SAMSUNG

VRF Technical Data Book

DVM S Eco for Europe (R410A, 50Hz, HR)

Model : AM***NXMD*R/EU

History

Version	Modification	Date	Remark
Ver.1.0	Released DVM S Eco HR TDB for Europe	‘18. 01. 05	
Ver.1.1	Revised error of operation range page	‘18. 06. 20	

Nomenclature

Outdoor Unit

Model Name

AM	040	N	X	M	D	G	R	/	EU
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)		Buyer

(1) Classification

AM	DVM

(2) Capacity

x 1/10 HP (3 digits)

(3) Version

F	2013
H	2014
J	2015
K	2016
M	2017

(4) Product Type

X	Outdoor Unit
N	Indoor Unit

(5) Product Notation

M	DVM S Eco

(6) Feature

A	Standard + General Temp.+ MODULE
H	High EER + Low Temp + Module
D	STANDARD+GENERAL Temp. + NON MODULE

(7) Rating Voltage

E	1Ø, 220~240V, 50Hz
G	3Ø, 380~415V, 50Hz
H	3Ø, 380V, 60Hz

(8) Mode

H	Heat Pump
R	Heat Recovery

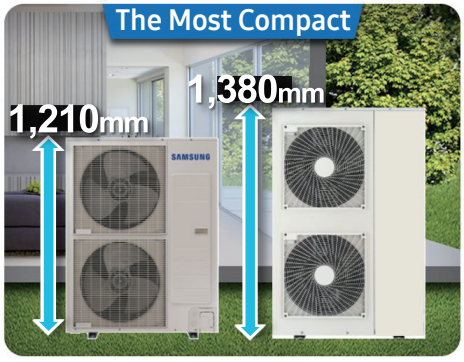
Features & Benefits

Simultaneous cooling & heating

- Individual temperature control for residential & Small hotel

The Most Compact & Easy Installation

- Convenient installation and service thanks to 4 way direction installation
  - Flexible installation with Front, Side, Bottom and Back Piping



* 6HP

High Efficiency

- Top tier Energy Efficiency among the side discharge VRF

DVM S Eco HR	4HP	5HP	6HP
EER	4.5	4.11	3.75
COP	4.8	4.7	4.45

Contents

1. Line up

Outdoor units

Capacity (HP)		4	5	6
Shape				
Model	1phase	AM040NXMDER/EU	AM050NXMDER/EU	AM060NXMDER/EU
	3phase	AM040NXMDGR/EU	AM050NXMDGR/EU	AM060NXMDGR/EU

2. Specification

Outdoor unit

Type				DVM S Eco HR	DVM S Eco HR	DVM S Eco HR
Model Name				AM040NXMDER/EU	AM050NXMDER/EU	AM060NXMDER/EU
Power Supply			Φ, #, V, Hz	1,2, 220-240, 50	1,2, 220-240, 50	1,2, 220-240, 50
Mode			-	HEAT RECOVERY	HEAT RECOVERY	HEAT RECOVERY
Performance	HP		HP	4	5	6
	Capacity	Cooling	kW	12.1	14.0	15.5
			Btu/h	41,300	47,800	52,900
		Heating	kW	12.1	14.0	15.5
			Btu/h	41,300	47,800	52,900
		Heating(Max)	kW	14.2	16.0	18.0
			Btu/h	48,500	54,600	61,400
Maximum number of connectable indoor units			EA	8	9	10
	Total capacity of the connected Indoor Units	Min.	kW	6.0	7.0	7.8
		Max.	kW	15.7	18.2	20.2
Power	Power Input	Cooling	kW	2.69	3.41	4.13
		Heating		2.52	2.98	3.48
		Heating(Max)		3.16	3.6	4.34
	Current Input	Cooling	A	12.3	15.6	18.9
		Heating		11.5	13.6	15.9
		Heating(Max)		14.5	16.5	19.9
	Current	Minimum Ssc	MVA	-	-	-
		MCA	A	22.0	24.0	30.0
		MFA	A	25.0	32.0	40.0
Efficiency	EER	Cooling	W/W	4.50	4.11	3.75
	COP	Heating	W/W	4.80	4.70	4.45
		Heating(Max)	W/W	4.49	4.44	4.15
	ESEER		W/W	10.5	10.1	9.5
Casing	Material	Body	-	EGI steel plate	EGI steel plate	EGI steel plate
		Base	-	GI steel plate	GI steel plate	GI steel plate
Heat exchanger	Type		-	Fin & Tube	Fin & Tube	Fin & Tube
	Material	Fin	-	Al	Al	Al
		Tube	-	Cu	Cu	Cu
	Fin Treatment		-	Anti-corrosion	Anti-corrosion	Anti-corrosion
Compressor	Type		-	Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary
	Output		kW × n	4.04	4.04	4.04
	Model Name		-	UG5TK5450FJX x 1	UG5TK5450FJX x 1	UG5TK5450FJX x 1
	Oil	Type	-	PVE	PVE	PVE
		Initial Charge	cc	1,700	1,700	1,700
Fan	Type		-	Propeller	Propeller	Propeller
	Discharge direction		-	Horizontal	Horizontal	Horizontal
	Quantity		EA	2	2	2
	Air Flow Rate		m^3/min	100	100	100
			l/s	1667	1667	1667
	External Static Pressure	Max.	mmAq	3	3	3
			Pa	29.4	29.4	29.4
Fan Motor	Model		-	BLDC Motor	BLDC Motor	BLDC Motor
	Output x n		W x n	125 x 2	125 x 2	125 x 2

2. Specification

Outdoor unit

Type				DVM S Eco HR	DVM S Eco HR	DVM S Eco HR
Model Name				AM040NXMDER/EU	AM050NXMDER/EU	AM060NXMDER/EU
Piping Connections	Liquid Pipe		Type	Braze connection	Braze connection	Braze connection
			Φ, mm² (inch)	9.52(3/8")	9.52(3/8")	9.52(3/8")
	Gas Pipe		Type	Braze connection	Braze connection	Braze connection
			Φ, mm² (inch)	15.88(5/8")	15.88(5/8")	19.05(3/4")
	High pressure Gas Pipe (HR Only)		Type	Braze connection	Braze connection	Braze connection
			Φ, mm² (inch)	15.88(5/8")	15.88(5/8")	15.88(5/8")
	Heat insulation		-	liquid and gas and high pressure gas pipes	liquid and gas and high pressure gas pipes	liquid and gas and high pressure gas pipes
	Piping length (ODU-IDU)	Max. [Equiv.]	m	150(175)	150(175)	150(175)
	Piping length (1st Branch-IDU)	Max.	m	40	40	40
	Total piping length (System)	Max.	m	300	300	300
	Level difference (ODU in highest position)	Max.	m	50	50	50
	Level difference (IDU in highest position)	Max.	m	40	40	40
	Level difference (IDU-IDU)	Max.	m	50	50	50
Wiring connections	Communication	Min.	mm²	0.75	0.75	0.75
		Remark	-	F1,F2	F1,F2	F1,F2
Refrigerant	Type		-	R410A	R410A	R410A
	Factory Charging		kg	3.2	3.2	3.3
			tCO2e	6.68	6.68	6.89
Sound	Sound Pressure	Cooling	dB(A)	50	50	51
		Heating		52	52	53
	Sound Power			67	68	70
External Dimension	Net Weight		kg	97	97	100
	Shipping Weight		kg	107	107	110
	Net Dimensions (WxHxD)		mm	940 x 1,210 x 330	940 x 1,210 x 330	940 x 1,210 x 330
	Shipping Dimensions (WxHxD)		mm	995 x 1,388 x 426	995 x 1,388 x 426	995 x 1,388 x 426
Operating Temp. Range	Cooling		℃	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0
	Heating		℃	-25.0 ~ 26.0	-25.0 ~ 26.0	-25.0 ~ 26.0

NOTE

- Specifications may be subject to change without prior notice.
  1) Capacities are based on (Equivalent refrigerant piping 7.5m, Level differences 0m);
     - Cooling : Indoor temperature 27°C DB, 19°C WB / Outdoor temperature 35°C DB, 24°C WB
     - Heating : Indoor temperature 20°C DB, 15°C WB / Outdoor temperature 7°C DB, 6°C WB
  2) Select wire size based on the value of MCA
  3) Sound pressure level is obtained in an anechoic room.
     - Sound pressure level is a relative value, depending on the distance and acoustic environment.
     - Sound pressure level may differ depending on operation condition.
     - dBA = A-weighted sound pressure level
     - Reference acoustic pressure 0 dB = 20uPa
  4) Sound power level is an absolute value that a sound source generates.
     - dBA = A-weighted sound power level
     - Reference power : 1pW
     - Measured according to ISO 3741
  5) These products contain R410A (GWP=2,088) which is fluorinated greenhouse gas.

2. Specification

Outdoor unit

Type				DVM S Eco HR	DVM S Eco HR	DVM S Eco HR
Model Name				AM040NXMDGR/EU	AM050NXMDGR/EU	AM060NXMDGR/EU
Power Supply			Φ, #, V, Hz	3,4, 380~415, 50	3,4, 380~415, 50	3,4, 380~415, 50
Mode			-	HEAT RECOVERY	HEAT RECOVERY	HEAT RECOVERY
Performance	HP		HP	4	5	6
	Capacity	Cooling	kW	12.1	14.0	15.5
			Btu/h	41,300	47,800	52,900
		Heating	kW	12.1	14.0	15.5
			Btu/h	41,300	47,800	52,900
		Heating(Max)	kW	14.2	16.0	18.0
			Btu/h	48,500	54,600	61,400
Maximum number of connectable indoor units			EA	8	9	10
	Total capacity of the connected Indoor Units	Min.	kW	6.0	7.0	7.8
		Max.	kW	15.7	18.2	20.2
Power	Power Input	Cooling	kW	2.69	3.41	4.13
		Heating		2.52	2.98	3.48
		Heating(Max)		3.16	3.6	4.34
	Current Input	Cooling	A	4.1	5.2	6.3
		Heating		3.8	4.5	5.3
		Heating(Max)		4.8	5.5	6.6
	Current	Minimum Ssc	MVA	3.9	3.9	3.9
		MCA	A	16.1	16.1	16.1
		MFA	A	20.0	20.0	20.0
Efficiency	EER	Cooling	W/W	4.50	4.11	3.75
	COP	Heating	W/W	4.80	4.70	4.45
		Heating(Max)	W/W	4.49	4.44	4.15
	ESEER		W/W	10.5	10.1	9.5
Casing	Material	Body	-	EGI steel plate	EGI steel plate	EGI steel plate
		Base	-	GI steel plate	GI steel plate	GI steel plate
Heat exchanger	Type		-	Fin & Tube	Fin & Tube	Fin & Tube
	Material	Fin	-	Al	Al	Al
		Tube	-	Cu	Cu	Cu
	Fin Treatment		-	Anti-corrosion	Anti-corrosion	Anti-corrosion
Compressor	Type		-	Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary
	Output		kW × n	4.04	4.04	4.04
	Model Name		-	UG5TK5450FJX x 1	UG5TK5450FJX x 1	UG5TK5450FJX x 1
	Oil	Type	-	PVE	PVE	PVE
		Initial Charge	cc	1,700	1,700	1,700
Fan	Type		-	Propeller	Propeller	Propeller
	Discharge direction		-	Horizontal	Horizontal	Horizontal
	Quantity		EA	2	2	2
	Air Flow Rate		m^3/min	100	100	100
			l/s	1,666.70	1,666.70	1,666.70
	External Static Pressure	Max.	mmAq	3	3	3
			Pa	29.4	29.4	29.4
Fan Motor	Model		-	BLDC Motor	BLDC Motor	BLDC Motor
	Output x n		W x n	125 x 2	125 x 2	125 x 2

2. Specification

Outdoor unit

Type				DVM S Eco HR	DVM S Eco HR	DVM S Eco HR
Model Name				AM040NXMDGR/EU	AM050NXMDGR/EU	AM060NXMDGR/EU
Piping Connections	Liquid Pipe		Type	Braze connection	Braze connection	Braze connection
			Φ, mm² (inch)	9.52(3/8")	9.52(3/8")	9.52(3/8")
	Gas Pipe		Type	Braze connection	Braze connection	Braze connection
			Φ, mm² (inch)	15.88(5/8")	15.88(5/8")	19.05(3/4")
	High pressure Gas Pipe (HR Only)		Type	Braze connection	Braze connection	Braze connection
			Φ, mm² (inch)	15.88(5/8")	15.88(5/8")	15.88(5/8")
	Heat insulation		-	liquid and gas and high pressure gas pipes	liquid and gas and high pressure gas pipes	liquid and gas and high pressure gas pipes
	Piping length (ODU-IDU)	Max. [Equiv.]	m	150(175)	150(175)	150(175)
	Piping length (1st Branch-IDU)	Max.	m	40	40	40
	Total piping length (System)	Max.	m	300	300	300
	Level difference (ODU in highest position)	Max.	m	50	50	50
	Level difference (IDU in highest position)	Max.	m	40	40	40
	Level difference (IDU-IDU)	Max.	m	50	50	50
Wiring connections	Communication	Min.	mm²	0.75	0.75	0.75
		Remark	-	F1,F2	F1,F2	F1,F2
Refrigerant	Type		-	R410A	R410A	R410A
	Factory Charging		kg	3.2	3.2	3.3
			tCO2e	6.68	6.68	6.89
Sound	Sound Pressure	Cooling	dB(A)	50	50	51
		Heating		52	52	53
	Sound Power			67	68	70
External Dimension	Net Weight		kg	95	95	98
	Shipping Weight		kg	105	105	108
	Net Dimensions (WxHxD)		mm	940 x 1,210 x 330	940 x 1,210 x 330	940 x 1,210 x 330
	Shipping Dimensions (WxHxD)		mm	995 x 1,388 x 426	995 x 1,388 x 426	995 x 1,388 x 426
Operating Temp. Range	Cooling		℃	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0
	Heating		℃	-25.0 ~ 26.0	-25.0 ~ 26.0	-25.0 ~ 26.0

NOTE

- Specifications may be subject to change without prior notice.
  1) Capacities are based on (Equivalent refrigerant piping 7.5m, Level differences 0m);
     - Cooling : Indoor temperature 27°C DB, 19°C WB / Outdoor temperature 35°C DB, 24°C WB
     - Heating : Indoor temperature 20°C DB, 15°C WB / Outdoor temperature 7°C DB, 6°C WB
  2) Select wire size based on the value of MCA
  3) Sound pressure level is obtained in an anechoic room.
     - Sound pressure level is a relative value, depending on the distance and acoustic environment.
     - Sound pressure level may differ depending on operation condition.
     - dBA = A-weighted sound pressure level
     - Reference acoustic pressure 0 dB = 20uPa
  4) Sound power level is an absolute value that a sound source generates.
     - dBA = A-weighted sound power level
     - Reference power : 1pW
     - Measured according to ISO 3741
  5) These products contain R410A (GWP=2,088) which is fluorinated greenhouse gas.

3. Electrical Characteristics

Capacity		Model	Power Supply				Voltage Range		Running Current [A]		Current [A]		ODU Fan Motor
HP	KW		Φ	#	Hz	Voltage	Min. (-10%)	Max. (+10%)	Cooling	Heating	MCA	MFA	kW
4	12.1	AM040NXMDER/EU	1	2	50	220~240	198	264	12.3	11.5	22.0	25.0	0.25
4	12.1	AM040NXMDGR/EU	3	4	50	380~415	342	456	4.1	3.8	16.1	20.0	0.25
5	14	AM050NXMDER/EU	1	2	50	220~240	198	264	15.6	13.6	24.0	32.0	0.25
5	14	AM050NXMDGR/EU	3	4	50	380~415	342	456	5.2	4.5	16.1	20.0	0.25
6	15.5	AM060NXMDER/EU	1	2	50	220~240	198	264	18.9	15.9	30.0	40.0	0.25
6	15.5	AM060NXMDGR/EU	3	4	50	380~415	342	456	6.3	5.3	16.1	20.0	0.25

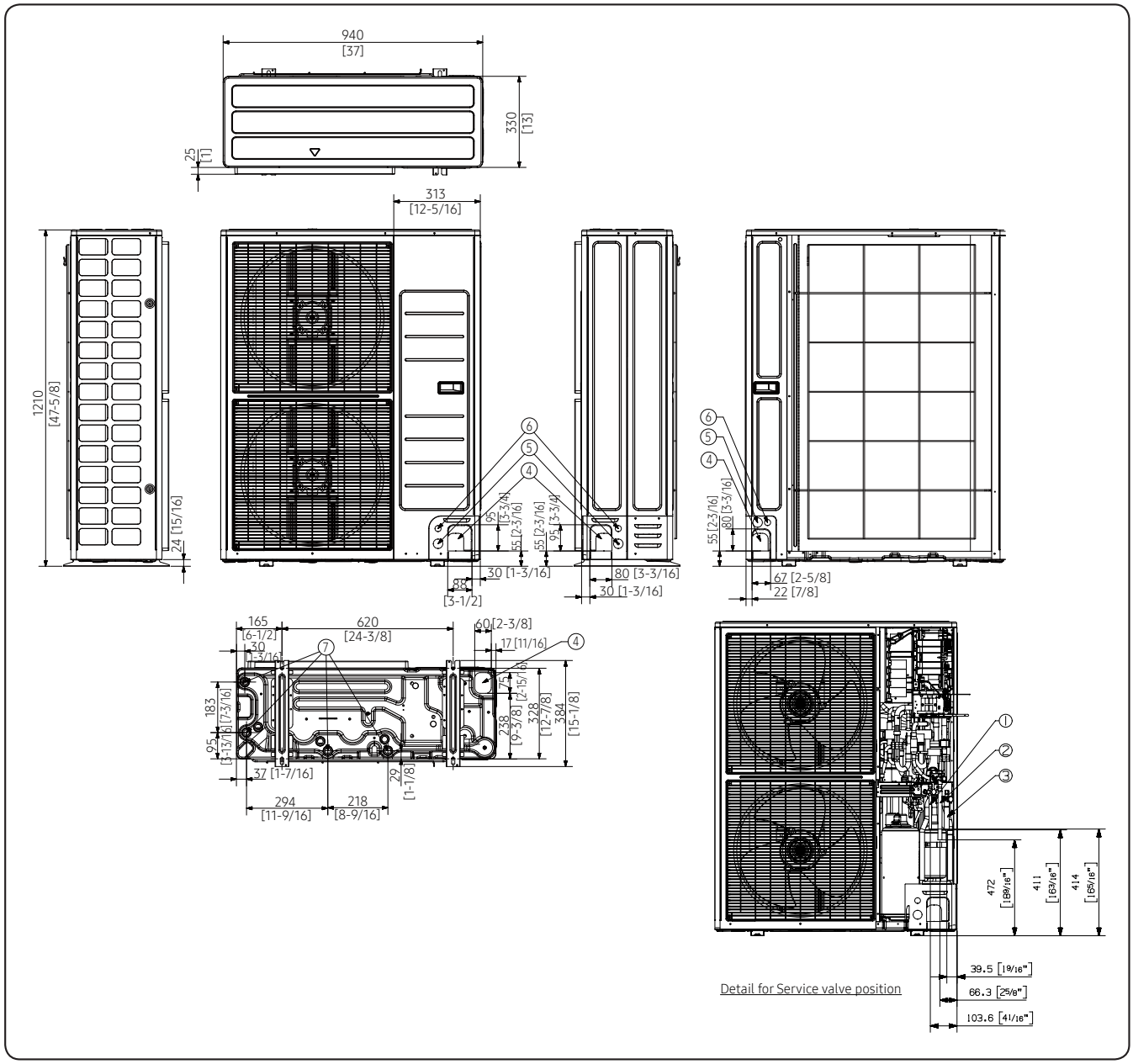
NOTE

- MCA : Minimum circuit amperes
- MFA : Maximum fuse amperes
- Select wire size based on the value of MCA

