32.0	
COP	EER (Nominal Cooling)		-	4.88		4.50		4.44		3.79	
	COP (Nominal Heating)		-	5.49		5.35		5.00		4.63	
	Energy Grade		-	ESEER 8.00		ESEER 7.43		ESEER 7.23		ESEER 7.12	
			-	-		-		-		-	
Compressor	Type		-	SSC Scroll x 1		SSC Scroll x 1		SSC Scroll x 1		SSC Scroll x 1	
	Output		kW x n	(5.18)		(6.39)		(6.39)		(6.39)	
	Model Name		-	DS-GB052FAVBSGx1		DS-GB066FAVBSGx1		DS-GB066FAVBSGx1		DS-GB066FAVBSGx1	
	Oil	Type	-	PVE		PVE		PVE		PVE	
			-	PVE		PVE		PVE		PVE	
Fan	Type		-	Propeller		Propeller		Propeller		Propeller	
	Output x n		W	830.0		830.0		830.0		620.0x2	
	Air Flow Rate		CMM	170		170		220		255	
			l/s	2,833.33		2,833.33		3,666.67		4,250.00	
	External Static	Max.	mmAQ	8.00		8.00		8.00		8.00	
			Pa	78.40		78.40		78.40		78.40	
Piping Connections	Liquid Pipe		Ø, mm	9.52		9.52		12.70		12.70	
			Ø, inch	3/8"		3/8"		1/2"		1/2"	
	Gas Pipe		Ø, mm	19.05		22.22		28.58		28.58	
			Ø, inch	3/4"		7/8"		1 1/8"		1 1/8"	
	Discharge Gas Pipe		Ø, mm	15.88		19.05		19.05		22.22	
			Ø, inch	5/8"		3/4"		3/4"		7/8"	
	Installation Limitation	Max. Length	m	200 (220)		200 (220)		200 (220)		200 (220)	
			Max. Height	m	110 (110)		110 (110)		110 (110)		110 (110)
Field Wiring	Power Source Wire		mm²	-		-		-		-	
	Transmission Cable		mm²	0.75 ~ 1.50		0.75 ~ 1.50		0.75 ~ 1.50		0.75 ~ 1.50	
Refrigerant	Type		-	R410A		R410A		R410A		R410A	
	Factory Charging		kg	6.50		6.50		6.50		7.70	
Sound	Pressure		dBA	57.00		58.00		62.00		61.00	
	Power			77.00		79.00		81.00		81.00	
External Dimension	Net Weight		kg	200.5		200.5		200.5		237.0	
	Shipping Weight		kg	216.5		216.5		216.5		256.0	
	Net Dimensions (WxHxD)		mm	880x1,695x765		880x1,695x765		880x1,695x765		1,295x1,695x765	
	Shipping Dimensions (WxHxD)		mm	948x1,887x832		948x1,887x832		948x1,887x832		1,363x1,887x832	
Operating Temp.	Cooling		°C	-15.0 ~ 48.0		-15.0 ~ 48.0		-15.0 ~ 48.0		-15.0 ~ 48.0	
	Heating		°C	-25.0 ~ 24.0		-25.0 ~ 24.0		-25.0 ~ 24.0		-25.0 ~ 24.0	

* Specifications may be subject to change without prior notice.

1) Nominal cooling capacities are based on;

- Indoor temperature : 27°C DB, 19°C WB

- Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

2) Nominal heating capacities are based on;

- Indoor temperature : 20°C DB, 15°C WB

- Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.

4) These products contain R410A which is fluorinated greenhouse gas.

5) 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.)

When the outdoor unit is below the indoor unit & the level differences are 40m or more, contact your local dealer for more information.

* PDM kit: Pressure Drop Modulation kit

2 Specifications : H/R - High EER type

Outdoor

Type			DVM S(NEW)	DVM S(NEW)	DVM S(NEW)	DVM S(NEW)
Model Name			AM160JXVHGR/EU	AM180JXVHGR/EU	AM200JXVHGR/EU	AM220JXVHGR/EU
Power Supply			Ø, #, V, Hz	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
Mode			-	HR	HR	HR
Performance	HP		HP	16.00	18.00	20.00
	Capacity (Nominal)	Cooling	kW	45.00	50.40	56.00
			Btu/h	153,500	172,000	191,100
		Heating	kW	50.40	56.70	63.00
			Btu/h	172,000	193,500	215,000
Power	Power Input (Nominal)	Cooling 1)	kW	10.92	11.51	13.05
		Heating 2)	kW	10.75	11.62	13.10
	Current Input (Nominal)	Cooling 1)	A	17.50	18.50	20.90
		Heating 2)	A	17.20	18.60	21.00
	MCA		A	32.00	39.1	42.50
COP	MFA		A	40.00	50.00	63.00
	EER (Nominal Cooling)		-	4.12	4.38	4.29
	COP (Nominal Heating)		-	4.69	4.88	4.81
	Energy Grade		-	ESEER 6.82	ESEER 6.71	ESEER 6.66
			-	-	-	-
Compressor	Type		-	SSC Scroll x 2	SSC Scroll x 2	SSC Scroll x 2
	Output		kW x n	(4.39 x 2)	(6.39 x 2)	(6.39 x 2)
	Model Name		-	DS-GA046FAVASGx2	DS-GB066FAVBSGx2	DS-GB066FAVBSGx2
	Oil	Type	-	PVE	PVE	PVE
Fan	Type		-	Propeller	Propeller	Propeller
	Output x n		W	620.0x2	620.0x2	620.0x2
	Air Flow Rate		CMM	255	290	290
			l/s	4,250.00	4,833.33	4,833.33
	External Static	Max.	mmAQ	8.00	8.00	8.00
Piping Connections	Liquid Pipe		Ø, mm	12.70	15.88	15.88
			Ø, inch	1/2"	5/8"	5/8"
	Gas Pipe		Ø, mm	28.58	28.58	28.58
			Ø, inch	1 1/8"	1 1/8"	1 1/8"
	Discharge Gas Pipe		Ø, mm	22.22	22.22	28.58
			Ø, inch	7/8"	7/8"	1 1/8"
	Installation Limitation	Max. Length	m	200 (220)	200 (220)	200 (220)
		Max. Height	m	110 (110)	110 (110)	110 (110)
Field Wiring	Power Source Wire		mm ²	-	-	-
	Transmission Cable		mm ²	0.75 ~ 1.50	0.75 ~ 1.50	0.75 ~ 1.50
Refrigerant	Type		-	R410A	R410A	R410A
	Factory Charging		kg	7.70	8.40	8.40
Sound	Pressure		dBA	62.00	63.00	64.00
	Power			82.00	85.00	86.00
External Dimension	Net Weight		kg	268.0	302.0	302.0
	Shipping Weight		kg	287.0	321.0	321.0
	Net Dimensions (WxHxD)		mm	1,295x1,695x765	1,295x1,695x765	1,295x1,695x765
	Shipping Dimensions (WxHxD)		mm	1,363x1,887x832	1,363x1,887x832	1,363x1,887x832
Operating Temp.	Cooling		°C	-15.0 ~ 48.0	-15.0 ~ 48.0	-15.0 ~ 48.0
	Heating		°C	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0

* Specifications may be subject to change without prior notice.

1) Nominal cooling capacities are based on;

- Indoor temperature : 27°C DB, 19°C WB

- Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

2) Nominal heating capacities are based on;

- Indoor temperature : 20°C DB, 15°C WB

- Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.

4) These products contain R410A which is fluorinated greenhouse gas.

5) 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.)

When the outdoor unit is below the indoor unit & the level differences are 40m or more, contact your local dealer for more information.

* PDM kit: Pressure Drop Modulation kit

2 Specifications : H/R - High EER type

Outdoor

Type			DVM S(NEW)		DVM S(NEW)		DVM S(NEW)		DVM S(NEW)	
Model Name			AM240JXVHGR1EU		AM260JXVHGR1EU		AM280JXVHGR1EU		AM300JXVHGR1EU	
Power Supply			Ø, #, V, Hz		3,4,380-415,50		3,4,380-415,50		3,4,380-415,50	
Mode			-		HR		HR		HR	
Performance	HP		HP		24.00		26.00		28.00	
	Capacity (Nominal)	Cooling	kW		67.20		73.60		78.60	
			Btu/h		229,300		251,100		268,200	
		Heating	kW		75.60		82.80		88.20	
			Btu/h		258,000		282,500		301,000	
Power	Power Input (Nominal)	Cooling 1)	kW		15.14		18.12		18.49	
		Heating 2)	kW		15.12		17.28		18.31	
	Current Input (Nominal)	Cooling 1)	A		24.20		29.00		29.60	
		Heating 2)	A		24.20		27.70		29.30	
	MCA		A		50.0		50.0		57.00	
COP	MFA		A		63.0		63.0		63.00	
	EER (Nominal Cooling)		-		4.44		4.06		4.25	
	COP (Nominal Heating)		-		5.00		4.79		4.82	
	Energy Grade		-		ESEER 7.23		ESEER 7.17		ESEER 7.00	
			-		-		-		-	
Compressor	Type		-		SSC Scroll x 2		SSC Scroll x 2		SSC Scroll x 3	
	Output		kW x n		(6.39)x2		(6.39) + (6.39)		(6.39) + (4.39x2)	
	Model Name		-		DS-GB066FAVBSGx2		DS-GB066FAVBSGx2		DS-GB066FAVBSGx1 + DS-GA046FAVASGx2	
	Oil		Type		PVE		PVE		PVE	
			-		PVE		PVE		PVE	
Fan	Type		-		Propeller		Propeller		Propeller	
	Output x n		W		(830.0)x2		620.0x2 + 830.0		830.0 + 620.0x2	
	Air Flow Rate		CMM		220.0x2		255.0 + 220.0		220.0 + 255.0	
			l/s		3,666.7x2		4,250.0 + 3,666.7		3,666.7 + 4,250.0	
	External Static		Max.		mmAQ		8.00		8.00	
Piping Connections			Pa		78.40		78.40		78.40	
	Liquid Pipe		Ø, mm		15.88		19.05		19.05	
			Ø, inch		5/8"		3/4"		3/4"	
	Gas Pipe		Ø, mm		34.92		34.92		34.92	
			Ø, inch		1 3/8"		1 3/8"		1 3/8"	
	Discharge Gas Pipe		Ø, mm		28.58		28.58		28.58	
			Ø, inch		1 1/8"		1 1/8"		1 1/8"	
	Installation Limitation	Max. Length	m		200 (220)		200 (220)		200 (220)	
		Max. Height	m		110 (110)		110 (110)		110 (110)	
Field Wiring	Power Source Wire		mm ²		-		-		-	
	Transmission Cable		mm ²		0.75 ~ 1.50		0.75 ~ 1.50		0.75 ~ 1.50	
Refrigerant	Type		-		R410A		R410A		R410A	
	Factory Charging		kg		13.00		14.20		14.90	
Sound	Pressure		dBA		65.00		65.00		65.00	
	Power		dBA		84.00		84.00		85.00	
External Dimension	Net Weight		kg		200.5x2		237.0 + 200.5		200.5 + 268.0	
	Shipping Weight		kg		216.5x2		256.0 + 216.5		216.5 + 287.0	
	Net Dimensions (WxHxD)		mm		(880x1,695x765)x2		1,295x1,695x765 + 880x1,695x765		880x1,695x765 + 1,295x1,695x765	
	Shipping Dimensions (WxHxD)		mm		(948x1,887x832)x2		1,363x1,887x832 + 948x1,887x832		948x1,887x832 + 1,363x1,887x832	
Operating Temp.	Cooling		°C		-15.0 ~ 48.0		-15.0 ~ 48.0		-15.0 ~ 48.0	
	Heating		°C		-25.0 ~ 24.0		-25.0 ~ 24.0		-25.0 ~ 24.0	

* Specifications may be subject to change without prior notice.

1) Nominal cooling capacities are based on;

- Indoor temperature : 27°C DB, 19°C WB

- Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

2) Nominal heating capacities are based on;

- Indoor temperature : 20°C DB, 15°C WB

- Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.

4) These products contain R410A which is fluorinated greenhouse gas.

5) 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.)

When the outdoor unit is below the indoor unit & the level differences are 40m or more, contact your local dealer for more information.

* PDM kit: Pressure Drop Modulation kit

2 Specifications : H/R - High EER type

Outdoor

Type			DVM S(NEW)	DVM S(NEW)	DVM S(NEW)	DVM S(NEW)
Model Name			AM320JXVHGR1EU	AM340JXVHGR1EU	AM360JXVHGR1EU	AM380JXVHGR1EU
Power Supply			Ø, #, V, Hz	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
Mode			-	HR	HR	HR
Performance	HP		HP	32.00	34.00	36.00
	Capacity (Nominal)	Cooling	kW	89.60	95.20	101.60
			Btu/h	305,700	324,800	346,700
		Heating	kW	100.80	107.10	114.30
			Btu/h	343,900	365,400	390,000
Power	Power Input (Nominal)	Cooling 1)	kW	20.62	23.32	26.30
		Heating 2)	kW	20.66	23.42	25.58
	Current Input (Nominal)	Cooling 1)	A	33.00	37.40	42.20
		Heating 2)	A	33.10	37.50	41.00
	MCA		A	67.50	69.50	76.50
COP	MFA		A	75.00	80.00	90.00
	EER (Nominal Cooling)		-	4.35	4.08	3.86
	COP (Nominal Heating)		-	4.88	4.57	4.47
	Energy Grade		-	ESEER 6.87	ESEER 6.64	ESEER 6.63
			-	-	-	-
Compressor	Type		-	SSC Scroll x 3	SSC Scroll x 3	SSC Scroll x 3
	Output		kW x n	(6.39) + (6.39x2)	(6.39) + (6.39x2)	(6.39) + (6.39x2)
	Model Name		-	DS-GB066FAVBSGx3	DS-GB066FAVBSGx3	DS-GB066FAVBSGx3
	Oil	Type	-	PVE	PVE	PVE
Fan	Type		-	Propeller	Propeller	Propeller
	Output x n		W	830.0 + 620.0x2	830.0 + 620.0x2	(620.0x2)x2
	Air Flow Rate		CMM	220.0 + 290.0	220.0 + 290.0	255.0 + 290.0
			l/s	3,666.7 + 4,833.3	3,666.7 + 4,833.3	4,250.0 + 4,833.3
	External Static	Max.	mmAQ	8.00	8.00	8.00
Piping Connections	Liquid Pipe		Ø, mm	19.05	19.05	19.05
			Ø, inch	3/4"	3/4"	3/4"
	Gas Pipe		Ø, mm	34.92	34.92	41.28
			Ø, inch	1 3/8"	1 3/8"	1 5/8"
	Discharge Gas Pipe		Ø, mm	28.58	28.58	34.92
			Ø, inch	1 1/8"	1 1/8"	1 3/8"
	Installation Limitation	Max. Length	m	200 (220)	200 (220)	200 (220)
		Max. Height	m	110 (110)	110 (110)	110 (110)
Field Wiring	Power Source Wire		mm ²	-	-	-
	Transmission Cable		mm ²	0.75 ~ 1.50	0.75 ~ 1.50	0.75 ~ 1.50
Refrigerant	Type		-	R410A	R410A	R410A
	Factory Charging		kg	14.90	14.90	16.10
Sound	Pressure		dBA	66.00	67.00	66.00
	Power			87.00	89.00	89.00
External Dimension	Net Weight		kg	200.5 + 306.0	200.5 + 306.0	241.0 + 306.0
	Shipping Weight		kg	216.5 + 325.0	216.5 + 325.0	260.0 + 325.0
	Net Dimensions (WxHxD)		mm	880x1,695x765 + 1,295x1,695x765	880x1,695x765 + 1,295x1,695x765	(1,295x1,695x765)x2
	Shipping Dimensions (WxHxD)		mm	948x1,887x832 + 1,363x1,887x832	948x1,887x832 + 1,363x1,887x832	(1,363x1,887x832)x2
Operating Temp.	Cooling		°C	-15.0 ~ 48.0	-15.0 ~ 48.0	-15.0 ~ 48.0
	Heating		°C	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0

* Specifications may be subject to change without prior notice.

1) Nominal cooling capacities are based on;

- Indoor temperature : 27°C DB, 19°C WB

- Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

2) Nominal heating capacities are based on;

- Indoor temperature : 20°C DB, 15°C WB

- Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.

4) These products contain R410A which is fluorinated greenhouse gas.

5) 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.)

When the outdoor unit is below the indoor unit & the level differences are 40m or more, contact your local dealer for more information.

* PDM kit: Pressure Drop Modulation kit

2 Specifications : H/R - High EER type

Outdoor

Type				DVM S(NEW)	DVM S(NEW)	DVM S(NEW)	DVM S(NEW)
Model Name				AM400JXVHGR1EU	AM420JXVHGR1EU	AM440JXVHGR1EU	AM460JXVHGR1EU
Power Supply			Ø, #, V, Hz	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
Mode			-	HR	HR	HR	HR
Performance	HP		HP	40.00	42.00	44.00	46.00
	Capacity (Nominal)	Cooling	kW	112.00	117.60	123.20	128.80
			Btu/h	382,200	401,300	420,400	439,500
		Heating	kW	126.00	132.30	138.60	144.90
			Btu/h	429,900	451,400	472,900	494,400
Power	Power Input (Nominal)	Cooling 1)	kW	26.10	28.80	31.50	30.89
		Heating 2)	kW	26.20	28.96	31.72	30.98
	Current Input (Nominal)	Cooling 1)	A	41.80	46.20	50.60	49.50
		Heating 2)	A	42.00	46.40	50.80	49.60
	MCA		A	85.00	87.00	89.00	94.50
	MFA		A	100.00	100.00	100.00	125.00
COP	EER (Nominal Cooling)		-	4.29	4.08	3.91	4.17
	COP (Nominal Heating)		-	4.81	4.57	4.37	4.68
	Energy Grade	-	ESEER 6.66	ESEER 6.48	ESEER 6.32	ESEER 6.79	
		-	-	-	-	-	
Compressor	Type		-	SSC Scroll x 4	SSC Scroll x 4	SSC Scroll x 4	SSC Scroll x 4
	Output		kW x n	(6.39x2)x2	(6.39x2) + (6.39x2)	(6.39x2)x2	(6.39)x2 + (6.39x2)
	Model Name		-	DS-GB066FAVBSGx4	DS-GB066FAVBSGx4	DS-GB066FAVBSGx4	DS-GB066FAVBSGx4
	Oil	Type	-	PVE	PVE	PVE	PVE
			-	PVE	PVE	PVE	PVE
Fan	Type		-	Propeller	Propeller	Propeller	Propeller
	Output x n		W	(620.0x2)x2	(620.0x2)x2	(620.0x2)x2	(830.0)x2 + 620.0x2
	Air Flow Rate		CMM	290.0x2	290.0x2	290.0x2	220.0x2 + 290.0
			l/s	4,833.3x2	4,833.3x2	4,833.3x2	3,666.7x2 + 4,833.3
	External Static	Max.	mmAQ	8.00	8.00	8.00	8.00
			Pa	78.40	78.40	78.40	78.40
Piping Connections	Liquid Pipe		Ø, mm	19.05	19.05	19.05	19.05
			Ø, inch	3/4"	3/4"	3/4"	3/4"
	Gas Pipe		Ø, mm	41.28	41.28	41.28	41.28
			Ø, inch	1 5/8"	1 5/8"	1 5/8"	1 5/8"
	Discharge Gas Pipe		Ø, mm	34.92	34.92	34.92	34.92
			Ø, inch	1 3/8"	1 3/8"	1 3/8"	1 3/8"
	Installation Limitation	Max. Length	m	200 (220)	200 (220)	200 (220)	200 (220)
		Max. Height	m	110 (110)	110 (110)	110 (110)	110 (110)
Field Wiring	Power Source Wire		mm²	-	-	-	-
	Transmission Cable		mm²	0.75 ~ 1.50	0.75 ~ 1.50	0.75 ~ 1.50	0.75 ~ 1.50
Refrigerant	Type		-	R410A	R410A	R410A	R410A
	Factory Charging		kg	16.80	16.80	16.80	21.40
Sound	Pressure		dBA	67.00	68.00	68.00	68.00
	Power			89.00	90.00	91.00	89.00
External Dimension	Net Weight		kg	302.0x2	302.0x2	302.0x2	200.5x2 + 302.0
	Shipping Weight		kg	321.0x2	321.0x2	321.0x2	216.5x2 + 321.0
	Net Dimensions (WxHxD)		mm	(1,295x1,695x765)x2	(1,295x1,695x765)x2	(1,295x1,695x765)x2	(880x1,695x765)x2 + 1,295x1,695x765
	Shipping Dimensions (WxHxD)		mm	(1,363x1,887x832)x2	(1,363x1,887x832)x2	(1,363x1,887x832)x2	(948x1,887x832)x2 + 1,363x1,887x832
Operating Temp.	Cooling		°C	-15.0 ~ 48.0	-15.0 ~ 48.0	-15.0 ~ 48.0	-15.0 ~ 48.0
	Heating		°C	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0

* Specifications may be subject to change without prior notice.

1) Nominal cooling capacities are based on;

- Indoor temperature : 27°C DB, 19°C WB

- Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

2) Nominal heating capacities are based on;

- Indoor temperature : 20°C DB, 15°C WB

- Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.

4) These products contain R410A which is fluorinated greenhouse gas.

5) 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.)

When the outdoor unit is below the indoor unit & the level differences are 40m or more, contact your local dealer for more information.

* PDM kit: Pressure Drop Modulation kit

2 Specifications : H/R - High EER type

Outdoor

Type			DVM S(NEW)		DVM S(NEW)		DVM S(NEW)		DVM S(NEW)	
Model Name			AM480JXVHGR1EU		AM500JXVHGR1EU		AM520JXVHGR1EU		AM540JXVHGR1EU	
Power Supply			Ø, #, V, Hz		3,4,380-415,50		3,4,380-415,50		3,4,380-415,50	
Mode			-		HR		HR		HR	
Performance	HP		HP		48.00		50.00		52.00	
	Capacity (Nominal)	Cooling	kW		135.20		140.20		145.60	
			Btu/h		461,300		478,400		496,800	
		Heating	kW		152.10		157.50		163.80	
			Btu/h		519,000		537,400		558,900	
Power	Power Input (Nominal)	Cooling 1)	kW		33.87		34.24		34.83	
		Heating 2)	kW		33.14		34.17		35.04	
	Current Input (Nominal)	Cooling 1)	A		54.30		54.90		55.90	
		Heating 2)	A		53.10		54.70		56.10	
	MCA		A		94.5		101.50		108.60	
COP	MFA		A		125.00		125.00		125.00	
	EER (Nominal Cooling)		-		3.99		4.09		4.18	
	COP (Nominal Heating)		-		4.59		4.61		4.67	
	Energy Grade		-		ESEER 6.78		ESEER 6.70		ESEER 6.66	
			-		-		-		-	
Compressor	Type		-		SSC Scroll x 4		SSC Scroll x 5		SSC Scroll x 5	
	Output		kW x n		(6.39) + (6.39) + (6.39x2)		(6.39) + (4.39x2) + (6.39x2)		(6.39) + (6.39x2) + (6.39x2)	
	Model Name		-		DS-GB066FAVBSGx4		DS-GB066FAVBSGx3 + DS-GA046FAVASGx2		DS-GB066FAVBSGx5	
	Oil		Type		PVE		PVE		PVE	
			-		PVE		PVE		PVE	
Fan	Type		-		Propeller		Propeller		Propeller	
	Output x n		W		(620.0x2)x2 + 830.0		830.0 + (620.0x2)x2		830.0 + (620.0x2)x2	
	Air Flow Rate		CMM		255.0 + 220.0 + 290.0		220.0 + 255.0 + 290.0		220.0 + 290.0x2	
			l/s		4,250.0 + 3,666.7 + 4,833.3		3,666.7 + 4,250.0 + 4,833.3		3,666.7 + 4,833.3x2	
	External Static		Max.		mmAQ		8.00		8.00	
Piping Connections			Pa		78.40		78.40		78.40	
	Liquid Pipe		Ø, mm		19.05		19.05		19.05	
			Ø, inch		3/4"		3/4"		3/4"	
	Gas Pipe		Ø, mm		41.28		41.28		41.28	
			Ø, inch		1 5/8"		1 5/8"		1 5/8"	
	Discharge Gas Pipe		Ø, mm		34.92		34.92		34.92	
			Ø, inch		1 3/8"		1 3/8"		1 3/8"	
	Installation Limitation	Max. Length	m		200 (220)		200 (220)		200 (220)	
		Max. Height	m		110 (110)		110 (110)		110 (110)	
Field Wiring	Power Source Wire		mm ²		-		-		-	
	Transmission Cable		mm ²		0.75 ~ 1.50		0.75 ~ 1.50		0.75 ~ 1.50	
Refrigerant	Type		-		R410A		R410A		R410A	
	Factory Charging		kg		22.60		22.60		23.30	
Sound	Pressure		dBA		68.00		68.00		68.00	
	Power				89.00		90.00		90.00	
External Dimension	Net Weight		kg		237.0 + 200.5 + 302.0		200.5 + 268.0 + 302.0		200.5 + 306.0x2	
	Shipping Weight		kg		256.0 + 216.5 + 321.0		216.5 + 287.0 + 321.0		216.5 + 321.0x2	
	Net Dimensions (WxHxD)		mm		(1,295x1,695x765)x2 + 880x1,695x765		880x1,695x765 + (1,295x1,695x765)x2		880x1,695x765 + (1,295x1,695x765)x2	
	Shipping Dimensions (WxHxD)		mm		(1,363x1,887x832)x2 + 948x1,887x832		948x1,887x832 + (1,363x1,887x832)x2		948x1,887x832 + (1,363x1,887x832)x2	
Operating Temp.	Cooling		°C		-15.0 ~ 48.0		-15.0 ~ 48.0		-15.0 ~ 48.0	
	Heating		°C		-25.0 ~ 24.0		-25.0 ~ 24.0		-25.0 ~ 24.0	

* Specifications may be subject to change without prior notice.

1) Nominal cooling capacities are based on;

- Indoor temperature : 27°C DB, 19°C WB

- Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

2) Nominal heating capacities are based on;

- Indoor temperature : 20°C DB, 15°C WB

- Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.

4) These products contain R410A which is fluorinated greenhouse gas.

5) 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.)

When the outdoor unit is below the indoor unit & the level differences are 40m or more, contact your local dealer for more information.

* PDM kit: Pressure Drop Modulation kit

2 Specifications : H/R - High EER type

Outdoor

Type				DVM S(NEW)	DVM S(NEW)	DVM S(NEW)	DVM S(NEW)
Model Name				AM560JXVHGR1EU	AM580JXVHGR1EU	AM600JXVHGR1EU	AM620JXVHGR1EU
Power Supply			Ø, #, V, Hz	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
Mode			-	HR	HR	HR	HR
Performance	HP		HP	56.00	58.00	60.00	62.00
	Capacity (Nominal)	Cooling	kW	156.80	163.20	168.20	173.60
			Btu/h	535,000	556,900	573,900	592,300
		Heating	kW	176.40	183.60	189.00	195.30
			Btu/h	601,900	626,500	644,900	666,400
Power	Power Input (Nominal)	Cooling 1)	kW	39.07	42.05	42.42	41.85
		Heating 2)	kW	39.28	41.44	42.47	42.06
	Current Input (Nominal)	Cooling 1)	A	62.70	67.50	68.10	67.10
		Heating 2)	A	62.90	66.40	68.00	67.40
	MCA		A	114.00	114.00	121.00	129.50
	MFA		A	125.00	125.00	150.00	150.00
COP	EER (Nominal Cooling)		-	4.01	3.88	3.97	4.15
	COP (Nominal Heating)		-	4.49	4.43	4.45	4.64
	Energy Grade		-	ESEER 6.52	ESEER 6.52	ESEER 6.45	ESEER 6.54
			-	-	-	-	-
Compressor	Type		-	SSC Scroll x 5	SSC Scroll x 5	SSC Scroll x 6	SSC Scroll x 6
	Output		kW x n	(6.39) + (6.39x2)x2	(6.39) + (6.39x2)x2	(4.39x2) + (6.39x2)x2	(6.39x2)x2 + (6.39x2)
	Model Name		-	DS-GB066FAVBSGx5	DS-GB066FAVBSGx5	DS-GA046FAVASGx2 + DS-GB066FAVBSGx4	DS-GB066FAVBSGx6
	Oil	Type	-	PVE	PVE	PVE	PVE
			-	PVE	PVE	PVE	PVE
Fan	Type		-	Propeller	Propeller	Propeller	Propeller
	Output x n		W	830.0 + (620.0x2)x2	(620.0x2)x3	(620.0x2)x3	(620.0x2)x3
	Air Flow Rate		CMM	220.0 + 290.0x2	255.0 + 290.0x2	255.0 + 290.0x2	290.0x3
			l/s	3,666.7 + 4,833.3x2	4,250.0 + 4,833.3x2	4,250.0 + 4,833.3x2	4,833.3x3
	External Static	Max.	mmAQ	8.00	8.00	8.00	8.00
			Pa	78.40	78.40	78.40	78.40
Piping Connections	Liquid Pipe		Ø, mm	19.05	19.05	19.05	22.22
			Ø, inch	3/4"	3/4"	3/4"	7/8"
	Gas Pipe		Ø, mm	41.28	41.28	41.28	53.98
			Ø, inch	1 5/8"	1 5/8"	1 5/8"	2 1/8"
	Discharge Gas Pipe		Ø, mm	34.92	34.92	34.92	41.28
			Ø, inch	1 3/8"	1 3/8"	1 3/8"	1 5/8"
	Installation Limitation	Max. Length	m	200 (220)	200 (220)	200 (220)	200 (220)
			Max. Height	m	110 (110)	110 (110)	110 (110)
Field Wiring	Power Source Wire		mm²	-	-	-	-
	Transmission Cable		mm²	0.75 ~ 1.50	0.75 ~ 1.50	0.75 ~ 1.50	0.75 ~ 1.50
Refrigerant	Type		-	R410A	R410A	R410A	R410A
	Factory Charging		kg	23.30	24.50	24.50	25.20
Sound	Pressure		dBA	69.00	69.00	69.00	69.00
	Power			91.00	91.00	92.00	92.00
External Dimension	Net Weight		kg	200.5 + 302.0x2	237.0 + 302.0x2	268.0 + 302.0x2	302.0x3
	Shipping Weight		kg	216.5 + 321.0x2	256.0 + 321.0x2	287.0 + 321.0x2	321.0x3
	Net Dimensions (WxHxD)		mm	880x1,695x765 + (1,295x1,695x765)x2	(1,295x1,695x765)x3	(1,295x1,695x765)x3	(1,295x1,695x765)x3
	Shipping Dimensions (WxHxD)		mm	948x1,887x832 + (1,363x1,887x832)x2	(1,363x1,887x832)x3	(1,363x1,887x832)x3	(1,363x1,887x832)x3
Operating Temp.	Cooling		°C	-15.0 ~ 48.0	-15.0 ~ 48.0	-15.0 ~ 48.0	-15.0 ~ 48.0
	Heating		°C	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0

* Specifications may be subject to change without prior notice.

1) Nominal cooling capacities are based on;

- Indoor temperature : 27°C DB, 19°C WB

- Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

2) Nominal heating capacities are based on;

- Indoor temperature : 20°C DB, 15°C WB

- Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.

4) These products contain R410A which is fluorinated greenhouse gas.

5) 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.)

When the outdoor unit is below the indoor unit & the level differences are 40m or more, contact your local dealer for more information.

* PDM kit: Pressure Drop Modulation kit

2 Specifications : H/R - High EER type

Outdoor

Type			DVM S(NEW)	DVM S(NEW)	DVM S(NEW)	DVM S(NEW)
Model Name			AM640JXVHGR1EU	AM660JXVHGR1EU	AM680JXVHGR1EU	AM700JXVHGR1EU
Power Supply			Ø, #, V, Hz	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
Mode			-	HR	HR	HR
Performance	HP		HP	64.00	66.00	68.00
	Capacity (Nominal)	Cooling	kW	179.20	184.80	190.40
			Btu/h	611,500	630,600	649,700
		Heating	kW	201.60	207.90	214.20
			Btu/h	687,900	709,400	730,900
Power	Power Input (Nominal)	Cooling 1)	kW	44.55	47.25	46.64
		Heating 2)	kW	44.82	47.58	46.84
	Current Input (Nominal)	Cooling 1)	A	71.50	75.90	74.80
		Heating 2)	A	71.80	76.20	75.00
	MCA		A	131.5	133.50	139.0
COP	MFA		A	150.00	150.00	175.00
	EER (Nominal Cooling)		-	4.02	3.91	4.08
	COP (Nominal Heating)		-	4.50	4.37	4.57
	Energy Grade		-	ESEER 6.43	ESEER 6.32	ESEER 6.64
Compressor	Type		-	SSC Scroll x 6	SSC Scroll x 6	SSC Scroll x 6
	Output		kW x n	(6.39x2) + (6.39x2)x2	(6.39x2)x3	(6.39)x2 + (6.39x2)x2
	Model Name		-	DS-GB066FAVBSGx6	DS-GB066FAVBSGx6	DS-GB066FAVBSGx6
	Oil	Type	-	PVE	PVE	PVE
Fan	Type		-	Propeller	Propeller	Propeller
	Output x n		W	(620.0x2)x3	(620.0x2)x3	(830.0)x2 + (620.0x2)x2
	Air Flow Rate		CMM	290.0x3	290.0x3	220.0x2 + 290.0x2
			l/s	4,833.3x3	4,833.3x3	4,250.0 + 3,666.7 + 4,833.3x2
Piping Connections	External Static	Max.	mmAQ	8.00	8.00	8.00
			Pa	78.40	78.40	78.40
	Liquid Pipe		Ø, mm	22.22	22.22	22.22
			Ø, inch	7/8"	7/8"	7/8"
	Gas Pipe		Ø, mm	53.98	53.98	53.98
			Ø, inch	2 1/8"	2 1/8"	2 1/8"
	Discharge Gas Pipe		Ø, mm	41.28	41.28	41.28
			Ø, inch	1 5/8"	1 5/8"	1 5/8"
Installation Limitation	Max. Length		m	200 (220)	200 (220)	200 (220)
	Max. Height		m	110 (110)	110 (110)	110 (110)
Field Wiring	Power Source Wire		mm ²	-	-	-
	Transmission Cable		mm ²	0.75 ~ 1.50	0.75 ~ 1.50	0.75 ~ 1.50
Refrigerant	Type		-	R410A	R410A	R410A
	Factory Charging		kg	25.20	25.20	29.80
Sound	Pressure		dBA	69.00	70.00	70.00
	Power			92.00	92.00	92.00
External Dimension	Net Weight		kg	302.0x3	302.0x3	200.5x2 + 302.0x2
	Shipping Weight		kg	321.0x3	321.0x3	216.5x2 + 321.0x2
	Net Dimensions (WxHxD)		mm	(1,295x1,695x765)x3	(1,295x1,695x765)x3	(880x1,695x765)x2 + (1,295x1,695x765)x2
	Shipping Dimensions (WxHxD)		mm	(1,363x1,887x832)x3	(1,363x1,887x832)x3	(948x1,887x832)x2 + (1,363x1,887x832)x2
Operating Temp.	Cooling		°C	-15.0 ~ 48.0	-15.0 ~ 48.0	-15.0 ~ 48.0
	Heating		°C	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0

* Specifications may be subject to change without prior notice.

1) Nominal cooling capacities are based on;

- Indoor temperature : 27°C DB, 19°C WB

- Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

2) Nominal heating capacities are based on;

- Indoor temperature : 20°C DB, 15°C WB

- Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.

4) These products contain R410A which is fluorinated greenhouse gas.

5) 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.)

When the outdoor unit is below the indoor unit & the level differences are 40m or more, contact your local dealer for more information.

* PDM kit: Pressure Drop Modulation kit

2 Specifications : H/R - High EER type

Outdoor

Type			DVM S(NEW)	DVM S(NEW)	DVM S(NEW)	DVM S(NEW)
Model Name			AM720JXVHGR1EU	AM740JXVHGR1EU	AM760JXVHGR1EU	AM780JXVHGR1EU
Power Supply			Ø, #, V, Hz	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
Mode			-	HR	HR	HR
Performance	HP		HP	72.00	74.00	76.00
	Capacity (Nominal)	Cooling	kW	201.80	207.20	212.80
			Btu/h	688,600	707,000	726,100
		Heating	kW	226.80	233.10	239.40
			Btu/h	773,900	795,400	816,900
Power	Power Input (Nominal)	Cooling 1)	kW	49.99	50.58	52.12
		Heating 2)	kW	50.03	50.90	52.38
	Current Input (Nominal)	Cooling 1)	A	80.20	81.20	83.60
		Heating 2)	A	80.10	81.50	83.90
	MCA		A	146	153.10	156.50
COP	MFA		A	175.00	175.00	175.00
	EER (Nominal Cooling)		-	4.04	4.10	4.08
	COP (Nominal Heating)		-	4.53	4.58	4.57
	Energy Grade		-	ESEER 6.58	ESEER 6.56	ESEER 6.55
			-	-	-	-
Compressor	Type		-	SSC Scroll x 7	SSC Scroll x 7	SSC Scroll x 7
	Output		kW x n	(6.39) + (4.39x2) + (6.39x2)x2	(6.39) + (6.39x2) + (6.39x2)x2	(6.39) + (6.39x2)x3
	Model Name		-	DS-GB066FAVBSGx5 + DS-GA046FAVASGx2	DS-GB066FAVBSGx7	DS-GB066FAVBSGx7
	Oil	Type	-	PVE	PVE	PVE
			-	PVE	PVE	PVE
Fan	Type		-	Propeller	Propeller	Propeller
	Output x n		W	830.0 + (620.0x2)x3	830.0 + (620.0x2)x3	830.0 + (620.0x2)x3
	Air Flow Rate		CMM	220.0 + 255.0 + 290.0x2	220.0 + 290.0x3	220.0 + 290.0x3
			l/s	3,666.7 + 4,250.0 + 4,833.3x2	3,666.7 + 4,833.3x3	3,666.7 + 4,833.3x3
	External Static	Max.	mmAQ	8.00	8.00	8.00
Piping Connections	Liquid Pipe		Pa	78.40	78.40	78.40
			Ø, mm	22.22	22.22	22.22
	Gas Pipe		Ø, mm	7/8"	7/8"	7/8"
			Ø, inch	53.98	53.98	53.98
	Discharge Gas Pipe		Ø, mm	2 1/8"	2 1/8"	2 1/8"
			Ø, inch	41.28	41.28	41.28
	Installation Limitation	Max. Length	m	1 5/8"	1 5/8"	1 5/8"
		Max. Height	m	200 (220)	200 (220)	200 (220)
Field Wiring	Power Source Wire		mm ²	110 (110)	110 (110)	110 (110)
	Transmission Cable		mm ²	200 (220)	200 (220)	200 (220)
Refrigerant	Type		-	-	-	-
	Factory Charging		kg	0.75 ~ 1.50	0.75 ~ 1.50	0.75 ~ 1.50
Sound	Pressure		dBA	70.00	70.00	70.00
	Power		dBA	92.00	92.00	93.00
External Dimension	Net Weight		kg	200.5 + 268.0 + 302.0x2	200.5 + 302.0x3	200.5 + 302.0x3
	Shipping Weight		kg	216.5 + 287.0 + 321.0x2	216.5 + 321.0x3	216.5 + 321.0x3
	Net Dimensions (WxHxD)		mm	880x1,695x765 + (1,295x1,695x765)x3	880x1,695x765 + (1,295x1,695x765)x3	880x1,695x765 + (1,295x1,695x765)x3
	Shipping Dimensions (WxHxD)		mm	880x1,695x765 + (1,295x1,695x765)x3	880x1,695x765 + (1,295x1,695x765)x3	880x1,695x765 + (1,295x1,695x765)x3
Operating Temp.	Cooling		°C	948x1,887x832 + (1,363x1,887x832)x3	948x1,887x832 + (1,363x1,887x832)x3	948x1,887x832 + (1,363x1,887x832)x3
	Heating		°C	-15.0 ~ 48.0	-15.0 ~ 48.0	-15.0 ~ 48.0

* Specifications may be subject to change without prior notice.

1) Nominal cooling capacities are based on;

- Indoor temperature : 27°C DB, 19°C WB

- Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

2) Nominal heating capacities are based on;

- Indoor temperature : 20°C DB, 15°C WB

- Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.

4) These products contain R410A which is fluorinated greenhouse gas.

5) 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.)

When the outdoor unit is below the indoor unit & the level differences are 40m or more, contact your local dealer for more information.

* PDM kit: Pressure Drop Modulation kit

2 Specifications : H/R - High EER type

Outdoor

Type			DVM S(NEW)	
Model Name			AM800JXVHGR1EU	
Power Supply		Ø, #, V, Hz	3,4,380-415,50	
Mode		-	HR	
Performance	HP		HP	80.00
	Capacity (Nominal)	Cooling	kW	224.80
			Btu/h	767,000
		Heating	kW	252.90
			Btu/h	862,900
Power	Power Input (Nominal)	Cooling 1)	kW	57.80
		Heating 2)	kW	57.30
	Current Input (Nominal)	Cooling 1)	A	92.80
		Heating 2)	A	91.80
	MCA		A	158.50
	MFA		A	175.00
COP	EER (Nominal Cooling)		-	3.89
	COP (Nominal Heating)		-	4.41
	Energy Grade		-	ESEER 6.46
			-	-
Compressor	Type		-	SSC Scroll x 7
	Output		kW x n	(6.39) + (6.39x2)x3
	Model Name		-	DS-GB066FAVBSGx7
	Oil	Type	-	PVE
Fan	Type		-	Propeller
	Output x n		W	(620.0x2)x4
	Air Flow Rate		CMM	255.0 + 290.0x3
			l/s	4,250.0 + 4,833.3x3
	External Static	Max.	mmAQ	8.00
			Pa	78.40
Piping Connections	Liquid Pipe		Ø, mm	22.22
			Ø, inch	7/8"
	Gas Pipe		Ø, mm	53.98
			Ø, inch	2 1/8"
	Discharge Gas Pipe		Ø, mm	41.28
			Ø, inch	1 5/8"
	Installation Limitation	Max. Length	m	200 (220)
		Max. Height	m	110 (110)
Field Wiring	Power Source Wire		mm²	-
	Transmission Cable		mm²	0.75 ~ 1.50
Refrigerant	Type		-	R410A
	Factory Charging		kg	32.90
Sound	Pressure		dBA	70.00
	Power			93.00
External Dimension	Net Weight		kg	237.0 + 302.0x3
	Shipping Weight		kg	256.0 + 321.0x3
	Net Dimensions (WxHxD)		mm	(1,295x1,695x765)x4
	Shipping Dimensions (WxHxD)		mm	(1,363x1,887x832)x4
Operating Temp.	Cooling		°C	-15.0 ~ 48.0
	Heating		°C	-25.0 ~ 24.0

* Specifications may be subject to change without prior notice.

1) Nominal cooling capacities are based on;

- Indoor temperature : 27°C DB, 19°C WB

- Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

2) Nominal heating capacities are based on;

- Indoor temperature : 20°C DB, 15°C WB

- Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.

4) These products contain R410A which is fluorinated greenhouse gas.

5) If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under.

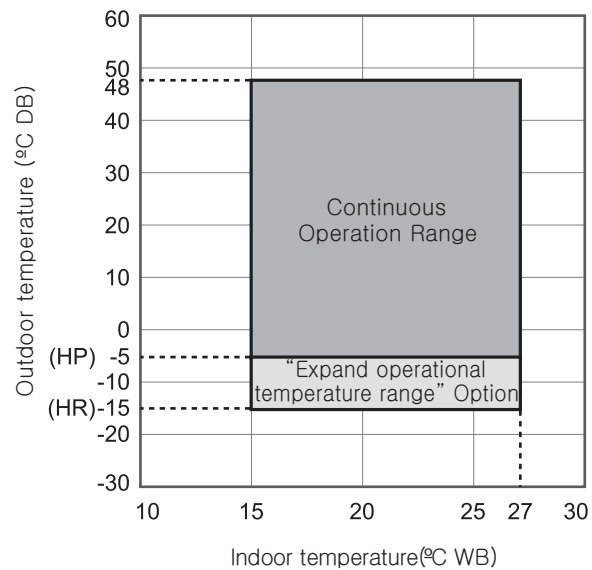
(If the level difference is higher than 50m, make a decision by PDM kit installation Guide software whether the PDM kit should be installed or not.)

When the outdoor unit is below the indoor unit & the level differences are 40m or more, contact your local dealer for more information.

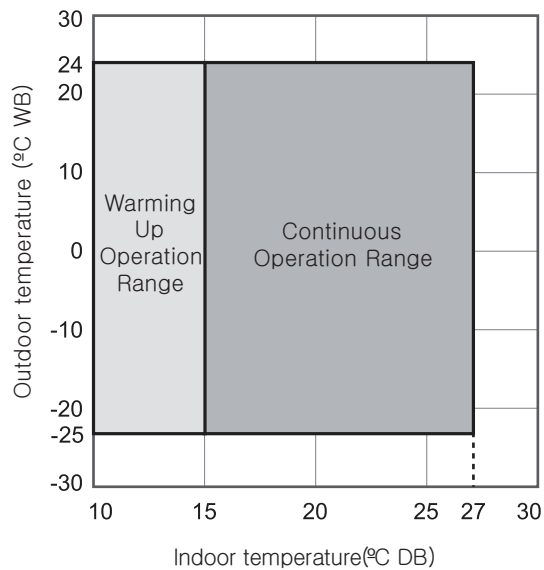
* PDM kit: Pressure Drop Modulation kit

3 Operation limit

Cooling



Heating



Defrosting correction factor

On heating operation, frost can be formed on heat exchanger according to outdoor temperature.

(Frost on heat exchanger results in decreasing the performance.)

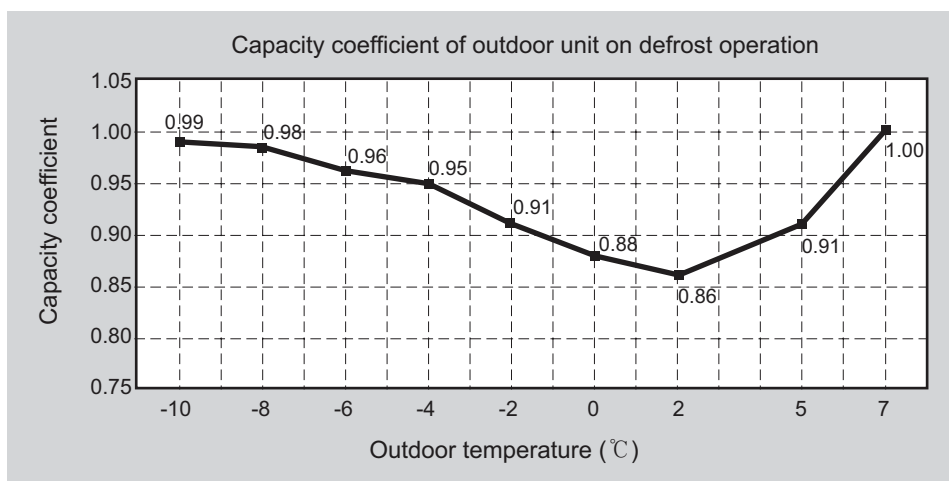
To remove frost on heat exchanger of outdoor unit, defrost operation is carried out periodically.

During defrost operation, capacity of outdoor unit may decrease.

The decrement is not considered to the individual capacity tables.

Outdoor temperature (°C, DB)	-10	-8	-6	-4	-2	0	2	5	7
Capacity coefficient	0.99	0.98	0.96	0.95	0.91	0.88	0.86	0.91	1.00

$$\text{Corrected Heating Capacity} = \text{Heating Capacity} \times \text{Capacity Coefficient}$$



4 Dimensional drawing

Heat Pump - High EER type

AM080JXVHGH/EU, AM100JXVHGH/EU, AM120JXVHGH/EU

Units : mm / inches

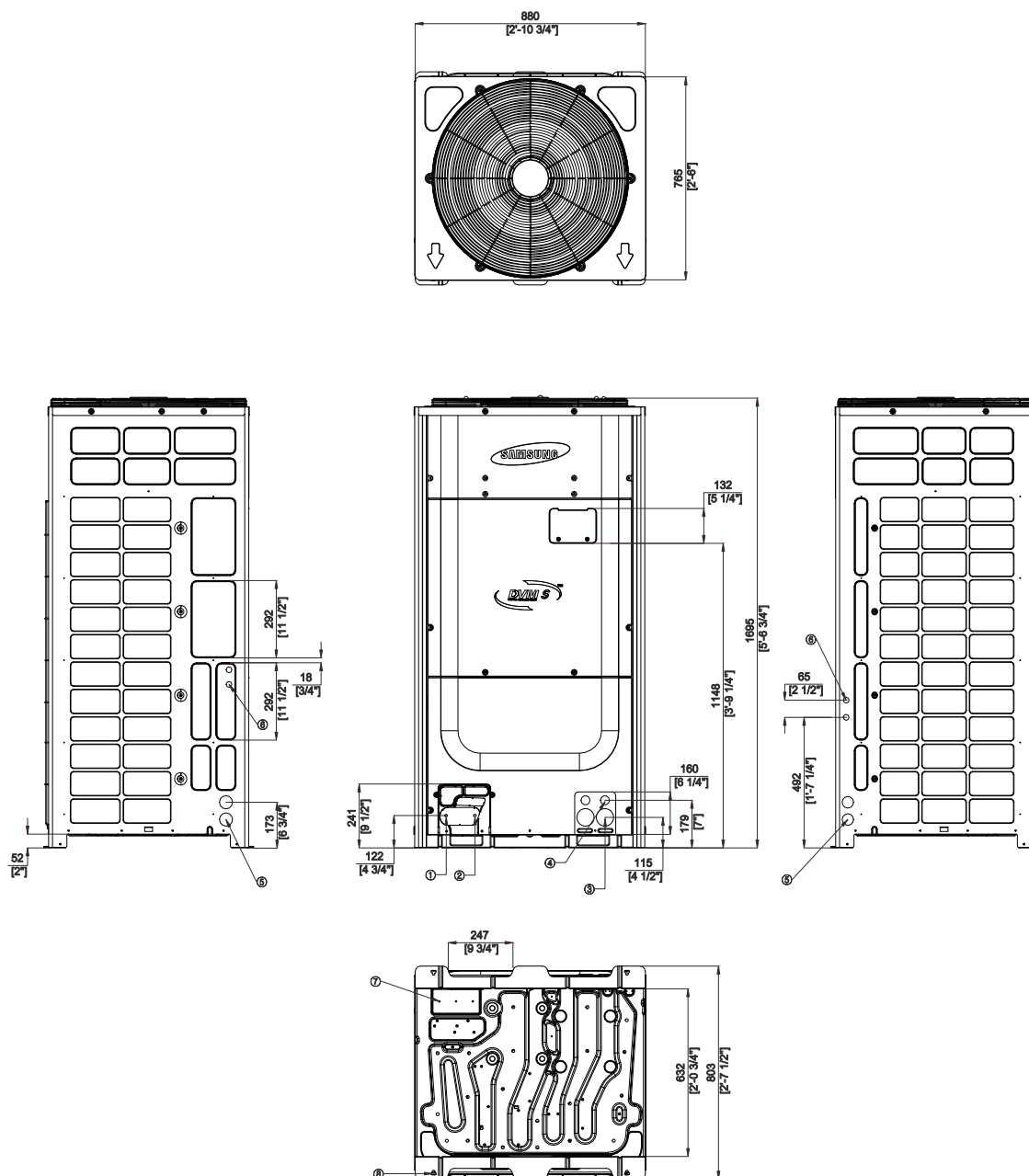


Table of descriptions

1	Refrigerant gas pipe	7	Knock-out Hole for Ref. Piping
2	Refrigerant liquid pipe	8	Anchor Bolt Hole
3	Power wiring conduit	9	
4	Communication wiring conduit	10	
5	Power wiring conduit	11	
6	Communication wiring conduit	12	

4 Dimensional drawing

Heat Pump - High EER type

AM140JXVHGH/EU, AM160JXVHGH/EU, AM180JXVHGH/EU, AM200JXVHGH/EU, AM220JXVHGH/EU, AM240HXVAGH/EU, AM260HXVAGH/EU

Units : mm / inches

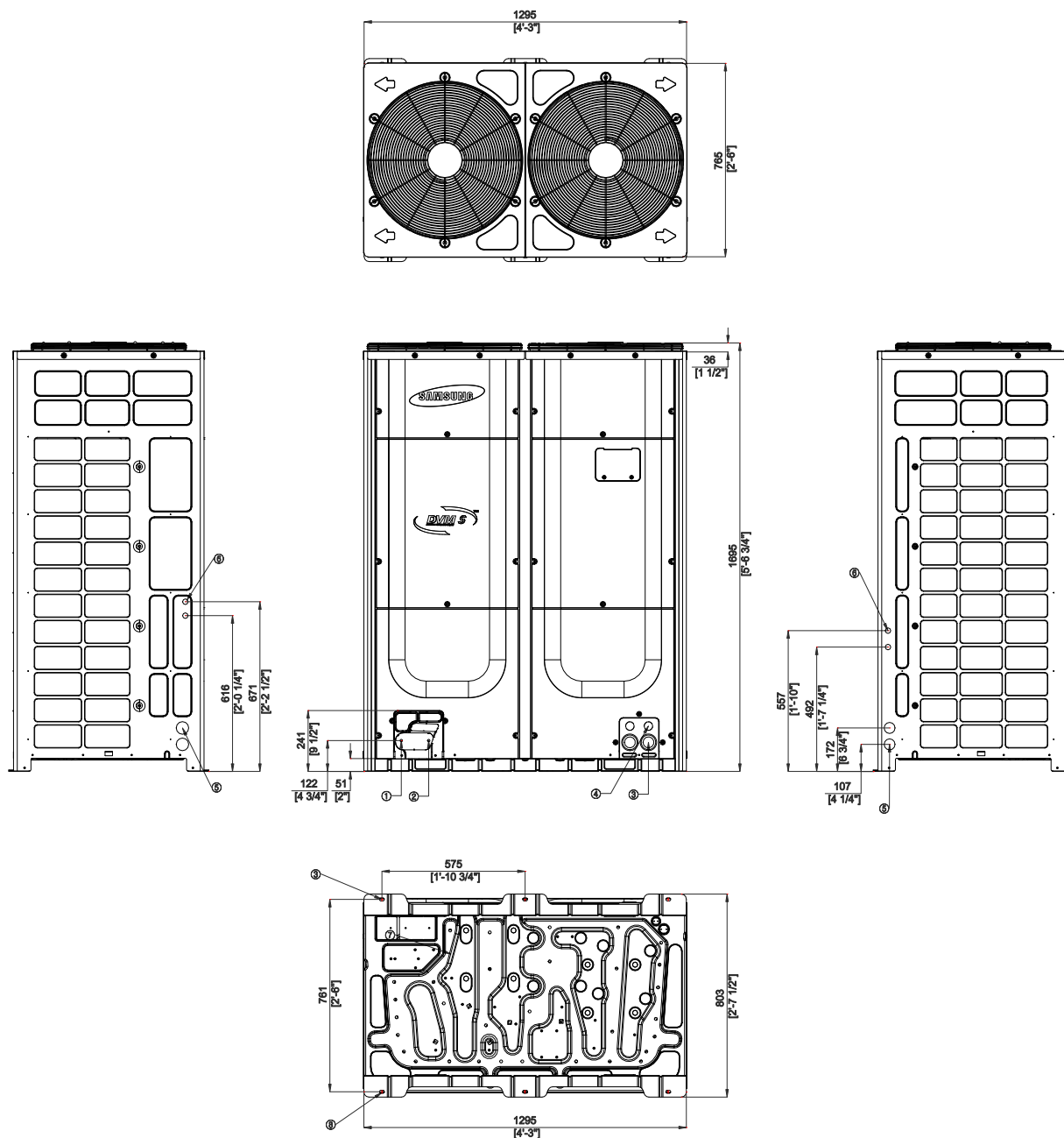


Table of descriptions

1	Gas Ref. pipe	7	Knock-out Hole for Ref. Piping
2	Liquid Ref. pipe	8	Anchor Bolt Hole
3	Power wiring conduit	9	
4	Communication wiring conduit	10	
5	Power wiring conduit	11	
6	Communication wiring conduit	12	

4 Dimensional drawing

Heat Pump - Standard type

AM080JXVAGH/EU, AM100JXVAGH/EU, AM120JXVAGH/EU

Units : mm / inches

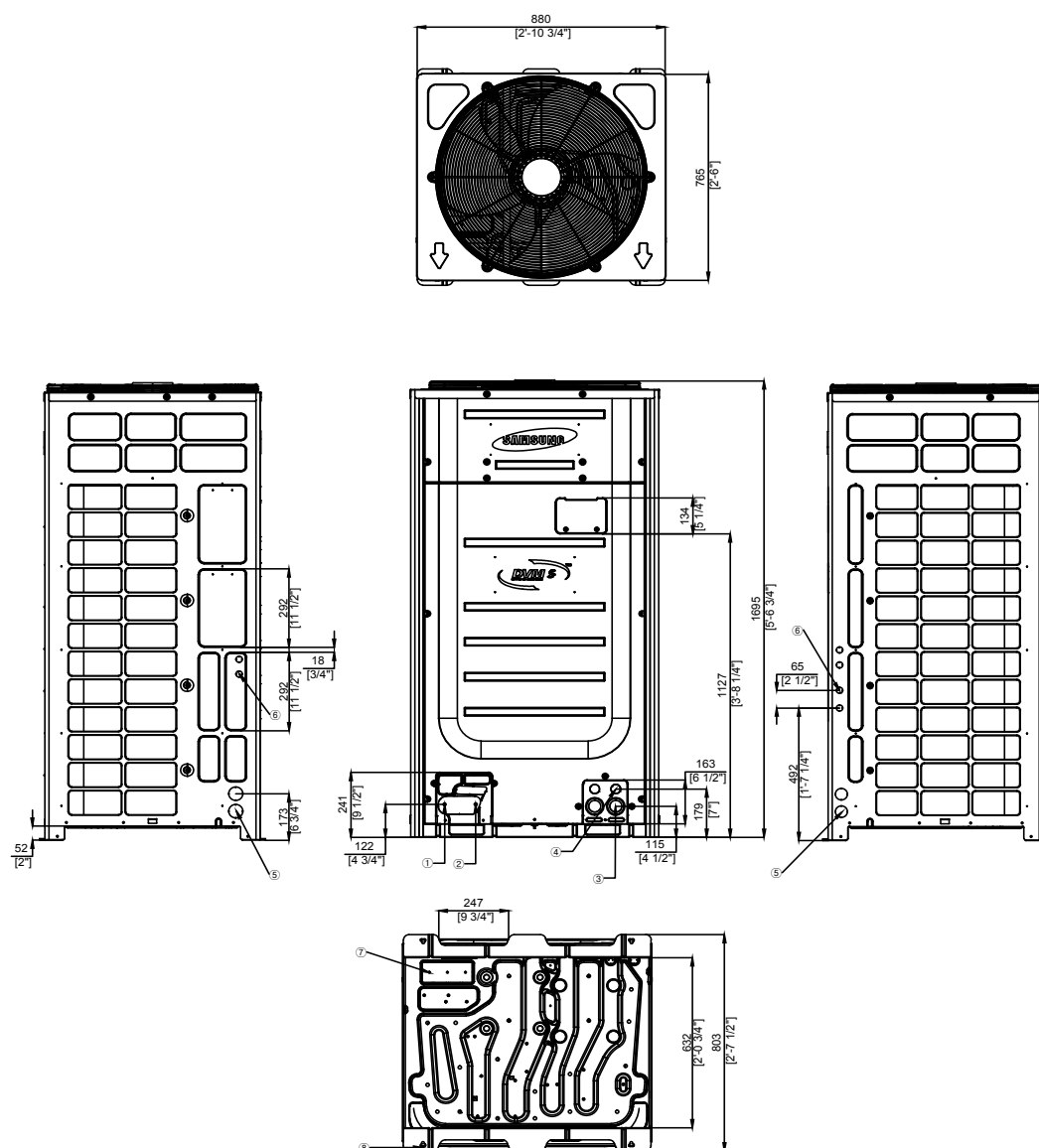


Table of descriptions

1	Refrigerant gas pipe	7	Knock-out Hole for Ref. Piping
2	Refrigerant liquid pipe	8	Anchor Bolt Hole
3	Power wiring conduit	9	
4	Communication wiring conduit	10	
5	Power wiring conduit	11	
6	Communication wiring conduit	12	