4. Dimensional Drawing

AM040NXMD*R/EU, AM050NXMD*R/EU, AM060NXMD*R/EU

Units : mm [inches]

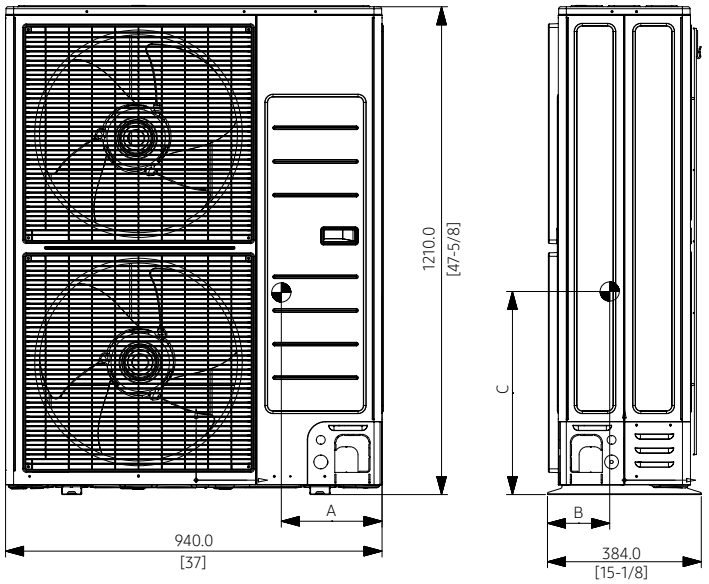


NO	Name	Description	
		4 / 5 HP	6 HP
1	Refrigerant liquid pipe	Φ9.52 (Φ3/8)	
2	Refrigerant gas pipe	Φ15.88 (Φ5/8)	Φ19.05 (Φ3/4)
3	Knockout hole for pipe intake	Front / Side / Rear / Bottom	
4	Power wiring conduits	Front / Side / Rear, Φ34 (Φ1-3/8)	
5	Communication wiring conduits	Front / Side / Rear, Φ22 (Φ7/8)	
6	Drain holes	Connect with the provided drain plug.	

5. Center of Gravity

AM040NXMD*R/EU, AM050NXMD*R/EU, AM060NXMD*R/EU

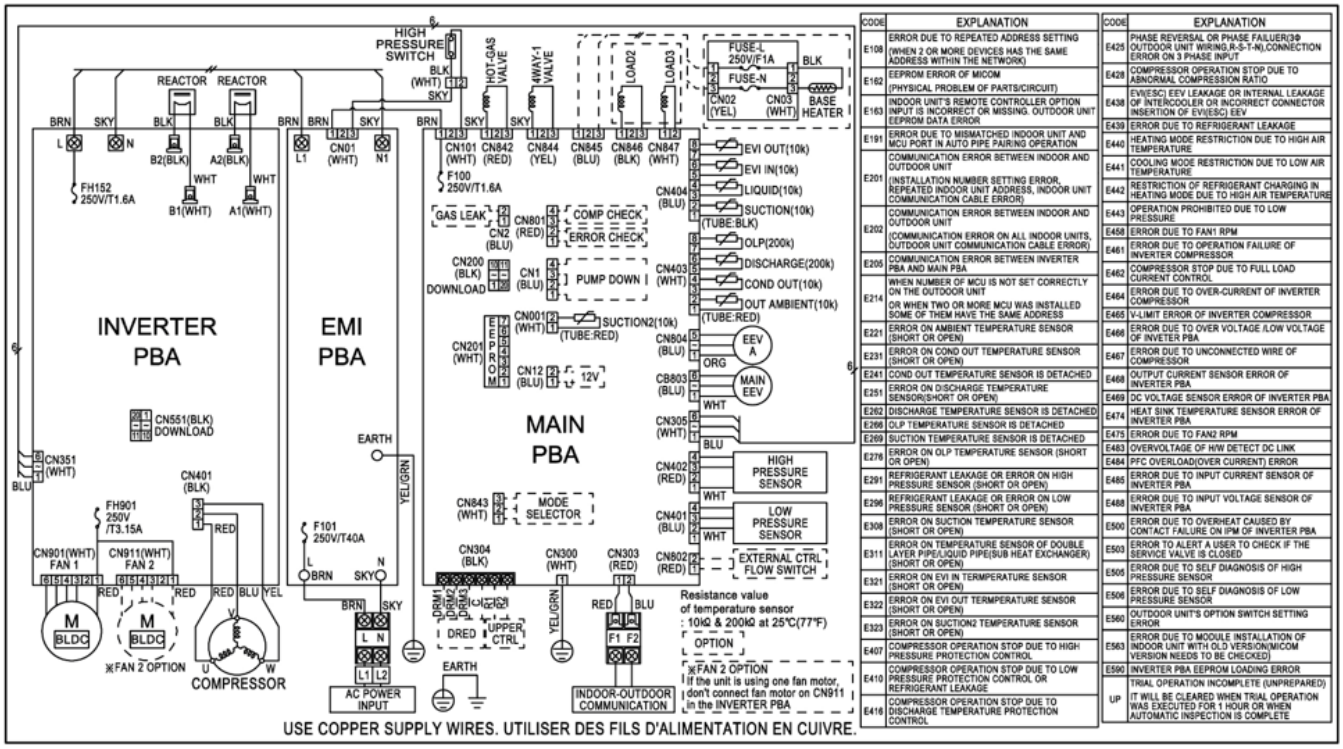
Units : mm [inches]



Model	A	B	C
AM040NXMD*R/EU	372 [14-5/8]	165 [6-1/2]	557 [21-15/16]
AM050NXMD*R/EU	372 [14-5/8]	165 [6-1/2]	557 [21-15/16]
AM060NXMD*R/EU	375 [14-3/4]	172 [6-3/4]	557 [21-15/16]

6. Electrical Wiring Diagram

AM***NXMDER/EU



CODE	EXPLANATION
E108	ERROR DUE TO REPEATED ADDRESS SETTING (WHEN 2 OR MORE DEVICES HAS THE SAME ADDRESS WITHIN THE NETWORK)
E162	EEPROM ERROR OF MICOM (PHYSICAL PROBLEM OF PARTS/CIRCUIT)
E163	INDOOR UNIT'S REMOTE CONTROLLER OPTION INPUT IS INCORRECT OR MISSING. OUTDOOR UNIT EEPROM DATA ERROR
E191	ERROR DUE TO MISMATCHED INDOOR UNIT AND MCU PORT IN AUTO PIPE PAIRING OPERATION
E201	COMMUNICATION ERROR BETWEEN INDOOR AND OUTDOOR UNIT (INSTALLATION NUMBER SETTING ERROR, REPEATED INDOOR UNIT ADDRESS, INDOOR UNIT COMMUNICATION CABLE ERROR)
E202	COMMUNICATION ERROR BETWEEN INDOOR AND OUTDOOR UNIT (COMMUNICATION ERROR ON ALL INDOOR UNITS, OUTDOOR UNIT COMMUNICATION CABLE ERROR)
E205	COMMUNICATION ERROR BETWEEN INVERTER PBA AND MAIN PBA
E214	WHEN NUMBER OF MCU IS NOT SET CORRECTLY ON THE OUTDOOR UNIT OR WHEN TWO OR MORE MCU WAS INSTALLED SOME OF THEM HAVE THE SAME ADDRESS
E221	ERROR ON AMBIENT TEMPERATURE SENSOR (SHORT OR OPEN)
E231	ERROR ON COND OUT TEMPERATURE SENSOR (SHORT OR OPEN)
E241	COND OUT TEMPERATURE SENSOR IS DETACHED
E251	ERROR ON DISCHARGE TEMPERATURE SENSOR(SHORT OR OPEN)
E262	DISCHARGE TEMPERATURE SENSOR IS DETACHED
E266	OLP TEMPERATURE SENSOR IS DETACHED
E269	SUCTION TEMPERATURE SENSOR IS DETACHED
E276	ERROR ON OLP TEMPERATURE SENSOR (SHORT OR OPEN)
E291	REFRIGERANT LEAKAGE OR ERROR ON HIGH PRESSURE SENSOR (SHORT OR OPEN)
E296	REFRIGERANT LEAKAGE OR ERROR ON LOW PRESSURE SENSOR (SHORT OR OPEN)
E308	ERROR ON SUCTION TEMPERATURE SENSOR (SHORT OR OPEN)
E311	ERROR ON TEMPERATURE SENSOR OF DOUBLE LAYER PIPE/LIQUID PIPE(SUB HEAT EXCHANGER) (SHORT OR OPEN)
E321	ERROR ON EVI IN TERMPERATURE SENSOR (SHORT OR OPEN)
E322	ERROR ON EVI OUT TERMPERATURE SENSOR (SHORT OR OPEN)
E323	ERROR ON SUCTION2 TEMPERATURE SENSOR (SHORT OR OPEN)
E407	COMPRESSOR OPERATION STOP DUE TO HIGH PRESSURE PROTECTION CONTROL
E410	COMPRESSOR OPERATION STOP DUE TO LOW PRESSURE PROTECTION CONTROL OR REFRIGERANT LEAKAGE
E416	COMPRESSOR OPERATION STOP DUE TO DISCHARGE TEMPERATURE PROTECTION CONTROL

CODE	EXPLANATION
E425	PHASE REVERSAL OR PHASE FAILUER(3Φ OUTDOOR UNIT WIRING,R-S-T-N),CONNECTION ERROR ON 3 PHASE INPUT
E428	COMPRESSOR OPERATION STOP DUE TO ABNORMAL COMPRESSION RATIO
E438	EVI(ESC) EEV LEAKAGE OR INTERNAL LEAKAGE OF INTERCOOLER OR INCORRECT CONNECTOR INSERTION OF EVI(ESC) EEV
E439	ERROR DUE TO REFRIGERANT LEAKAGE
E440	HEATING MODE RESTRICTION DUE TO HIGH AIR TEMPERATURE
E441	COOLING MODE RESTRICTION DUE TO LOW AIR TEMPERATURE
E442	RESTRICTION OF REFRIGERANT CHARGING IN HEATING MODE DUE TO HIGH AIR TEMPERATURE
E443	OPERATION PROHIBITED DUE TO LOW PRESSURE
E458	ERROR DUE TO FAN1 RPM
E461	ERROR DUE TO OPERATION FAILURE OF INVERTER COMPRESSOR
E462	COMPRESSOR STOP DUE TO FULL LOAD CURRENT CONTROL
E464	ERROR DUE TO OVER-CURRENT OF INVERTER COMPRESSOR
E465	V-LIMIT ERROR OF INVERTER COMPRESSOR
E466	ERROR DUE TO OVER VOLTAGE /LOW VOLTAGE OF INVETER PBA
E467	ERROR DUE TO UNCONNECTED WIRE OF COMPRESSOR
E468	OUTPUT CURRENT SENSOR ERROR OF INVERTER PBA
E469	DC VOLTAGE SENSOR ERROR OF INVERTER PBA
E474	HEAT SINK TEMPERATURE SENSOR ERROR OF INVERTER PBA
E475	ERROR DUE TO FAN2 RPM
E483	OVERVOLTAGE OF H/W DETECT DC LINK
E484	PFC OVERLOAD(OVER CURRENT) ERROR
E485	ERROR DUE TO INPUT CURRENT SENSOR OF INVERTER PBA
E488	ERROR DUE TO INPUT VOLTAGE SENSOR OF INVERTER PBA
E500	ERROR DUE TO OVERHEAT CAUSED BY CONTACT FAILURE ON IPM OF INVERTER PBA
E503	ERROR TO ALERT A USER TO CHECK IF THE SERVICE VALVE IS CLOSED
E505	ERROR DUE TO SELF DIAGNOSIS OF HIGH PRESSURE SENSOR
E506	ERROR DUE TO SELF DIAGNOSIS OF LOW PRESSURE SENSOR
E560	OUTDOOR UNIT'S OPTION SWITCH SETTING ERROR
E563	ERROR DUE TO MODULE INSTALLATION OF INDOOR UNIT WITH OLD VERSION(MICOM VERSION NEEDS TO BE CHECKED)
E590	INVERTER PBA EEPROM LOADING ERROR
UP	TRIAL OPERATION INCOMPLETE (UNPREPARED) IT WILL BE CLEARED WHEN TRIAL OPERATION WAS EXECUTED FOR 1 HOUR OR WHEN AUTOMATIC INSPECTION IS COMPLETE

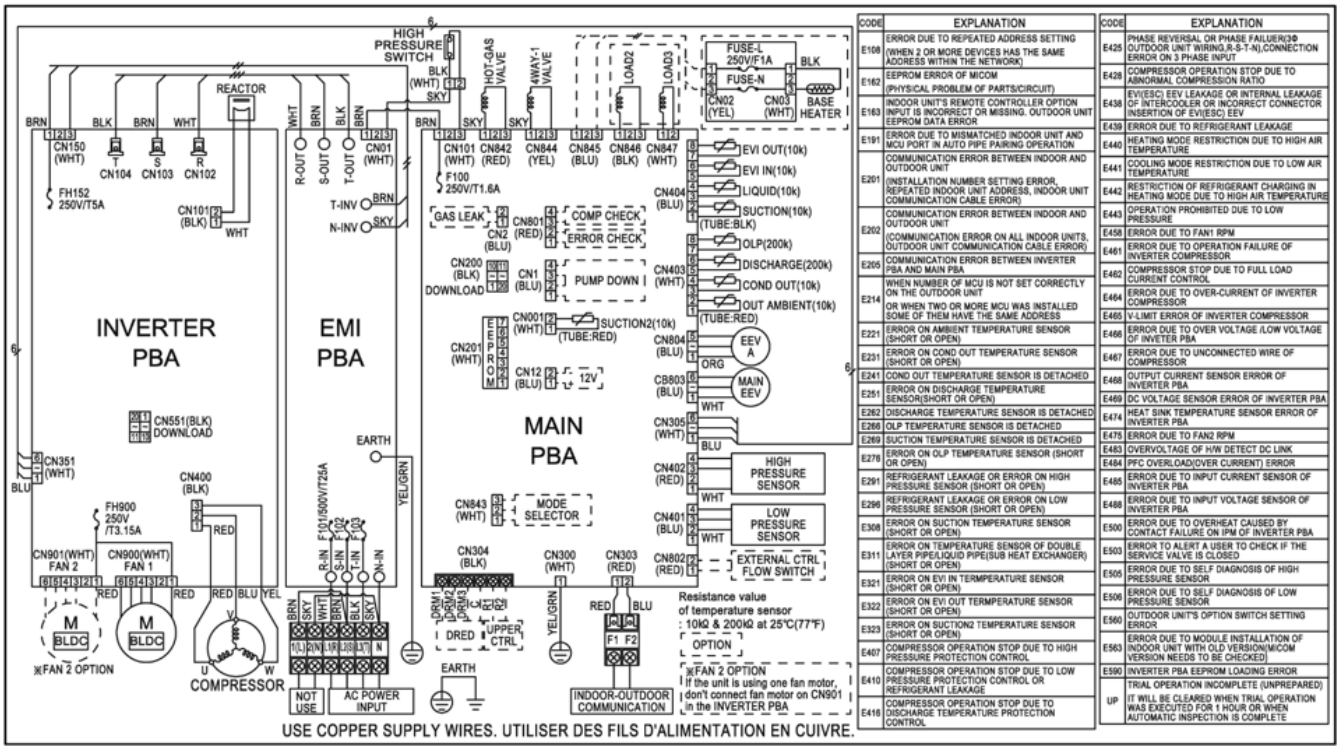
INV PBA1	Printed circuit board(inverter)	MAIN EEV	electronic expansion valve	LIQUID(10K)	Thermistor LIQUID(10K)
EMI PBA	Printed circuit board(emi)	EEV A	electronic expansion valve	OLP(200K)	Thermistor (OLP.)
MAIN PBA	Printed circuit board(main)	EVI-OUT(10K)	Thermistor (Enhanced Vapor Injection_out)	ERROR/COMP EXT	Connector (Output ERROR/COMP EXT CON)
HOTGAS1 V/V	Solenoid valve(HOTGAS1)	EVI-IN(10K)	Thermistor (Enhanced Vapor Injection_in)	HIGE PRESSURE	PRESSURE SENSOR
4WAY V/V	Solenoid valve(4WAY)	SUCTTION1(10K)	Thermistor (SUCTTION1)	LOW PRESSURE	PRESSURE SENSOR
COMP	Motor (compressor)	OUT(10K)	Thermistor (Air)	F1/F2	OUT TO INDOOR COMMUNICATION
M BLDC	BLDC Motor (fan1)	COND(10K)	Thermistor (COND.)		
M BLDC	BLDC Motor (fan2)	DIS1(200K)	Thermistor DIS1(200K)		
250V/T40A	FUSE(EMI PBA)	SUCTTION2(10K)	Thermistor (SUCTTION2)		

NOTE

- This wiring diagram applies only to the outdoor unit.
- Colors BLK: black, RED: red, BLU: blue, WHT: white, YEL: yellow, BRN: brown, SKY: skyblue
- When operaiting, don't shortcircuit the protection device (High Pressure switch)
- For connection wiring indoor-outdoor transmission F1-F2.
- ⏚ Protective earth(SCREW), ▭▭▭ : connector, N/ : The quantity

6. Electrical Wiring Diagram

AM***NXMDGR/EU



CODE	EXPLANATION
E108	ERROR DUE TO REPEATED ADDRESS SETTING (WHEN 2 OR MORE DEVICES HAS THE SAME ADDRESS WITHIN THE NETWORK)
E162	EEPROM ERROR OF MICOM (PHYSICAL PROBLEM OF PARTS/CIRCUIT)
E163	INDOOR UNIT'S REMOTE CONTROLLER OPTION INPUT IS INCORRECT OR MISSING. OUTDOOR UNIT EEPROM DATA ERROR
E191	ERROR DUE TO MISMATCHED INDOOR UNIT AND MCU PORT IN AUTO PIPE PAIRING OPERATION
E201	COMMUNICATION ERROR BETWEEN INDOOR AND OUTDOOR UNIT (INSTALLATION NUMBER SETTING ERROR, REPEATED INDOOR UNIT ADDRESS, INDOOR UNIT COMMUNICATION CABLE ERROR)
E202	COMMUNICATION ERROR BETWEEN INDOOR AND OUTDOOR UNIT (COMMUNICATION ERROR ON ALL INDOOR UNITS, OUTDOOR UNIT COMMUNICATION CABLE ERROR)
E205	COMMUNICATION ERROR BETWEEN INVERTER PBA AND MAIN PBA
E214	WHEN NUMBER OF MCU IS NOT SET CORRECTLY ON THE OUTDOOR UNIT OR WHEN TWO OR MORE MCU WAS INSTALLED SOME OF THEM HAVE THE SAME ADDRESS
E221	ERROR ON AMBIENT TEMPERATURE SENSOR (SHORT OR OPEN)
E231	ERROR ON COND OUT TEMPERATURE SENSOR (SHORT OR OPEN)
E241	COND OUT TEMPERATURE SENSOR IS DETACHED
E251	ERROR ON DISCHARGE TEMPERATURE SENSOR(SHORT OR OPEN)
E262	DISCHARGE TEMPERATURE SENSOR IS DETACHED
E266	OLP TEMPERATURE SENSOR IS DETACHED
E269	SUCTION TEMPERATURE SENSOR IS DETACHED
E276	ERROR ON OLP TEMPERATURE SENSOR (SHORT OR OPEN)
E291	REFRIGERANT LEAKAGE OR ERROR ON HIGH PRESSURE SENSOR (SHORT OR OPEN)
E296	REFRIGERANT LEAKAGE OR ERROR ON LOW PRESSURE SENSOR (SHORT OR OPEN)
E308	ERROR ON SUCTION TEMPERATURE SENSOR (SHORT OR OPEN)
E311	ERROR ON TEMPERATURE SENSOR OF DOUBLE LAYER PIPE(LIQUID PIPE(SUB HEAT EXCHANGER) (SHORT OR OPEN)
E321	ERROR ON EVI IN TERMPERATURE SENSOR (SHORT OR OPEN)
E322	ERROR ON EVI OUT TERMPERATURE SENSOR (SHORT OR OPEN)
E323	ERROR ON SUCTION2 TEMPERATURE SENSOR (SHORT OR OPEN)
E407	COMPRESSOR OPERATION STOP DUE TO HIGH PRESSURE PROTECTION CONTROL
E410	COMPRESSOR OPERATION STOP DUE TO LOW PRESSURE PROTECTION CONTROL OR REFRIGERANT LEAKAGE
E416	COMPRESSOR OPERATION STOP DUE TO DISCHARGE TEMPERATURE PROTECTION CONTROL

CODE	EXPLANATION
E425	PHASE REVERSAL OR PHASE FAILUER(3Φ OUTDOOR UNIT WIRING,R-S-T-N),CONNECTION ERROR ON 3 PHASE INPUT
E428	COMPRESSOR OPERATION STOP DUE TO ABNORMAL COMPRESSION RATIO
E438	EVI(ESC) EEV LEAKAGE OR INTERNAL LEAKAGE OF INTERCOOLER OR INCORRECT CONNECTOR INSERTION OF EVI(ESC) EEV
E439	ERROR DUE TO REFRIGERANT LEAKAGE
E440	HEATING MODE RESTRICTION DUE TO HIGH AIR TEMPERATURE
E441	COOLING MODE RESTRICTION DUE TO LOW AIR TEMPERATURE
E442	RESTRICTION OF REFRIGERANT CHARGING IN HEATING MODE DUE TO HIGH AIR TEMPERATURE
E443	OPERATION PROHIBITED DUE TO LOW PRESSURE
E458	ERROR DUE TO FAN1 RPM
E461	ERROR DUE TO OPERATION FAILURE OF INVERTER COMPRESSOR
E462	COMPRESSOR STOP DUE TO FULL LOAD CURRENT CONTROL
E464	ERROR DUE TO OVER-CURRENT OF INVERTER COMPRESSOR
E465	V-LIMIT ERROR OF INVERTER COMPRESSOR
E466	ERROR DUE TO OVER VOLTAGE /LOW VOLTAGE OF INVETER PBA
E467	ERROR DUE TO UNCONNECTED WIRE OF COMPRESSOR
E468	OUTPUT CURRENT SENSOR ERROR OF INVERTER PBA
E469	DC VOLTAGE SENSOR ERROR OF INVERTER PBA
E474	HEAT SINK TEMPERATURE SENSOR ERROR OF INVERTER PBA
E475	ERROR DUE TO FAN2 RPM
E483	OVERVOLTAGE OF H/W DETECT DC LINK
E484	PFC OVERLOAD(OVER CURRENT) ERROR
E485	ERROR DUE TO INPUT CURRENT SENSOR OF INVERTER PBA
E488	ERROR DUE TO INPUT VOLTAGE SENSOR OF INVERTER PBA
E500	ERROR DUE TO OVERHEAT CAUSED BY CONTACT FAILURE ON IPM OF INVERTER PBA
E503	ERROR TO ALERT A USER TO CHECK IF THE SERVICE VALVE IS CLOSED
E505	ERROR DUE TO SELF DIAGNOSIS OF HIGH PRESSURE SENSOR
E506	ERROR DUE TO SELF DIAGNOSIS OF LOW PRESSURE SENSOR
E560	OUTDOOR UNIT'S OPTION SWITCH SETTING ERROR
E563	ERROR DUE TO MODULE INSTALLATION OF INDOOR UNIT WITH OLD VERSION(MICOM VERSION NEEDS TO BE CHECKED)
E590	INVERTER PBA EEPROM LOADING ERROR
UP	TRIAL OPERATION INCOMPLETE (UNPREPARED) IT WILL BE CLEARED WHEN TRIAL OPERATION WAS EXECUTED FOR 1 HOUR OR WHEN AUTOMATIC INSPECTION IS COMPLETE

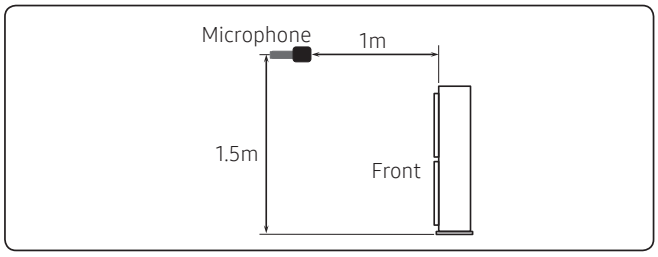
INV PBA1	Printed circuit board(inverter)	MAIN EEV	electronic expansion valve	LIQUID(10K)	Thermistor LIQUID(10K)
EMI PBA	Printed circuit board(emi)	EEV A	electronic expansion valve	OLP(200K)	Thermistor (OLP.)
MAIN PBA	Printed circuit board(main)	EVI-OUT(10K)	Thermistor (Enhanced Vapor Injection_out)	ERROR/COMP EXT	Connector (Output ERROR/COMP EXT CON)
HOTGAS1 V/V	Solenoid valve(HOTGAS1)	EVI-IN(10K)	Thermistor (Enhanced Vapor Injection_in)	HIGE PRESSURE	PRESSURE SENSOR
4WAY V/V	Solenoid valve(4WAY)	SUCTTION1(10K)	Thermistor (SUCTTION1)	LOW PRESSURE	PRESSURE SENSOR
COMP	Motor (compressor)	OUT(10K)	Thermistor (Air)	F1/F2	OUT TO INDOOR COMMUNICATION
M BLDC	BLDC Motor (fan1)	COND(10K)	Thermistor (COND.)		
M BLDC	BLDC Motor (fan2)	DIS1(200K)	Thermistor DIS1(200K)		
500V/T25A	FUSE(EMI PBA)	SUCTTION2(10K)	Thermistor (SUCTTION2)		

NOTE

- This wiring diagram applies only to the outdoor unit.
- Colors BLK: black, RED: red, BLU: blue, WHT: white, YEL: yellow, BRN: brown, SKY: skyblue
- When operaiting, don't shortcircuit the protection device (High Pressure switch)
- For connection wiring indoor-outdoor transmission F1-F2.
- ⏚ Protective earth(SCREW), ▭▭▭ : connector, N/ : The quantity

7. Sound Data

Sound Pressure level

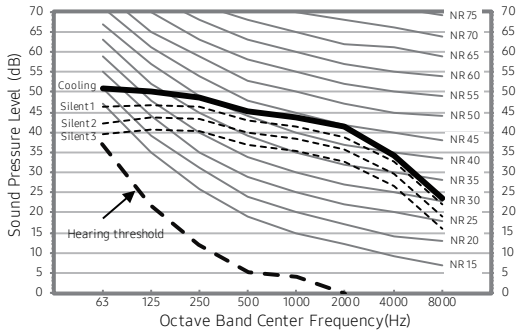


Unit: dB(A)

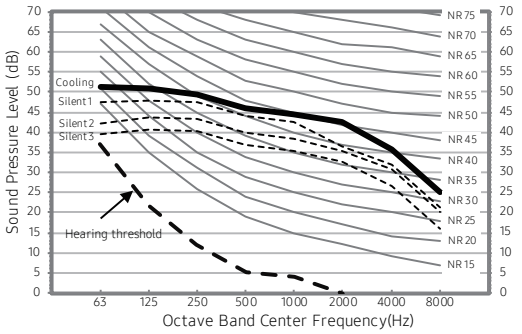
Model	Cooling	Silent1	Silent2	Silent3
AM040NXMD*R/EU	50	47	44	41
AM050NXMD*R/EU	50	48	45	42
AM060NXMD*R/EU	51	50	47	44

- NR Curve

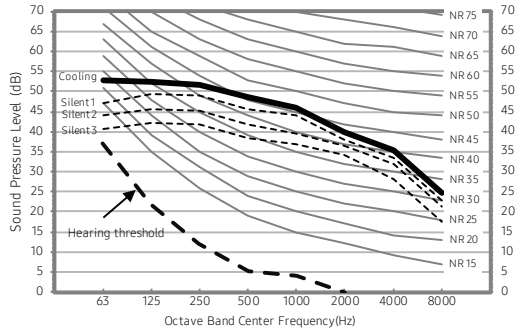
1) AM040NXMD*R/EU



2) AM050NXMD*R/EU



3) AM060NXMD*R/EU



NOTE

- Specifications may be subject to change without prior notice.
- Sound pressure Level
  - Sound pressure level is obtained in an anechoic room.
  - Sound pressure level is a relative value, depending on the distance and acoustic environment.
  - Sound pressure level may differ depending on operation condition.
  - dBA = A weighted sound pressure level
  - Reference acoustic pressure 0 dB = 20μPa
- Silent mode available by option setting.
  - In cooling mode can be choose depending outdoor temperature/external contact signal
  - In heating mode can be choose only external contact signal

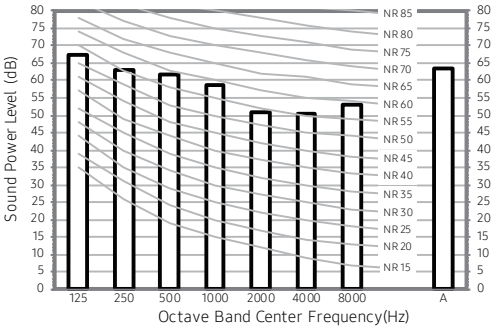
7. Sound Data

Sound Power level

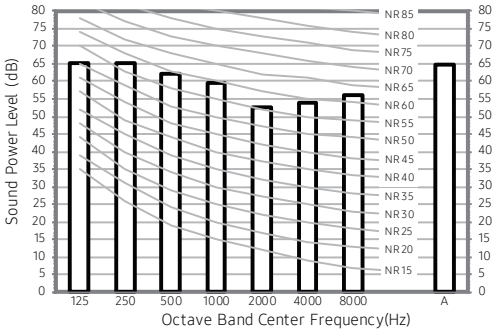
Unit: dB(A)

Model	Power
AM040NXMD*R/EU	67
AM050NXMD*R/EU	68
AM060NXMD*R/EU	70

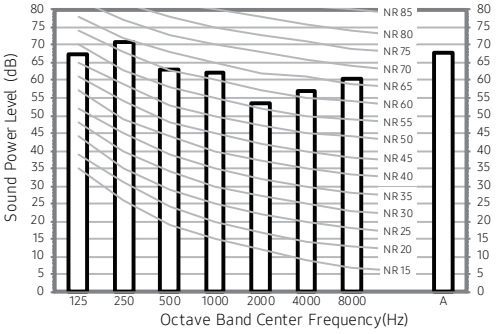
1) AM040NXMD*R/EU



2) AM050NXMD*R/EU



3) AM060NXMD*R/EU



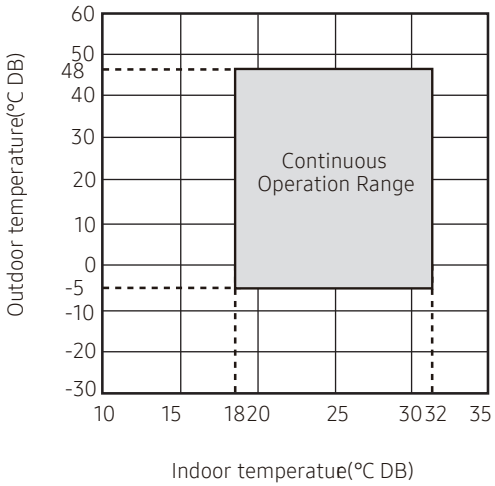
NOTE

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

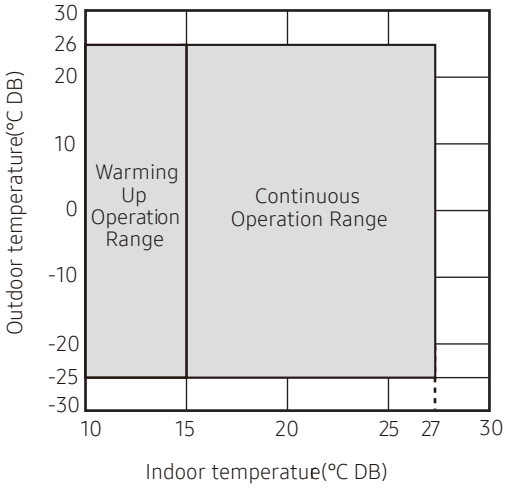
8. Operation Range

AM040NXMD*R/EU, AM050NXMD*R/EU, AM060NXMD*R/EU

Cooling



Heating

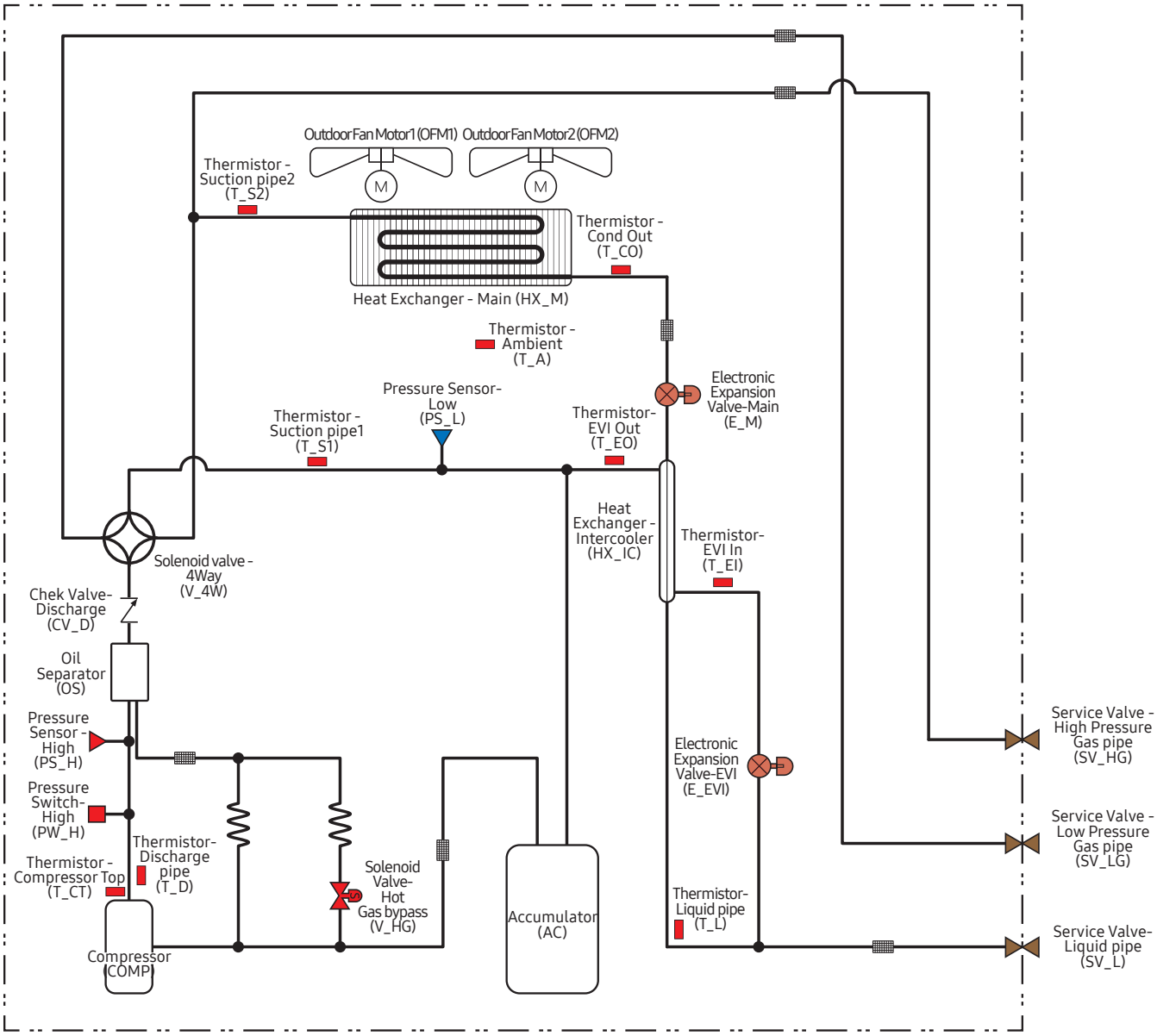


NOTE

- The standardized temperature for heating is 7°C DB. If the outdoor temperature drops to 0°C DB or below, the heating capacity can be reduced depending on the temperature condition.
- The use of the air conditioner at a relative humidity above the expected one (80%) may cause the formation of condensate and the leakage of water drops on the floor.