4 Dimensional drawing

Heat Pump - Standard type

AM140JXVAGH/EU, AM160JXVAGH/EU, AM180JXVAGH/EU, AM200JXVAGH/EU, AM220JXVAGH/EU

Units : mm / inches

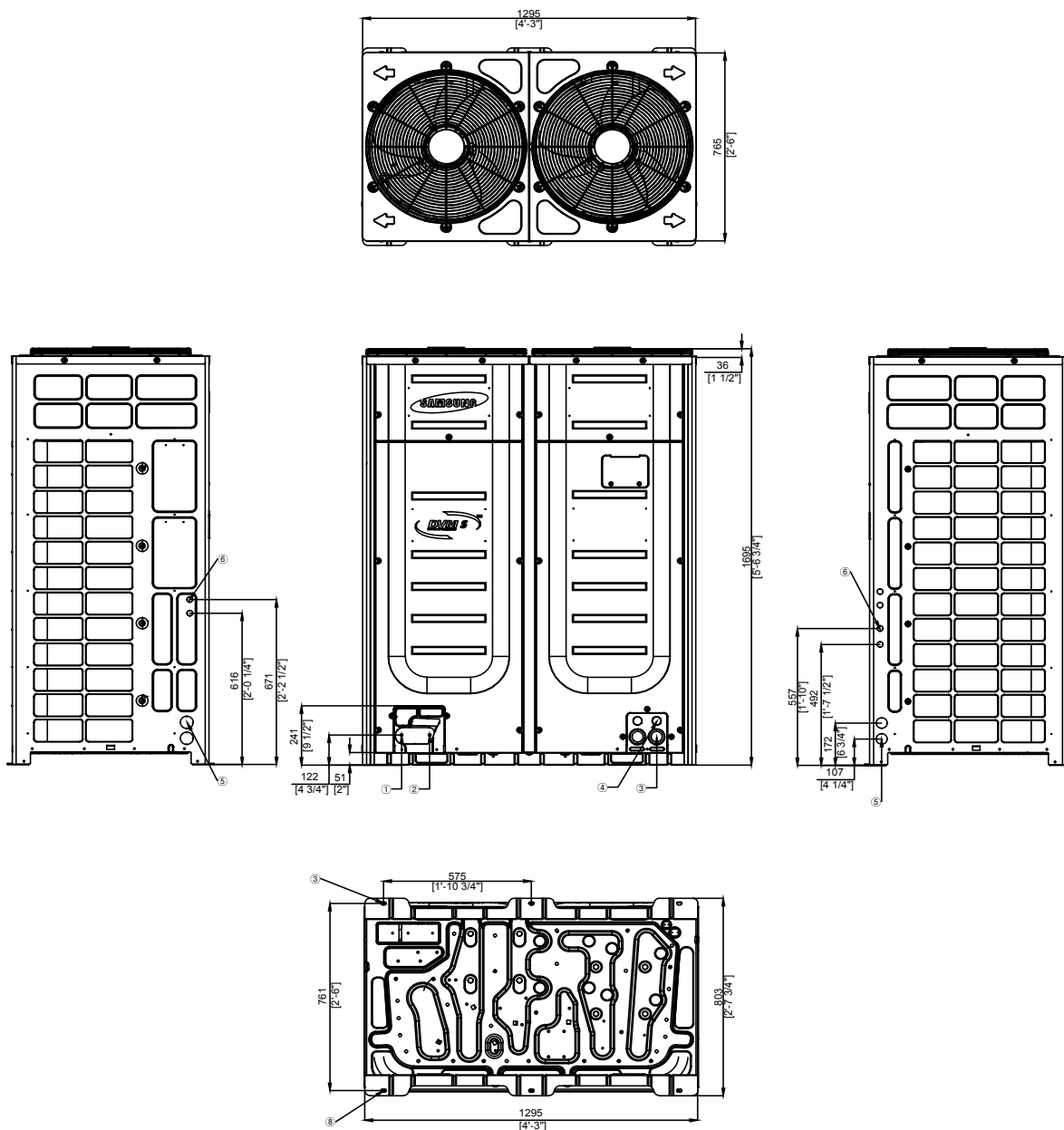


Table of descriptions

1	Gas Ref. pipe	7	Knock-out Hole for Ref. Piping
2	Liquid Ref. pipe	8	Anchor Bolt Hole
3	Power wiring conduit	9	
4	Communication wiring conduit	10	
5	Power wiring conduit	11	
6	Communication wiring conduit	12	

4 Dimensional drawing

Heat Recovery - High EER type

AM080JXVHGR/EU, AM100JXVHGR/EU, AM120JXVHGR/EU

Units : mm / inches

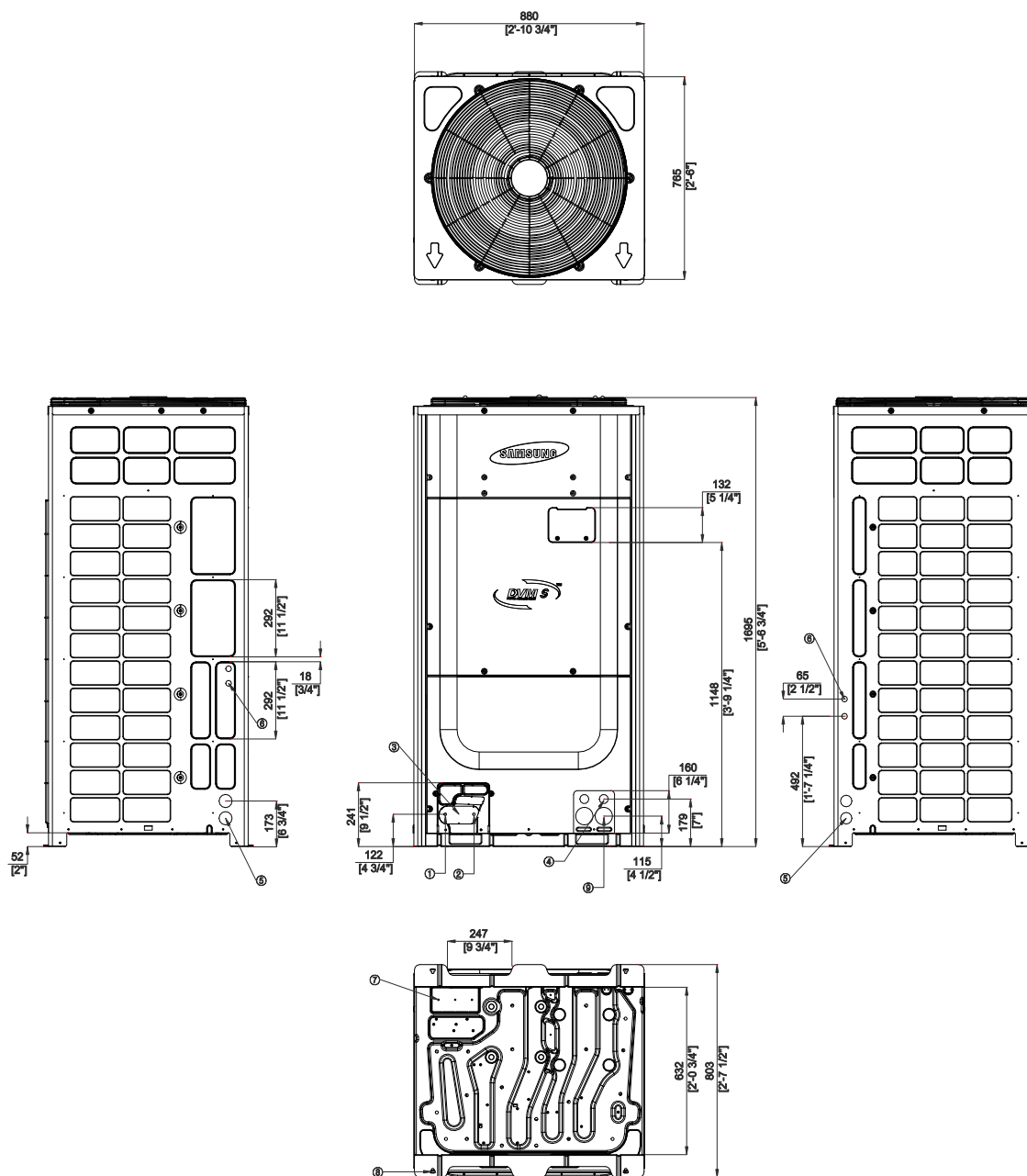


Table of descriptions

1	Low pressure gas pipe	7	Knock-out Hole for Ref. Piping
2	High pressure gas pipe	8	Anchor Bolt Hole
3	Liquid pipe	9	Power wiring conduit
4	Communication wiring conduit	10	
5	Power wiring conduit	11	
6	Communication wiring conduit	12	

4 Dimensional drawing

Heat Recovery - High EER type

AM140JXVHGR/EU, AM160JXVHGR/EU, AM180JXVHGR/EU, AM200JXVHGR/EU, AM220JXVHGR/EU

Units : mm / inches

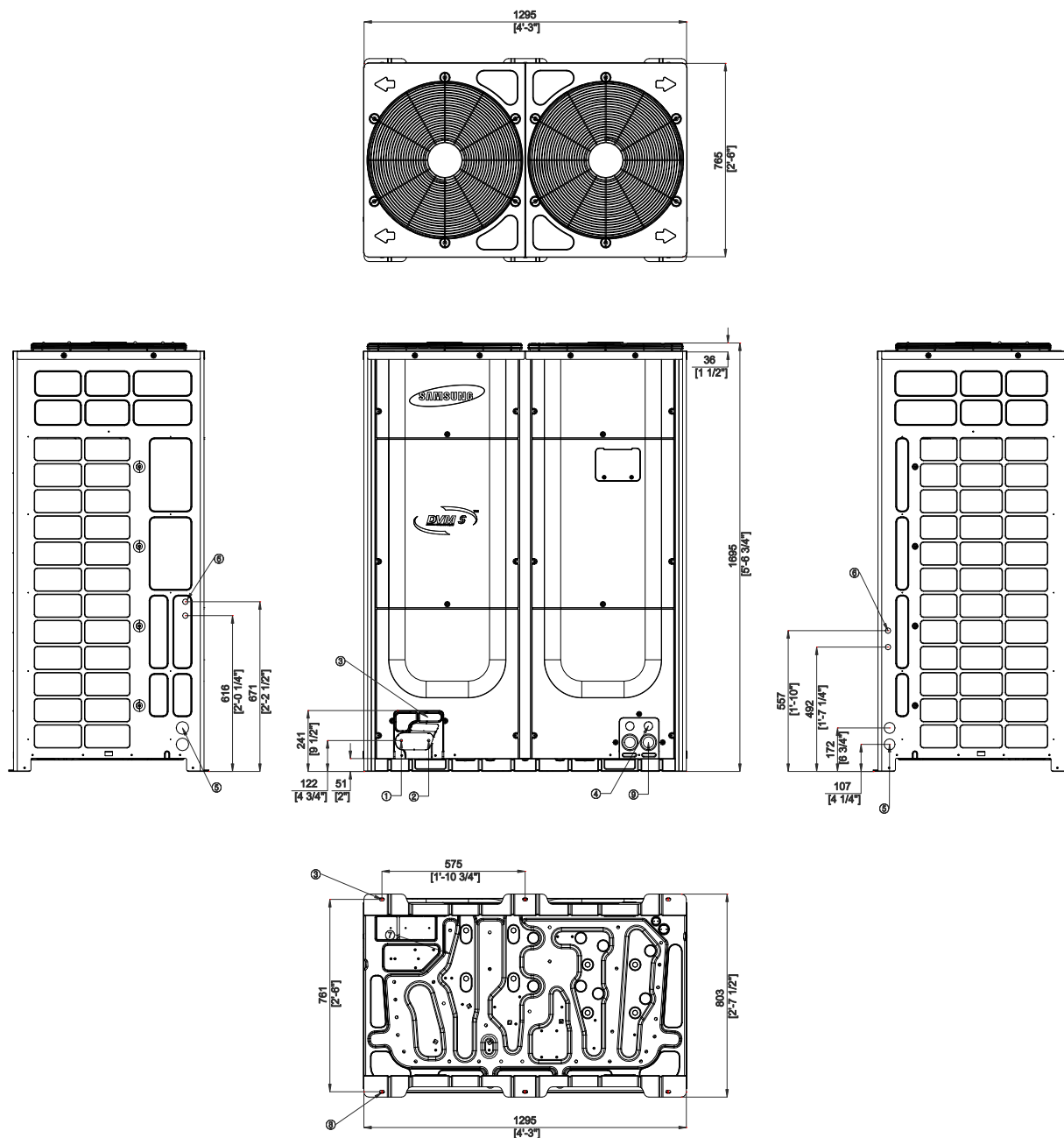


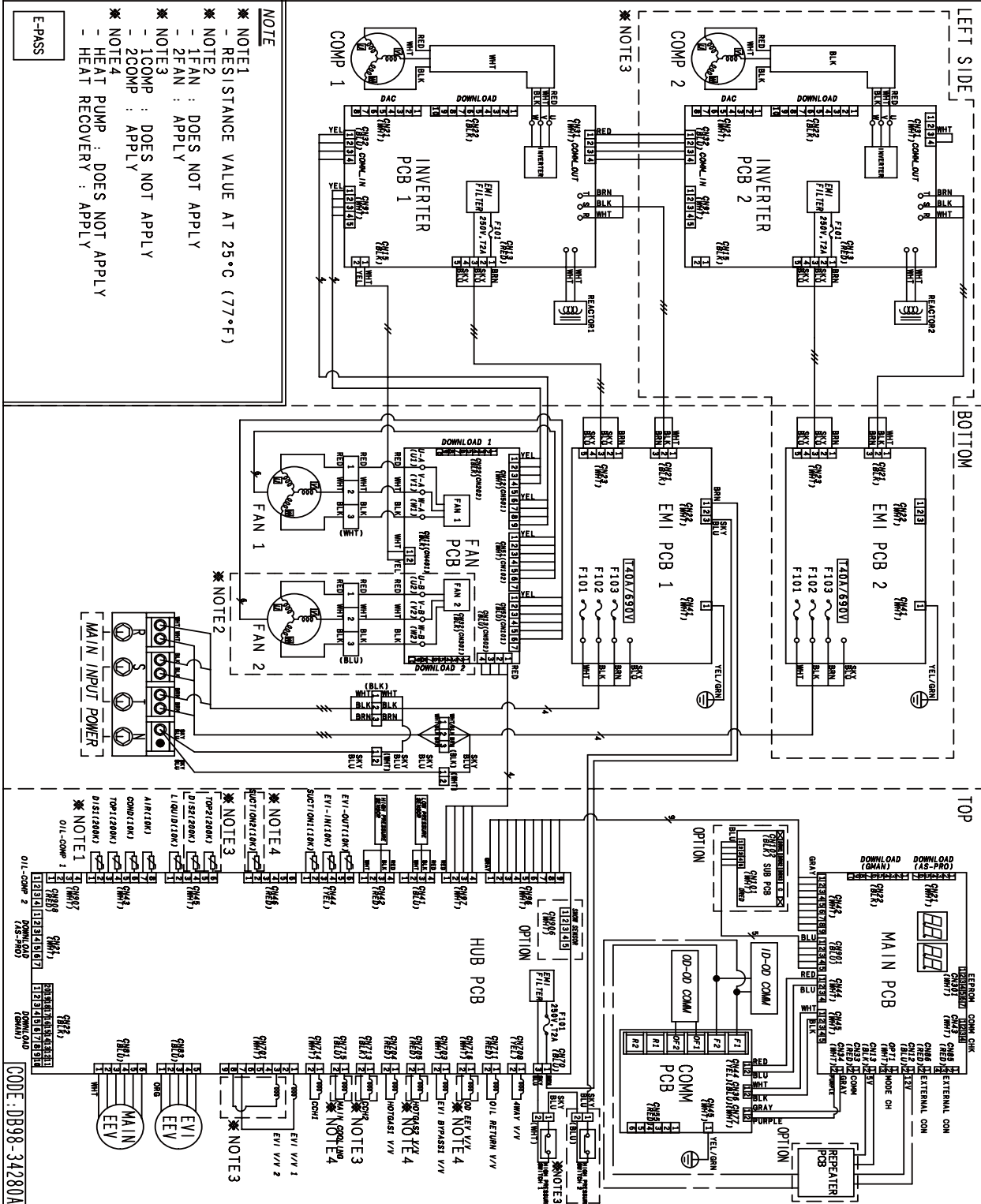
Table of descriptions

1	Low Pressure Gas Ref. pipe	7	Knock-out Hole for Ref. Piping
2	High Pressure Gas Ref. pipe	8	Anchor Bolt Hole
3	Liquid Ref. pipe	9	Power wiring conduit
4	Communication wiring conduit	10	
5	Power wiring conduit	11	
6	Communication wiring conduit	12	

5 Electrical wiring diagram

Outdoor

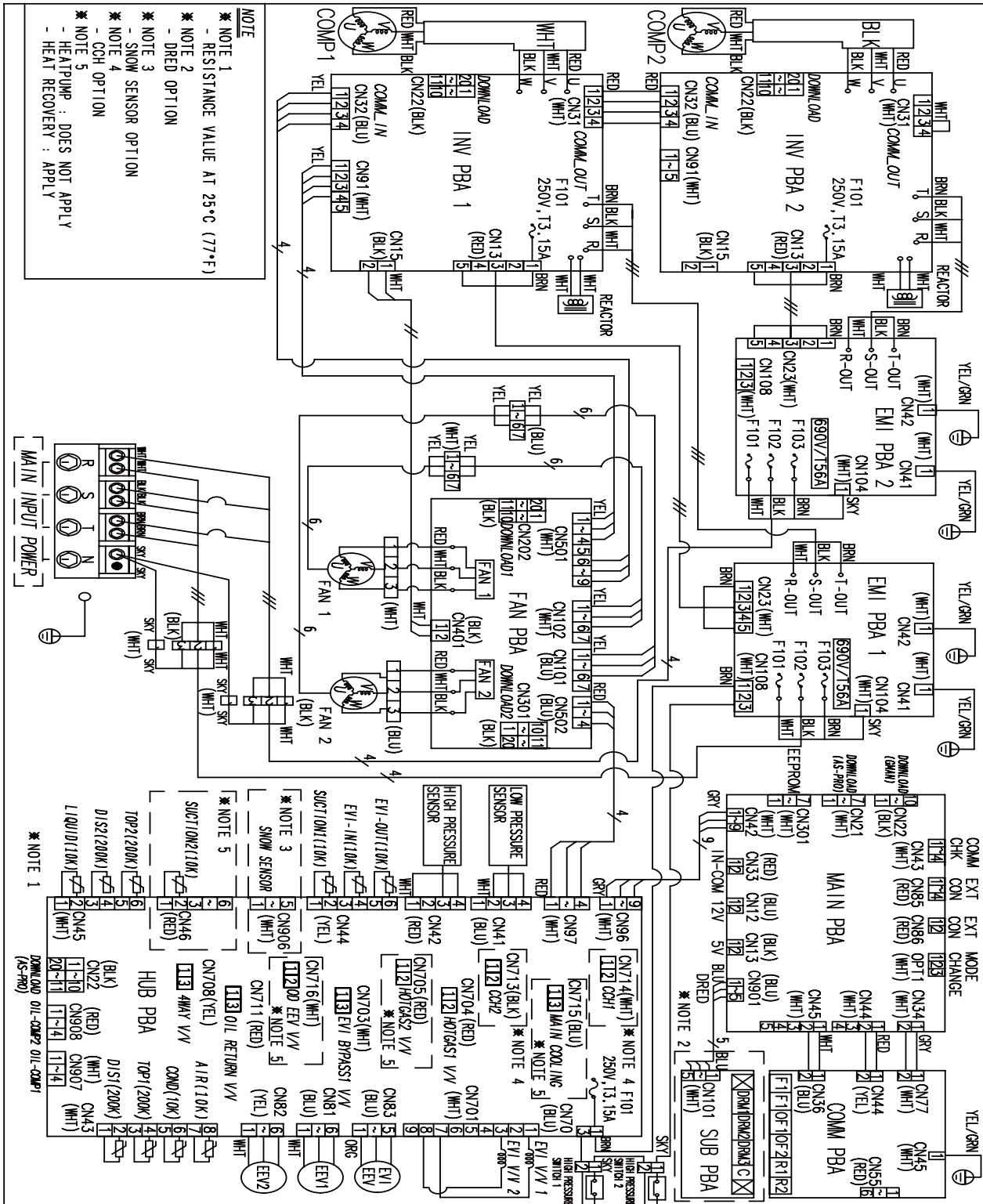
AM080~220JXVAGH/EU



5 Electrical wiring diagram

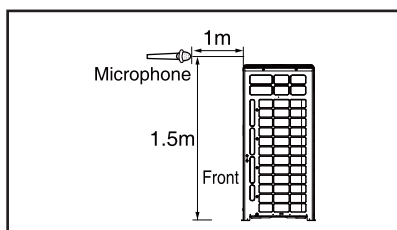
Outdoor

AM080~220JXVHGH/EU, AM240~260HXVAGH/EU, AM080~220JXVHGR/EU



6 Sound pressure level

Heat Pump - High EER type



Unit: dB(A)

Model	Pressure
AM080JXVHGH/EU	57.0
AM100JXVHGH/EU	58.0
AM120JXVHGH/EU	62.0
AM140JXVHGH/EU	61.0

Note

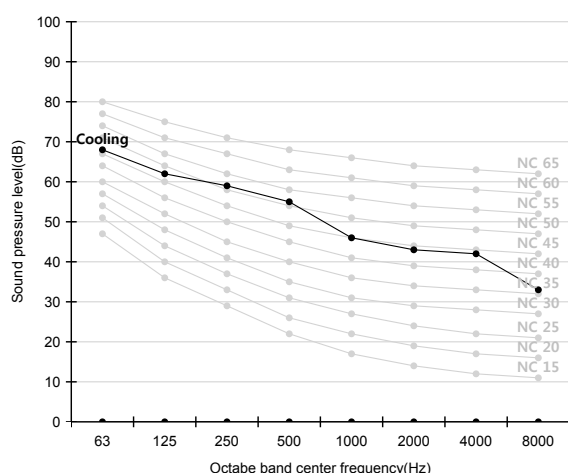
Measuring place: Anechoic chamber (conversion value)

These operation values were obtained in an anechoic room. Sound pressure level will vary depending on a factors such as the construction of the particular room where the equipment is installed.

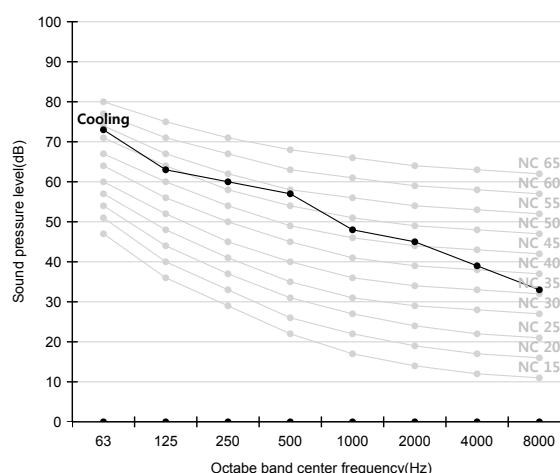
Operation sound level may differ depending on operation and ambient conditions.

NC curve

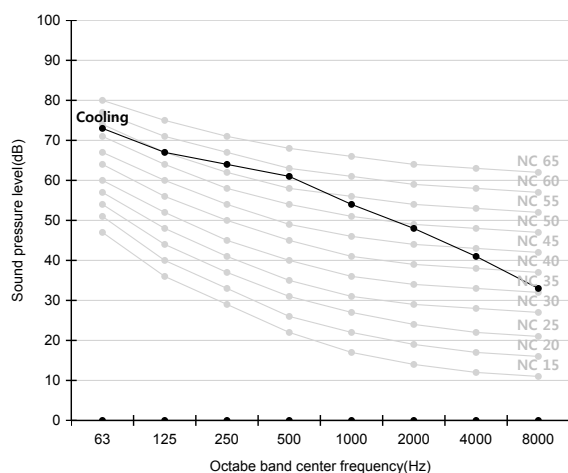
1) AM080JXVHGH/EU



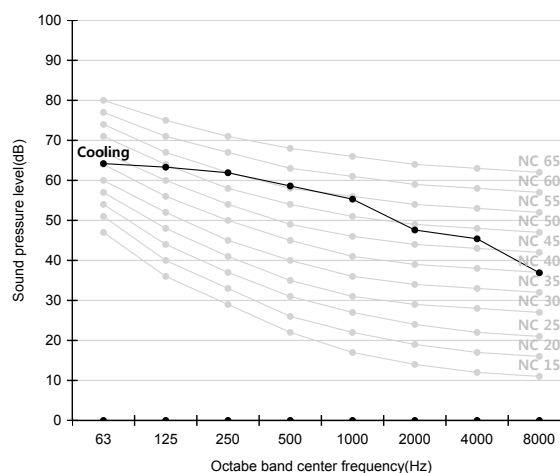
2) AM100JXVHGH/EU



3) AM120JXVHGH/EU

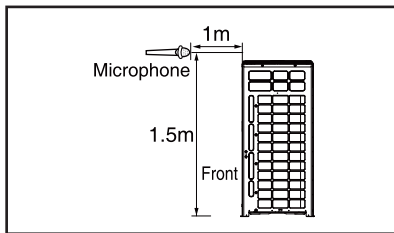


4) AM140JXVHGH/EU



6 Sound pressure level

Heat Pump - High EER type



Unit: dB(A)

Model	Pressure
AM160JXVHGH/EU	62.0
AM180JXVHGH/EU	63.0
AM200JXVHGH/EU	64.0
AM220JXVHGH/EU	65.0

Note

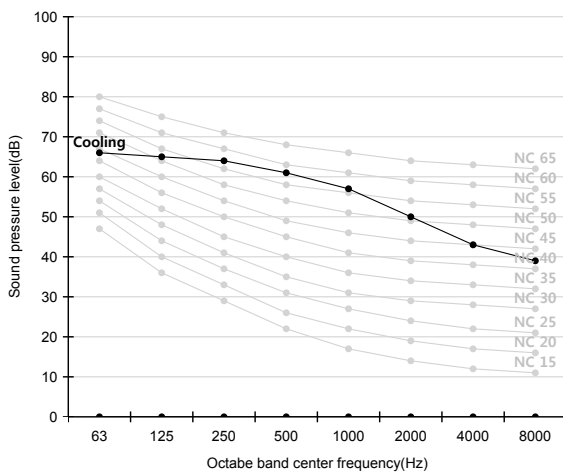
Measuring place: Anechoic chamber (conversion value)

These operation values were obtained in an anechoic room. Sound pressure level will vary depending on a factors such as the construction of the particular room where the equipment is installed.

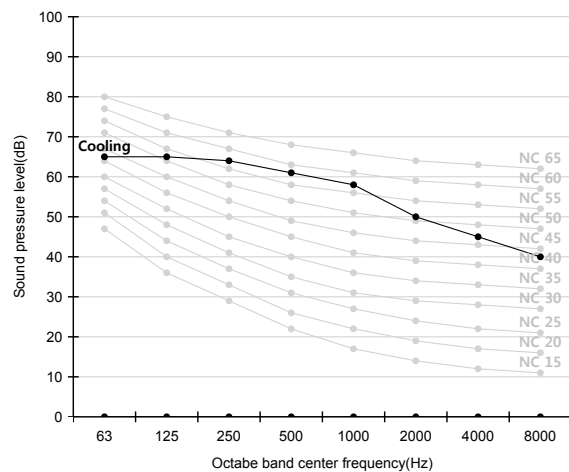
Operation sound level may differ depending on operation and ambient conditions.

NC curve

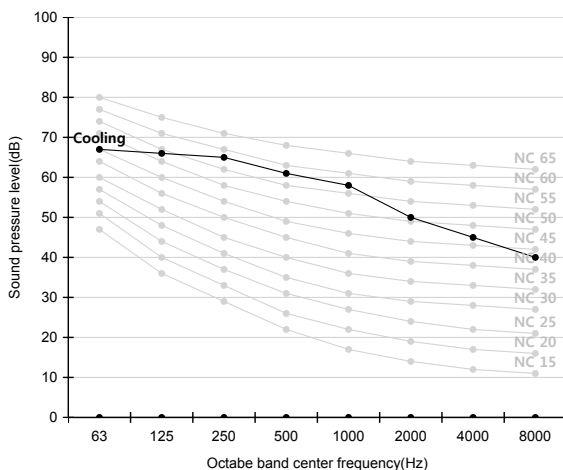
1) AM160JXVHGH/EU



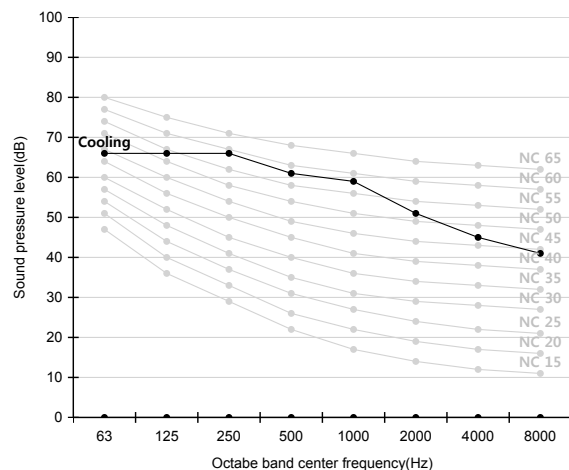
2) AM180JXVHGH/EU



3) AM200JXVHGH/EU

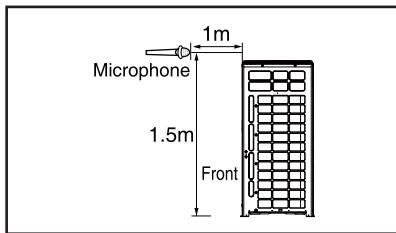


4) AM220JXVHGH/EU



6 Sound pressure level

Heat Pump - High EER type



Unit: dB(A)	
Model	Pressure
AM240HXVAGH/EU	67.0
AM260HXVAGH/EU	67.0

Note

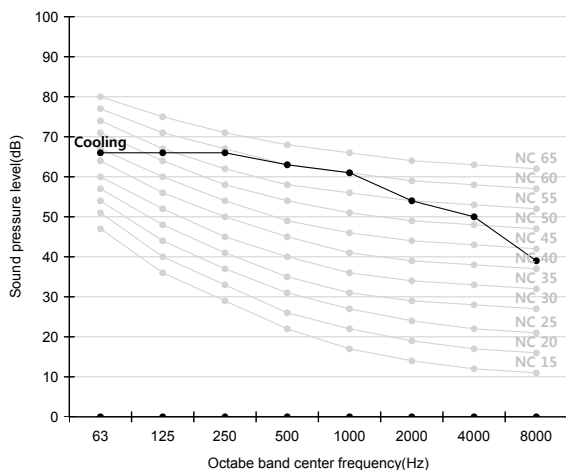
Measuring place: Anechoic chamber (conversion value)

These operation values were obtained in an anechoic room. Sound pressure level will vary depending on a factors such as the construction of the particular room where the equipment is installed.