9. Piping Diagram

AM040NXMD*R/EU, AM050NXMD*R/EU, AM060NXMD*R/EU



10. Capacity Table

AM040NXMD*R/EU

Cooling

TC : Total Capacity, PI : Power Input

Combi. (%)	Outdoor temperature (°C)	Indoor temperature (°C, WB)													
		14		16		18		19		20		22		24	
		TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
130%	10	10.8	1.23	12.8	1.51	14.9	1.78	16.0	1.93	16.8	2.03	17.2	1.94	17.5	1.85
	12	10.8	1.25	12.8	1.53	14.9	1.83	15.9	1.97	16.6	2.02	16.9	1.93	17.4	1.89
	14	10.8	1.27	12.8	1.56	14.9	1.86	15.9	2.00	16.3	2.00	16.7	1.99	17.1	2.00
	16	10.8	1.30	12.8	1.59	14.9	1.89	15.9	2.07	16.1	2.08	16.4	2.09	16.9	2.11
	18	10.8	1.32	12.8	1.62	14.9	2.02	15.6	2.17	15.8	2.18	16.2	2.20	16.6	2.21
	20	10.7	1.35	12.7	1.73	14.8	2.17	15.5	2.28	15.6	2.29	16.0	2.30	16.4	2.33
	21	10.7	1.39	12.7	1.79	14.8	2.25	15.3	2.33	15.5	2.35	15.9	2.36	16.3	2.38
	23	10.7	1.48	12.7	1.92	14.8	2.41	15.1	2.43	15.2	2.45	15.7	2.47	16.0	2.49
	25	10.7	1.59	12.7	2.05	14.6	2.53	14.9	2.54	15.1	2.56	15.4	2.58	15.8	2.60
	27	10.7	1.70	12.7	2.20	14.4	2.64	14.6	2.65	14.8	2.66	15.2	2.69	15.6	2.71
	29	10.7	1.81	12.7	2.35	14.2	2.74	14.4	2.76	14.6	2.78	14.9	2.80	15.4	2.82
	31	10.7	1.93	12.7	2.51	14.0	2.85	14.1	2.87	14.3	2.88	14.8	2.90	15.1	2.94
	33	10.7	2.06	12.7	2.68	13.7	2.96	14.0	2.98	14.1	2.99	14.5	3.02	14.9	3.05
	35	10.6	2.19	12.6	2.86	13.5	3.07	13.7	3.08	13.8	3.10	14.3	3.13	14.6	3.17
	37	10.3	2.34	12.2	3.05	12.8	3.17	13.1	3.19	13.2	3.21	13.6	3.25	14.0	3.27
	39	10.1	2.49	12.0	3.25	12.4	3.29	12.6	3.30	12.7	3.32	13.1	3.36	13.5	3.38
	42	10.1	2.64	12.0	3.45	12.2	3.40	12.3	3.41	12.5	3.43	13.0	3.46	13.2	3.50
	44	10.1	2.79	12.0	3.65	12.1	3.51	12.1	3.51	12.2	3.55	12.8	3.58	13.0	3.61
	46	10.1	2.94	12.0	3.85	11.9	3.63	11.8	3.62	12.0	3.65	12.6	3.69	12.7	3.72
120%	10	9.9	1.13	11.8	1.37	13.8	1.63	14.7	1.76	15.7	1.89	16.9	2.00	17.3	1.92
	12	9.9	1.14	11.8	1.40	13.8	1.66	14.7	1.79	15.7	1.93	16.7	2.00	17.0	1.91
	14	9.9	1.16	11.8	1.43	13.7	1.70	14.7	1.83	15.7	1.97	16.5	1.98	16.8	2.00
	16	9.9	1.18	11.8	1.45	13.7	1.73	14.7	1.87	15.7	2.02	16.2	2.08	16.5	2.10
	18	9.9	1.21	11.8	1.48	13.7	1.78	14.7	1.97	15.6	2.17	16.0	2.19	16.3	2.21
	20	9.9	1.23	11.8	1.54	13.7	1.92	14.7	2.13	15.4	2.27	15.7	2.30	16.1	2.31
	21	9.9	1.24	11.8	1.59	13.7	1.99	14.6	2.21	15.3	2.33	15.6	2.35	16.0	2.37
	23	9.8	1.33	11.8	1.70	13.7	2.13	14.6	2.36	15.0	2.43	15.4	2.46	15.8	2.48
	25	9.8	1.42	11.7	1.83	13.7	2.29	14.6	2.53	14.8	2.54	15.1	2.56	15.5	2.59
	27	9.8	1.52	11.7	1.96	13.6	2.44	14.3	2.64	14.5	2.65	15.0	2.67	15.3	2.69
	29	9.8	1.62	11.7	2.09	13.6	2.61	14.2	2.74	14.3	2.76	14.7	2.78	15.0	2.81
	31	9.8	1.73	11.7	2.22	13.6	2.79	13.9	2.85	14.1	2.86	14.5	2.89	14.8	2.91
	33	9.8	1.83	11.7	2.38	13.5	2.95	13.7	2.95	13.9	2.97	14.2	3.00	14.6	3.03
	35	9.8	1.96	11.7	2.53	13.2	3.05	13.4	3.06	13.7	3.08	14.0	3.11	14.3	3.14
	37	9.5	2.08	11.3	2.70	12.7	3.16	12.8	3.17	13.0	3.19	13.3	3.22	13.7	3.25
	39	9.3	2.21	11.1	2.87	12.2	3.27	12.4	3.28	12.6	3.30	12.9	3.33	13.2	3.36
	42	9.3	2.35	11.1	3.05	11.9	3.38	12.2	3.38	12.4	3.41	12.7	3.44	13.1	3.47
	44	9.3	2.48	11.1	3.22	11.7	3.49	12.1	3.49	12.2	3.52	12.6	3.55	12.9	3.59
	46	9.3	2.60	11.1	3.40	11.4	3.60	11.9	3.60	12.1	3.63	12.4	3.67	12.7	3.70
110%	10	9.1	1.02	10.9	1.24	12.6	1.48	13.5	1.59	14.4	1.71	16.1	1.96	16.9	2.00
	12	9.1	1.04	10.9	1.26	12.6	1.50	13.5	1.62	14.4	1.75	16.1	2.00	16.7	1.98
	14	9.1	1.05	10.9	1.29	12.6	1.53	13.5	1.66	14.4	1.78	16.1	2.03	16.5	1.98
	16	9.1	1.07	10.8	1.32	12.6	1.56	13.5	1.69	14.3	1.81	15.9	2.07	16.3	2.09
	18	9.1	1.10	10.8	1.34	12.6	1.59	13.5	1.73	14.3	1.91	15.7	2.17	16.0	2.19
	20	9.1	1.12	10.8	1.37	12.6	1.69	13.4	1.86	14.3	2.05	15.5	2.28	15.8	2.30
	21	9.1	1.13	10.8	1.40	12.6	1.74	13.4	1.93	14.3	2.13	15.3	2.33	15.7	2.35
	23	9.1	1.18	10.8	1.51	12.5	1.87	13.4	2.07	14.3	2.28	15.1	2.43	15.4	2.46
	25	9.0	1.26	10.8	1.62	12.5	2.00	13.4	2.21	14.3	2.44	14.9	2.54	15.2	2.57
	27	9.0	1.35	10.8	1.72	12.5	2.14	13.4	2.38	14.3	2.61	14.6	2.65	15.0	2.68
	29	9.0	1.44	10.8	1.83	12.5	2.30	13.4	2.54	14.1	2.73	14.4	2.76	14.8	2.78
	31	9.0	1.53	10.8	1.96	12.5	2.44	13.4	2.71	13.9	2.84	14.1	2.87	14.5	2.89
	33	9.0	1.62	10.8	2.09	12.5	2.61	13.4	2.89	13.6	2.95	14.0	2.98	14.3	3.00
	35	9.0	1.73	10.7	2.22	12.4	2.79	13.2	3.05	13.4	3.06	13.7	3.08	14.0	3.11
	37	8.7	1.83	10.4	2.37	12.1	2.97	12.6	3.16	12.7	3.17	13.1	3.19	13.4	3.22
	39	8.5	1.96	10.2	2.52	11.8	3.17	12.2	3.26	12.3	3.27	12.6	3.30	12.9	3.33
	42	8.5	2.08	10.2	2.68	11.8	3.36	12.0	3.37	12.2	3.38	12.5	3.42	12.6	3.44
	44	8.5	2.19	10.2	2.84	11.8	3.55	11.8	3.47	12.0	3.49	12.3	3.53	12.4	3.55
	46	8.5	2.31	10.2	2.99	11.8	3.74	11.7	3.58	11.8	3.60	12.2	3.64	12.2	3.65
100%	10	8.3	0.92	9.9	1.11	11.5	1.32	12.3	1.43	13.1	1.54	14.6	1.75	16.3	1.97
	12	8.3	0.94	9.9	1.14	11.5	1.35	12.3	1.45	13.1	1.56	14.6	1.78	16.3	2.01
	14	8.3	0.95	9.9	1.15	11.5	1.37	12.3	1.48	13.0	1.59	14.6	1.82	16.2	2.04
	16	8.3	0.96	9.9	1.18	11.5	1.40	12.2	1.51	13.0	1.62	14.6	1.86	15.9	2.07
	18	8.3	0.99	9.9	1.20	11.4	1.43	12.2	1.54	13.0	1.66	14.6	1.96	15.7	2.17
	20	8.2	1.01	9.9	1.23	11.4	1.47	12.2	1.62	13.0	1.78	14.6	2.11	15.5	2.28
	21	8.2	1.02	9.9	1.24	11.4	1.52	12.2	1.67	13.0	1.83	14.6	2.19	15.3	2.34
	23	8.2	1.05	9.8	1.32	11.4	1.63	12.2	1.79	13.0	1.97	14.5	2.35	15.2	2.44
	25	8.2	1.11	9.8	1.41	11.4	1.74	12.2	1.92	13.0	2.11	14.5	2.51	14.9	2.55
	27	8.2	1.18	9.8	1.51	11.4	1.86	12.2	2.05	13.0	2.26	14.3	2.64	14.7	2.65
	29	8.2	1.26	9.8	1.61	11.4	1.99	12.2	2.20	12.9	2.41	14.2	2.74	14.4	2.76
	31	8.2	1.35	9.8	1.71	11.4	2.13	12.2	2.35	12.9	2.58	13.9	2.85	14.2	2.87
	33	8.2	1.43	9.8	1.82	11.4	2.26	12.1	2.50	12.9	2.76	13.7	2.95	14.0	2.98
	35	8.2	1.52	9.8	1.94	11.3	2.41	12.1	2.69	12.9	2.94	13.4	3.06	13.7	3.08
	37	7.9	1.62	9.5	2.06	11.0	2.57	11.7	2.84	12.5	3.13	12.8	3.17	13.1	3.20
	39	7.8	1.71	9.3	2.19	10.8	2.73	11.5	3.03	12.1	3.25	12.3	3.28	12.6	3.30
	42	7.8	1.81	9.3	2.32	10.8	2.90	11.5	3.22	11.9	3.38	12.1	3.38	12.5	3.41
	44	7.8	1.92	9.3	2.46	10.8	3.08	11.5	3.41	11.7	3.51	11.8	3.49	12.3	3.52
	46	7.8	2.01	9.3	2.59	10.8	3.25	11.5	3.60	11.6	3.63	11.6	3.60	12.2	3.63

10. Capacity Table

AM040NXMD*R/EU

Cooling

TC : Total Capacity, PI : Power Input

Combi. (%)	Outdoor temperature (°C)	Indoor temperature (°C, WB)													
		14		16		18		19		20		22		24	
		TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
90%	10	7.5	0.83	8.9	0.99	10.4	1.18	11.1	1.26	11.8	1.36	13.2	1.55	14.6	1.75
	12	7.5	0.84	8.9	1.01	10.3	1.19	11.0	1.29	11.7	1.39	13.2	1.58	14.6	1.78
	14	7.4	0.85	8.8	1.03	10.3	1.22	11.0	1.32	11.7	1.41	13.2	1.62	14.6	1.82
	16	7.4	0.87	8.8	1.05	10.3	1.24	11.0	1.34	11.7	1.44	13.2	1.64	14.6	1.85
	18	7.4	0.88	8.8	1.07	10.3	1.26	11.0	1.36	11.7	1.47	13.2	1.67	14.6	1.96
	20	7.4	0.90	8.8	1.09	10.3	1.29	11.0	1.40	11.7	1.53	13.2	1.80	14.6	2.11
	21	7.4	0.91	8.8	1.10	10.3	1.32	11.0	1.44	11.7	1.57	13.2	1.87	14.6	2.18
	23	7.4	0.93	8.8	1.14	10.3	1.40	11.0	1.54	11.7	1.69	13.2	2.00	14.5	2.35
	25	7.4	0.97	8.8	1.22	10.3	1.50	11.0	1.65	11.7	1.81	13.1	2.14	14.5	2.51
	27	7.4	1.04	8.8	1.30	10.3	1.60	11.0	1.76	11.7	1.93	13.1	2.30	14.3	2.64
	29	7.4	1.10	8.8	1.39	10.3	1.70	10.9	1.88	11.6	2.06	13.1	2.45	14.2	2.74
	31	7.4	1.18	8.8	1.48	10.2	1.82	10.9	2.00	11.6	2.20	13.1	2.62	13.9	2.85
	33	7.4	1.24	8.8	1.57	10.2	1.94	10.9	2.13	11.6	2.35	13.1	2.79	13.7	2.95
	35	7.3	1.32	8.7	1.67	10.2	2.07	10.9	2.28	11.6	2.51	13.1	2.98	13.4	3.06
	37	7.1	1.40	8.5	1.78	9.9	2.20	10.6	2.43	11.2	2.67	12.6	3.15	12.8	3.17
	39	7.0	1.48	8.3	1.89	9.7	2.35	10.3	2.59	11.0	2.84	12.1	3.25	12.3	3.28
	42	7.0	1.57	8.3	2.00	9.7	2.49	10.3	2.74	11.0	3.02	11.8	3.36	12.1	3.38
	44	7.0	1.66	8.3	2.10	9.7	2.63	10.3	2.90	11.0	3.19	11.6	3.46	11.8	3.49
	46	7.0	1.75	8.3	2.21	9.7	2.78	10.3	3.06	11.0	3.37	11.3	3.57	11.6	3.60
80%	10	6.6	0.73	7.9	0.88	9.2	1.02	9.8	1.10	10.4	1.18	11.8	1.35	13.0	1.53
	12	6.6	0.75	7.9	0.88	9.2	1.05	9.8	1.13	10.4	1.21	11.7	1.38	13.0	1.56
	14	6.6	0.75	7.9	0.91	9.2	1.07	9.8	1.15	10.4	1.23	11.7	1.40	13.0	1.59
	16	6.6	0.77	7.9	0.93	9.2	1.09	9.8	1.17	10.4	1.26	11.7	1.44	12.9	1.62
	18	6.6	0.78	7.9	0.94	9.2	1.10	9.8	1.19	10.4	1.28	11.7	1.46	12.9	1.65
	20	6.6	0.80	7.9	0.96	9.2	1.13	9.8	1.22	10.4	1.31	11.7	1.52	12.9	1.76
	21	6.6	0.80	7.9	0.96	9.2	1.14	9.8	1.23	10.4	1.33	11.7	1.57	12.9	1.83
	23	6.6	0.82	7.9	0.98	9.1	1.19	9.8	1.31	10.4	1.43	11.7	1.68	12.9	1.96
	25	6.6	0.84	7.8	1.05	9.1	1.27	9.7	1.40	10.4	1.53	11.7	1.80	12.9	2.10
	27	6.6	0.89	7.8	1.12	9.1	1.36	9.7	1.49	10.3	1.63	11.7	1.92	12.9	2.24
	29	6.6	0.95	7.8	1.18	9.1	1.45	9.7	1.59	10.3	1.74	11.6	2.05	12.9	2.40
	31	6.6	1.01	7.8	1.26	9.1	1.54	9.7	1.70	10.3	1.86	11.6	2.19	12.8	2.56
	33	6.6	1.07	7.8	1.35	9.1	1.64	9.7	1.81	10.3	1.97	11.6	2.34	12.8	2.73
	35	6.5	1.14	7.8	1.43	9.1	1.75	9.7	1.92	10.3	2.11	11.6	2.49	12.8	2.92
	37	6.3	1.21	7.6	1.51	8.8	1.86	9.4	2.05	10.0	2.24	11.2	2.65	12.4	3.11
	39	6.2	1.28	7.4	1.61	8.6	1.97	9.2	2.17	9.8	2.39	11.0	2.83	12.1	3.25
	42	6.2	1.35	7.4	1.70	8.6	2.09	9.2	2.30	9.8	2.54	11.0	3.00	12.0	3.40
	44	6.2	1.43	7.4	1.79	8.6	2.20	9.2	2.43	9.8	2.69	11.0	3.18	11.9	3.55
	46	6.2	1.51	7.4	1.89	8.6	2.31	9.2	2.57	9.8	2.84	11.0	3.36	11.8	3.68
70%	10	5.8	0.64	6.9	0.76	8.0	0.88	8.6	0.96	9.1	1.02	10.3	1.16	11.4	1.31
	12	5.8	0.65	6.9	0.77	8.0	0.91	8.6	0.97	9.1	1.05	10.3	1.18	11.4	1.33
	14	5.8	0.67	6.9	0.79	8.0	0.92	8.6	0.99	9.1	1.06	10.2	1.21	11.4	1.35
	16	5.8	0.67	6.9	0.80	8.0	0.94	8.6	1.01	9.1	1.08	10.2	1.23	11.4	1.39
	18	5.8	0.68	6.9	0.82	8.0	0.96	8.6	1.02	9.1	1.10	10.2	1.26	11.4	1.41
	20	5.8	0.69	6.9	0.83	8.0	0.97	8.6	1.05	9.1	1.13	10.2	1.28	11.3	1.45
	21	5.8	0.70	6.9	0.84	8.0	0.98	8.5	1.05	9.1	1.14	10.2	1.30	11.3	1.51
	23	5.8	0.71	6.9	0.86	8.0	1.00	8.5	1.10	9.1	1.18	10.2	1.40	11.3	1.62
	25	5.8	0.72	6.9	0.88	8.0	1.07	8.5	1.17	9.0	1.27	10.2	1.48	11.3	1.73
	27	5.7	0.77	6.9	0.94	8.0	1.14	8.5	1.24	9.0	1.35	10.2	1.59	11.3	1.84
	29	5.7	0.81	6.9	1.01	8.0	1.21	8.5	1.32	9.0	1.44	10.2	1.70	11.3	1.97
	31	5.7	0.86	6.8	1.07	8.0	1.29	8.5	1.41	9.0	1.54	10.2	1.81	11.3	2.10
	33	5.7	0.92	6.8	1.13	7.9	1.37	8.5	1.50	9.0	1.64	10.1	1.92	11.3	2.24
	35	5.7	0.96	6.8	1.20	7.9	1.45	8.5	1.59	9.0	1.74	10.1	2.05	11.2	2.38
	37	5.5	1.02	6.6	1.27	7.7	1.55	8.2	1.70	8.7	1.85	9.8	2.18	10.9	2.54
	39	5.4	1.09	6.5	1.35	7.5	1.64	8.0	1.80	8.5	1.97	9.6	2.32	10.7	2.70
	42	5.4	1.15	6.5	1.43	7.5	1.74	8.0	1.91	8.5	2.09	9.6	2.46	10.7	2.87
	44	5.4	1.21	6.5	1.50	7.5	1.83	8.0	2.01	8.5	2.21	9.6	2.59	10.7	3.04
	46	5.4	1.27	6.5	1.57	7.5	1.92	8.0	2.12	8.5	2.32	9.6	2.73	10.7	3.21
60%	10	5.0	0.56	5.9	0.66	6.9	0.75	7.4	0.81	7.8	0.87	8.8	0.98	9.7	1.10
	12	5.0	0.57	5.9	0.67	6.9	0.77	7.4	0.83	7.8	0.88	8.8	1.00	9.7	1.12
	14	5.0	0.58	5.9	0.67	6.9	0.79	7.4	0.84	7.8	0.90	8.8	1.02	9.7	1.14
	16	5.0	0.58	5.9	0.69	6.9	0.80	7.3	0.86	7.8	0.91	8.7	1.04	9.7	1.16
	18	5.0	0.59	5.9	0.70	6.9	0.81	7.3	0.87	7.8	0.93	8.7	1.05	9.7	1.18
	20	5.0	0.60	5.9	0.71	6.9	0.83	7.3	0.88	7.8	0.95	8.7	1.07	9.7	1.21
	21	4.9	0.61	5.9	0.72	6.8	0.83	7.3	0.89	7.8	0.96	8.7	1.09	9.7	1.22
	23	4.9	0.62	5.9	0.73	6.8	0.85	7.3	0.91	7.8	0.97	8.7	1.13	9.7	1.30
	25	4.9	0.62	5.9	0.75	6.8	0.88	7.3	0.96	7.8	1.04	8.7	1.21	9.7	1.39
	27	4.9	0.65	5.9	0.79	6.8	0.94	7.3	1.02	7.8	1.10	8.7	1.29	9.7	1.48
	29	4.9	0.69	5.9	0.84	6.8	1.00	7.3	1.09	7.8	1.18	8.7	1.37	9.6	1.57
	31	4.9	0.73	5.9	0.88	6.8	1.06	7.3	1.15	7.8	1.25	8.7	1.45	9.6	1.68
	33	4.9	0.77	5.9	0.94	6.8	1.13	7.3	1.23	7.8	1.33	8.7	1.55	9.6	1.78
	35	4.9	0.81	5.8	0.99	6.8	1.19	7.3	1.30	7.7	1.41	8.6	1.65	9.6	1.91
	37	4.8	0.86	5.7	1.05	6.6	1.27	7.0	1.38	7.5	1.50	8.4	1.75	9.3	2.02
	39	4.7	0.91	5.5	1.11	6.4	1.35	6.9	1.46	7.3	1.59	8.2	1.86	9.1	2.16
	42	4.7	0.96	5.5	1.17	6.4	1.42	6.9	1.54	7.3	1.69	8.2	1.97	9.1	2.29
	44	4.7	1.01	5.5	1.23	6.4	1.49	6.9	1.62	7.3	1.78	8.2	2.08	9.1	2.42
	46	4.7	1.06	5.5	1.28	6.4	1.57	6.9	1.70	7.3	1.87	8.2	2.18	9.1	2.55

10. Capacity Table

AM040NXMD*R/EU

Cooling

TC : Total Capacity, PI : Power Input

Combi. (%)	Outdoor temperature (°C)	Indoor temperature (°C, WB)													
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
50%	10	4.1	0.48	4.9	0.56	5.7	0.64	6.1	0.67	6.5	0.72	7.3	0.81	8.1	0.90
	12	4.1	0.49	4.9	0.56	5.7	0.64	6.1	0.69	6.5	0.73	7.3	0.83	8.1	0.92
	14	4.1	0.50	4.9	0.58	5.7	0.66	6.1	0.70	6.5	0.75	7.3	0.84	8.1	0.93
	16	4.1	0.50	4.9	0.58	5.7	0.67	6.1	0.71	6.5	0.75	7.3	0.85	8.1	0.95
	18	4.1	0.50	4.9	0.58	5.7	0.67	6.1	0.72	6.5	0.77	7.3	0.87	8.1	0.96
	20	4.1	0.51	4.9	0.60	5.7	0.69	6.1	0.74	6.5	0.78	7.3	0.88	8.1	0.99
	21	4.1	0.52	4.9	0.61	5.7	0.69	6.1	0.75	6.5	0.79	7.3	0.89	8.1	0.99
	23	4.1	0.53	4.9	0.61	5.7	0.71	6.1	0.75	6.5	0.80	7.3	0.91	8.1	1.02
	25	4.1	0.53	4.9	0.62	5.7	0.72	6.1	0.77	6.5	0.83	7.3	0.96	8.1	1.09
	27	4.1	0.54	4.9	0.64	5.7	0.75	6.1	0.82	6.5	0.88	7.3	1.01	8.1	1.15
	29	4.1	0.58	4.9	0.68	5.7	0.80	6.1	0.87	6.5	0.94	7.3	1.08	8.1	1.23
	31	4.1	0.61	4.9	0.72	5.7	0.86	6.1	0.93	6.5	0.99	7.3	1.15	8.1	1.32
	33	4.1	0.64	4.9	0.77	5.7	0.91	6.1	0.98	6.5	1.05	7.3	1.22	8.0	1.40
	35	4.1	0.67	4.9	0.81	5.7	0.96	6.1	1.04	6.4	1.12	7.2	1.29	8.0	1.48
	37	4.0	0.71	4.7	0.86	5.5	1.01	5.9	1.10	6.3	1.18	7.0	1.37	7.8	1.57
	39	3.9	0.75	4.6	0.91	5.4	1.07	5.7	1.16	6.1	1.26	6.9	1.45	7.6	1.67
	42	3.9	0.79	4.6	0.96	5.4	1.14	5.7	1.23	6.1	1.32	6.9	1.54	7.6	1.76
	44	3.9	0.83	4.6	1.01	5.4	1.20	5.7	1.29	6.1	1.40	6.9	1.62	7.6	1.86
	46	3.9	0.86	4.6	1.05	5.4	1.26	5.7	1.35	6.1	1.46	6.9	1.70	7.6	1.95

NOTE

- The performance table shows the average value of each conditions.

10. Capacity Table

AM040NXMD*R/EU

Heating

TC : Total Capacity, PI : Power Input

Combi. (%)	Outdoor temperature (°C)		Indoor temperature (°C, DB)									
			16		18		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	DB	WB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	-25	-24	8.6	4.20	8.6	4.41	8.7	4.63	8.8	4.84	8.8	5.06
	-22	-23	9.6	4.44	9.5	4.66	9.7	4.90	9.6	5.06	9.6	5.22
	-20	-21	10.1	4.59	10.1	4.77	10.1	4.92	10.1	5.09	10.0	5.25
	-17	-18	11.1	4.65	11.0	4.81	11.0	4.96	10.9	5.12	10.9	5.28
	-15	-16	11.6	4.68	11.6	4.83	11.5	4.99	11.5	5.15	11.5	5.31
	-12	-13	12.2	4.71	12.2	4.87	12.2	5.03	12.2	5.19	12.1	5.35
	-10	-11	12.8	4.74	12.8	4.89	12.8	5.05	12.7	5.21	12.7	5.37
	-7	-8	13.9	4.78	13.8	4.93	13.8	5.09	13.7	5.25	13.7	5.41
	-5	-6	14.4	4.80	14.4	4.95	14.4	5.11	14.4	5.27	14.4	5.44
	-3	-4	15.0	4.82	15.0	4.98	15.0	5.14	14.9	5.30	14.9	5.45
	0	-1	15.9	4.86	15.9	5.02	15.8	5.17	15.8	5.33	15.8	5.04
	3	2.2	16.8	4.90	16.7	5.06	16.7	5.21	16.7	5.23	16.5	4.47
	5	4.1	17.4	4.92	17.4	5.08	17.3	5.24	17.3	4.80	16.5	4.13
	7	6	17.9	4.95	17.9	5.11	17.9	5.20	17.8	4.42	16.5	3.82
	9	7.9	18.6	4.97	18.5	5.13	18.5	4.76	17.8	4.07	16.5	3.55
	11	9.8	19.1	5.00	19.0	5.10	19.0	4.36	17.8	3.75	16.5	3.31
	13	12	19.7	5.02	19.7	4.69	19.0	3.99	17.8	3.47	16.5	3.10
	15	14	20.3	5.00	20.2	4.31	19.0	3.64	17.8	3.22	16.5	2.89
120%	-25	-24	8.5	4.23	8.6	4.44	8.7	4.66	8.7	4.85	8.7	5.04
	-22	-23	9.5	4.49	9.5	4.71	9.6	4.94	9.6	5.09	9.5	5.23
	-20	-21	10.1	4.65	10.1	4.82	10.1	4.98	10.0	5.11	10.0	5.25
	-17	-18	11.0	4.69	11.0	4.85	10.9	5.01	10.9	5.15	10.9	5.29
	-15	-16	11.6	4.71	11.5	4.88	11.5	5.04	11.5	5.18	11.4	5.32
	-12	-13	12.2	4.75	12.2	4.91	12.2	5.07	12.1	5.21	12.1	5.35
	-10	-11	12.8	4.78	12.7	4.94	12.7	5.10	12.7	5.24	12.6	5.38
	-7	-8	13.8	4.82	13.8	4.98	13.7	5.14	13.7	5.28	13.7	5.41
	-5	-6	14.4	4.84	14.4	5.00	14.4	5.16	14.4	5.30	14.3	5.30
	-3	-4	15.0	4.86	15.0	5.03	14.9	5.19	14.9	5.32	14.9	4.90
	0	-1	15.9	4.90	15.8	5.06	15.8	5.23	15.8	5.04	15.3	4.34
	3	2.2	16.7	4.94	16.7	5.10	16.7	5.19	16.5	4.46	15.3	3.86
	5	4.1	17.4	4.96	17.3	5.12	17.3	4.78	16.5	4.11	15.3	3.58
	7	6	17.9	4.99	17.8	5.03	17.6	4.39	16.5	3.79	15.3	3.34
	9	7.9	18.5	5.01	18.5	4.65	17.6	4.03	16.5	3.51	15.3	3.12
	11	9.8	19.0	4.88	18.6	4.27	17.6	3.70	16.5	3.26	15.3	2.94
	13	12	19.7	4.52	18.6	3.93	17.6	3.40	16.5	3.04	15.3	2.76
	15	14	19.8	4.16	18.6	3.62	17.6	3.14	16.5	2.84	15.3	2.60
110%	-25	-24	8.5	4.26	8.5	4.47	8.6	4.69	8.6	4.85	8.6	5.02
	-22	-23	9.5	4.52	9.5	4.74	9.5	4.98	9.6	5.12	9.4	5.24
	-20	-21	10.1	4.69	10.0	4.86	10.0	5.03	10.0	5.15	9.9	5.26
	-17	-18	11.0	4.73	10.9	4.90	10.9	5.07	10.9	5.18	10.8	5.30
	-15	-16	11.5	4.75	11.5	4.92	11.5	5.09	11.4	5.20	11.4	5.32
	-12	-13	12.2	4.79	12.1	4.96	12.1	5.13	12.1	5.24	12.1	5.36
	-10	-11	12.7	4.82	12.7	4.99	12.7	5.16	12.6	5.27	12.6	5.38
	-7	-8	13.8	4.85	13.7	5.02	13.7	5.19	13.7	5.31	13.6	4.95
	-5	-6	14.4	4.88	14.4	5.05	14.3	5.22	14.3	5.24	14.0	4.57
	-3	-4	14.9	4.90	14.9	5.07	14.9	5.24	14.8	4.87	14.0	4.21
	0	-1	15.8	4.94	15.8	5.11	15.8	4.99	15.1	4.31	14.0	3.74
	3	2.2	16.7	4.98	16.6	4.97	16.1	4.41	15.1	3.82	14.0	3.35
	5	4.1	17.3	4.99	17.1	4.59	16.1	4.05	15.1	3.53	14.0	3.13
	7	6	17.8	4.77	17.1	4.22	16.1	3.72	15.1	3.27	14.0	2.94
	9	7.9	18.2	4.39	17.1	3.87	16.1	3.43	15.1	3.05	14.0	2.76
	11	9.8	18.2	4.03	17.1	3.57	16.1	3.16	15.1	2.85	14.0	2.61
	13	12	18.2	3.70	17.1	3.29	16.1	2.93	15.1	2.67	14.0	2.47
	15	14	18.2	3.41	17.1	3.05	16.1	2.73	15.1	2.52	14.0	2.34
100%	-25	-24	8.4	4.29	8.5	4.49	8.5	4.71	8.5	4.85	8.6	4.99
	-22	-23	9.3	4.56	9.4	4.78	9.5	5.01	9.5	5.15	9.4	5.24
	-20	-21	10.0	4.73	10.0	4.91	10.0	5.08	9.9	5.17	9.9	5.26
	-17	-18	10.9	4.77	10.9	4.95	10.8	5.12	10.8	5.21	10.8	5.30
	-15	-16	11.5	4.79	11.4	4.97	11.3	5.14	11.4	5.24	11.4	5.32
	-12	-13	12.1	4.83	12.1	5.00	11.9	5.18	12.0	5.27	12.0	5.19
	-10	-11	12.7	4.86	12.7	5.03	12.5	5.20	12.6	5.29	12.6	4.80
	-7	-8	13.7	4.89	13.7	5.07	13.4	5.24	13.6	4.90	12.7	4.25
	-5	-6	14.4	4.92	14.3	5.09	14.0	5.18	13.7	4.52	12.7	3.92
	-3	-4	14.9	4.94	14.9	5.11	14.2	4.81	13.7	4.16	12.7	3.62
	0	-1	15.8	4.98	15.5	4.73	14.2	4.24	13.7	3.68	12.7	3.23
	3	2.2	16.5	4.65	15.5	4.16	14.2	3.74	13.7	3.27	12.7	2.91
	5	4.1	16.5	4.26	15.5	3.81	14.2	3.43	13.7	3.04	12.7	2.74
	7	6	16.5	3.89	15.5	3.49	14.2	3.16	13.7	2.83	12.7	2.58
	9	7.9	16.5	3.56	15.5	3.21	14.3	2.92	13.7	2.65	12.7	2.44
	11	9.8	16.5	3.26	15.5	2.96	14.3	2.71	13.7	2.49	12.7	2.32
	13	12	16.5	3.00	15.5	2.74	14.3	2.54	13.7	2.36	12.7	2.21
	15	14	16.5	2.76	15.5	2.55	14.3	2.39	13.7	2.24	12.7	2.10