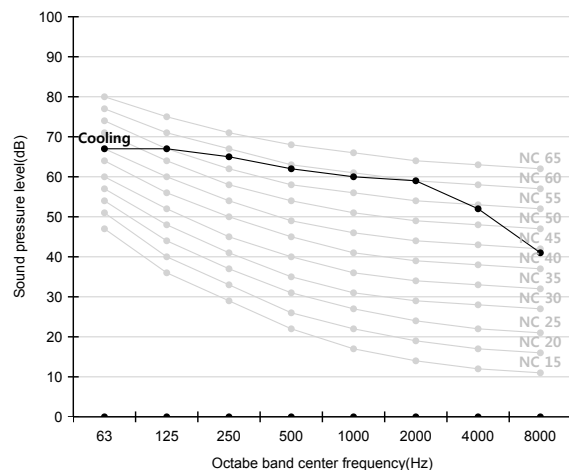
Operation sound level may differ depending on operation and ambient conditions.

NC curve

1) AM240HXVAGH/EU

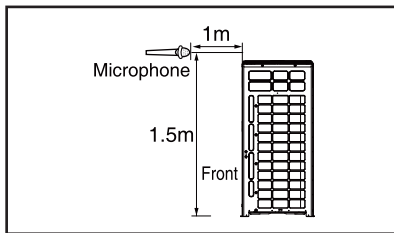


2) AM260HXVAGH/EU



6 Sound pressure level

Heat Pump - Standard type



Unit: dB(A)

Model	Pressure
AM080JXVAGH/EU	57.0
AM100JXVAGH/EU	58.0
AM120JXVAGH/EU	62.0
AM140JXVAGH/EU	61.0

Note

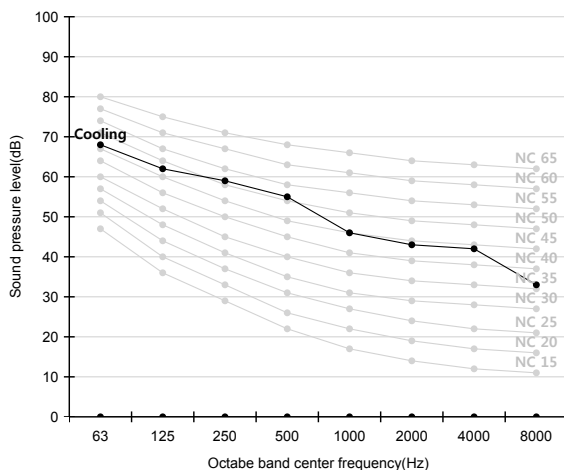
Measuring place: Anechoic chamber (conversion value)

These operation values were obtained in an anechoic room. Sound pressure level will vary depending on a factors such as the construction of the particular room where the equipment is installed.

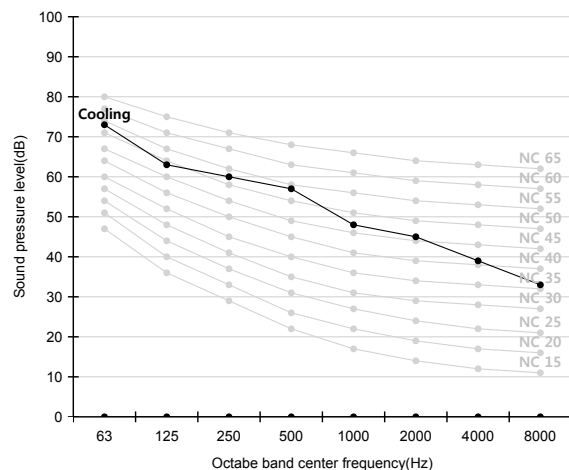
Operation sound level may differ depending on operation and ambient conditions.

NC curve

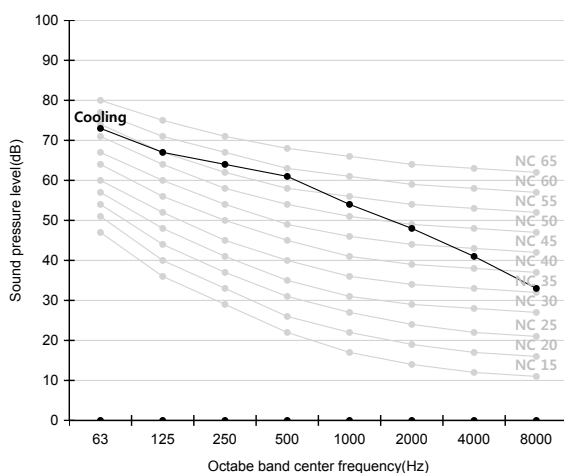
1) AM080JXVAGH/EU



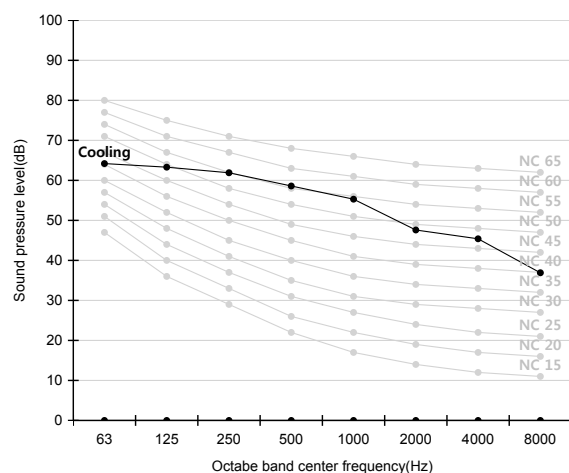
2) AM100JXVAGH/EU



3) AM120JXVAGH/EU

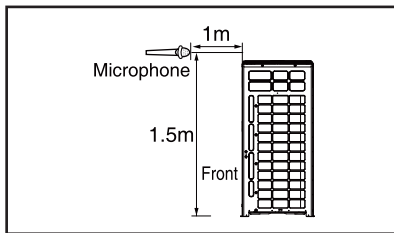


4) AM140JXVAGH/EU



6 Sound pressure level

Heat Pump - Standard type



Unit: dB(A)

Model	Pressure
AM160JXVAGH/EU	63.0
AM180JXVAGH/EU	64.0
AM200JXVAGH/EU	65.0
AM220JXVAGH/EU	66.0

Note

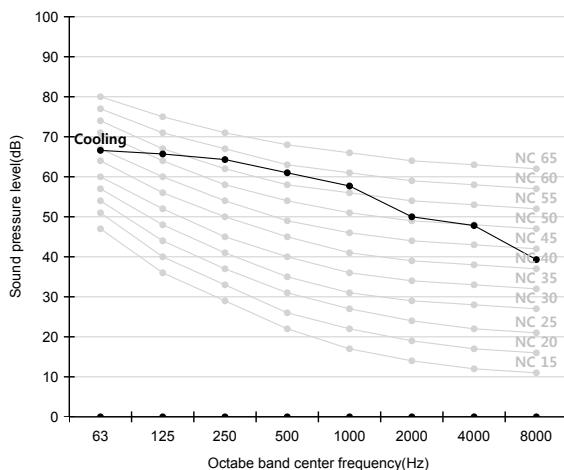
Measuring place: Anechoic chamber (conversion value)

These operation values were obtained in an anechoic room. Sound pressure level will vary depending on a factors such as the construction of the particular room where the equipment is installed.

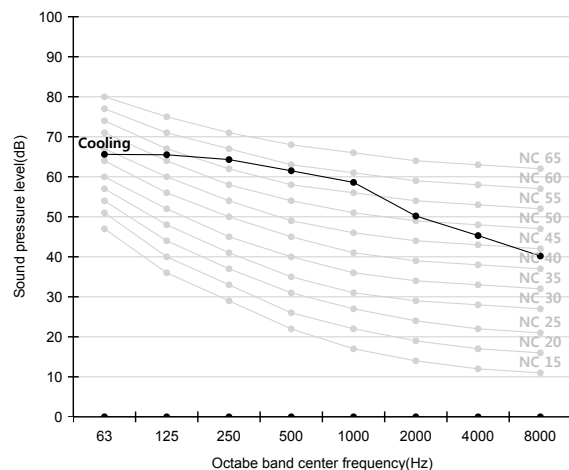
Operation sound level may differ depending on operation and ambient conditions.

NC curve

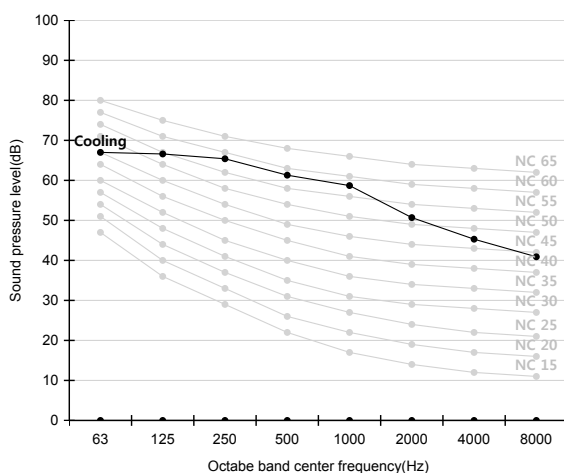
1) AM160JXVAGH/EU



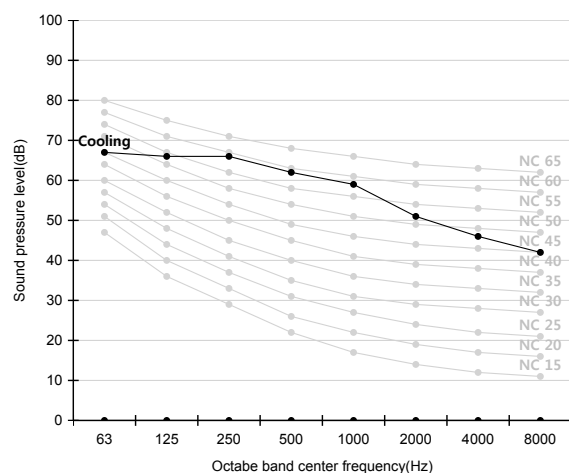
2) AM180JXVAGH/EU



3) AM200JXVAGH/EU

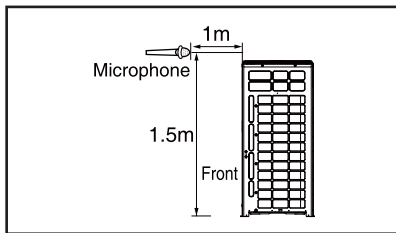


4) AM220JXVAGH/EU



6 Sound pressure level

Heat Pump - Standard type



Unit: dB(A)

Model	Pressure
AM240HXVAGH/EU	67.0
AM260HXVAGH/EU	67.0

Note

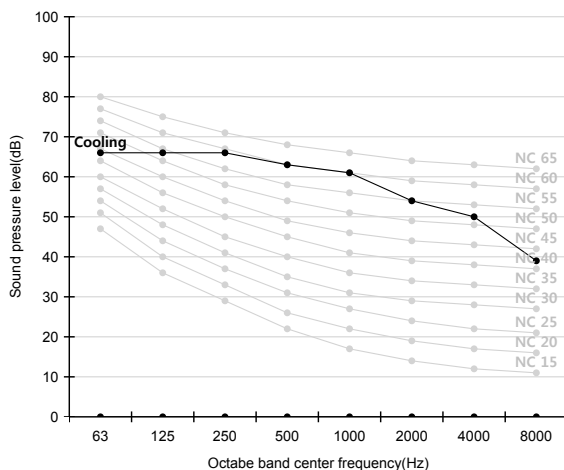
Measuring place: Anechoic chamber (conversion value)

These operation values were obtained in an anechoic room. Sound pressure level will vary depending on a factors such as the construction of the particular room where the equipment is installed.

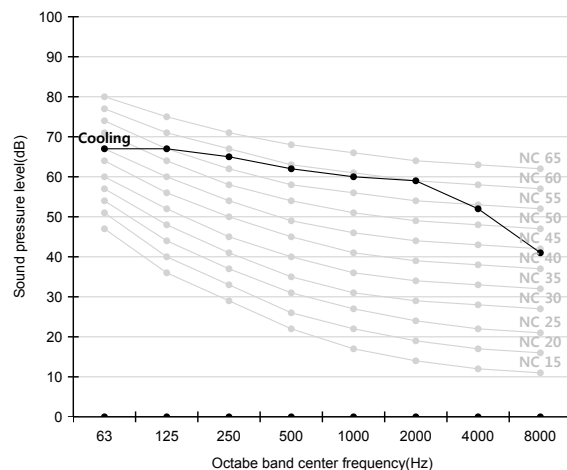
Operation sound level may differ depending on operation and ambient conditions.

NC curve

1) AM240HXVAGH/EU

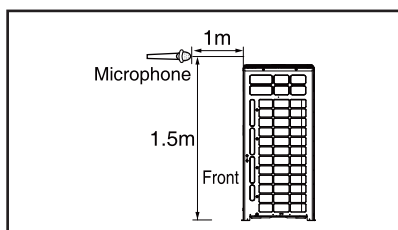


2) AM260HXVAGH/EU



6 Sound pressure level

Heat Recovery - High EER type



Unit: dB(A)	
Model	Pressure
AM080JXVHGR/EU	57.0
AM100JXVHGR/EU	58.0
AM120JXVHGR/EU	62.0
AM140JXVHGR/EU	61.0

Note

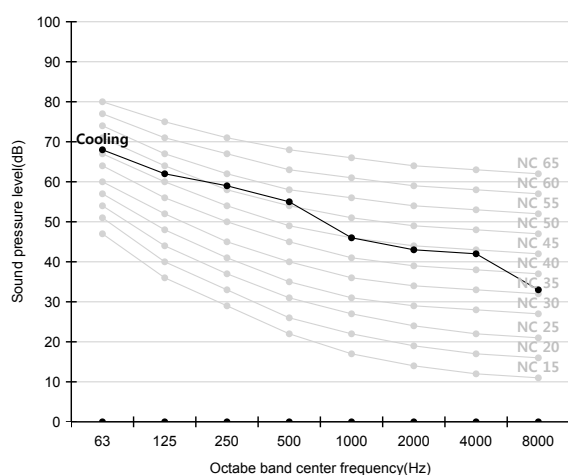
Measuring place: Anechoic chamber (conversion value)

These operation values were obtained in an anechoic room. Sound pressure level will vary depending on a factors such as the construction of the particular room where the equipment is installed.

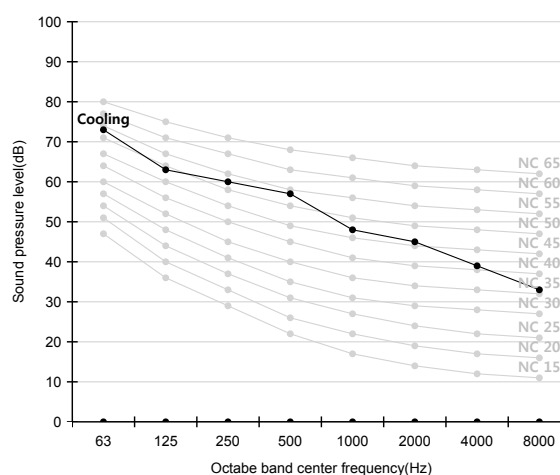
Operation sound level may differ depending on operation and ambient conditions.

NC curve

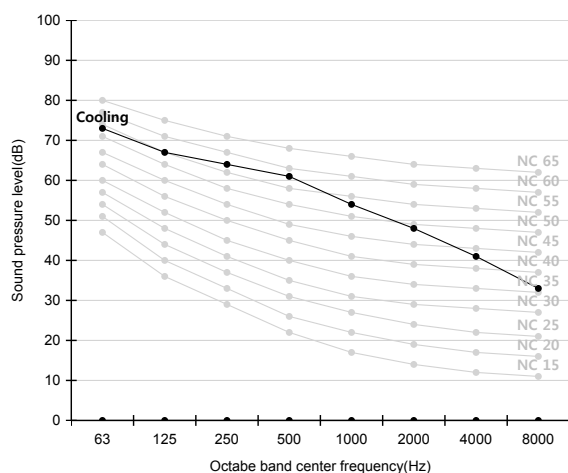
1) AM080JXVHGR/EU



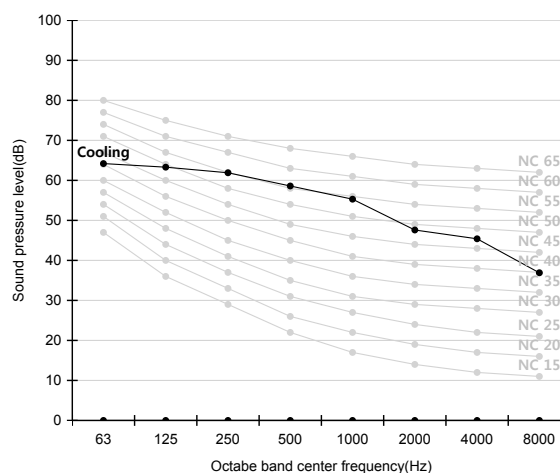
2) AM100JXVHGR/EU



3) AM120JXVHGR/EU

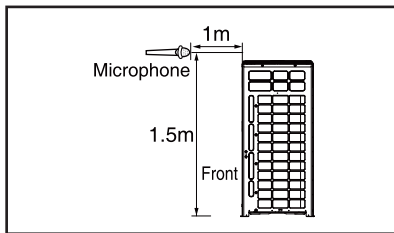


4) AM140JXVHGR/EU



6 Sound pressure level

Heat Recovery - High EER type



Unit: dB(A)

Model	Pressure
AM160JXVHGR/EU	62.0
AM180JXVHGR/EU	63.0
AM200JXVHGR/EU	64.0
AM220JXVHGR/EU	65.0

Note

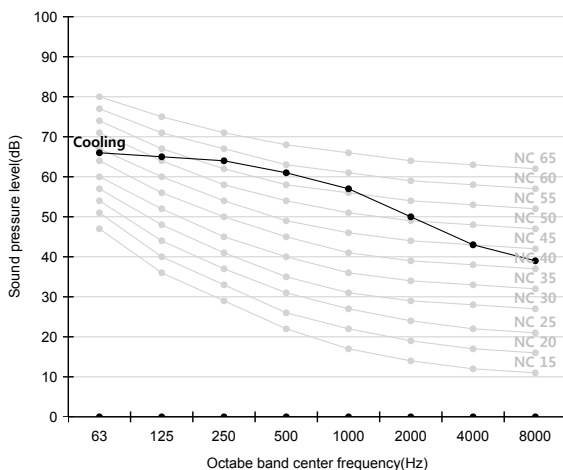
Measuring place: Anechoic chamber (conversion value)

These operation values were obtained in an anechoic room. Sound pressure level will vary depending on a factors such as the construction of the particular room where the equipment is installed.

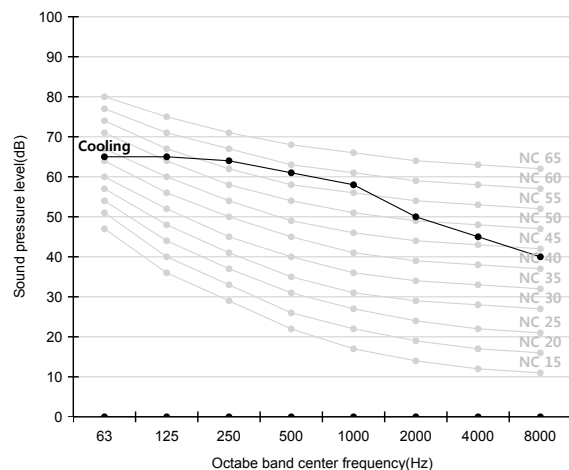
Operation sound level may differ depending on operation and ambient conditions.

NC curve

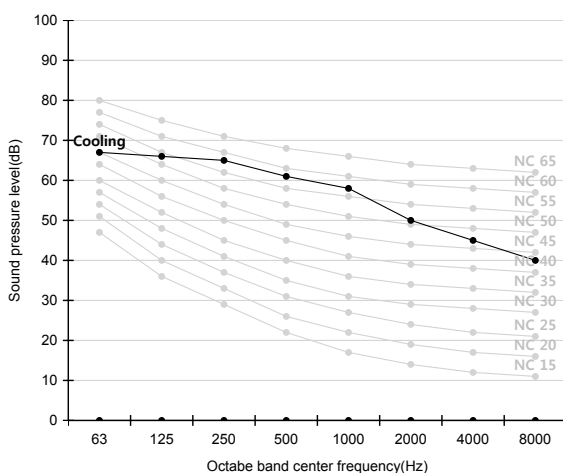
1) AM160JXVHGR/EU



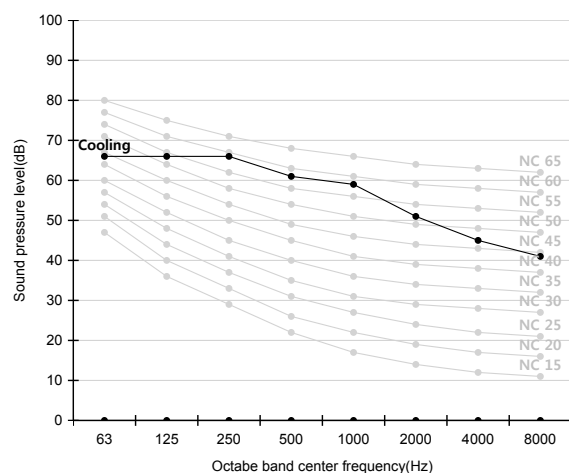
2) AM180JXVHGR/EU



3) AM200JXVHGR/EU



4) AM220JXVHGR/EU



7 Sound power level

Heat Pump - High EER type

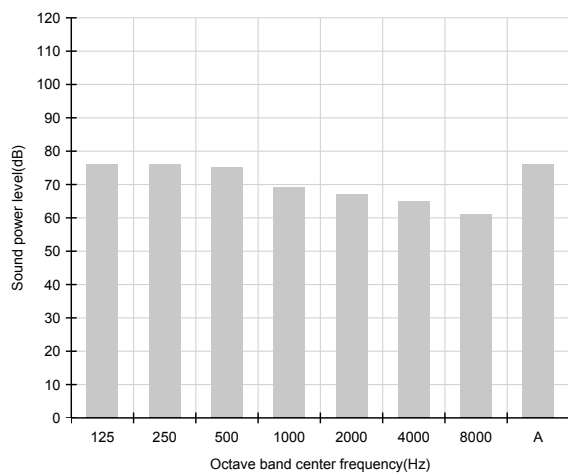
Note

dBA = A-weighted sound power level.
Reference power : 1pW.
Measured according to ISO 3741.

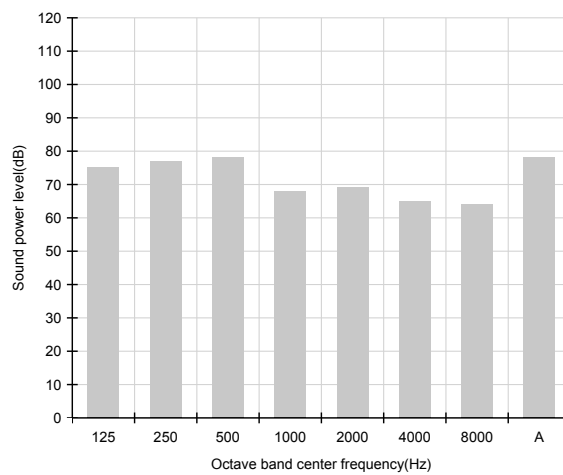
Unit: dB(A)

Model	Power
AM080JXVHGH/EU	77.0
AM100JXVHGH/EU	79.0
AM120JXVHGH/EU	81.0
AM140JXVHGH/EU	81.0

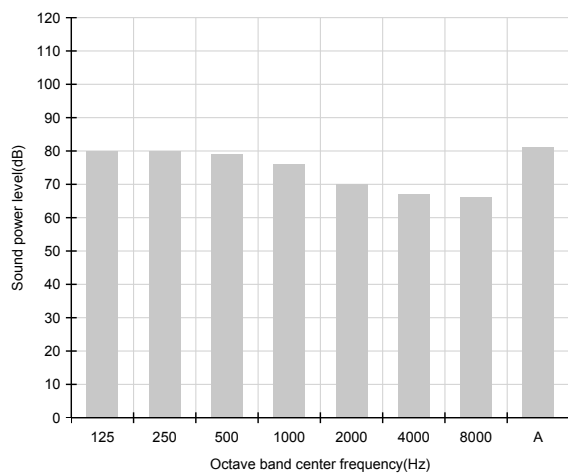
1)AM080JXVHGH/EU



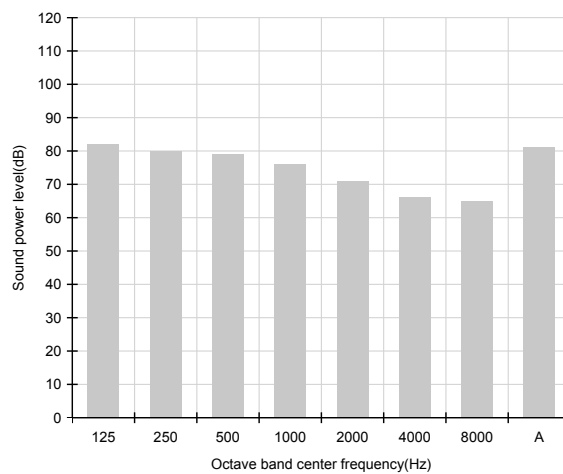
2)AM100JXVHGH/EU



3)AM120JXVHGH/EU



4)AM140JXVHGH/EU



7 Sound power level

Heat Pump - High EER type

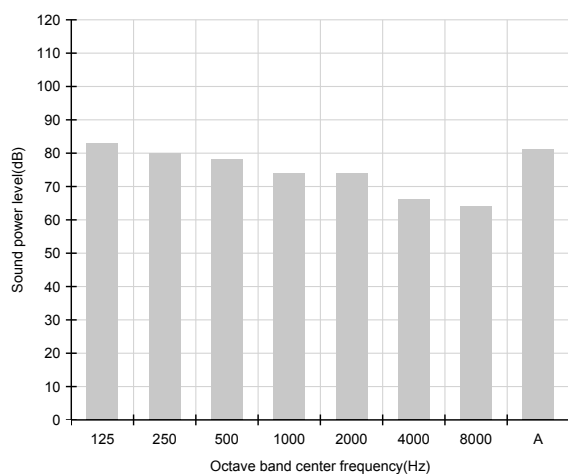
Note

dBA = A-weighted sound power level.
Reference power : 1pW.
Measured according to ISO 3741.

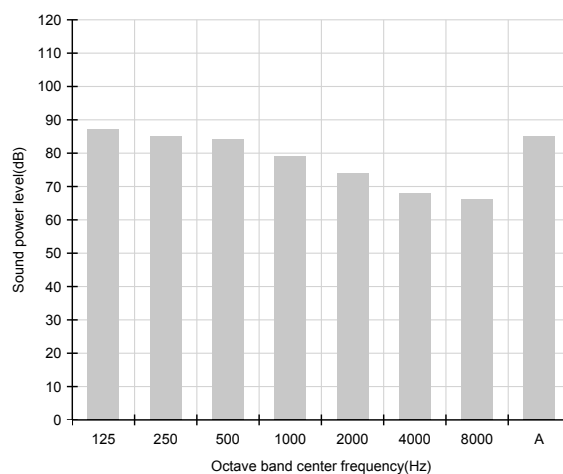
Unit: dB(A)

Model	Power
AM160JXVHGH/EU	82.0
AM180JXVHGH/EU	85.0
AM200JXVHGH/EU	86.0
AM220JXVHGH/EU	88.0

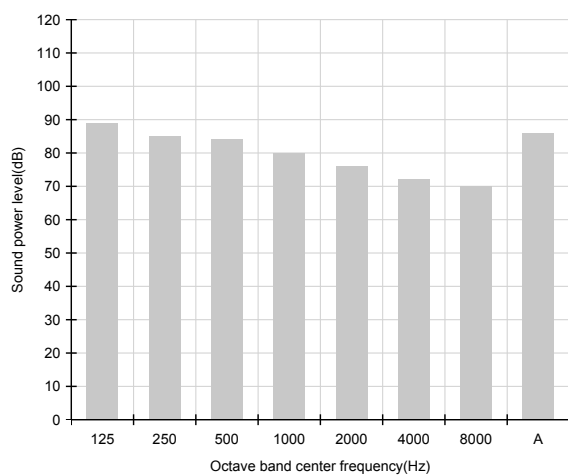
1)AM160JXVHGH/EU



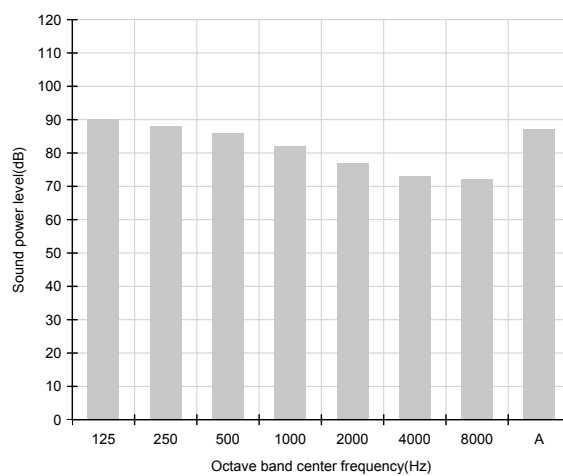
2)AM180JXVHGH/EU



3)AM200JXVHGH/EU



4)AM220JXVHGH/EU



7 Sound power level

Heat Pump - High EER type

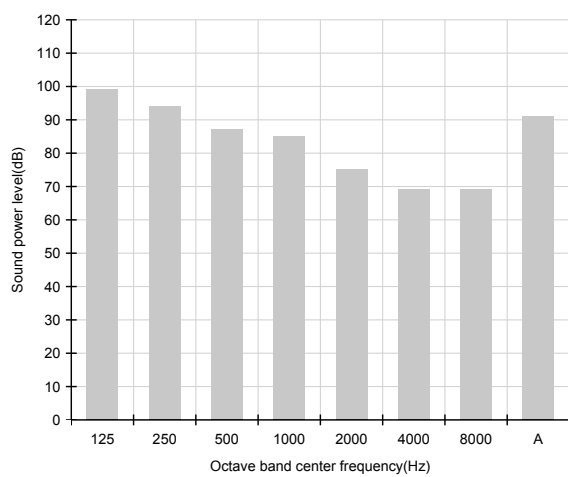
Note

dBA = A-weighted sound power level.
Reference power : 1pW.
Measured according to ISO 3741.

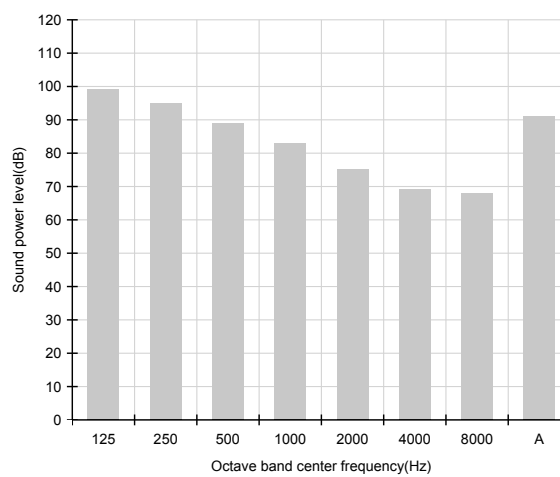
Unit: dB(A)

Model	Power
AM240HXVAGH/EU	91.0
AM260HXVAGH/EU	91.0

1)AM240HXVAGH/EU



2)AM260HXVAGH/EU



7 Sound power level

Heat Pump - Standard type

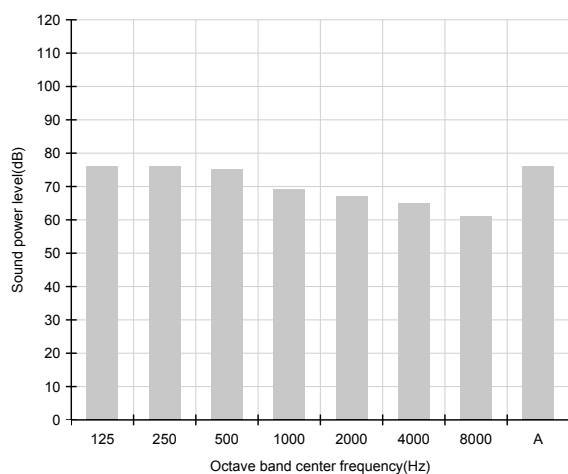
Note

dBA = A-weighted sound power level.
Reference power : 1pW.
Measured according to ISO 3741.

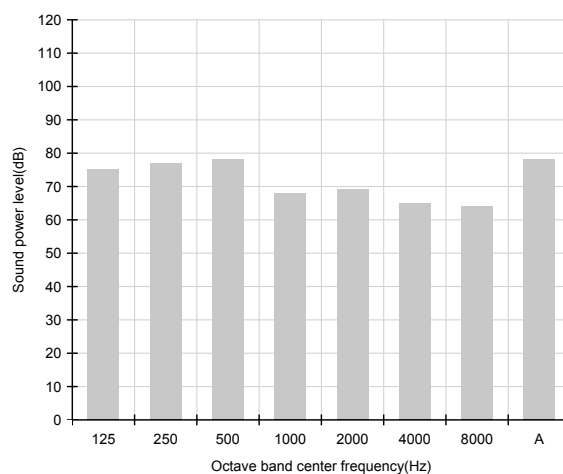
Unit: dB(A)

Model	Power
AM080JXVAGH/EU	77.0
AM100JXVAGH/EU	79.0
AM120JXVAGH/EU	81.0
AM140JXVAGH/EU	81.0

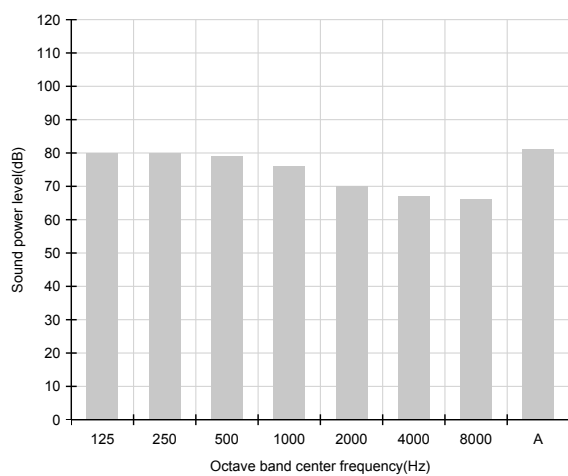
1)AM080JXVAGH/EU



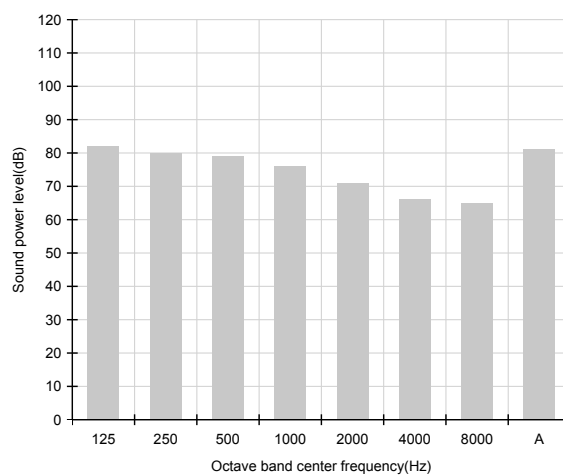
2)AM100JXVAGH/EU



3)AM120JXVAGH/EU



4)AM140JXVAGH/EU



7 Sound power level

Heat Pump - Standard type

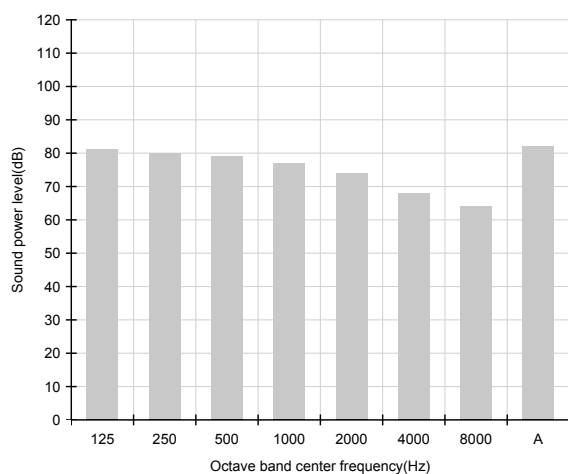
Note

dBA = A-weighted sound power level.
Reference power : 1pW.
Measured according to ISO 3741.

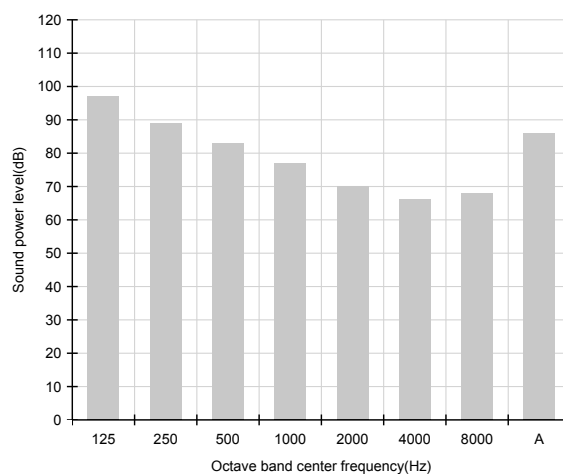
Unit: dB(A)

Model	Power
AM160JXVAGH/EU	83.0
AM180JXVAGH/EU	86.0
AM200JXVAGH/EU	87.0
AM220JXVAGH/EU	89.0

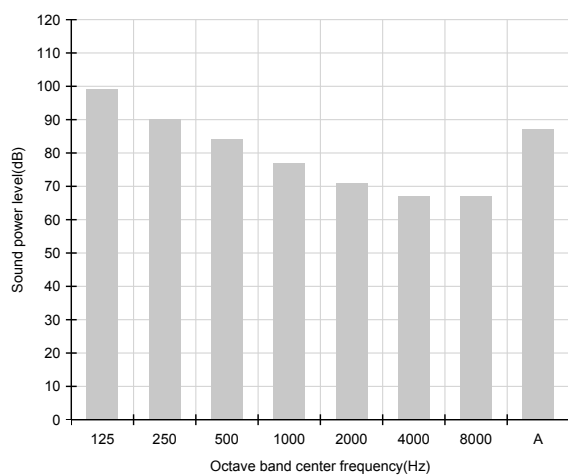
1)AM160JXVAGH/EU



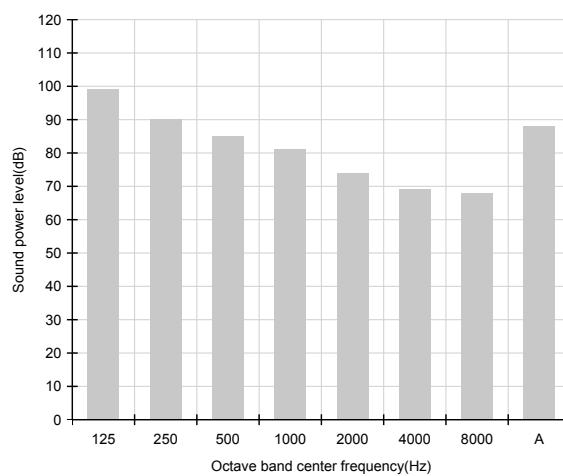
2)AM180JXVAGH/EU



3)AM200JXVAGH/EU



4)AM220JXVAGH/EU



7 Sound power level

Heat Pump - Standard type

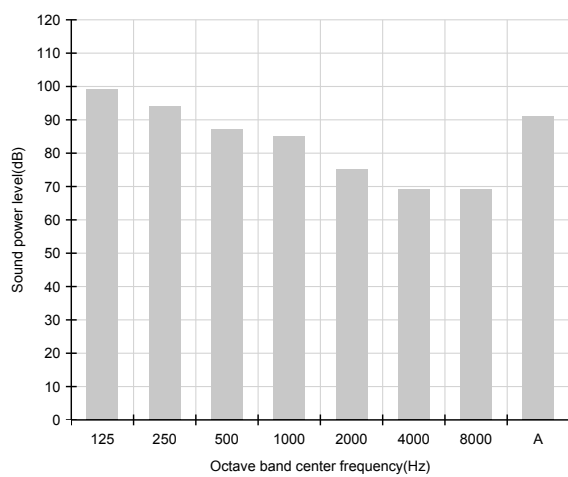
Note

dBA = A-weighted sound power level.
Reference power : 1pW.
Measured according to ISO 3741.

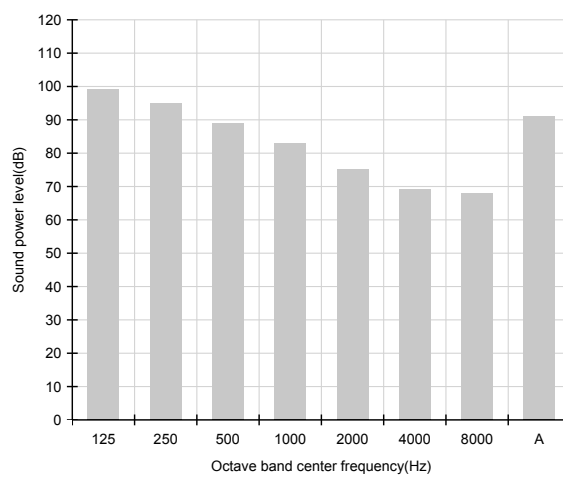
Unit: dB(A)

Model	Power
AM240HXVAGH/EU	91.0
AM260HXVAGH/EU	91.0

1)AM240HXVAGH/EU



2)AM260HXVAGH/EU



7 Sound power level

Heat Recovery - High EER type

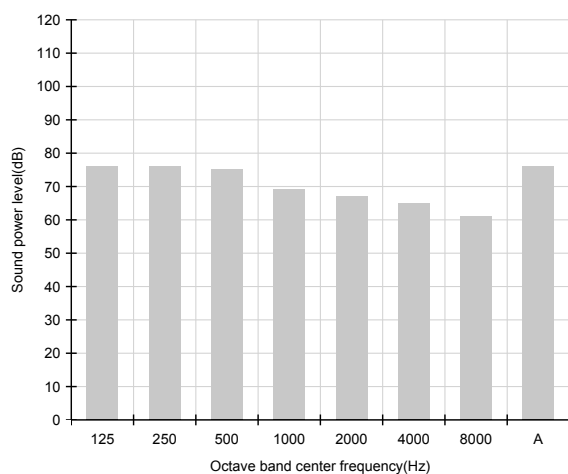
Note

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Reference power : 1pW.
Measured according to ISO 3741.

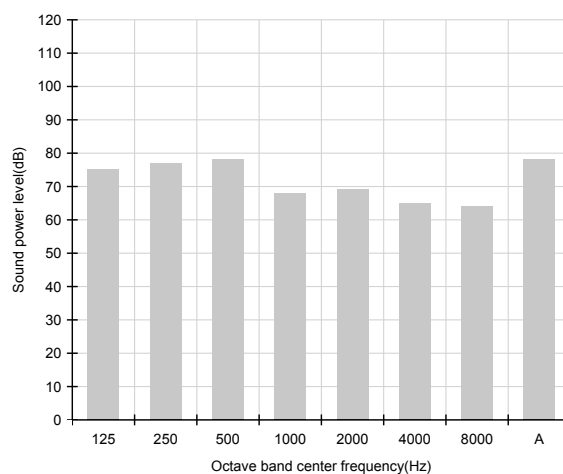
Unit: dB(A)

Model	Power
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AM100JXVHGR/EU	79.0
AM120JXVHGR/EU	81.0
AM140JXVHGR/EU	81.0

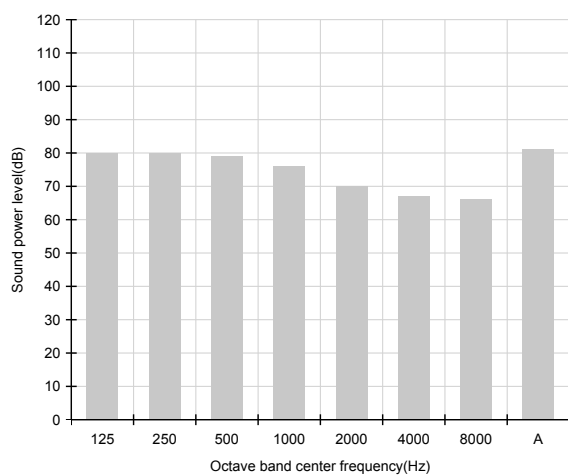
1)AM080JXVHGR/EU



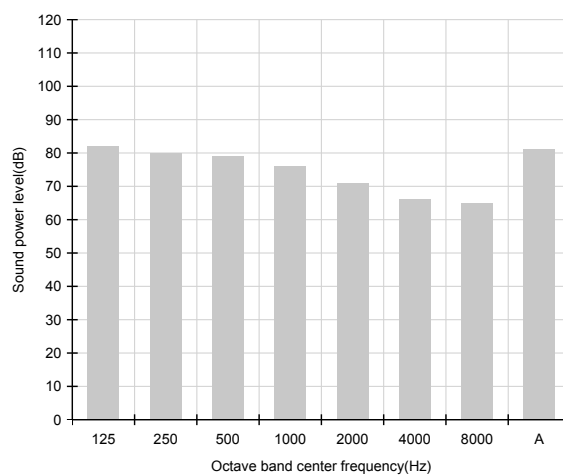
2)AM100JXVHGR/EU



3)AM120JXVHGR/EU



4)AM140JXVHGR/EU



7 Sound power level

Heat Recovery - High EER type

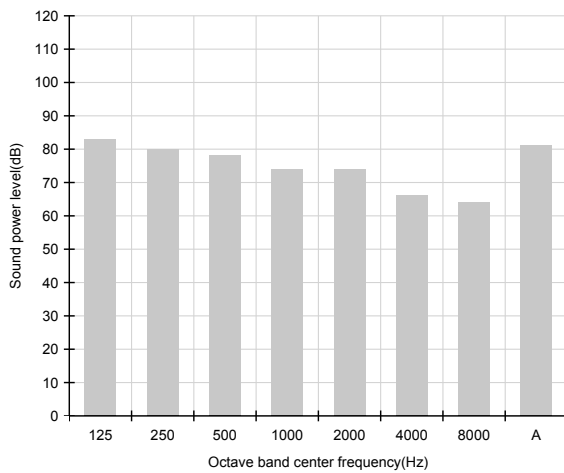
Note

dBA = A-weighted sound power level.
Reference power : 1pW.
Measured according to ISO 3741.

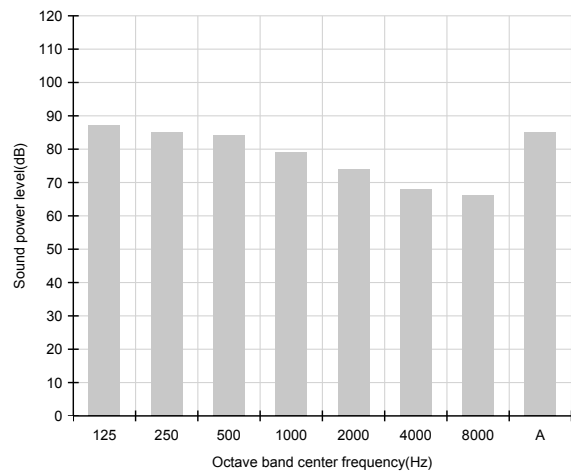
Unit: dB(A)

Model	Power
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AM180JXVHGR/EU	85.0
AM200JXVHGR/EU	86.0
AM220JXVHGR/EU	88.0

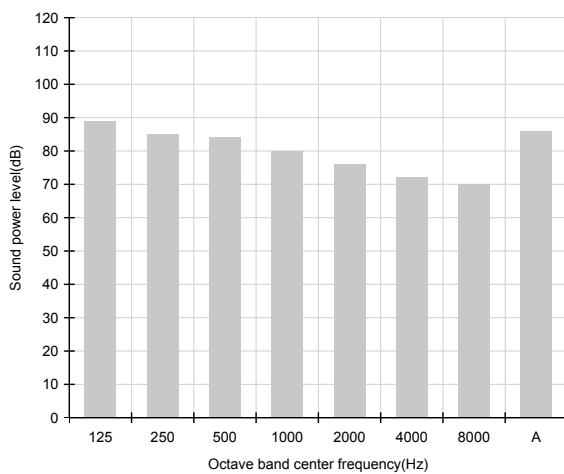
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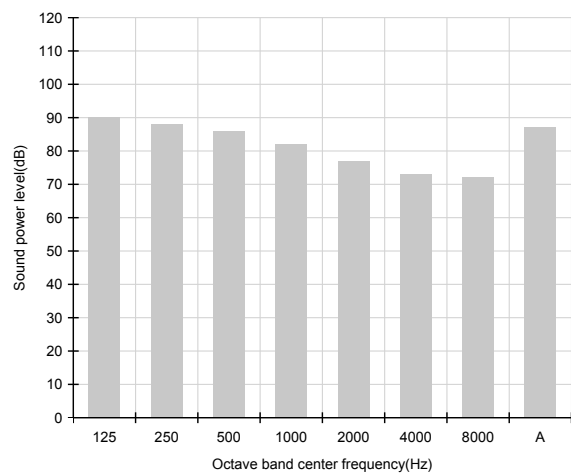
2)AM180JXVHGR/EU



3)AM200JXVHGR/EU



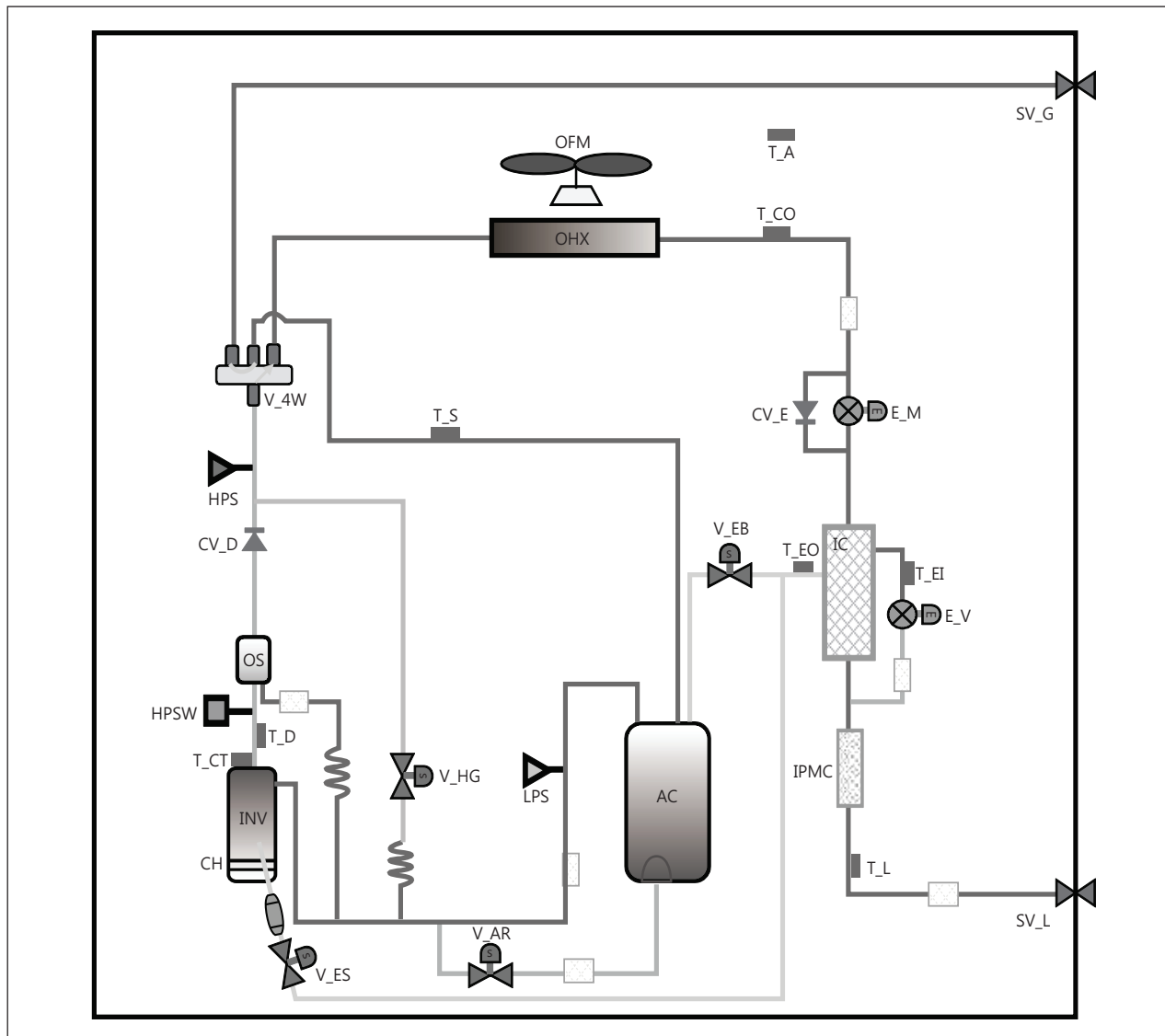
4)AM220JXVHGR/EU



8 Cycle diagram

Heat Pump

AM080JXV*GH/EU, AM100JXV*GH/EU, AM120JXV*GH/EU



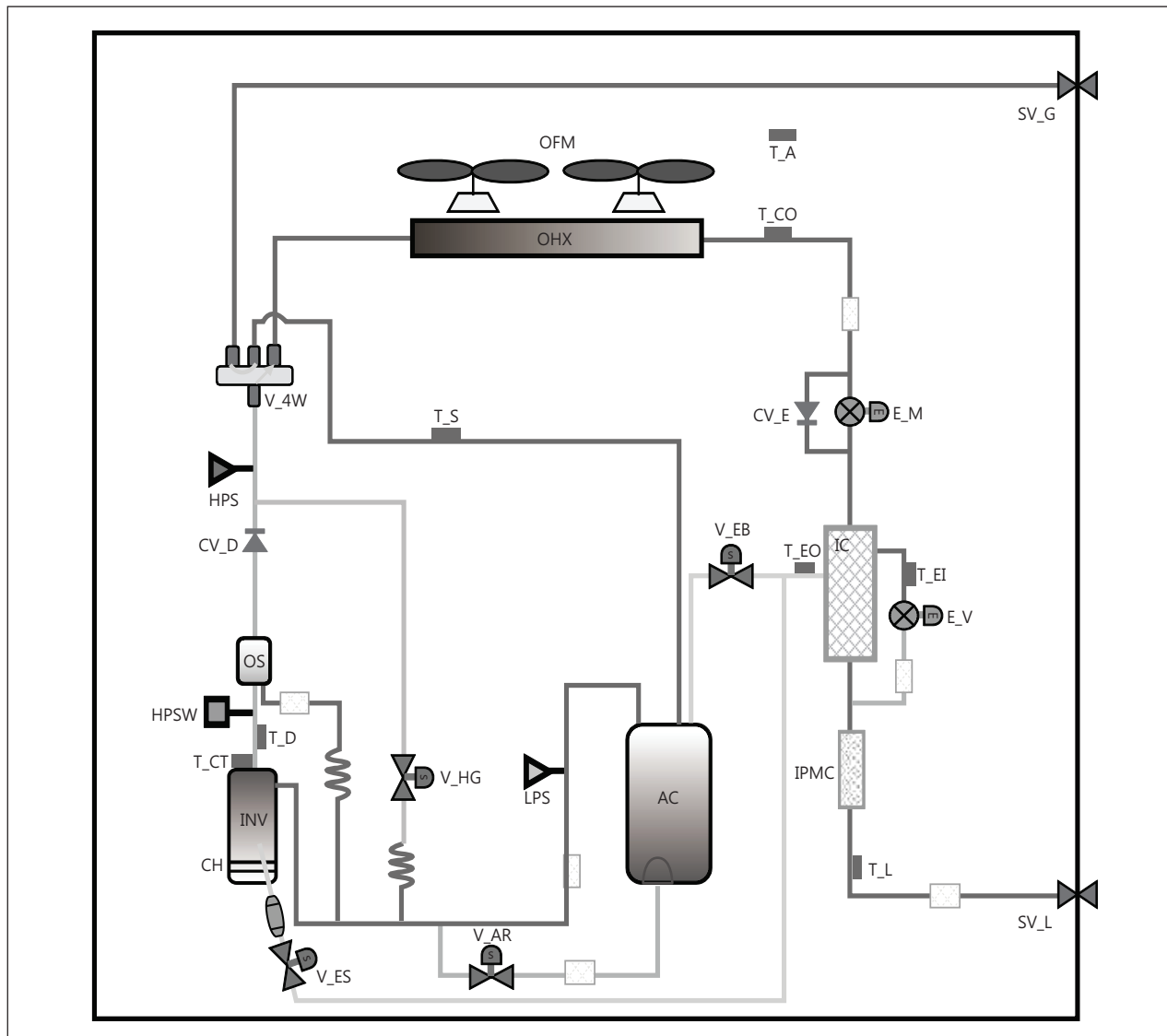
Classification	Description
INV	Inverter Compressor
OFM	Outdoor Fan Motor
OHX	Outdoor Heat Exchanger
AC	Accumulator
OS	Oil Separator
IC	Intercooler
IPMC	IPM Cooler
CH	Crank Case Heater
HPS	High Pressure Sensor
LPS	Low Pressure Sensor
HPSW	High Pressure Switch
E_M	Main EEV
E_EV	EVI EEV
V_ES	EVI Solenoid Valve
V_EB	EVI Bypass Valve

Classification	Description
V_HG	Hot Gas Bypass Valve
V_4W	4way Valve
V_AR	Accumulator Oil Return Valve
CV_E	EEV Bypass Check Valve
CV_D	Discharge Check Valve
T_D	Discharge Temperature Sensor
T_S	Suction Temperature Sensor
T_CO	Condenser Out Temperature Sensor
T_EI	EVI In Temperature Sensor
T_EO	EVI Out Temperature Sensor
T_L	Liquid Tube Temperature Sensor
T_CT	Compressor Top Temperature Sensor
T_A	Ambient Temperature Sensor
SV_G	Gas Pipe Service Valve
SV_L	Liquid Pipe Service Valve