10. Capacity Table

AM040NXMD*R/EU

Heating

TC : Total Capacity, PI : Power Input

Combi. (%)	Outdoor temperature (°C)		Indoor temperature (°C, DB)									
			16		18		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	DB	WB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
90%	-25	-24	8.5	4.28	8.5	4.46	8.5	4.66	8.6	4.80	8.8	4.95
	-22	-23	9.5	4.55	9.5	4.74	9.4	4.90	9.4	4.96	9.4	5.03
	-20	-21	10.0	4.62	9.9	4.78	9.9	4.93	9.9	4.99	9.9	5.05
	-17	-18	10.9	4.66	10.8	4.81	10.8	4.96	10.8	5.03	10.8	5.07
	-15	-16	11.4	4.68	11.4	4.84	11.4	4.99	11.3	5.05	11.3	4.87
	-12	-13	12.1	4.72	12.1	4.87	12.0	5.03	12.0	4.88	11.4	4.33
	-10	-11	12.6	4.74	12.6	4.90	12.6	5.01	12.3	4.51	11.4	3.99
	-7	-8	13.7	4.78	13.6	4.88	13.2	4.53	12.3	4.01	11.4	3.55
	-5	-6	14.3	4.80	14.0	4.58	13.2	4.18	12.3	3.70	11.4	3.30
	-3	-4	14.8	4.63	14.0	4.22	13.2	3.86	12.3	3.43	11.4	3.08
	0	-1	14.9	4.10	14.0	3.74	13.2	3.43	12.3	3.08	11.4	2.79
	3	2.2	14.9	3.62	14.0	3.33	13.2	3.07	12.3	2.79	11.4	2.56
	5	4.1	14.9	3.35	14.0	3.09	13.2	2.86	12.3	2.62	11.4	2.42
	7	6	14.9	3.11	14.0	2.87	13.2	2.67	12.3	2.47	11.4	2.29
	9	7.9	14.9	2.90	14.0	2.69	13.2	2.50	12.3	2.33	11.4	2.17
	11	9.8	14.9	2.70	14.0	2.52	13.2	2.35	12.3	2.20	11.4	2.07
	13	12	14.9	2.53	14.0	2.36	13.2	2.21	12.3	2.09	11.4	1.98
	15	14	14.9	2.37	14.0	2.23	13.2	2.10	12.3	1.99	11.4	1.88
80%	-25	-24	8.5	4.27	8.6	4.44	8.6	4.60	8.8	4.74	8.7	4.77
	-22	-23	9.5	4.49	9.4	4.62	9.4	4.75	9.4	4.78	9.4	4.81
	-20	-21	9.9	4.51	9.9	4.64	9.9	4.77	9.9	4.80	9.8	4.82
	-17	-18	10.8	4.55	10.8	4.68	10.8	4.81	10.7	4.79	10.2	4.38
	-15	-16	11.4	4.57	11.3	4.70	11.3	4.84	11.0	4.49	10.2	4.04
	-12	-13	12.0	4.61	12.0	4.70	11.7	4.42	11.0	3.98	10.2	3.59
	-10	-11	12.6	4.63	12.4	4.42	11.7	4.08	11.0	3.68	10.2	3.33
	-7	-8	13.2	4.24	12.4	3.92	11.7	3.62	11.0	3.28	10.2	2.99
	-5	-6	13.2	3.91	12.4	3.62	11.7	3.36	11.0	3.06	10.2	2.81
	-3	-4	13.2	3.61	12.4	3.35	11.7	3.12	11.0	2.87	10.2	2.65
	0	-1	13.2	3.22	12.4	3.01	11.7	2.83	11.0	2.61	10.2	2.43
	3	2.2	13.2	2.90	12.4	2.73	11.7	2.57	11.0	2.40	10.2	2.25
	5	4.1	13.2	2.72	12.4	2.57	11.7	2.43	11.0	2.28	10.2	2.14
	7	6	13.2	2.58	12.4	2.43	11.7	2.29	11.0	2.15	10.2	2.03
	9	7.9	13.2	2.43	12.4	2.29	11.7	2.16	11.0	2.04	10.2	1.92
	11	9.8	13.2	2.29	12.4	2.16	11.7	2.03	11.0	1.93	10.2	1.84
	13	12	13.2	2.17	12.4	2.05	11.7	1.93	11.0	1.84	10.2	1.76
	15	14	13.2	2.06	12.4	1.95	11.7	1.83	11.0	1.75	10.2	1.68
70%	-25	-24	8.7	4.33	8.8	4.41	8.6	4.45	8.6	4.41	8.3	4.38
	-22	-23	9.4	4.40	9.5	4.45	9.3	4.49	9.3	4.45	8.9	4.38
	-20	-21	9.9	4.43	9.9	4.47	9.8	4.52	9.6	4.42	8.9	4.09
	-17	-18	10.8	4.46	10.7	4.50	10.2	4.32	9.6	3.95	8.9	3.62
	-15	-16	11.3	4.48	10.9	4.27	10.2	3.98	9.6	3.65	8.9	3.35
	-12	-13	11.5	4.06	10.9	3.78	10.2	3.53	9.6	3.25	8.9	2.99
	-10	-11	11.5	3.74	10.9	3.49	10.2	3.27	9.6	3.02	8.9	2.79
	-7	-8	11.5	3.32	10.9	3.12	10.2	2.94	9.6	2.73	8.9	2.54
	-5	-6	11.5	3.08	10.9	2.91	10.2	2.75	9.6	2.57	8.9	2.41
	-3	-4	11.5	2.87	10.9	2.72	10.2	2.58	9.6	2.42	8.9	2.28
	0	-1	11.5	2.61	10.9	2.49	10.2	2.37	9.6	2.23	8.9	2.11
	3	2.2	11.5	2.40	10.9	2.29	10.2	2.19	9.6	2.07	8.9	1.95
	5	4.1	11.5	2.28	10.9	2.17	10.2	2.07	9.6	1.96	8.9	1.86
	7	6	11.5	2.16	10.9	2.06	10.2	1.95	9.6	1.85	8.9	1.76
	9	7.9	11.5	2.05	10.9	1.95	10.2	1.84	9.6	1.75	8.9	1.67
	11	9.8	11.5	1.94	10.9	1.84	10.2	1.75	9.6	1.67	8.9	1.60
	13	12	11.5	1.86	10.9	1.76	10.2	1.66	9.6	1.59	8.9	1.53
	15	14	11.5	1.77	10.9	1.67	10.2	1.58	9.6	1.52	8.9	1.46
60%	-25	-24	8.7	4.30	8.4	4.20	8.1	4.09	7.7	3.95	7.3	3.81
	-22	-23	9.3	4.34	9.1	4.24	8.8	4.13	8.2	3.88	7.7	3.61
	-20	-21	9.8	4.36	9.3	4.12	8.8	3.87	8.2	3.59	7.7	3.33
	-17	-18	9.9	3.89	9.3	3.65	8.8	3.42	8.2	3.18	7.7	2.96
	-15	-16	9.9	3.58	9.3	3.36	8.8	3.16	8.2	2.95	7.7	2.75
	-12	-13	9.9	3.17	9.3	2.99	8.8	2.82	8.2	2.65	7.7	2.49
	-10	-11	9.9	2.94	9.3	2.78	8.8	2.64	8.2	2.49	7.7	2.34
	-7	-8	9.9	2.65	9.3	2.52	8.8	2.41	8.2	2.27	7.7	2.14
	-5	-6	9.9	2.49	9.3	2.37	8.8	2.27	8.2	2.15	7.7	2.03
	-3	-4	9.9	2.35	9.3	2.25	8.8	2.15	8.2	2.03	7.7	1.92
	0	-1	9.9	2.16	9.3	2.07	8.8	1.98	8.2	1.88	7.7	1.78
	3	2.2	9.9	2.00	9.3	1.91	8.8	1.83	8.2	1.74	7.7	1.65
	5	4.1	9.9	1.89	9.3	1.81	8.8	1.72	8.2	1.64	7.7	1.57
	7	6	9.9	1.79	9.3	1.71	8.8	1.63	8.2	1.56	7.7	1.49
	9	7.9	9.9	1.70	9.3	1.62	8.8	1.55	8.2	1.48	7.7	1.41
	11	9.8	9.9	1.62	9.3	1.55	8.8	1.48	8.2	1.41	7.7	1.35
	13	12	9.9	1.55	9.3	1.48	8.8	1.40	8.2	1.35	7.7	1.29
	15	14	9.9	1.48	9.3	1.41	8.8	1.33	8.2	1.28	7.7	1.24

10. Capacity Table

AM040NXMD*R/EU

Heating

TC : Total Capacity, PI : Power Input

Combi. (%)	Outdoor temperature (°C)		Indoor temperature (°C, DB)									
			16		18		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	DB	WB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
50%	-25	-24	8.3	4.24	7.8	3.99	7.3	3.74	6.8	3.48	6.4	3.23
	-22	-23	8.3	3.73	7.8	3.50	7.3	3.28	6.8	3.07	6.4	2.85
	-20	-21	8.3	3.42	7.8	3.21	7.3	3.01	6.8	2.83	6.4	2.64
	-17	-18	8.3	3.01	7.8	2.84	7.3	2.66	6.8	2.52	6.4	2.37
	-15	-16	8.3	2.78	7.8	2.63	7.3	2.47	6.8	2.34	6.4	2.21
	-12	-13	8.3	2.49	7.8	2.37	7.3	2.25	6.8	2.14	6.4	2.03
	-10	-11	8.3	2.34	7.8	2.23	7.3	2.12	6.8	2.02	6.4	1.92
	-7	-8	8.3	2.15	7.8	2.05	7.3	1.95	6.8	1.86	6.4	1.76
	-5	-6	8.3	2.03	7.8	1.94	7.3	1.86	6.8	1.76	6.4	1.67
	-3	-4	8.3	1.91	7.8	1.84	7.3	1.76	6.8	1.67	6.4	1.58
	0	-1	8.3	1.76	7.8	1.69	7.3	1.62	6.8	1.54	6.4	1.47
	3	2.2	8.3	1.62	7.8	1.55	7.3	1.48	6.8	1.42	6.4	1.35
	5	4.1	8.3	1.54	7.8	1.47	7.3	1.40	6.8	1.34	6.4	1.29
	7	6	8.3	1.45	7.8	1.40	7.3	1.34	6.8	1.28	6.4	1.22
	9	7.9	8.3	1.39	7.8	1.33	7.3	1.28	6.8	1.22	6.4	1.16
	11	9.8	8.3	1.33	7.8	1.27	7.3	1.21	6.8	1.16	6.4	1.11
	13	12	8.3	1.27	7.8	1.21	7.3	1.15	6.8	1.11	6.4	1.06
	15	14	8.3	1.21	7.8	1.15	7.3	1.09	6.8	1.05	6.4	1.01

NOTE

- The performance table shows the average value of each conditions.

10. Capacity Table

AM050NXMD*R/EU

Cooling

TC : Total Capacity, PI : Power Input

Combi. (%)	Outdoor temperature (°C)	Indoor temperature (°C, WB)													
		14		16		18		19		20		22		24	
		TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
130%	10	12.5	1.56	14.8	1.91	17.3	2.26	18.5	2.45	19.4	2.58	19.9	2.46	20.3	2.34
	12	12.5	1.58	14.8	1.94	17.2	2.32	18.5	2.49	19.2	2.56	19.6	2.45	20.1	2.40
	14	12.5	1.61	14.8	1.98	17.2	2.35	18.4	2.54	18.8	2.54	19.4	2.52	19.8	2.54
	16	12.5	1.65	14.8	2.02	17.2	2.40	18.4	2.62	18.6	2.63	19.0	2.65	19.5	2.68
	18	12.4	1.68	14.8	2.06	17.2	2.56	18.1	2.75	18.3	2.76	18.8	2.79	19.2	2.81
	20	12.4	1.71	14.8	2.20	17.2	2.75	17.9	2.89	18.1	2.90	18.5	2.92	19.0	2.96
	21	12.4	1.76	14.7	2.27	17.2	2.85	17.7	2.96	18.0	2.97	18.4	2.99	18.9	3.02
	23	12.4	1.88	14.7	2.43	17.1	3.06	17.4	3.09	17.6	3.10	18.1	3.13	18.6	3.16
	25	12.4	2.02	14.7	2.60	16.9	3.21	17.2	3.22	17.4	3.24	17.8	3.27	18.3	3.30
	27	12.4	2.16	14.7	2.79	16.7	3.35	16.9	3.35	17.1	3.37	17.6	3.41	18.0	3.44
	29	12.4	2.30	14.7	2.97	16.4	3.47	16.7	3.49	16.9	3.52	17.3	3.55	17.8	3.58
	31	12.4	2.45	14.7	3.19	16.2	3.61	16.4	3.63	16.6	3.65	17.1	3.68	17.5	3.73
	33	12.3	2.61	14.6	3.40	15.9	3.75	16.2	3.77	16.4	3.79	16.8	3.83	17.3	3.86
	35	12.3	2.78	14.6	3.62	15.6	3.89	15.8	3.90	16.0	3.93	16.5	3.97	16.9	4.01
	37	11.9	2.97	14.2	3.86	14.8	4.02	15.1	4.05	15.3	4.07	15.7	4.11	16.2	4.15
	39	11.7	3.15	13.9	4.11	14.4	4.17	14.5	4.18	14.7	4.21	15.2	4.25	15.6	4.29
	42	11.7	3.35	13.9	4.37	14.2	4.31	14.3	4.32	14.4	4.35	15.0	4.39	15.3	4.44
	44	11.7	3.53	13.9	4.62	14.0	4.45	14.0	4.45	14.2	4.49	14.8	4.54	15.0	4.58
	46	11.7	3.73	13.9	4.88	13.8	4.60	13.7	4.59	13.9	4.63	14.6	4.68	14.7	4.72
120%	10	11.5	1.43	13.7	1.73	15.9	2.07	17.1	2.23	18.2	2.40	19.6	2.54	20.0	2.44
	12	11.5	1.45	13.7	1.77	15.9	2.10	17.0	2.27	18.2	2.45	19.3	2.53	19.7	2.42
	14	11.5	1.47	13.7	1.81	15.9	2.15	17.0	2.32	18.1	2.49	19.0	2.51	19.5	2.53
	16	11.4	1.50	13.7	1.83	15.9	2.19	17.0	2.37	18.1	2.56	18.7	2.64	19.1	2.66
	18	11.4	1.54	13.7	1.88	15.9	2.26	17.0	2.50	18.1	2.75	18.5	2.77	18.9	2.80
	20	11.4	1.56	13.6	1.95	15.9	2.43	17.0	2.70	17.8	2.88	18.2	2.91	18.6	2.93
	21	11.4	1.58	13.6	2.02	15.8	2.52	17.0	2.80	17.7	2.96	18.1	2.97	18.5	3.00
	23	11.4	1.69	13.6	2.16	15.8	2.70	16.9	2.99	17.3	3.09	17.8	3.11	18.2	3.14
	25	11.4	1.80	13.6	2.32	15.8	2.90	16.9	3.21	17.1	3.22	17.5	3.24	17.9	3.28
	27	11.4	1.93	13.6	2.48	15.8	3.09	16.6	3.35	16.8	3.35	17.3	3.38	17.7	3.41
	29	11.4	2.05	13.6	2.65	15.8	3.31	16.4	3.47	16.6	3.49	17.0	3.52	17.4	3.56
	31	11.4	2.19	13.6	2.82	15.8	3.54	16.1	3.61	16.3	3.62	16.8	3.66	17.2	3.69
	33	11.3	2.33	13.5	3.01	15.7	3.73	15.9	3.74	16.1	3.76	16.5	3.80	16.9	3.84
	35	11.3	2.48	13.5	3.21	15.3	3.86	15.5	3.88	15.8	3.90	16.2	3.94	16.6	3.98
	37	11.0	2.64	13.1	3.42	14.7	4.00	14.8	4.02	15.0	4.04	15.4	4.08	15.8	4.11
	39	10.7	2.81	12.8	3.64	14.1	4.14	14.4	4.16	14.5	4.18	14.9	4.23	15.3	4.26
	42	10.7	2.97	12.8	3.86	13.8	4.28	14.2	4.29	14.4	4.33	14.7	4.36	15.1	4.40
	44	10.7	3.14	12.8	4.09	13.5	4.43	14.0	4.43	14.2	4.47	14.5	4.50	14.9	4.55
	46	10.7	3.30	12.8	4.31	13.2	4.57	13.8	4.56	14.0	4.61	14.4	4.65	14.7	4.69
110%	10	10.6	1.29	12.6	1.58	14.6	1.87	15.6	2.02	16.7	2.17	18.7	2.48	19.6	2.53
	12	10.6	1.32	12.6	1.60	14.6	1.90	15.6	2.06	16.6	2.21	18.7	2.53	19.4	2.51
	14	10.5	1.33	12.6	1.63	14.6	1.94	15.6	2.10	16.6	2.26	18.6	2.58	19.0	2.51
	16	10.5	1.36	12.6	1.67	14.6	1.98	15.6	2.14	16.6	2.30	18.4	2.62	18.8	2.65
	18	10.5	1.39	12.5	1.70	14.6	2.02	15.6	2.20	16.6	2.42	18.2	2.75	18.5	2.78
	20	10.5	1.42	12.5	1.73	14.5	2.14	15.6	2.36	16.6	2.59	17.9	2.89	18.3	2.92
	21	10.5	1.44	12.5	1.78	14.5	2.21	15.5	2.45	16.6	2.70	17.8	2.96	18.2	2.97
	23	10.5	1.50	12.5	1.91	14.5	2.37	15.5	2.62	16.5	2.89	17.4	3.09	17.8	3.11
	25	10.5	1.60	12.5	2.05	14.5	2.54	15.5	2.81	16.5	3.09	17.2	3.22	17.6	3.25
	27	10.5	1.71	12.5	2.18	14.5	2.72	15.5	3.01	16.5	3.31	16.9	3.36	17.3	3.39
	29	10.5	1.83	12.5	2.33	14.5	2.91	15.5	3.22	16.3	3.47	16.7	3.50	17.1	3.52
	31	10.4	1.94	12.5	2.48	14.5	3.09	15.5	3.44	16.1	3.60	16.4	3.63	16.8	3.67
	33	10.4	2.06	12.4	2.65	14.4	3.31	15.5	3.67	15.8	3.73	16.2	3.77	16.6	3.80
	35	10.4	2.20	12.4	2.82	14.4	3.53	15.3	3.86	15.5	3.88	15.8	3.91	16.2	3.95
	37	10.1	2.33	12.0	3.00	14.0	3.76	14.6	4.00	14.7	4.01	15.1	4.05	15.5	4.09
	39	9.9	2.48	11.8	3.20	13.7	4.01	14.1	4.13	14.3	4.15	14.6	4.19	14.9	4.23
	42	9.9	2.63	11.8	3.40	13.7	4.25	13.9	4.27	14.1	4.28	14.4	4.34	14.6	4.36
	44	9.9	2.78	11.8	3.60	13.7	4.50	13.7	4.40	13.9	4.42	14.3	4.48	14.4	4.49
	46	9.9	2.93	11.8	3.79	13.7	4.74	13.5	4.54	13.7	4.56	14.1	4.61	14.1	4.62
100%	10	9.6	1.17	11.5	1.41	13.3	1.67	14.2	1.81	15.1	1.95	17.0	2.22	18.9	2.50
	12	9.6	1.19	11.5	1.45	13.3	1.71	14.2	1.84	15.1	1.98	16.9	2.26	18.9	2.55
	14	9.6	1.20	11.5	1.46	13.3	1.73	14.2	1.88	15.1	2.02	16.9	2.31	18.7	2.59
	16	9.6	1.22	11.4	1.50	13.3	1.77	14.2	1.92	15.1	2.06	16.9	2.35	18.4	2.62
	18	9.6	1.25	11.4	1.52	13.2	1.81	14.2	1.96	15.1	2.10	16.9	2.48	18.2	2.75
	20	9.5	1.28	11.4	1.56	13.2	1.86	14.1	2.05	15.1	2.25	16.9	2.68	17.9	2.89
	21	9.5	1.29	11.4	1.57	13.2	1.93	14.1	2.12	15.0	2.33	16.9	2.77	17.8	2.97
	23	9.5	1.33	11.4	1.67	13.2	2.07	14.1	2.27	15.0	2.50	16.8	2.97	17.5	3.09
	25	9.5	1.41	11.4	1.79	13.2	2.21	14.1	2.44	15.0	2.68	16.8	3.19	17.2	3.23
	27	9.5	1.50	11.4	1.91	13.2	2.36	14.1	2.60	15.0	2.86	16.6	3.35	17.0	3.36
	29	9.5	1.60	11.4	2.04	13.2	2.52	14.1	2.79	15.0	3.06	16.4	3.47	16.7	3.50
	31	9.5	1.71	11.4	2.17	13.2	2.70	14.1	2.97	15.0	3.27	16.1	3.61	16.5	3.63
	33	9.5	1.82	11.3	2.31	13.1	2.86	14.0	3.17	14.9	3.49	15.9	3.74	16.2	3.78
	35	9.5	1.93	11.3	2.46	13.1	3.06	14.0	3.41	14.9	3.73	15.5	3.88	15.9	3.91
	37	9.2	2.05	11.0	2.61	12.7	3.25	13.6	3.60	14.5	3.97	14.8	4.02	15.1	4.06
	39	9.0	2.17	10.7	2.78	12.5	3.47	13.3	3.85	14.0	4.12	14.3	4.16	14.6	4.19
	42	9.0	2.30	10.7	2.95	12.5	3.68	13.3	4.08	13.8	4.28	14.0	4.29	14.4	4.33
	44	9.0	2.43	10.7	3.11	12.5	3.90	13.3	4.32	13.6	4.45	13.7	4.43	14.3	4.46
	46	9.0	2.55	10.7	3.28	12.5	4.11	13.3	4.56	13.4	4.61	13.4	4.56	14.1	4.60