8 Cycle diagram

Heat Pump

AM140JXV*GH/EU



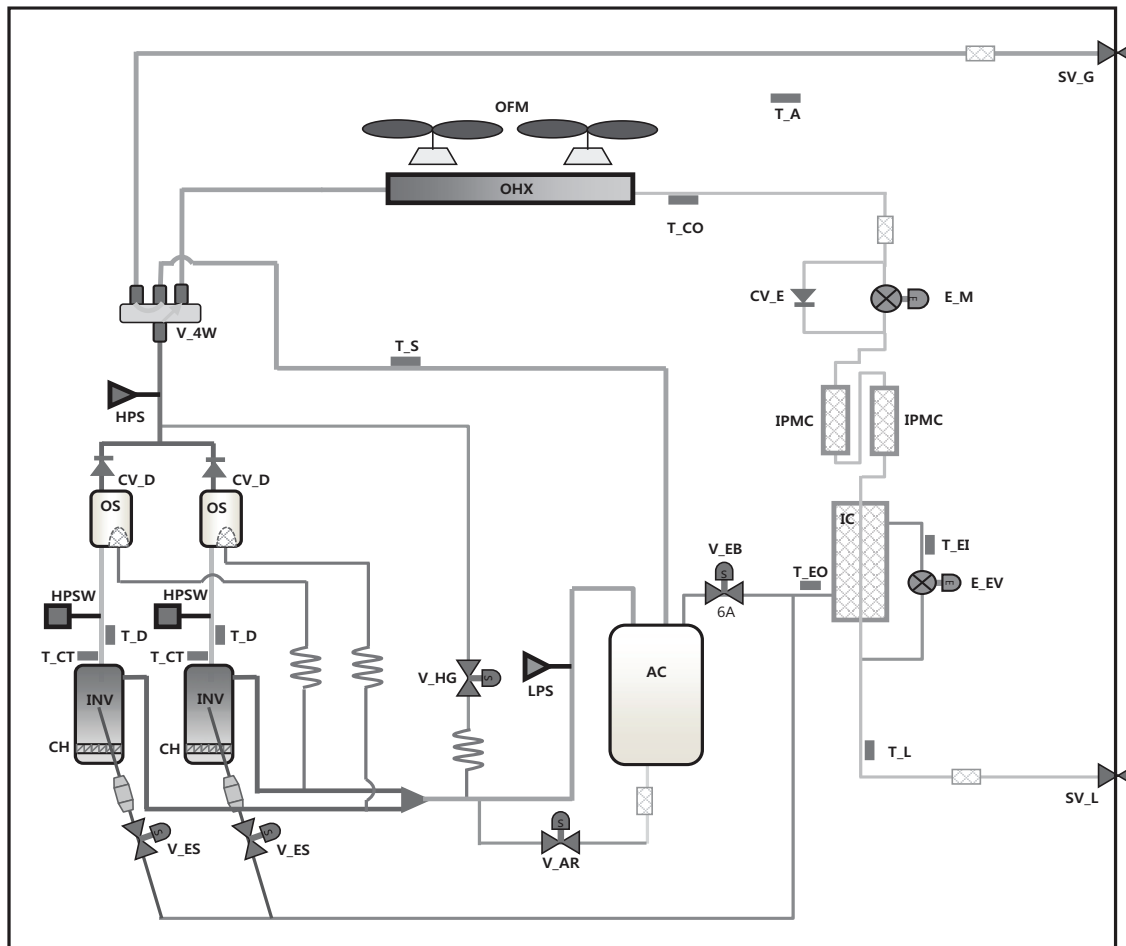
Classification	Description
INV	Inverter Compressor
OFM	Outdoor Fan Motor
OHX	Outdoor Heat Exchanger
AC	Accumulator
OS	Oil Separator
IC	Intercooler
IPMC	IPM Cooler
CH	Crank Case Heater
HPS	High Pressure Sensor
LPS	Low Pressure Sensor
HPSW	High Pressure Switch
E_M	Main EEV
E_EV	EVI EEV
V_ES	EVI Solenoid Valve
V_EB	EVI Bypass Valve

Classification	Description
V_HG	Hot Gas Bypass Valve
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CV_E	EEV Bypass Check Valve
CV_D	Discharge Check Valve
T_D	Discharge Temperature Sensor
T_S	Suction Temperature Sensor
T_CO	Condenser Out Temperature Sensor
T_EI	EVI In Temperature Sensor
T_EO	EVI Out Temperature Sensor
T_L	Liquid Tube Temperature Sensor
T_CT	Compressor Top Temperature Sensor
T_A	Ambient Temperature Sensor
SV_G	Gas Pipe Service Valve
SV_L	Liquid Pipe Service Valve

8 Cycle diagram

Heat Pump

AM160JXV*GH/EU, AM180JXV*GH/EU, AM200JXV*GH/EU, AM220JXV*GH/EU



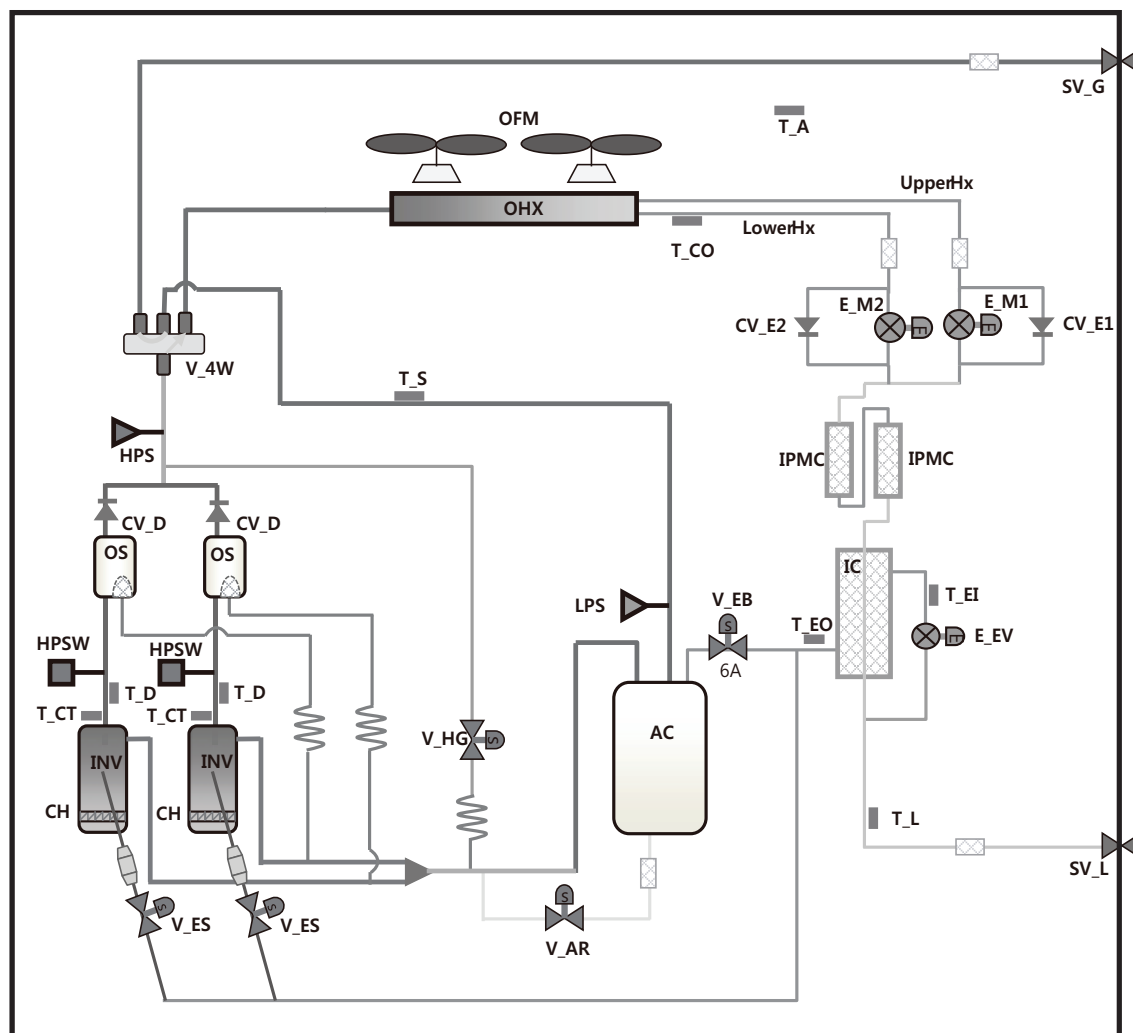
Classification	Description
INV	Inverter Compressor
OFM	Outdoor Fan Motor
OHX	Outdoor Heat Exchanger
AC	Accumulator
OS	Oil Separator
IC	Intercooler
IPMC	IPM Cooler
CH	Crank Case Heater
HPS	High Pressure Sensor
LPS	Low Pressure Sensor
HPSW	High Pressure Switch
E_M	Main EEV
E_EV	EVI EEV
V_ES	EVI Solenoid Valve
V_EB	EVI Bypass Valve

Classification	Description
V_HG	Hot Gas Bypass Valve
V_4W	4way Valve
V_AR	Accumulator Oil Return Valve
CV_E	EEV Bypass Check Valve
CV_D	Discharge Check Valve
T_D	Discharge Temperature Sensor
T_S	Suction Temperature Sensor
T_CO	Condenser Out Temperature Sensor
T_EI	EVI In Temperature Sensor
T_EO	EVI Out Temperature Sensor
T_L	Liquid Tube Temperature Sensor
T_CT	Compressor Top Temperature Sensor
T_A	Ambient Temperature Sensor
SV_G	Gas Pipe Service Valve
SV_L	Liquid Pipe Service Valve

8 Cycle diagram

Heat Pump

AM240HXVAGH/EU, AM260HXVAGH/EU



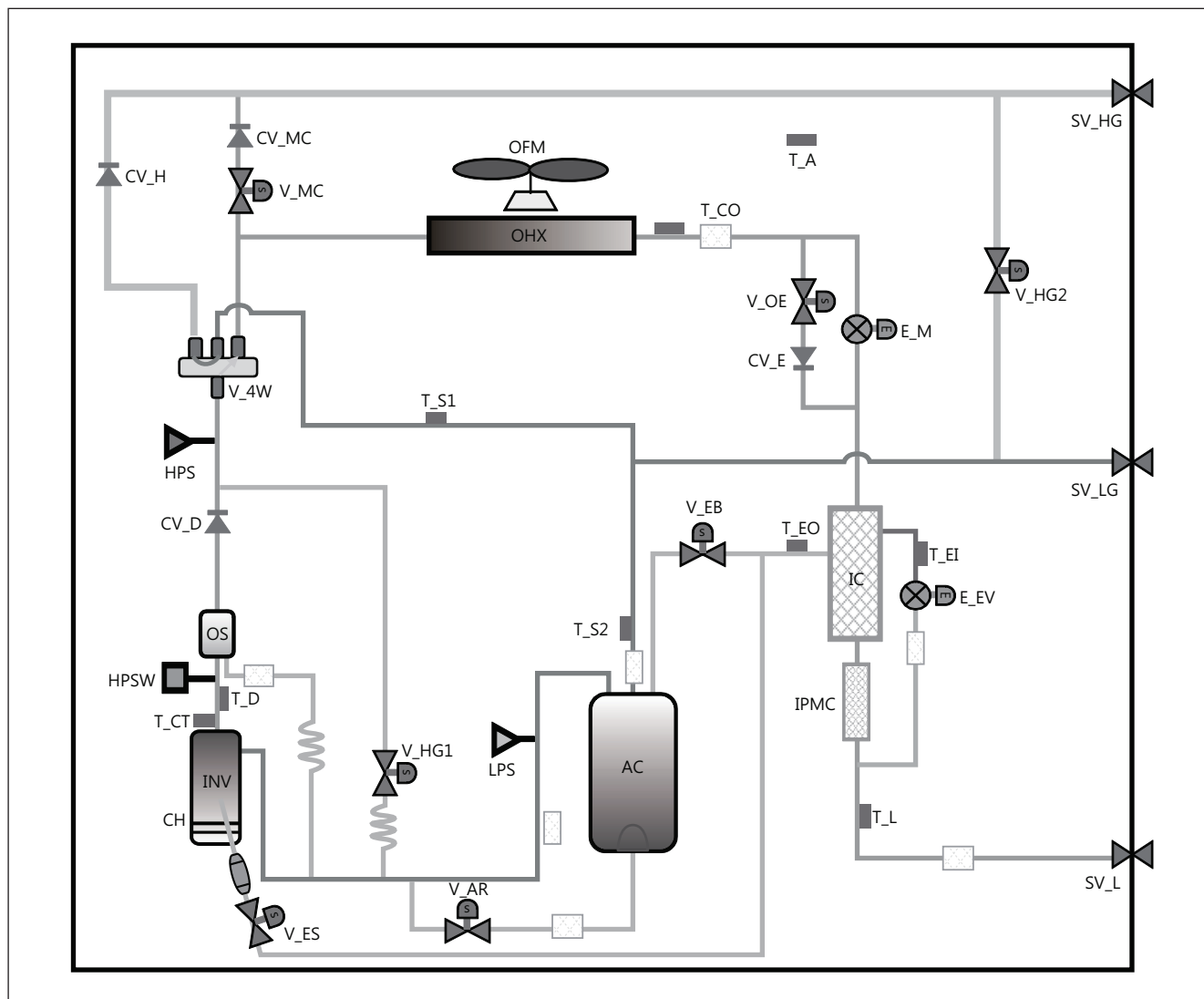
Classification	Description
INV	Inverter Compressor
OFM	Outdoor Fan Motor
OHX	Outdoor Heat Exchanger
AC	Accumulator
OS	Oil Separator
IC	Intercooler
IPMC	IPM Cooler
CH	Crank Case Heater
HPS	High Pressure Sensor
LPS	Low Pressure Sensor
HPSW	High Pressure Switch
E_M	Main EEV
E_EV	EVI EEV
V_ES	EVI Solenoid Valve
V_EB	EVI Bypass Valve

Classification	Description
V_HG	Hot Gas Bypass Valve
V_4W	4way Valve
V_AR	Accumulator Oil Return Valve
CV_E	EVI Bypass Check Valve
CV_D	Discharge Check Valve
T_D	Discharge Temperature Sensor
T_S	Suction Temperature Sensor
T_CO	Condenser Out Temperature Sensor
T_EI	EVI In Temperature Sensor
T_EO	EVI Out Temperature Sensor
T_L	Liquid Tube Temperature Sensor
T_CT	Compressor Top Temperature Sensor
T_A	Ambient Temperature Sensor
SV_G	Gas Pipe Service Valve
SV_L	Liquid Pipe Service Valve

8 Cycle diagram

Heat Recovery

AM080JXVHGR/EU, AM100JXVHGR/EU, AM120JXVHGR/EU



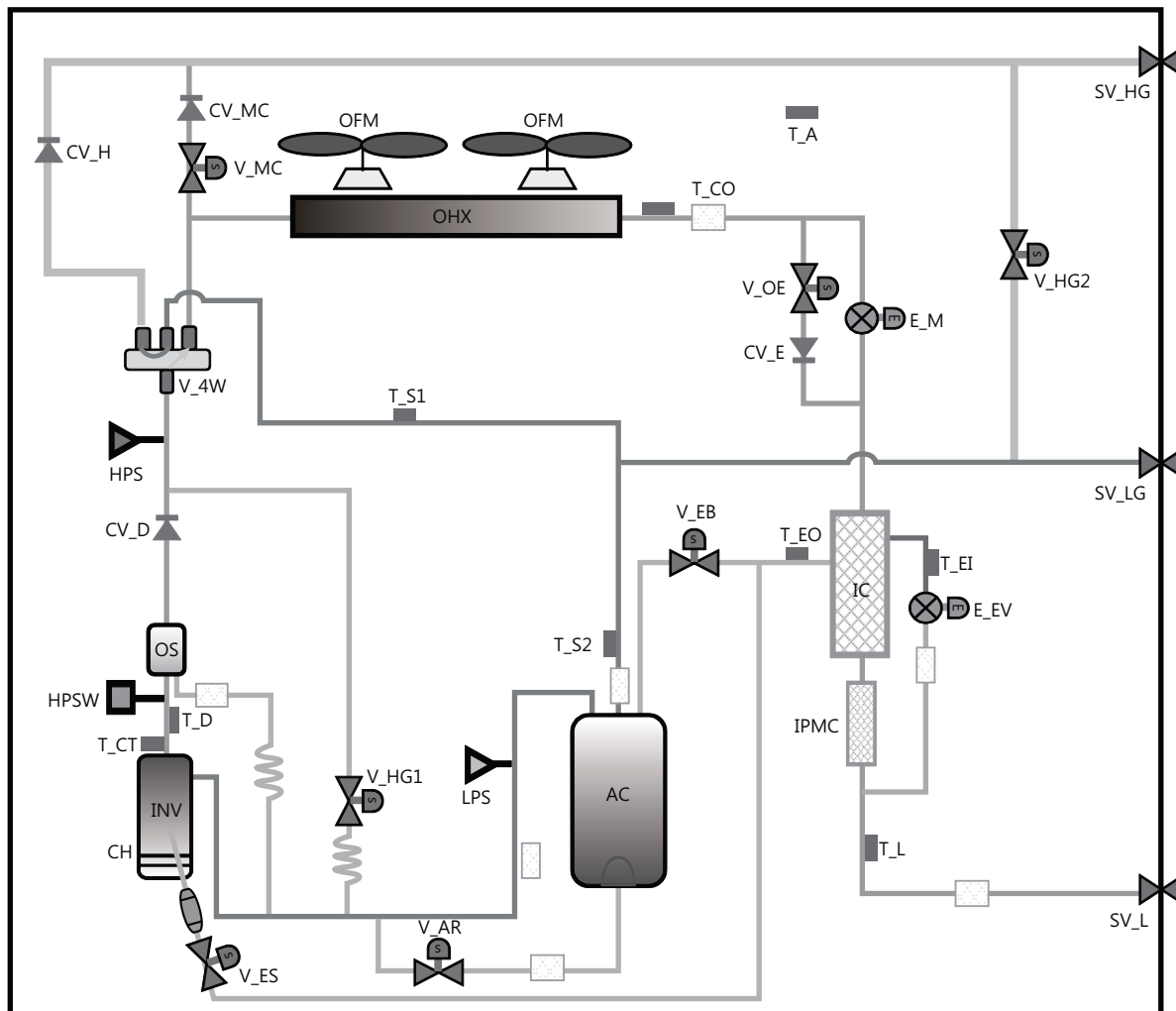
Classification	Description
INV	Inverter Compressor
OFM	Outdoor Fan Motor
OHX	Outdoor Heat Exchanger
AC	Accumulator
OS	Oil Separator
IC	Intercooler
IPMC	IPM Cooler
CH	Crank Case Heater
HPS	High Pressure Sensor
LPS	Low Pressure Sensor
HPSW	High Pressure Switch
E_M	Main EEV
E_EV	EVI EEV
V_MC	Main Cooling Valve
V_ES	EVI Solenoid Valve
V_EB	EVI Bypass Valve
V_HG1	Hot Gas Bypass Valve 1
V_HG2	Hot Gas Bypass Valve 2

Classification	Description
V_4W	4Way Valve
V_AR	Accumulator Oil Return Valve
V_OE	Outdoor EEV Valve
CV_E	EEV Bypass Check Valve
CV_D	Discharge Check Valve
CV_H	HR Check valve
CV_MC	Main Cooling Check Valve
T_D	Discharge Temp. Sensor
T_S1	Suction Temp. Sensor 1
T_S2	Suction Temp. Sensor 2
T_CO	Cond Out Temp. Sensor
T_EI	EVI In Temp. Sensor
T_EO	EVI Out Temp. Sensor
T_L	Liquid Tube Temp. Sensor
T_CT	Comp. Top Temp. Sensor
T_A	Ambient Temp. Sensor
SV_HG	Low Gas Pipe Service Valve
SV_LG	Ambient Temp. Sensor
SV_L	Liquid Pipe Service Valve

8 Cycle diagram

Heat Recovery

AM140JXVHGR/EU



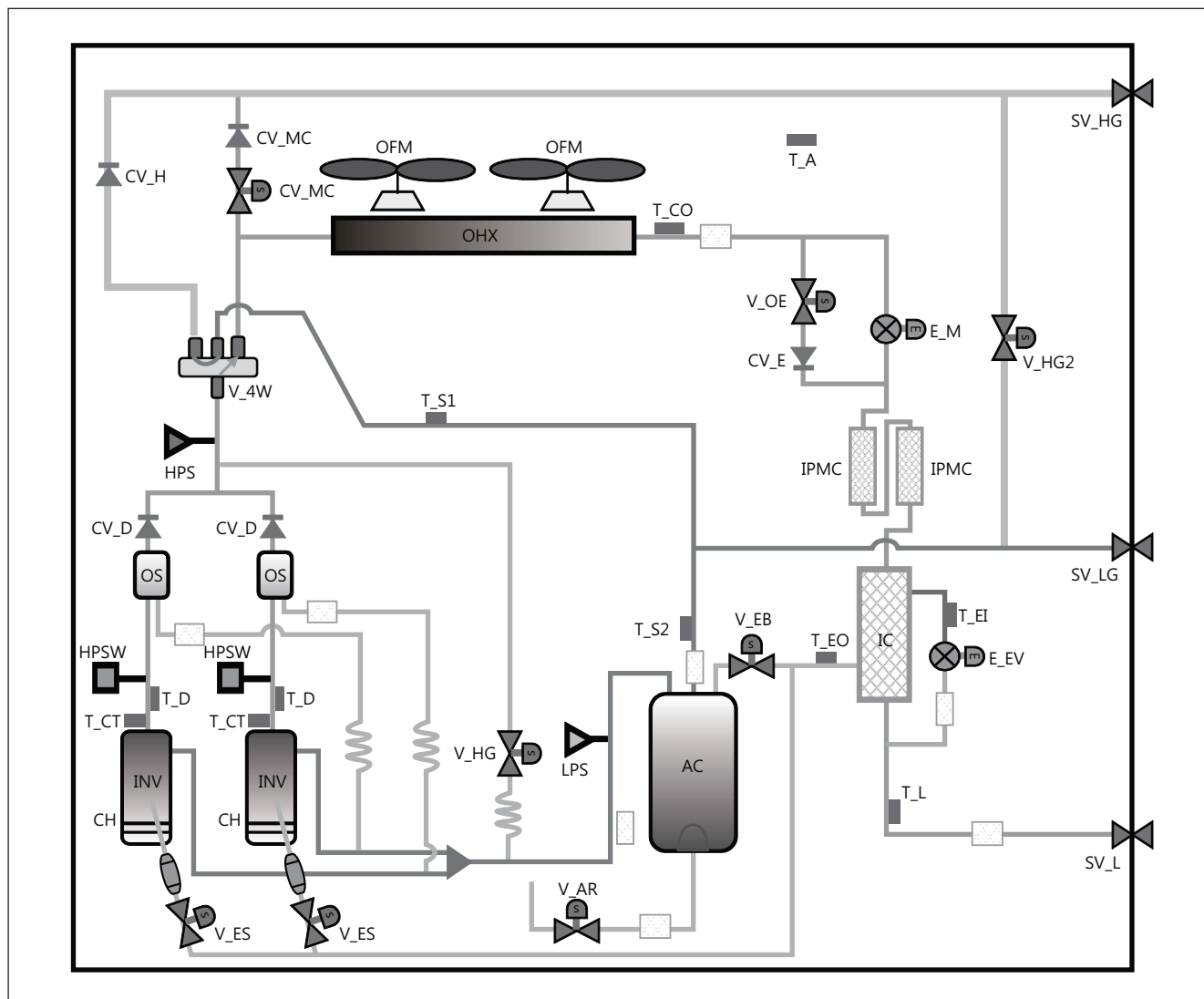
Classification	Description
INV	Inverter Compressor
OFM	Outdoor Fan Motor
OHX	Outdoor Heat Exchanger
AC	Accumulator
OS	Oil Separator
IC	Intercooler
IPMC	IPM Cooler
CH	Crank Case Heater
HPS	High Pressure Sensor
LPS	Low Pressure Sensor
HPSW	High Pressure Switch
E_M	Main EEV
E_EV	EVI EEV
V_MC	Main Cooling Valve
V_ES	EVI Solenoid Valve
V_EB	EVI Bypass Valve
V_HG1	Hot Gas Bypass Valve 1
V_HG2	Hot Gas Bypass Valve 2

Classification	Description
V_4W	4Way Valve
V_AR	Accumulator Oil Return Valve
V_OE	Outdoor EEV Valve
CV_E	EEV Bypass Check Valve
CV_D	Discharge Check Valve
CV_H	HR Check valve
CV_MC	Main Cooling Check Valve
T_D	Discharge Temp. Sensor
T_S1	Suction Temp. Sensor 1
T_S2	Suction Temp. Sensor 2
T_CO	Cond Out Temp. Sensor
T_EI	EVI In Temp. Sensor
T_EO	EVI Out Temp. Sensor
T_L	Liquid Tube Temp. Sensor
T_CT	Comp. Top Temp. Sensor
T_A	Ambient Temp. Sensor
SV_HG	Low Gas Pipe Service Valve
SV_LG	Ambient Temp. Sensor
SV_L	Liquid Pipe Service Valve

8 Cycle diagram

Heat Recovery

AM160JXVHGR/EU, AM180JXVHGR/EU, AM200JXVHGR/EU, AM220JXVHGR/EU



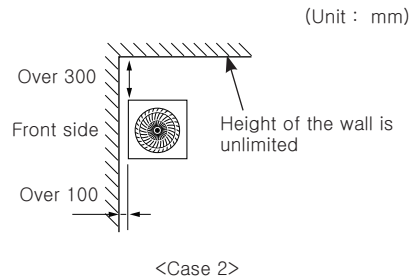
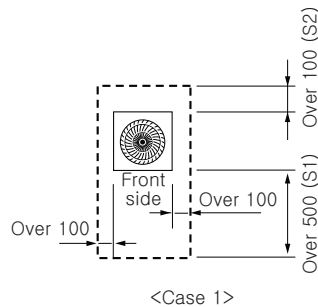
Classification	Description
INV	Inverter Compressor
OFM	Outdoor Fan Motor
OHX	Outdoor Heat Exchanger
AC	Accumulator
OS	Oil Separator
IC	Intercooler
IPMC	IPM Cooler
CH	Crank Case Heater
HPS	High Pressure Sensor
LPS	Low Pressure Sensor
HPSW	High Pressure Switch
E_M	Main EEV
E_EV	EVI EEV
V_MC	Main Cooling Valve
V_ES	EVI Solenoid Valve
V_EB	EVI Bypass Valve
V_HG1	Hot Gas Bypass Valve 1
V_HG2	Hot Gas Bypass Valve 2

Classification	Description
V_4W	4Way Valve
V_AR	Accumulator Oil Return Valve
V_OE	Outdoor EEV Valve
CV_E	EEV Bypass Check Valve
CV_D	Discharge Check Valve
CV_H	HR Check valve
CV_MC	Main Cooling Check Valve
T_D	Discharge Temp. Sensor
T_S1	Suction Temp. Sensor 1
T_S2	Suction Temp. Sensor 2
T_CO	Cond Out Temp. Sensor
T_EI	EVI In Temp. Sensor
T_EO	EVI Out Temp. Sensor
T_L	Liquid Tube Temp. Sensor
T_CT	Comp. Top Temp. Sensor
T_A	Ambient Temp. Sensor
SV_HG	Low Gas Pipe Service Valve
SV_LG	Ambient Temp. Sensor
SV_L	Liquid Pipe Service Valve

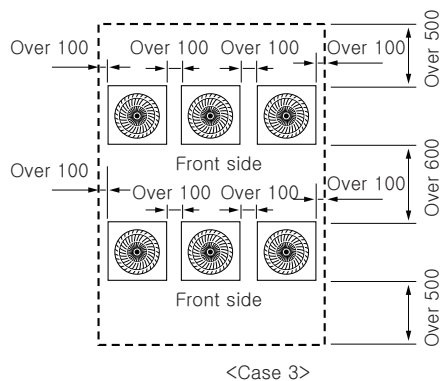
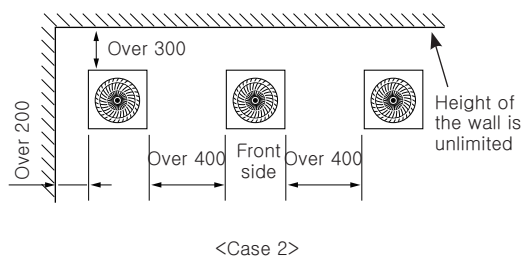
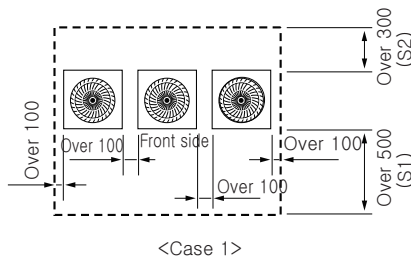
9 Installation

1. Space requirement for installation

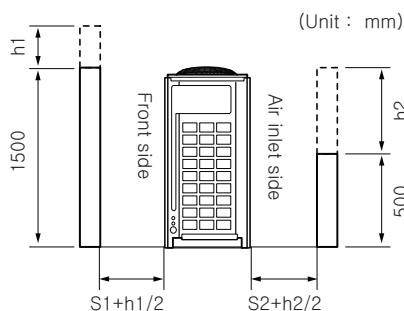
1) Single installation



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 (h_1 , h_2), additional clearance $[(h_1)/2, (h_2)/2]$: Half of the exceeded distance] should be added to the service space (S_1 , S_2)

✓ Note

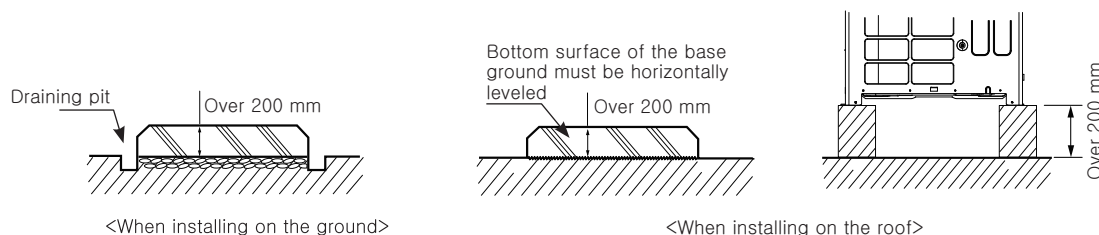
- ◆ Space requirement was decided based on following conditions: Cooling mode, outdoor temperature of 35 °C. Larger space is required if the outdoor temperature is higher than 35 °C or if the place is heated easily by quantity of solar radiation.
- ◆ When you secure installation space, consider path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

9 Installation

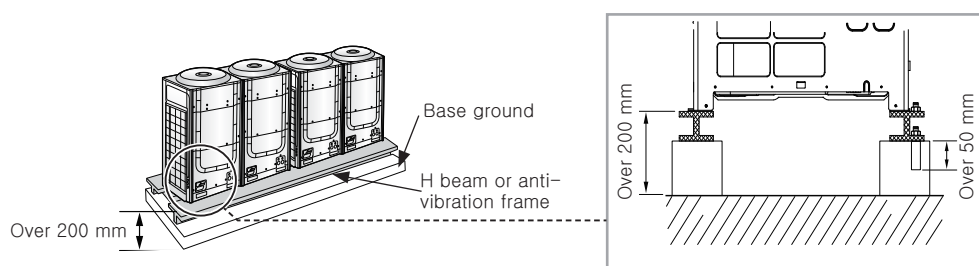
2. Base construction and installation of the outdoor unit

- ◆ Make sure that the height of the base ground is 200mm or higher to protect the outdoor unit from rain water or other external conditions. Also, install a draining pit around the base ground and connect the drain pipe to the drainage.
- ◆ Considering the vibration and weight of the outdoor unit, strength of the base ground must be strong to prevent noise and the top surface of it should be flat.
- ◆ Base ground should be 1.5 times larger than the bottom of the outdoor unit.
- ◆ Outdoor unit must be fixed firmly so that it can withstand the wind speed of 30m/s. If you cannot fix the outdoor unit on the base ground, fix it by side or use extra structure.
- ◆ In heating operation, defrost water may form so you must really care about the drainage and waterproofing the floor. To prevent defrost water from stagnating or freezing, construct a drainage with over 1/50 slope. (Ice may form on the floor in winter time.)
- ◆ It is necessary to add wire mesh or steel bar during concrete construction for the base ground to prevent damages or cracks.
- ◆ When installing multiple outdoor units at the same place, construct a H beam or an anti-vibration frame on the base ground to install the outdoor unit.
- ◆ After installing a H beam or an anti-vibration frame, apply corrosion protection and other necessary coating.
- ◆ When concrete construction for outdoor unit installation is completed, install an anti-vibration pad (t=20mm or more) or an anti-vibration frame to prevent vibration of the outdoor unit from transferring to the base ground.
- ◆ Place the outdoor unit on a H beam or an anti-vibration frame and fix it with the bolt, nut and washer. (The bearing force has to be over 3.5kN)

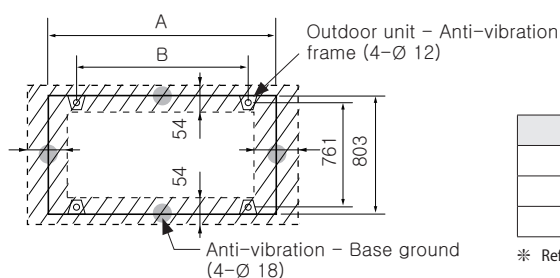
1) Base ground construction



2) Outdoor unit installation



3) Outdoor unit base mount and anchor bolt position



(Unit : mm)

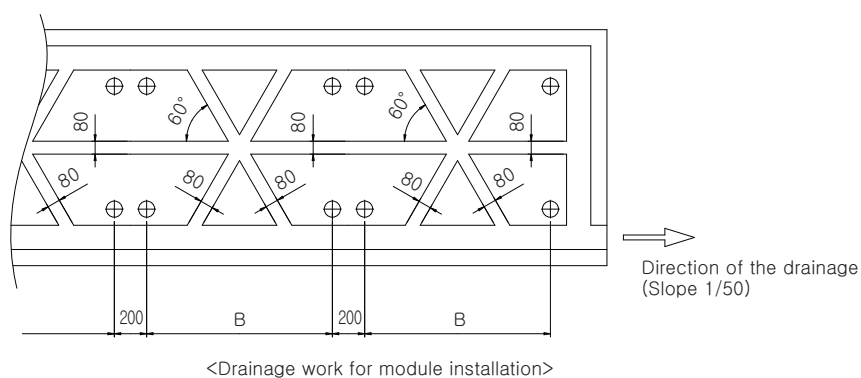
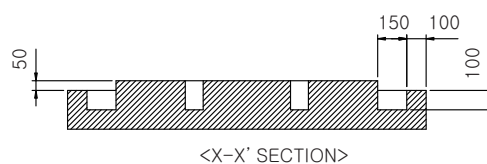
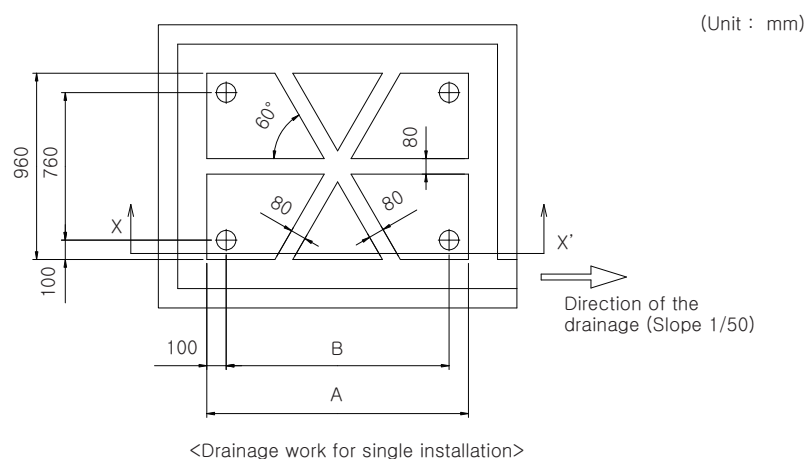
Classification	Small type	Large type
Models	AM080/100/120* XV * G *	AM140/160/180/200/220/240/260* XV * G *
A	880	1,295
B	740	1,150

* Refer to the blueprints in technical data book to make a holes for connecting the anti-vibration pad.

9 Installation

4) 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)

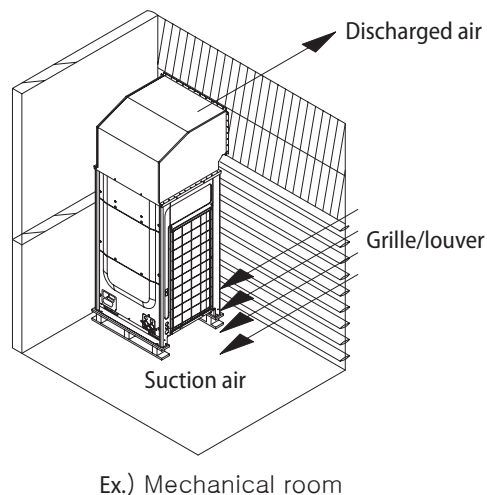
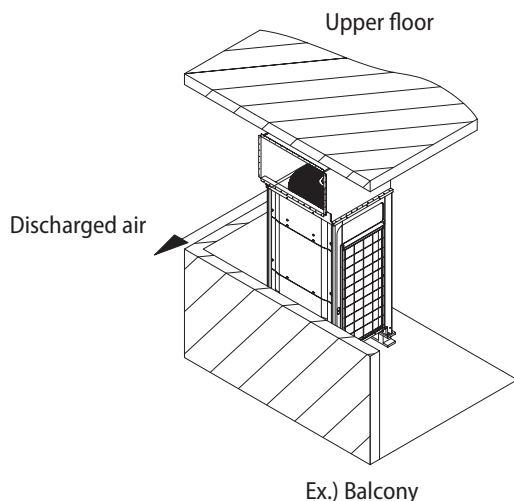
Classification	Small type	Large type
Models	AM080/100/120*XV*G*	AM140/160/180/200/220/240/260*XV*G*
A	940	1,350
B	740	1,150

9 Installation

5) Installing the wind/snow prevention duct

(1) Installing the outdoor unit around the obstacles

- It is necessary to install a wind/snow prevention 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.



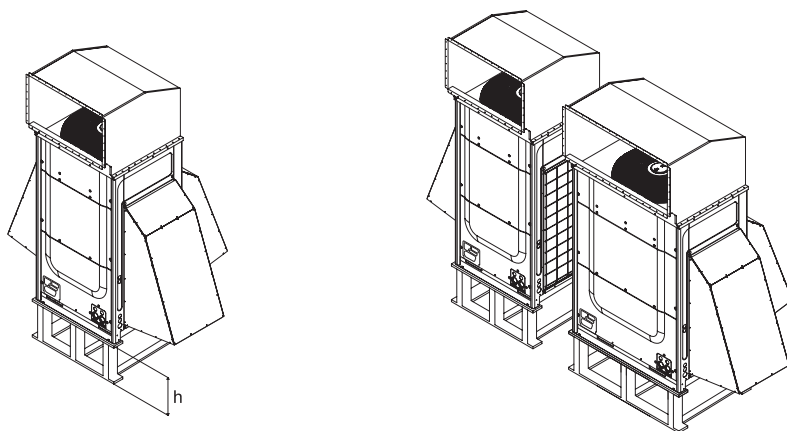
(2) Installing the outdoor unit in cold region

- 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.



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.



9 Installation

(3) 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.

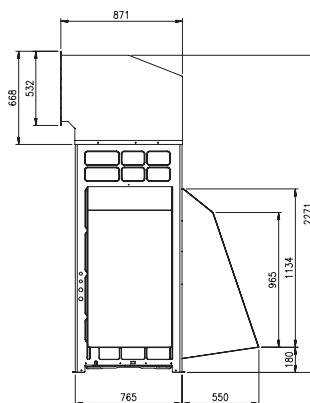
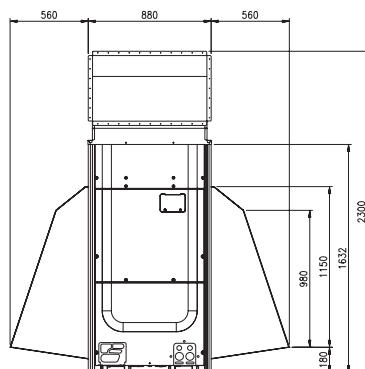
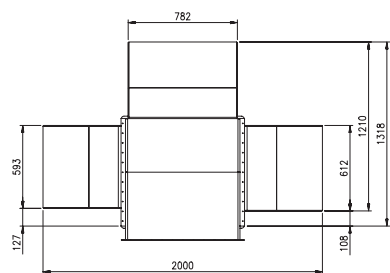


CAUTION

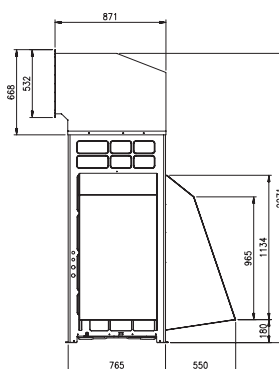
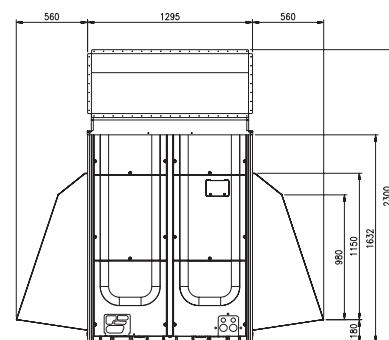
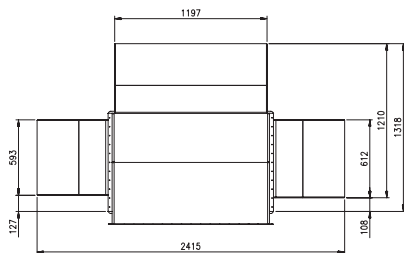
Cautions regarding on installing the frame and selecting the base ground

- 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*XB*G*>



<AM140/160/180/200/220/240/260*XB*G*>

9 Installation

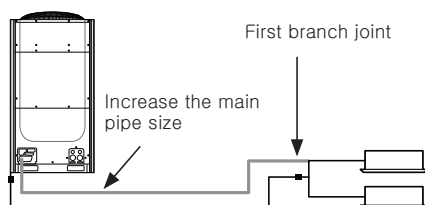
3. Refrigerant pipe installation

1) 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			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		

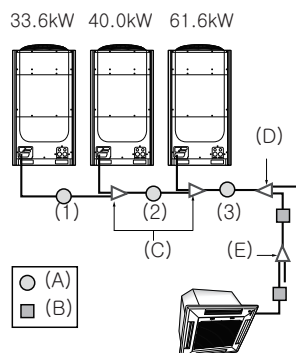
2) Selecting refrigerant pipe



- ▶ 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.

9 Installation

(1) Heat Pump



Ex.) 135.2 kW

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

① Size of the pipe connected to the outdoor unit (A)

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

Outdoor unit capacity (kW)	*Maximum pipe length within 90m (Main pipe diameter)		*Maximum pipe length over 90m (Main pipe diameter)		
	Liquid pipe (mm)	gas pipe (mm)	Liquid pipe (mm)	gas pipe (mm)	
22.4 kW	Ø 9.52	Ø 19.05	Ø 12.70	Ø 22.22	
28.0 kW		Ø 22.22		Ø 25.40 ^{note1)}	
33.6 kW	Ø 12.70	Ø 28.58	Ø 15.88	Ø 28.58	
40.0 kW				Ø 31.75 ^{note2)}	
45.0 kW			Ø 15.88		
50.4 kW	Ø 19.05				Ø 38.10 ^{note3)}
56.0 kW		Ø 34.92			
61.6 kW	Ø 41.28				
67.2 kW		Ø 22.22	Ø 41.28		
72.8 kW ~ 84.0 kW	Ø 53.98				
89.6 kW ~ 95.2 kW		Ø 22.22	Ø 53.98		
101.6 kW					
106.6 kW ~ 135.2 kW		Ø 22.22	Ø 53.98		
140.2 kW ~ 168.2 kW					
173.6 kW ~ 224.8 kW					

*Maximum pipe length : The pipe length between an outdoor unit and the farthest indoor unit

② 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.

Indoor unit capacity (kW)	Branch pipe length within 45m		Branch pipe length between 45~90m	
	Liquid pipe (mm)	Gas pipe (mm)	Liquid pipe (mm)	Gas pipe (mm)
15.0 kW and below	Ø 9.52	Ø 15.88	Ø 12.70	Ø 19.05
Over 15.0 kW ~ 22.4 kW and below		Ø 19.05		Ø 22.22
Over 22.4 kW ~ 28.1 kW and below		Ø 22.22		Ø 25.40 ^{note1)}
Over 28.1 kW ~ 40.0 kW and below	Ø 12.70	Ø 28.58	Ø 15.88	Ø 28.58
Over 40.0 kW ~ 45.0 kW and below				Ø 31.75 ^{note2)}
Over 45.0 kW ~ 63.3 kW and below	Ø 15.88	Ø 34.92	Ø 19.05	Ø 38.10 ^{note3)}
Over 63.3 kW ~ 70.3 kW and below				
Over 70.3 kW ~ 98.4 kW and below	Ø 19.05	Ø 41.28	Ø 22.22	Ø 41.28
Over 98.4 kW ~ 135.2 kW and below				
Over 135.2 kW ~ 169.0 kW and below				Ø 53.98
Over 169.0 kW	Ø 22.22	Ø 53.98	Ø 25.40 ^{note1)}	

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.

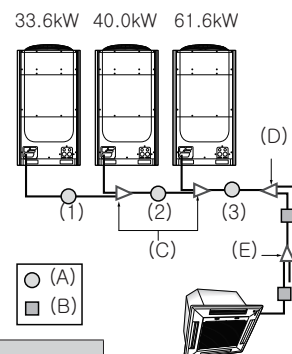
Note3) If Ø 38.10 pipe is not available on site, use Ø 41.28 pipe.

9 Installation

③ 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



④ Branch joint

► Branch joint between outdoor units (C)

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

► First branch joint (D)

Make a selection according to outdoor unit capacity.

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

► Branch joint (E)

Select a branch joint according to the sum of indoor unit capacity which will be connected after the branch.

< 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

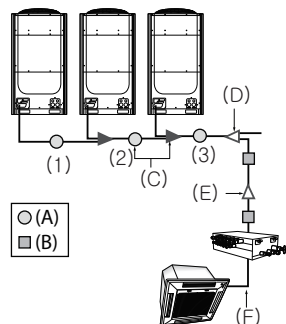
< Distribution header >

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)

9 Installation

(2) Heat Recovery

33.6kW 40.0kW 61.6kW



Ex.) 135.2 kW

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

① Size of the pipe connected to the outdoor unit (A)

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

Outdoor unit capacity (kW)	Main pipe length within 90m			Size Up (Main pipe length over 90m)		
	Liquid pipe (mm)	Low pressure gas pipe (mm)	High pressure gas pipe (mm)	Liquid pipe (mm)	Low pressure gas pipe (mm)	High pressure gas pipe (mm)
22.4 kW	Ø 9.52	Ø 19.05	Ø 15.88	Ø 12.70	Ø 19.05	Ø 15.88
28.0 kW		Ø 22.22	Ø 19.05		Ø 22.22	Ø 19.05
33.6 kW	Ø 12.70	Ø 28.58		Ø 22.22	Ø 28.58	
40.0 kW			Ø 15.88			Ø 22.22
45.0 kW				Ø 19.05		
50.4 kW	Ø 15.88	Ø 28.58				
56.0 kW			Ø 19.05		Ø 28.58	
61.6 kW				Ø 19.05		Ø 28.58
67.2 kW	Ø 19.05	Ø 28.58				
72.8 kW ~ 84.0 kW			Ø 19.05		Ø 28.58	
89.6 kW ~ 95.2 kW				Ø 19.05		Ø 28.58
101.6 kW	Ø 19.05	Ø 28.58				
106.6 kW ~ 135.2 kW			Ø 19.05		Ø 28.58	
140.2 kW ~ 168.2 kW				Ø 19.05		Ø 28.58
173.6 kW ~ 224.8 kW	Ø 19.05	Ø 28.58				

Note1) If Ø 25.40 pipe is not available on site, use Ø 28.58 pipe

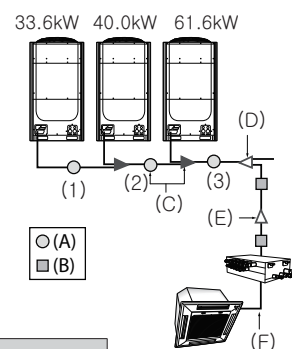
※ For HR model, only increase the size of the liquid pipe if pipe length exceeds 90m

② 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.

Indoor unit capacity (kW)	Pipe size (mm)		
	Liquid pipe	Low pressure gas pipe	High pressure gas pipe
15.0 kW and below	Ø 9.52	Ø 15.88	Ø 15.88
Over 15.0 kW ~ 22.4 kW and below		Ø 19.05	
Over 22.4 kW ~ 28.1 kW and below		Ø 22.22	
Over 28.1 kW ~ 33.6 kW and below	Ø 12.70	Ø 28.58	Ø 19.05
Over 33.6 kW ~ 45.0 kW and below			
Over 45.0 kW ~ 50.4 kW and below	Ø 15.88	Ø 34.92	Ø 22.22
Over 50.4 kW ~ 63.3 kW and below			
Over 63.3 kW ~ 70.3 kW and below	Ø 19.05	Ø 41.28	Ø 28.58
Over 70.3 kW ~ 98.4 kW and below			
Over 98.4 kW ~ 105.5 kW and below			
Over 105.5 kW ~ 135.2 kW and below	Ø 22.22	Ø 53.98	Ø 34.92
Over 135.2 kW ~ 169.0 kW and below			
Over 169.0 kW	Ø 22.22	Ø 53.98	Ø 41.28

9 Installation



③ 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

④ Branch joint

► Branch joint between outdoor units (C)

Classification	Model name	Specification (kW)
Liquid/Low pressure Y-joint (C)	MXJ-TA3419M	135.2 kW and below
	MXJ-TA4122M	Over 140.2 kW
High pressure Y-joint (C)	MXJ-TA3100M	135.2 kW and below
	MXJ-TA3800M	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
Liquid/Low pressure Y-joint (C)	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
High pressure Y-joint (C)	22.4 kW	MXJ-YA1500M
	28.0 kW ~ 67.2 kW	MXJ-YA2500M
	73.6 kW ~ 135.2 kW	MXJ-YA3100M
	140.2 kW and over	MXJ-YA3800M

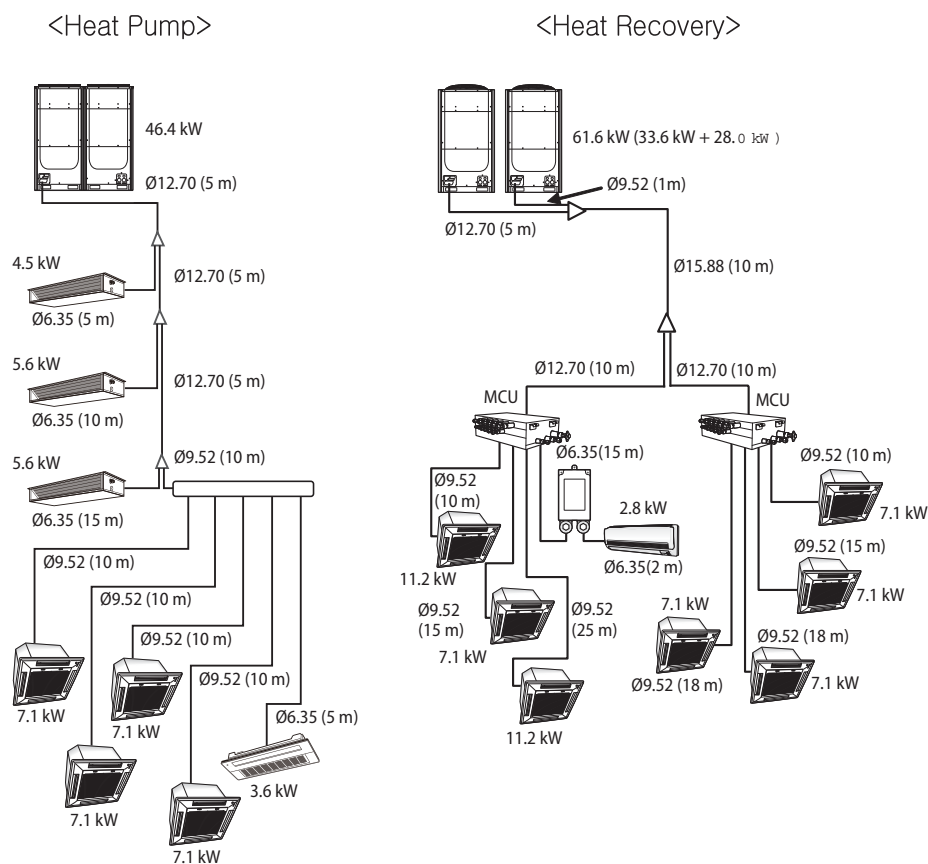
► Branch joint (E)

Select a branch joint according to the sum of indoor unit capacity which will be connected after the branch.

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
Y-joint (E) (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

9 Installation

(3) Additional refrigerant



► 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	AM080*XVAG*	AM100*XVAG*	AM120*XVAG*	AM140*XVAG*	AM160*XVAG*	AM180*XVAG*
Basic type	5.5	5.5	6.5	7.7	7.7	8.4
Classification	AM200*XVAG*	AM220*XVHG*	AM240*XVAG*	AM260*XVAG*	AM080*XVHG*	AM100*XVHG*
Basic type	8.4	8.4	14.3	14.3	6.5	6.5
Classification	AM120*XVHG*	AM140*XVHG*	AM160*XVHG*	AM180*XVHG*	AM200*XVHG*	AM220*XVHG*
Basic type	6.5	7.7	7.7	8.4	8.4	8.4

► Amount of additional refrigerant depending on the pipe size (g)

– Amount of additional refrigerant has to be calculated based on the sum of all liquid pipe length.

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

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

9 Installation

► Amount of additional refrigerant for each indoor unit (㉞)

Capacity (kW) Model	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***FN1DEH*)			0.25	0.25		0.25																		
Interior 1way cassette (AM***HN1DEH*)		0.15	0.15																					
2way cassette (AM***FN2DEH*)								0.31		0.47														
4Way Casette S (AM***FN4DEH*)							0.45	0.45		0.45		0.45	0.57	0.69	0.69									
Floor Standing Unit (AM***FNFDEH*)						0.22		0.32		0.32														
ERV plus (AM***FNKDEH*)																						0.11	0.36	
4way cassette S (600×600) (AM***FNNDEH*)	0.29		0.29	0.29		0.29	0.37	0.37	0.37															
Global duct-1 (AM***HNMPKH*)							0.22	0.22		0.22														
Global duct-2 (AM***HNMPKH*)					0.31	0.31						0.31												
Global duct-3 (AM***HNMPKH*)							0.38	0.38		0.38			0.38	0.38	0.38									
Slim duct (AM***FNLDEH*)		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***FNMDEH*)			0.24	0.24		0.24	0.28	0.28		0.28		0.32	0.54	0.68	0.68									
Ceiling (AM***FNCDEH* / AM***JNCDEKH*)								0.39		0.39			0.56		0.95									
Console (AM***FNJDEH*)				0.27		0.27		0.27																
Neo forte (AM***FNTDEH*)	0.24		0.24	0.24		0.24		0.36		0.36														
Neo forte (with EEV) (AM***FNQDEH*)	0.34		0.34	0.34		0.34	0.51	0.51		0.51														
AR5000 (AM***JNADKH*)	0.16		0.16	0.19		0.25	0.25	0.52		0.52	0.52													
AR5000 (with EEV) (AM***JNVDKH*)	0.22		0.22	0.25		0.34	0.34	0.71		0.71	0.71													
HSP duct (AM***FNHDEH*)													0.68	0.68	0.68			1.18		1.18				
FRESH duct (AM***JNEPEH*)															0.68			1.18		1.18				
Big duct (AM***JNHFKH*)																	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.

► Method to calculate total amount of additional refrigerant

- Amount of additional refrigerant depending on the pipe length (㉞)
- Amount of additional refrigerant for each indoor unit (㉞) = Σ (Amount of additional refrigerant for each connected indoor unit)
- ※Refer to the table
- Total amount of additional refrigerant = ㉞+㉞

※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 AM200FXVAGT, basic amount of refrigerant is 8.4kg, therefore total amount of additional refrigerant (㉞+㉞) should not exceed 91.6 kg.

※Additional refrigerant for Duct S is separated by size

: Global duct-1(850mmx250mmx700mm), Global duct-2(1200mmx250mmx700mm), Global duct-3(1300mmx300mmx700mm)

9 Installation

► 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	Σ(①×②)
Liquid pipe (a)	Ø 6.35	35	0.02	0.7	a 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	Σ(①×②)
Indoor unit (b)	4way cassette (AM071FN4DEH*)	4	0.45	1.80	b 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 (a+b) = 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	Σ(①×②)
Liquid pipe (a)	Ø 6.35	15	0.02	0.3	a 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	

Classification	Model name of indoor unit	Number of units	Unit amount of refrigerant (kg/EA)	Amount of additional refrigerant (kg)	Total amount of additional refrigerant (kg)
		①	②	①×②	Σ(①×②)
Indoor unit (b)	4way cassette (AM071FN4DEH*)	5	0.45	2.25	b 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 (a+b) = 11.965+4.66 = 16.625 (kg)

9 Installation

3) 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	
Ø 22.22	0.90	Drawn
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	

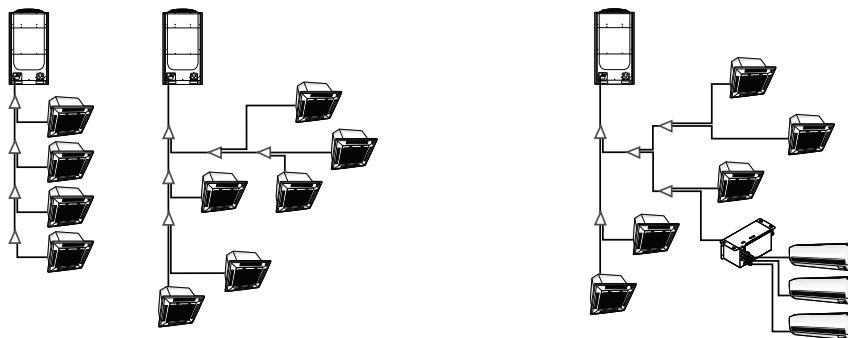
※For pipes larger than Ø 19.05, drawn type (C1220T-1/2H or C1220T-H) type copper pipe must be used. If a annealed type (C1220T-O) copper pipe is used, pipe may break due to its low pressure resistance and cause personal injury.