10. Capacity Table

AM050NXMD*R/EU

Cooling

TC : Total Capacity, PI : Power Input

Combi. (%)	Outdoor temperature (°C)	Indoor temperature (°C, WB)													
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
90%	10	8.6	1.05	10.3	1.26	12.0	1.49	12.8	1.60	13.6	1.72	15.3	1.96	17.0	2.21
	12	8.6	1.07	10.2	1.28	12.0	1.51	12.8	1.63	13.6	1.76	15.3	2.00	16.9	2.26
	14	8.6	1.07	10.2	1.31	12.0	1.55	12.8	1.67	13.6	1.79	15.3	2.05	16.9	2.31
	16	8.6	1.10	10.2	1.33	11.9	1.57	12.8	1.70	13.6	1.83	15.3	2.08	16.9	2.34
	18	8.6	1.12	10.2	1.35	11.9	1.60	12.7	1.72	13.6	1.86	15.3	2.12	16.9	2.48
	20	8.6	1.14	10.2	1.38	11.9	1.63	12.7	1.77	13.5	1.94	15.3	2.28	16.9	2.67
	21	8.6	1.15	10.2	1.39	11.9	1.67	12.7	1.83	13.5	1.99	15.2	2.37	16.9	2.76
	23	8.6	1.18	10.2	1.45	11.9	1.77	12.7	1.96	13.5	2.14	15.2	2.54	16.8	2.97
	25	8.6	1.23	10.2	1.55	11.9	1.90	12.7	2.09	13.5	2.29	15.2	2.72	16.8	3.19
	27	8.6	1.32	10.2	1.65	11.9	2.03	12.7	2.23	13.5	2.45	15.2	2.91	16.6	3.35
	29	8.5	1.39	10.2	1.76	11.9	2.16	12.7	2.38	13.5	2.61	15.2	3.10	16.4	3.47
	31	8.5	1.49	10.1	1.88	11.9	2.31	12.7	2.54	13.5	2.79	15.2	3.32	16.1	3.61
	33	8.5	1.58	10.1	1.99	11.8	2.46	12.6	2.71	13.4	2.97	15.2	3.54	15.9	3.74
	35	8.5	1.67	10.1	2.12	11.8	2.62	12.6	2.89	13.4	3.18	15.1	3.78	15.5	3.88
	37	8.3	1.77	9.8	2.26	11.5	2.79	12.2	3.09	13.0	3.38	14.6	3.99	14.8	4.02
	39	8.1	1.88	9.6	2.39	11.2	2.97	12.0	3.28	12.7	3.60	14.0	4.12	14.3	4.16
	42	8.1	1.99	9.6	2.53	11.2	3.15	12.0	3.47	12.7	3.83	13.7	4.26	14.0	4.29
	44	8.1	2.10	9.6	2.66	11.2	3.34	12.0	3.68	12.7	4.05	13.4	4.39	13.7	4.43
	46	8.1	2.21	9.6	2.80	11.2	3.52	12.0	3.87	12.7	4.27	13.1	4.53	13.4	4.56
80%	10	7.7	0.93	9.2	1.11	10.7	1.30	11.4	1.40	12.1	1.50	13.6	1.71	15.0	1.94
	12	7.7	0.95	9.2	1.12	10.7	1.33	11.4	1.43	12.1	1.54	13.6	1.75	15.0	1.97
	14	7.7	0.95	9.1	1.15	10.6	1.35	11.4	1.45	12.1	1.56	13.6	1.78	15.0	2.01
	16	7.7	0.97	9.1	1.18	10.6	1.38	11.3	1.48	12.0	1.59	13.6	1.83	15.0	2.05
	18	7.6	0.99	9.1	1.19	10.6	1.40	11.3	1.51	12.0	1.62	13.6	1.85	15.0	2.09
	20	7.6	1.01	9.1	1.21	10.6	1.43	11.3	1.55	12.0	1.66	13.5	1.93	15.0	2.23
	21	7.6	1.01	9.1	1.22	10.6	1.45	11.3	1.56	12.0	1.69	13.5	1.99	14.9	2.32
	23	7.6	1.04	9.1	1.24	10.6	1.51	11.3	1.66	12.0	1.81	13.5	2.13	14.9	2.48
	25	7.6	1.07	9.1	1.33	10.6	1.61	11.3	1.77	12.0	1.94	13.5	2.28	14.9	2.66
	27	7.6	1.13	9.1	1.42	10.6	1.72	11.3	1.89	12.0	2.07	13.5	2.44	14.9	2.84
	29	7.6	1.20	9.1	1.50	10.6	1.83	11.3	2.02	12.0	2.21	13.5	2.60	14.9	3.04
	31	7.6	1.28	9.1	1.60	10.5	1.96	11.2	2.15	12.0	2.35	13.5	2.78	14.9	3.24
	33	7.6	1.36	9.1	1.71	10.5	2.08	11.2	2.29	11.9	2.50	13.4	2.97	14.8	3.47
	35	7.6	1.45	9.0	1.81	10.5	2.21	11.2	2.44	11.9	2.67	13.4	3.16	14.8	3.70
	37	7.3	1.53	8.8	1.92	10.2	2.36	10.9	2.59	11.5	2.84	13.0	3.36	14.4	3.95
	39	7.2	1.62	8.6	2.04	10.0	2.50	10.6	2.75	11.3	3.03	12.7	3.59	14.0	4.12
	42	7.2	1.71	8.6	2.16	10.0	2.65	10.6	2.92	11.3	3.22	12.7	3.81	13.9	4.31
	44	7.2	1.82	8.6	2.27	10.0	2.79	10.6	3.09	11.3	3.41	12.7	4.03	13.8	4.49
	46	7.2	1.91	8.6	2.39	10.0	2.93	10.6	3.25	11.3	3.60	12.7	4.25	13.7	4.67
70%	10	6.7	0.82	8.0	0.96	9.3	1.12	10.0	1.21	10.6	1.30	11.9	1.47	13.2	1.66
	12	6.7	0.82	8.0	0.98	9.3	1.15	9.9	1.23	10.6	1.33	11.9	1.50	13.2	1.69
	14	6.7	0.84	8.0	1.00	9.3	1.17	9.9	1.26	10.5	1.34	11.9	1.53	13.2	1.71
	16	6.7	0.85	8.0	1.01	9.3	1.19	9.9	1.28	10.5	1.37	11.8	1.56	13.2	1.76
	18	6.7	0.86	8.0	1.04	9.3	1.21	9.9	1.30	10.5	1.39	11.8	1.59	13.1	1.79
	20	6.7	0.88	8.0	1.06	9.3	1.23	9.9	1.33	10.5	1.43	11.8	1.62	13.1	1.83
	21	6.7	0.89	8.0	1.07	9.2	1.24	9.9	1.33	10.5	1.45	11.8	1.65	13.1	1.91
	23	6.7	0.90	8.0	1.08	9.2	1.27	9.9	1.39	10.5	1.50	11.8	1.77	13.1	2.05
	25	6.7	0.92	8.0	1.12	9.2	1.35	9.9	1.48	10.5	1.61	11.8	1.88	13.1	2.19
	27	6.7	0.97	7.9	1.20	9.2	1.45	9.9	1.58	10.5	1.71	11.8	2.01	13.1	2.34
	29	6.6	1.03	7.9	1.28	9.2	1.54	9.9	1.68	10.5	1.83	11.8	2.15	13.1	2.49
	31	6.6	1.09	7.9	1.35	9.2	1.64	9.8	1.79	10.4	1.95	11.8	2.29	13.1	2.66
	33	6.6	1.17	7.9	1.44	9.2	1.74	9.8	1.90	10.4	2.08	11.7	2.44	13.0	2.84
	35	6.6	1.22	7.9	1.52	9.2	1.84	9.8	2.02	10.4	2.21	11.7	2.59	13.0	3.02
	37	6.4	1.30	7.7	1.61	8.9	1.96	9.5	2.15	10.1	2.34	11.4	2.76	12.6	3.22
	39	6.3	1.38	7.5	1.71	8.7	2.08	9.3	2.28	9.9	2.49	11.1	2.94	12.4	3.43
	42	6.3	1.45	7.5	1.81	8.7	2.21	9.3	2.42	9.9	2.65	11.1	3.11	12.4	3.64
	44	6.3	1.54	7.5	1.90	8.7	2.32	9.3	2.55	9.9	2.80	11.1	3.29	12.4	3.85
	46	6.3	1.61	7.5	1.99	8.7	2.44	9.3	2.69	9.9	2.95	11.1	3.47	12.4	4.07
60%	10	5.8	0.70	6.9	0.83	8.0	0.95	8.5	1.03	9.1	1.10	10.2	1.24	11.3	1.39
	12	5.8	0.72	6.9	0.84	8.0	0.97	8.5	1.05	9.1	1.12	10.1	1.27	11.3	1.42
	14	5.7	0.73	6.9	0.85	8.0	1.00	8.5	1.07	9.1	1.14	10.1	1.29	11.2	1.45
	16	5.7	0.73	6.8	0.87	7.9	1.01	8.5	1.08	9.1	1.16	10.1	1.32	11.2	1.47
	18	5.7	0.75	6.8	0.89	7.9	1.03	8.5	1.10	9.1	1.18	10.1	1.33	11.2	1.50
	20	5.7	0.76	6.8	0.90	7.9	1.05	8.5	1.12	9.0	1.20	10.1	1.36	11.2	1.53
	21	5.7	0.77	6.8	0.91	7.9	1.06	8.5	1.13	9.0	1.21	10.1	1.38	11.2	1.55
	23	5.7	0.79	6.8	0.93	7.9	1.07	8.5	1.16	9.0	1.23	10.1	1.44	11.2	1.65
	25	5.7	0.79	6.8	0.95	7.9	1.12	8.5	1.21	9.0	1.32	10.1	1.53	11.2	1.76
	27	5.7	0.82	6.8	1.00	7.9	1.19	8.5	1.29	9.0	1.40	10.1	1.63	11.2	1.88
	29	5.7	0.87	6.8	1.07	7.9	1.27	8.4	1.38	9.0	1.49	10.1	1.73	11.2	1.99
	31	5.7	0.93	6.8	1.12	7.9	1.34	8.4	1.46	9.0	1.58	10.0	1.84	11.1	2.13
	33	5.7	0.97	6.8	1.19	7.9	1.43	8.4	1.56	9.0	1.69	10.0	1.96	11.1	2.26
	35	5.7	1.03	6.8	1.26	7.9	1.51	8.4	1.65	9.0	1.79	10.0	2.09	11.1	2.42
	37	5.5	1.09	6.6	1.33	7.6	1.61	8.2	1.75	8.7	1.90	9.7	2.22	10.8	2.57
	39	5.4	1.16	6.4	1.41	7.5	1.71	8.0	1.85	8.5	2.02	9.5	2.36	10.6	2.73
	42	5.4	1.22	6.4	1.48	7.5	1.80	8.0	1.96	8.5	2.14	9.5	2.49	10.6	2.90
	44	5.4	1.28	6.4	1.56	7.5	1.89	8.0	2.06	8.5	2.26	9.5	2.63	10.6	3.07
	46	5.4	1.34	6.4	1.62	7.5	1.99	8.0	2.16	8.5	2.37	9.5	2.76	10.6	3.23

10. Capacity Table

AM050NXMD*R/EU

Cooling

TC : Total Capacity, PI : Power Input

Combi. (%)	Outdoor temperature (°C)	Indoor temperature (°C, WB)													
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
50%	10	4.8	0.61	5.7	0.70	6.6	0.81	7.1	0.85	7.6	0.91	8.5	1.03	9.4	1.14
	12	4.8	0.62	5.7	0.71	6.6	0.82	7.1	0.87	7.6	0.93	8.5	1.05	9.4	1.17
	14	4.8	0.63	5.7	0.73	6.6	0.83	7.1	0.89	7.6	0.95	8.5	1.07	9.4	1.18
	16	4.8	0.63	5.7	0.73	6.6	0.84	7.1	0.90	7.6	0.95	8.5	1.07	9.4	1.20
	18	4.8	0.64	5.7	0.74	6.6	0.85	7.1	0.92	7.5	0.97	8.5	1.10	9.4	1.22
	20	4.8	0.65	5.7	0.76	6.6	0.87	7.1	0.94	7.5	0.99	8.5	1.12	9.4	1.25
	21	4.8	0.66	5.7	0.77	6.6	0.88	7.1	0.95	7.5	1.00	8.5	1.13	9.4	1.26
	23	4.8	0.67	5.7	0.78	6.6	0.90	7.1	0.95	7.5	1.02	8.4	1.15	9.4	1.29
	25	4.8	0.68	5.7	0.79	6.6	0.91	7.1	0.97	7.5	1.06	8.4	1.21	9.3	1.38
	27	4.8	0.69	5.7	0.82	6.6	0.95	7.0	1.04	7.5	1.12	8.4	1.28	9.3	1.46
	29	4.7	0.73	5.7	0.86	6.6	1.02	7.0	1.10	7.5	1.19	8.4	1.37	9.3	1.56
	31	4.7	0.77	5.7	0.92	6.6	1.08	7.0	1.18	7.5	1.26	8.4	1.45	9.3	1.67
	33	4.7	0.81	5.7	0.97	6.6	1.15	7.0	1.24	7.5	1.33	8.4	1.55	9.3	1.77
	35	4.7	0.85	5.6	1.03	6.5	1.21	7.0	1.32	7.5	1.42	8.4	1.64	9.3	1.88
	37	4.6	0.90	5.5	1.08	6.3	1.28	6.8	1.39	7.2	1.50	8.1	1.74	9.0	1.99
	39	4.5	0.95	5.4	1.15	6.2	1.36	6.7	1.47	7.1	1.59	8.0	1.84	8.8	2.11
	42	4.5	1.00	5.4	1.21	6.2	1.45	6.7	1.56	7.1	1.68	8.0	1.95	8.8	2.23
	44	4.5	1.05	5.4	1.28	6.2	1.52	6.7	1.63	7.1	1.77	8.0	2.05	8.8	2.35
	46	4.5	1.09	5.4	1.33	6.2	1.60	6.7	1.71	7.1	1.85	8.0	2.16	8.8	2.47

NOTE

- The performance table shows the average value of each conditions.