9 Installation

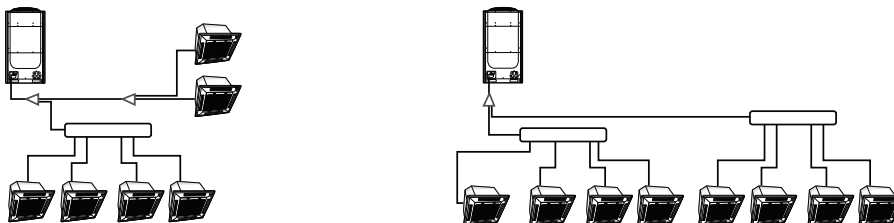
4) Examples of refrigerant pipe installation

(1) Heat Pump

<Using Y-joint>

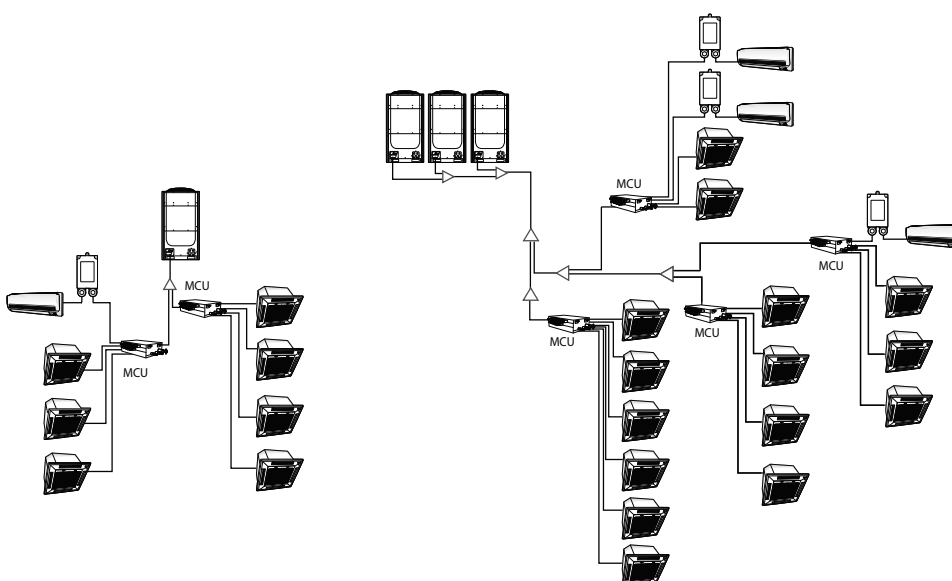


<Using distribution header>



(2) Heat Recovery

<Using Y-joint>

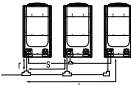


9 Installation

5) Allowable length of the refrigerant pipe and the installation examples

(1) Heat Pump

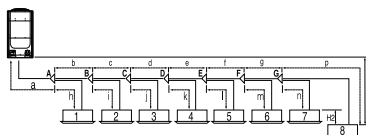
Classification	Single Installation	Module installation
Installing only with Y-joint		
Installing with Y-joint and distribution header		
Installing only with distribution header		

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

9 Installation

Classification				Example	Remarks
Maximum allowable height difference of pipe	Outdoor unit ~ Indoor unit	110/110m Note 2)		H1 ≤ 110/100m	
	Indoor unit ~ Indoor unit	50m or less		H2 ≤ 50m	
		But, when AM***FNQDEH* is installed, H2 is 15 m or less			
Maximum allowable length after branch joint	First branch joint ~ Farthest Indoor unit	Pipe length	45 m or less	b+c+d+e+f+g+p ≤ 45m, i ≤ 45 m	-
			45 m~90 m Note 1)	Required conditions must be satisfied	Exclude H/R

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

Classification	Condition	Example
First branch joint ~ Farthest Indoor unit	$45\text{m} \leq b+c+d+e+f+g+p \leq 90\text{m}$: 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, $a+(b+c+d+e+f+g) \times 2 + h+i+j+k+l+m+n+p \leq 1000$ m If the size of pipe (main pipe), between the first branch joint and the outdoor unit, is increased by 1 grade, $(a+b+c+d+e+f+g) \times 2 + h+i+j+k+l+m+n+p \leq 1000$ m	
Each Y-joint ~ Each indoor unit	$h, i, j, \dots p \leq 45$ m	
Difference between the distance of the outdoor unit to the farthest indoor unit and nearest indoor unit $\leq 45\text{m}$. $(a+b+c+d+e+g+p)-(a+h) \leq 45\text{m}$		

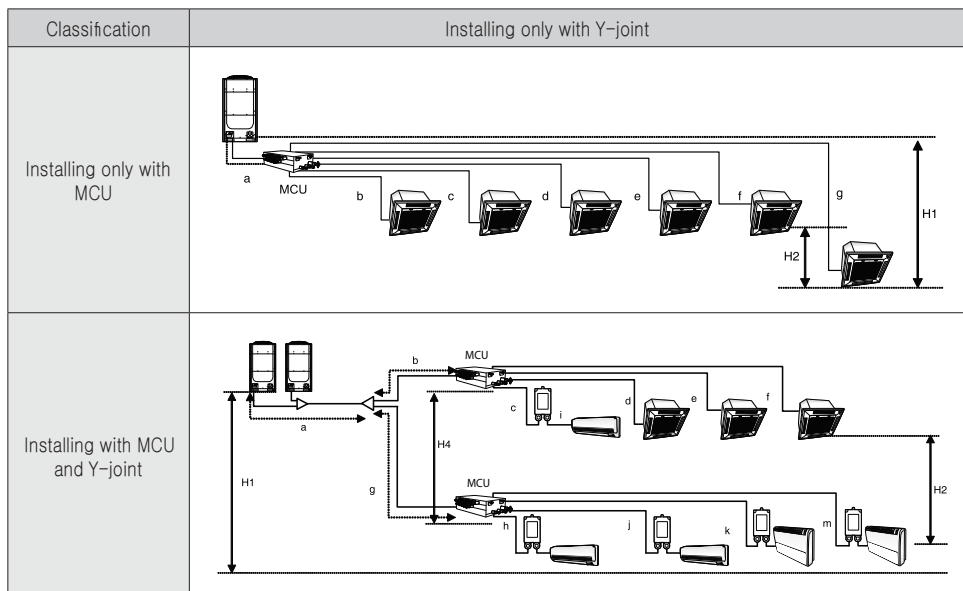
Note 1) Required condition

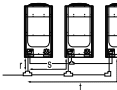
Note 2) When indoor unit is located at higher level than outdoor unit, allowable height difference is 110m, (If the height difference is over 40m, contact your local dealer for more information.) but when the indoor unit is located at lower level than outdoor unit, allowable height difference is 110m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

9 Installation

(2) Heat Recovery



Items				Examples		Remarks	
Max. piping length	Outdoor ~ Indoor unit	Piping (Equivalent piping)	200 m below (220 m below)	Using MCU only	$a+g \leq 200 \text{ m (220 m)}$	Equivalent pipe length Y joint : 0.5 m Header : 1 m MCU : 1 m	
				Using Y-joint and MCU	$a+g+m \leq 200 \text{ m (220 m)}$		
		Total piping	1000 m below	Using MCU only	$a+b+c+d+e+f+g \leq 1000 \text{ m}$		—
				Using Y-joint and MCU	$a+b+c+d+e+f+g+p+h+i+j+k+m \leq 1000 \text{ m}$		—
	Outdoor unit ~ Outdoor unit (Module installation)	Piping	10 m below	$r \leq 10, s \leq 10, t \leq 10 \text{ m}$			
		Equivalent piping	13 m below	$r \leq 13, s \leq 13, t \leq 13 \text{ m}$			
Level difference	Outdoor ~ Indoor unit	Piping	110 m / 110 m Note 1)	$H1 \leq 110 \text{ m/110 m}$		—	
	Indoor ~ Indoor unit	Piping	15 m below	$H2 \leq 15 \text{ m}$		—	
	MCU ~ MCU	Piping	15 m below	$H4 \leq 15 \text{ m}$		—	
Allowable length after branch	The first branch ~ the farthest indoor unit	Piping	45 m below	Using MCU only	45 m	—	
				Using Y-joint and MCU	$g+m \leq 45 \text{ m}$		

Distribution kit			Model		Remarks
Allowable	From distribution kit to indoor unit	2 m	MEV-E24SA, MEV-E32SA (For 1 indoor unit)		For wall-mounted & ceiling indoor unit

Note 1) 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

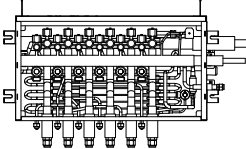
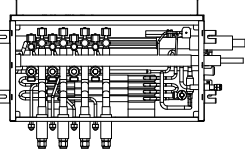
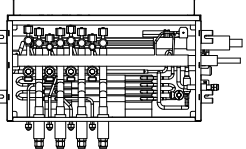
*PDM kit: Pressure Drop Modulation kit

✱ Total refrigerant amount of the system must be less than 100 kg. If total refrigerant amount of system is over than 100 kg, the system has to be divided into smaller system, each less than 100 kg.

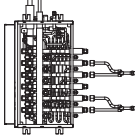
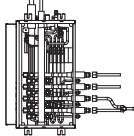
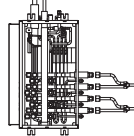
9 Installation

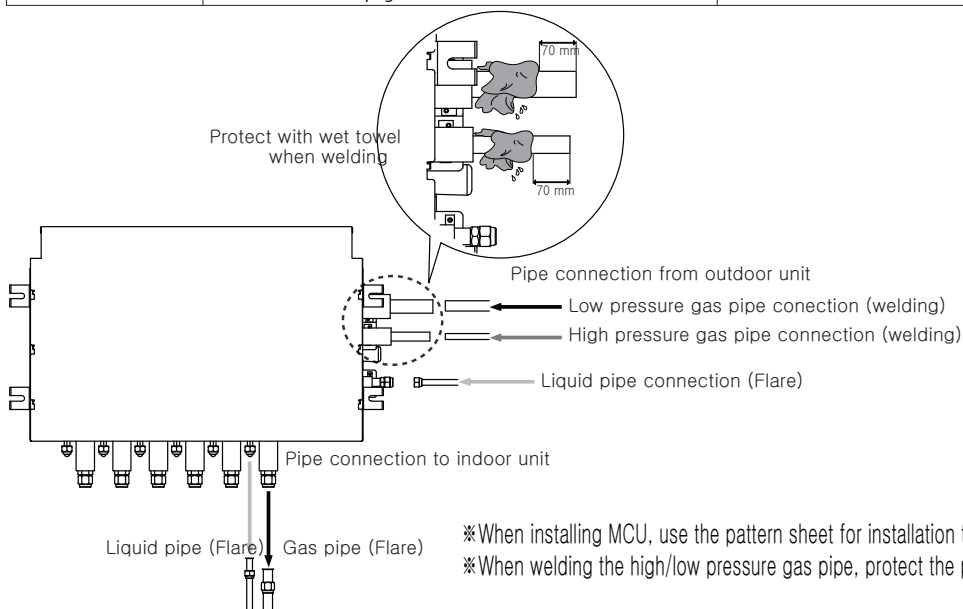
6) Installing the MCU

(1) MCU specification

Model	MCU-S6NEE1N	MCU-S4NEE1N	MCU-S4NEE2N
Exterior of MCU			
Number of connectable indoor units	Up to 6 units	Up to 4 units	Up to 2 units ※ Refer the detail information of installation manual
Maximum capacity of connectable indoor units	56 kW	56 kW	56 kW

(2) Installing the indoor units

Model	MCU-S6NEE1N	MCU-S4NEE1N	MCU-S4NEE2N
Example installing			
Installing indoor units	The indoor unit's capacity which is under 14kW, can be connected in the MCU. Do not connect the indoor unit's capacity exceeds 14kW. Single capacity range under 10.0kW - Connect the liquid, gas pipe of indoor unit to each single port in MCU. Single capacity range between 11.2kW to 14.0kW - Join two ports in the MCU with offered Y-connector(liquid, gas), then connect to indoor unit as above. ※ Reference of continuous cooling. In case of continuous cooling at below -5 °C(23 °F) ambient condition, join two ports in the MCU with offered Y-connector, then connect to indoor unit even though unit's capacity is between 5.0kW to 10.0kW. Option switch and key function needs to be set. Detail information refer to pages 87~89.		The indoor unit's capacity which is greater than or equal to 11.2kW, can be connected in the MCU. Do not connect the indoor unit's capacity not exceeding 11.2kW. Single capacity range between 11.2kW to 28.0kW - Join two ports in the MCU with offered Y-connector(liquid, gas), then connect to indoor unit as above.



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4. Electrical wiring work

1) Specification of the circuit breaker and power cable

Heat Pump - High EER type

Model	MCA	MFA
AM080JXVHGH/EU	18.1	25
AM100JXVHGH/EU	21.1	32
AM120JXVHGH/EU	25.0	32
AM140JXVHGH/EU	25.0	32
AM160JXVHGH/EU	32.0	40
AM180JXVHGH/EU	39.1	50
AM200JXVHGH/EU	42.5	63
AM220JXVHGH/EU	44.5	63
AM240HXVAGH/EU	55.0	63
AM240JXVHGH/EU*	50.0	63
AM260HXVAGH/EU	58.0	63
AM260JXVHGH/EU*	50.0	63
AM280JXVHGH1EU	57.0	63
AM300JXVHGH1EU	64.1	75
AM320JXVHGH1EU	67.5	75
AM340JXVHGH1EU	69.5	80
AM360JXVHGH1EU	69.5	80
AM380JXVHGH1EU	76.5	90
AM400JXVHGH1EU	83.0	100
AM400JXVHGH1EU*	85.0	100
AM420JXVHGH1EU	87.0	100
AM440JXVHGH1EU	89.0	100
AM460JXVHGH1EU	94.5	125
AM480JXVHGH1EU	94.5	125
AM500JXVHGH1EU	101.5	125
AM520JXVHGH1EU	108.6	125
AM540JXVHGH1EU	112.0	125
AM560JXVHGH1EU	114.0	125
AM580JXVHGH1EU	114.0	125
AM600JXVHGH1EU	121.0	150
AM620JXVHGH1EU	129.5	150
AM640JXVHGH1EU	131.5	150
AM660JXVHGH1EU	133.5	150
AM680JXVHGH1EU	139.0	175
AM700JXVHGH1EU	139.0	175
AM720JXVHGH1EU	146.0	175
AM740JXVHGH1EU	153.1	175
AM760JXVHGH1EU	156.5	175
AM780JXVHGH1EU	158.5	175
AM800JXVHGH1EU	158.5	175

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Heat Pump - High EER type (Compact)

Model	MCA	MFA
AM360JXVHGH2EU	80.0	90
AM380JXVHGH2EU	83.0	100
AM460JXVHGH2EU	100.5	125
AM480JXVHGH2EU	102.5	125
AM500JXVHGH2EU	113.0	125
AM520JXVHGH2EU	116.0	150
AM580JXVHGH2EU	125.5	150
AM600JXVHGH2EU	127.5	150
AM620JXVHGH2EU	138.0	175
AM640JXVHGH2EU	141.0	175
AM680JXVHGH2EU	144.0	175
AM700JXVHGH2EU	147.0	175
AM720JXVHGH2EU	157.5	175
AM740JXVHGH2EU	160.5	200
AM760JXVHGH2EU	171.0	200
AM780JXVHGH2EU	174.0	200

9 Installation

Heat Pump - Standard type

Model	MCA	MFA
AM080JXVAGH/EU	18.0	25
AM100JXVAGH/EU	21.1	32
AM120JXVAGH/EU	25.0	32
AM140JXVAGH/EU	25.0	32
AM160JXVAGH/EU	32.0	40
AM180JXVAGH/EU	39.1	50
AM200JXVAGH/EU	42.5	63
AM220JXVAGH/EU	44.5	63
AM240HXVAGH/EU	55.0	63
AM260HXVAGH/EU	58.0	63
AM280JXVAGH1EU	57.0	63
AM300JXVAGH1EU	64.1	75
AM320JXVAGH1EU	67.5	75
AM340JXVAGH1EU	69.5	80
AM360JXVAGH1EU	69.5	80
AM380JXVAGH1EU	76.5	90
AM400JXVAGH1EU	83.0	100
AM420JXVAGH1EU	87.0	100
AM440JXVAGH1EU	89.0	100
AM460JXVAGH1EU	94.5	125
AM480JXVAGH1EU	94.5	125
AM500JXVAGH1EU	101.5	125
AM520JXVAGH1EU	108.6	125
AM540JXVAGH1EU	112.0	125
AM560JXVAGH1EU	114.0	125
AM580JXVAGH1EU	114.0	125
AM600JXVAGH1EU	121.0	150
AM620JXVAGH1EU	128.1	150
AM640JXVAGH1EU	131.5	150
AM660JXVAGH1EU	133.5	150
AM680JXVAGH1EU	139.0	175
AM700JXVAGH1EU	139.0	175
AM720JXVAGH1EU	146.0	175
AM740JXVAGH1EU	153.1	175
AM760JXVAGH1EU	156.5	175
AM780JXVAGH1EU	158.5	175
AM800JXVAGH1EU	158.5	175

9 Installation

Heat Pump - Standard type (Compact)

Model	MCA	MFA
AM360JXVAGH2EU	80.0	90
AM380JXVAGH2EU	83.0	100
AM460JXVAGH2EU	100.5	125
AM480JXVAGH2EU	102.5	125
AM500JXVAGH2EU	113.0	125
AM520JXVAGH2EU	116.0	150
AM580JXVAGH2EU	125.5	150
AM600JXVAGH2EU	127.5	150
AM620JXVAGH2EU	138.0	175
AM640JXVAGH2EU	141.0	175
AM680JXVAGH2EU	144.0	175
AM700JXVAGH2EU	147.0	175
AM720JXVAGH2EU	157.5	175
AM740JXVAGH2EU	160.5	200
AM760JXVAGH2EU	171.0	200
AM780JXVAGH2EU	174.0	200

9 Installation

Heat Recovery - High EER type

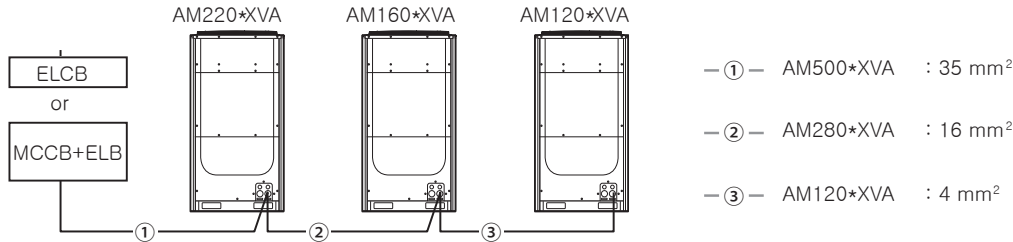
Model	MCA	MFA
AM080JXVHGR/EU	18.0	25
AM100JXVHGR/EU	21.1	32
AM120JXVHGR/EU	25.0	32
AM140JXVHGR/EU	25.0	32
AM160JXVHGR/EU	32.0	40
AM180JXVHGR/EU	39.1	50
AM200JXVHGR/EU	42.5	63
AM220JXVHGR/EU	44.5	63
AM240JXVHGR1EU	50.0	63
AM260JXVHGR1EU	50.0	63
AM280JXVHGR1EU	57.0	63
AM300JXVHGR1EU	64.1	75
AM320JXVHGR1EU	67.5	75
AM340JXVHGR1EU	69.5	80
AM360JXVHGR1EU	69.5	80
AM380JXVHGR1EU	76.5	90
AM400JXVHGR1EU	85.0	100
AM420JXVHGR1EU	87.0	100
AM440JXVHGR1EU	89.0	100
AM460JXVHGR1EU	94.5	125
AM480JXVHGR1EU	94.5	125
AM500JXVHGR1EU	101.5	125
AM520JXVHGR1EU	108.6	125
AM540JXVHGR1EU	112.0	125
AM560JXVHGR1EU	114.0	125
AM580JXVHGR1EU	114.0	125
AM600JXVHGR1EU	121.0	150
AM620JXVHGR1EU	129.5	150
AM640JXVHGR1EU	131.5	150
AM660JXVHGR1EU	133.5	150
AM680JXVHGR1EU	139.0	175
AM700JXVHGR1EU	139.0	175
AM720JXVHGR1EU	146.0	175
AM740JXVHGR1EU	153.1	175
AM760JXVHGR1EU	156.5	175
AM780JXVHGR1EU	158.5	175
AM800JXVHGR1EU	158.5	175

9 Installation

※ 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



- 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 S_{sc} is greater than or equal to $S_{sc}(*2)$ 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 S_{sc} greater than or equal to $S_{sc}(*2)$.

[$S_{sc}(*2)$]

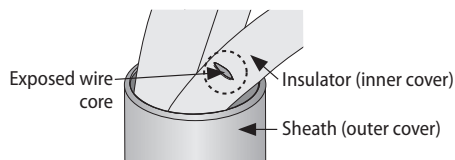
Model	S_{sc} [MVA]	Model	S_{sc} [MVA]
AM080JXVHG*	3.3	AM180JXVHG*	7.6
AM100JXVHG*	4.5	AM200JXVHG*	8.1
AM120JXVHG*	5.3	AM220JXVHG*	8.6
AM140JXVHG*	5.3	AM240HXVAG*	11.7
AM160JXVHG*	6.8	AM260HXVAG*	8.6

Model	S_{sc} [MVA]	Model	S_{sc} [MVA]
AM080JXVAG*	3.3	AM160JXVAG*	6.8
AM100JXVAG*	4.5	AM180JXVAG*	7.6
AM120JXVAG*	5.3	AM200JXVAG*	8.1
AM140JXVAG*	5.3	AM220JXVAG*	8.6



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.



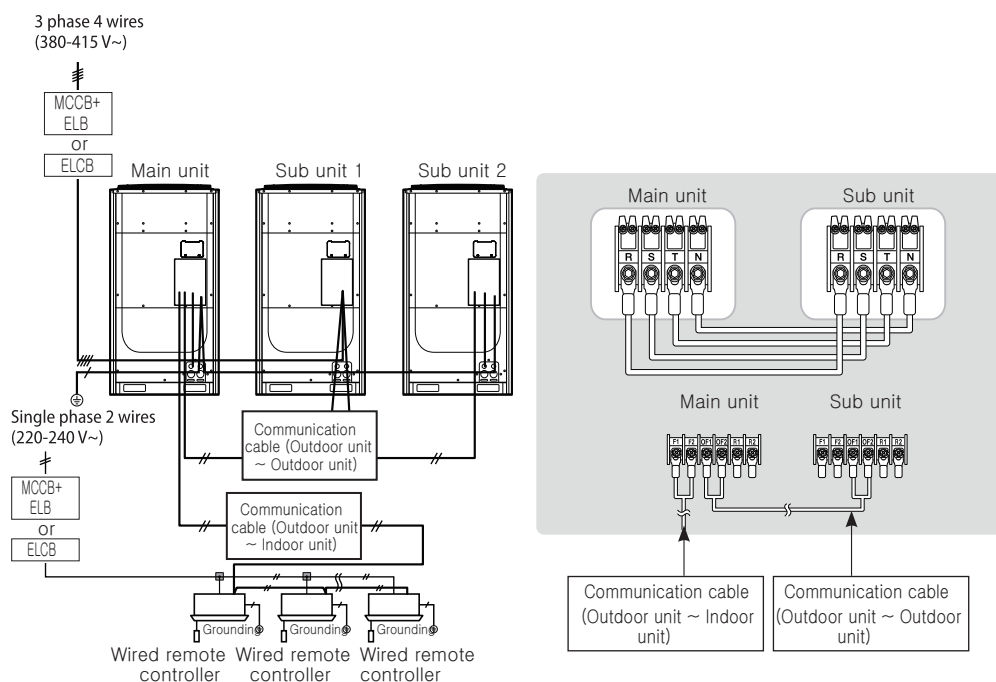
<The example of exposed core wire>

9 Installation

2) Power wiring diagram

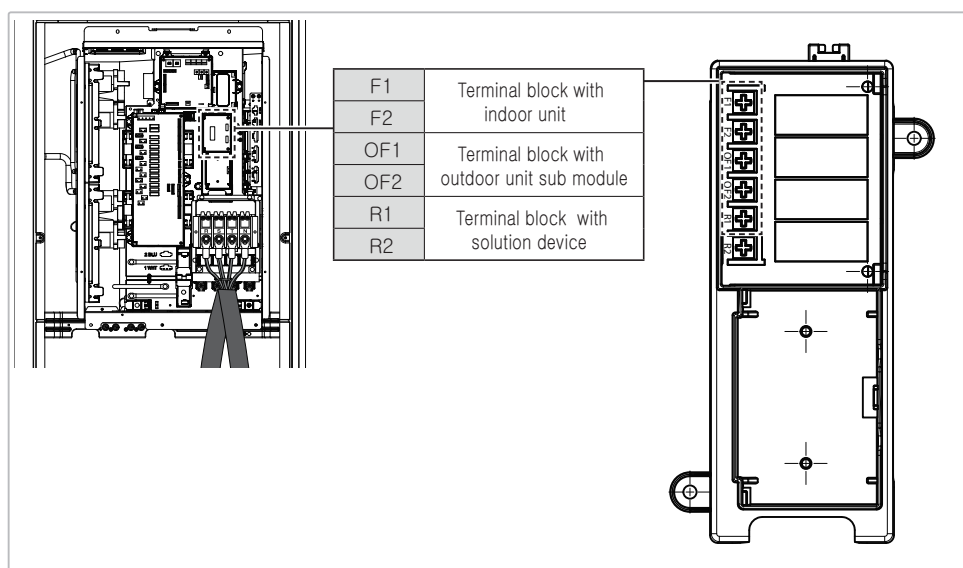
(1) Supplying 3 phase 4 wires (380–415 V~)

- ▶ Connect a power cable of the outdoor unit after checking that R-S-T-N (3 phase 4 wire) is properly connected. (If the 380–415 V power is supplied to the N phase, PCB and other electrical part will be damaged.)
- ▶ Communication cable between indoor and outdoor units and communication cable between outdoor units has no polarity.
- ▶ Arrange the cables with a cable tie.
- ※ ELCB and ELB must be installed since there is risk of electric shock or fire when they are not installed.



3) Installing the Solution device

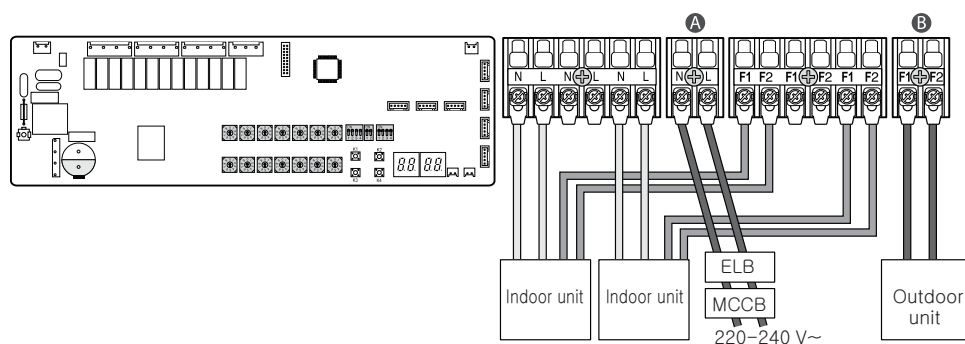
- ▶ When the number of indoor units installed with the outdoor unit is 16 or less



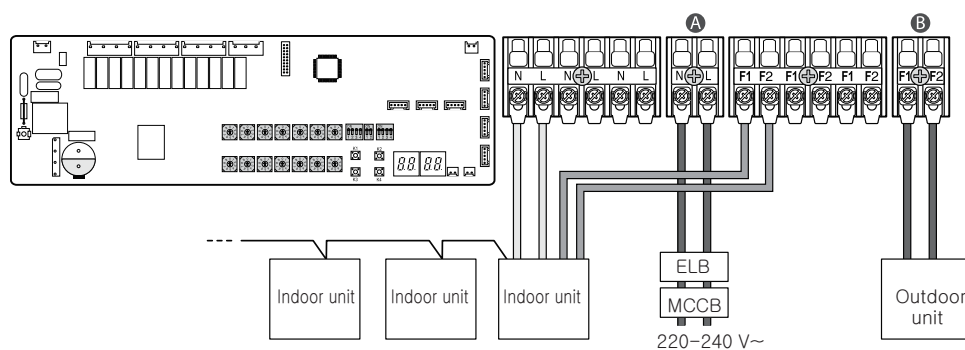
9 Installation

4) Connecting the MCU

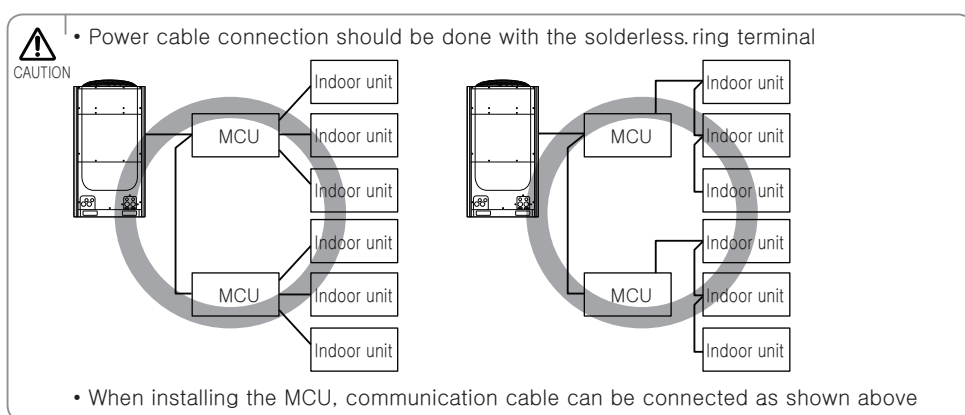
(1) Example 1



(2) Example 2



- ▶ **A** Power must be supplied to the MCU separately from the outdoor unit.
- ▶ **B** Connect the communication cable of the outdoor unit (F1, F2) to the communication cable of the MCU (F1, F2)



9 Installation

5) Grounding work

(1) Grounding the power cable

- ▶ The standard of grounding may vary according to the rated voltage and installation place of the air conditioner.
- ▶ Ground the power cable according to the following table.

Installation place	Power condition	
	Voltage to ground is lower than 150V	Voltage to ground is over 150V
High humidity	Must perform the grounding work 3. ^{Note 1)} (Including the case where earth leakage breaker is installed)	
Average humidity	Perform grounding work 3. ^{Note 1)}	Must perform the grounding work 3. ^{Note 1)} (Including the case where earth leakage breaker is installed)
Low humidity	Perform grounding work 3, if possible, for your safety. ^{Note 2)}	

Note 1) About grounding work 3.

- Grounding work must be done by an expert (with qualification).
- Check if the grounding resistance is lower than 100Ω. When installing a earth leakage breaker (that can cut the electric circuit within 0.5 second in case of a short circuit), allowable grounding resistance should be 30~500Ω.

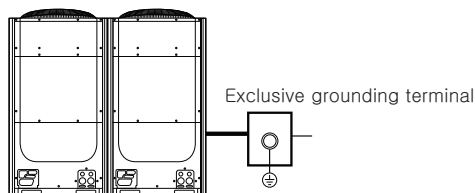
Note 2) Grounding at dry place

- The grounding resistance should be lower than 100Ω. Even in worst case, grounding resistance should be lower than 250Ω.

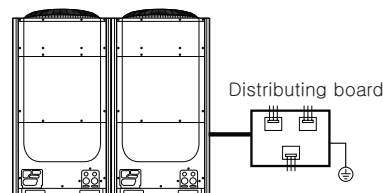
(2) Performing the grounding work

- ▶ Use a rated grounding cable by referring to the specification of the electric cable for the outdoor unit.

※When using the exclusive grounding terminal
(When the grounding terminal is already built on the house)



※When using grounding of the switch board



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