10. Capacity Table

AM050NXMD*R/EU

Heating

TC : Total Capacity, PI : Power Input

Combi. (%)	Outdoor temperature (°C)		Indoor temperature (°C, DB)									
			16		18		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	DB	WB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	-25	-24	9.7	4.78	9.7	5.02	9.8	5.27	9.9	5.52	9.9	5.77
	-22	-23	10.8	5.05	10.7	5.31	10.9	5.58	10.9	5.77	10.8	5.95
	-20	-21	11.4	5.23	11.3	5.44	11.3	5.61	11.3	5.80	11.2	5.98
	-17	-18	12.5	5.30	12.4	5.48	12.4	5.65	12.3	5.84	12.3	6.02
	-15	-16	13.1	5.33	13.1	5.51	13.0	5.68	13.0	5.87	13.0	6.05
	-12	-13	13.8	5.37	13.7	5.55	13.7	5.73	13.7	5.91	13.6	6.09
	-10	-11	14.4	5.40	14.4	5.57	14.4	5.75	14.3	5.94	14.3	6.12
	-7	-8	15.7	5.44	15.6	5.62	15.6	5.80	15.5	5.98	15.5	6.16
	-5	-6	16.3	5.47	16.3	5.64	16.2	5.82	16.2	6.01	16.2	6.19
	-3	-4	16.9	5.50	16.9	5.67	16.9	5.85	16.8	6.04	16.8	6.21
	0	-1	17.9	5.54	17.9	5.72	17.8	5.89	17.8	6.08	17.8	5.75
	3	2.2	19.0	5.58	18.9	5.76	18.9	5.93	18.9	5.95	18.6	5.09
	5	4.1	19.6	5.61	19.6	5.79	19.5	5.96	19.5	5.47	18.6	4.70
	7	6	20.2	5.64	20.2	5.82	20.2	5.92	20.1	5.03	18.6	4.35
	9	7.9	20.9	5.66	20.8	5.84	20.8	5.42	20.1	4.64	18.6	4.04
	11	9.8	21.5	5.69	21.4	5.81	21.4	4.96	20.1	4.28	18.6	3.77
	13	12	22.2	5.72	22.2	5.34	21.4	4.54	20.1	3.96	18.6	3.53
	15	14	22.9	5.70	22.8	4.91	21.4	4.15	20.1	3.67	18.6	3.29
120%	-25	-24	9.6	4.82	9.7	5.05	9.8	5.31	9.8	5.52	9.8	5.74
	-22	-23	10.7	5.11	10.7	5.36	10.8	5.63	10.8	5.80	10.8	5.96
	-20	-21	11.3	5.29	11.3	5.49	11.3	5.67	11.2	5.83	11.2	5.98
	-17	-18	12.4	5.34	12.4	5.53	12.3	5.71	12.3	5.87	12.3	6.03
	-15	-16	13.1	5.37	13.0	5.56	13.0	5.74	13.0	5.90	12.9	6.06
	-12	-13	13.7	5.42	13.7	5.60	13.7	5.78	13.6	5.94	13.6	6.10
	-10	-11	14.4	5.44	14.3	5.63	14.3	5.81	14.3	5.97	14.2	6.13
	-7	-8	15.6	5.49	15.6	5.67	15.5	5.85	15.5	6.01	15.5	6.17
	-5	-6	16.3	5.51	16.2	5.70	16.2	5.88	16.2	6.04	16.1	6.04
	-3	-4	16.9	5.54	16.9	5.73	16.8	5.91	16.8	6.07	16.8	5.58
	0	-1	17.9	5.58	17.8	5.77	17.8	5.95	17.8	5.75	17.2	4.95
	3	2.2	18.9	5.62	18.9	5.81	18.9	5.91	18.5	5.08	17.2	4.40
	5	4.1	19.6	5.65	19.5	5.84	19.5	5.45	18.5	4.68	17.2	4.08
	7	6	20.2	5.68	20.1	5.73	19.8	5.00	18.5	4.32	17.2	3.80
	9	7.9	20.8	5.71	20.8	5.29	19.8	4.59	18.5	4.00	17.2	3.56
	11	9.8	21.4	5.56	21.0	4.87	19.8	4.22	18.5	3.72	17.2	3.35
	13	12	22.2	5.15	21.0	4.47	19.8	3.87	18.5	3.46	17.2	3.15
	15	14	22.4	4.74	21.0	4.12	19.8	3.57	18.5	3.23	17.2	2.96
110%	-25	-24	9.6	4.85	9.6	5.09	9.7	5.34	9.7	5.52	9.7	5.72
	-22	-23	10.7	5.15	10.6	5.41	10.7	5.67	10.8	5.83	10.6	5.96
	-20	-21	11.3	5.34	11.2	5.54	11.2	5.73	11.2	5.86	11.1	5.99
	-17	-18	12.4	5.39	12.3	5.58	12.3	5.77	12.3	5.90	12.2	6.04
	-15	-16	13.0	5.42	13.0	5.61	13.0	5.80	12.9	5.93	12.9	6.06
	-12	-13	13.7	5.46	13.6	5.65	13.6	5.84	13.6	5.97	13.6	6.11
	-10	-11	14.3	5.49	14.3	5.68	14.3	5.87	14.2	6.00	14.2	6.13
	-7	-8	15.6	5.53	15.5	5.72	15.5	5.91	15.5	6.05	15.4	5.63
	-5	-6	16.2	5.56	16.2	5.75	16.1	5.94	16.1	5.97	15.8	5.20
	-3	-4	16.8	5.58	16.8	5.78	16.8	5.97	16.7	5.55	15.8	4.80
	0	-1	17.8	5.63	17.8	5.82	17.8	5.69	17.0	4.91	15.8	4.27
	3	2.2	18.9	5.67	18.8	5.66	18.1	5.03	17.0	4.35	15.8	3.81
	5	4.1	19.5	5.69	19.3	5.23	18.1	4.62	17.0	4.02	15.8	3.56
	7	6	20.1	5.43	19.3	4.81	18.1	4.24	17.0	3.73	15.8	3.35
	9	7.9	20.5	5.00	19.3	4.41	18.1	3.91	17.0	3.47	15.8	3.15
	11	9.8	20.5	4.59	19.3	4.06	18.1	3.60	17.0	3.25	15.8	2.97
	13	12	20.5	4.22	19.3	3.75	18.1	3.34	17.0	3.05	15.8	2.81
	15	14	20.5	3.89	19.3	3.47	18.1	3.11	17.0	2.87	15.8	2.66
100%	-25	-24	9.5	4.89	9.5	5.12	9.6	5.37	9.6	5.53	9.6	5.69
	-22	-23	10.5	5.19	10.6	5.45	10.7	5.71	10.7	5.86	10.6	5.97
	-20	-21	11.2	5.38	11.2	5.59	11.2	5.79	11.1	5.89	11.1	5.99
	-17	-18	12.3	5.43	12.3	5.63	12.1	5.83	12.2	5.93	12.2	6.04
	-15	-16	13.0	5.46	12.9	5.66	12.8	5.86	12.9	5.96	12.9	6.07
	-12	-13	13.6	5.50	13.6	5.70	13.5	5.90	13.5	6.01	13.5	5.91
	-10	-11	14.3	5.53	14.3	5.73	14.1	5.93	14.2	6.03	14.2	5.47
	-7	-8	15.5	5.57	15.5	5.77	15.1	5.97	15.4	5.58	14.3	4.84
	-5	-6	16.2	5.60	16.1	5.80	15.8	5.90	15.5	5.15	14.3	4.46
	-3	-4	16.8	5.63	16.8	5.83	16.0	5.48	15.5	4.74	14.3	4.12
	0	-1	17.8	5.67	17.5	5.38	16.0	4.84	15.5	4.19	14.3	3.68
	3	2.2	18.6	5.29	17.5	4.74	16.0	4.26	15.5	3.73	14.3	3.32
	5	4.1	18.6	4.85	17.5	4.34	16.0	3.91	15.5	3.46	14.3	3.12
	7	6	18.6	4.43	17.5	3.98	16.0	3.60	15.5	3.23	14.3	2.94
	9	7.9	18.6	4.06	17.5	3.66	16.2	3.33	15.5	3.02	14.3	2.78
	11	9.8	18.6	3.72	17.5	3.38	16.2	3.09	15.5	2.84	14.3	2.64
	13	12	18.6	3.42	17.5	3.12	16.2	2.89	15.5	2.68	14.3	2.52
	15	14	18.6	3.15	17.5	2.91	16.2	2.72	15.5	2.55	14.3	2.39

10. Capacity Table

AM050NXMD*R/EU

Heating

TC : Total Capacity, PI : Power Input

Combi. (%)	Outdoor temperature (°C)		Indoor temperature (°C, DB)									
			16		18		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	DB	WB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
90%	-25	-24	9.6	4.88	9.5	5.08	9.6	5.30	9.7	5.47	9.9	5.64
	-22	-23	10.7	5.18	10.7	5.41	10.6	5.58	10.6	5.65	10.6	5.73
	-20	-21	11.2	5.26	11.1	5.44	11.1	5.61	11.1	5.68	11.1	5.75
	-17	-18	12.3	5.31	12.2	5.48	12.2	5.65	12.2	5.73	12.2	5.78
	-15	-16	12.9	5.33	12.9	5.51	12.9	5.68	12.8	5.75	12.8	5.55
	-12	-13	13.6	5.38	13.6	5.55	13.5	5.73	13.5	5.56	12.9	4.93
	-10	-11	14.2	5.41	14.2	5.58	14.2	5.71	13.9	5.14	12.9	4.55
	-7	-8	15.5	5.45	15.4	5.56	14.8	5.16	13.9	4.57	12.9	4.05
	-5	-6	16.1	5.47	15.8	5.22	14.8	4.76	13.9	4.22	12.9	3.76
	-3	-4	16.7	5.27	15.8	4.81	14.8	4.39	13.9	3.91	12.9	3.50
	0	-1	16.8	4.67	15.8	4.26	14.8	3.91	13.9	3.50	12.9	3.18
	3	2.2	16.8	4.13	15.8	3.79	14.8	3.49	13.9	3.17	12.9	2.91
	5	4.1	16.8	3.82	15.8	3.52	14.8	3.25	13.9	2.98	12.9	2.76
	7	6	16.8	3.54	15.8	3.27	14.8	3.05	13.9	2.81	12.9	2.61
	9	7.9	16.8	3.30	15.8	3.07	14.8	2.85	13.9	2.65	12.9	2.48
	11	9.8	16.8	3.08	15.8	2.87	14.8	2.67	13.9	2.50	12.9	2.36
	13	12	16.8	2.88	15.8	2.69	14.8	2.52	13.9	2.38	12.9	2.25
	15	14	16.8	2.70	15.8	2.54	14.8	2.39	13.9	2.27	12.9	2.15
80%	-25	-24	9.6	4.87	9.7	5.05	9.7	5.24	9.9	5.40	9.8	5.44
	-22	-23	10.7	5.11	10.6	5.26	10.6	5.41	10.6	5.45	10.6	5.48
	-20	-21	11.1	5.14	11.1	5.29	11.1	5.44	11.1	5.47	11.0	5.50
	-17	-18	12.2	5.18	12.2	5.33	12.2	5.48	12.1	5.46	11.5	4.99
	-15	-16	12.9	5.21	12.8	5.36	12.8	5.51	12.4	5.12	11.5	4.61
	-12	-13	13.5	5.25	13.5	5.36	13.2	5.03	12.4	4.54	11.5	4.09
	-10	-11	14.2	5.27	14.0	5.03	13.2	4.65	12.4	4.19	11.5	3.79
	-7	-8	14.8	4.84	14.0	4.46	13.2	4.13	12.4	3.74	11.5	3.41
	-5	-6	14.8	4.46	14.0	4.12	13.2	3.83	12.4	3.49	11.5	3.20
	-3	-4	14.8	4.11	14.0	3.82	13.2	3.56	12.4	3.26	11.5	3.02
	0	-1	14.8	3.67	14.0	3.43	13.2	3.22	12.4	2.97	11.5	2.77
	3	2.2	14.8	3.31	14.0	3.11	13.2	2.93	12.4	2.74	11.5	2.56
	5	4.1	14.8	3.10	14.0	2.93	13.2	2.77	12.4	2.59	11.5	2.44
	7	6	14.8	2.93	14.0	2.77	13.2	2.61	12.4	2.45	11.5	2.31
	9	7.9	14.8	2.77	14.0	2.61	13.2	2.46	12.4	2.32	11.5	2.19
	11	9.8	14.8	2.61	14.0	2.46	13.2	2.31	12.4	2.20	11.5	2.09
	13	12	14.8	2.47	14.0	2.33	13.2	2.20	12.4	2.10	11.5	2.00
	15	14	14.8	2.35	14.0	2.22	13.2	2.09	12.4	2.00	11.5	1.91
70%	-25	-24	9.8	4.94	9.9	5.02	9.7	5.07	9.7	5.03	9.4	4.99
	-22	-23	10.6	5.01	10.7	5.06	10.5	5.12	10.4	5.07	10.1	4.99
	-20	-21	11.1	5.04	11.1	5.09	11.0	5.15	10.8	5.03	10.1	4.66
	-17	-18	12.2	5.08	12.1	5.13	11.5	4.92	10.8	4.51	10.1	4.13
	-15	-16	12.8	5.11	12.3	4.87	11.5	4.53	10.8	4.15	10.1	3.82
	-12	-13	13.0	4.62	12.3	4.31	11.5	4.02	10.8	3.70	10.1	3.41
	-10	-11	13.0	4.26	12.3	3.98	11.5	3.72	10.8	3.44	10.1	3.18
	-7	-8	13.0	3.78	12.3	3.55	11.5	3.35	10.8	3.11	10.1	2.90
	-5	-6	13.0	3.51	12.3	3.31	11.5	3.13	10.8	2.92	10.1	2.74
	-3	-4	13.0	3.27	12.3	3.10	11.5	2.94	10.8	2.76	10.1	2.59
	0	-1	13.0	2.97	12.3	2.83	11.5	2.69	10.8	2.54	10.1	2.40
	3	2.2	13.0	2.73	12.3	2.61	11.5	2.49	10.8	2.35	10.1	2.23
	5	4.1	13.0	2.60	12.3	2.48	11.5	2.35	10.8	2.23	10.1	2.12
	7	6	13.0	2.47	12.3	2.34	11.5	2.22	10.8	2.11	10.1	2.00
	9	7.9	13.0	2.33	12.3	2.22	11.5	2.10	10.8	2.00	10.1	1.90
	11	9.8	13.0	2.21	12.3	2.10	11.5	1.99	10.8	1.91	10.1	1.82
	13	12	13.0	2.12	12.3	2.00	11.5	1.90	10.8	1.82	10.1	1.74
	15	14	13.0	2.02	12.3	1.91	11.5	1.79	10.8	1.73	10.1	1.66
60%	-25	-24	9.8	4.90	9.5	4.78	9.1	4.66	8.7	4.50	8.2	4.34
	-22	-23	10.5	4.95	10.3	4.83	9.9	4.71	9.3	4.42	8.6	4.11
	-20	-21	11.0	4.97	10.5	4.70	9.9	4.41	9.3	4.09	8.6	3.79
	-17	-18	11.1	4.43	10.5	4.15	9.9	3.89	9.3	3.63	8.6	3.38
	-15	-16	11.1	4.08	10.5	3.83	9.9	3.59	9.3	3.36	8.6	3.14
	-12	-13	11.1	3.62	10.5	3.41	9.9	3.21	9.3	3.02	8.6	2.83
	-10	-11	11.1	3.35	10.5	3.17	9.9	3.01	9.3	2.83	8.6	2.66
	-7	-8	11.1	3.02	10.5	2.87	9.9	2.74	9.3	2.59	8.6	2.44
	-5	-6	11.1	2.83	10.5	2.71	9.9	2.58	9.3	2.45	8.6	2.31
	-3	-4	11.1	2.67	10.5	2.56	9.9	2.45	9.3	2.31	8.6	2.19
	0	-1	11.1	2.46	10.5	2.35	9.9	2.26	9.3	2.14	8.6	2.03
	3	2.2	11.1	2.27	10.5	2.18	9.9	2.08	9.3	1.98	8.6	1.88
	5	4.1	11.1	2.16	10.5	2.06	9.9	1.96	9.3	1.87	8.6	1.78
	7	6	11.1	2.04	10.5	1.95	9.9	1.86	9.3	1.77	8.6	1.69
	9	7.9	11.1	1.94	10.5	1.85	9.9	1.76	9.3	1.69	8.6	1.61
	11	9.8	11.1	1.85	10.5	1.77	9.9	1.68	9.3	1.61	8.6	1.54
	13	12	11.1	1.77	10.5	1.68	9.9	1.60	9.3	1.54	8.6	1.47
	15	14	11.1	1.69	10.5	1.60	9.9	1.52	9.3	1.46	8.6	1.41

10. Capacity Table

AM050NXMD*R/EU

Heating

TC : Total Capacity, PI : Power Input

Combi. (%)	Outdoor temperature (°C)		Indoor temperature (°C, DB)									
			16		18		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	DB	WB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
50%	-25	-24	9.3	4.84	8.8	4.55	8.2	4.26	7.7	3.97	7.2	3.68
	-22	-23	9.3	4.25	8.8	3.99	8.2	3.73	7.7	3.49	7.2	3.25
	-20	-21	9.3	3.89	8.8	3.66	8.2	3.43	7.7	3.22	7.2	3.01
	-17	-18	9.3	3.43	8.8	3.23	8.2	3.04	7.7	2.87	7.2	2.70
	-15	-16	9.3	3.17	8.8	2.99	8.2	2.82	7.7	2.67	7.2	2.52
	-12	-13	9.3	2.84	8.8	2.71	8.2	2.56	7.7	2.44	7.2	2.31
	-10	-11	9.3	2.66	8.8	2.54	8.2	2.42	7.7	2.30	7.2	2.19
	-7	-8	9.3	2.45	8.8	2.33	8.2	2.22	7.7	2.12	7.2	2.01
	-5	-6	9.3	2.31	8.8	2.21	8.2	2.12	7.7	2.01	7.2	1.90
	-3	-4	9.3	2.18	8.8	2.09	8.2	2.00	7.7	1.91	7.2	1.81
	0	-1	9.3	2.01	8.8	1.93	8.2	1.85	7.7	1.76	7.2	1.67
	3	2.2	9.3	1.85	8.8	1.77	8.2	1.69	7.7	1.62	7.2	1.54
	5	4.1	9.3	1.75	8.8	1.67	8.2	1.60	7.7	1.53	7.2	1.46
	7	6	9.3	1.65	8.8	1.59	8.2	1.53	7.7	1.46	7.2	1.39
	9	7.9	9.3	1.59	8.8	1.52	8.2	1.45	7.7	1.39	7.2	1.32
	11	9.8	9.3	1.52	8.8	1.45	8.2	1.38	7.7	1.32	7.2	1.26
	13	12	9.3	1.44	8.8	1.38	8.2	1.31	7.7	1.26	7.2	1.21
	15	14	9.3	1.37	8.8	1.31	8.2	1.24	7.7	1.20	7.2	1.15

NOTE

- The performance table shows the average value of each conditions.

10. Capacity Table

AM060NXMD*R/EU

Cooling

TC : Total Capacity, PI : Power Input

Combination, % (Capacityy index)	Outdoor temperature (°C, DB)	Indoor temperature (°C, WB)													
		14		16		18		19		20		22		24	
		TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
130%	10	13.8	1.90	16.4	2.33	19.1	2.77	20.5	2.99	20.7	2.93	21.2	2.81	21.7	2.67
	12	13.8	1.94	16.4	2.37	19.1	2.82	20.2	2.97	20.4	2.91	20.9	2.79	21.4	2.74
	14	13.8	1.97	16.4	2.41	19.0	2.87	19.9	2.96	20.2	2.89	20.7	2.87	21.2	2.89
	16	13.8	2.01	16.4	2.47	19.0	2.93	19.6	2.98	19.8	3.00	20.3	3.03	20.9	3.06
	18	13.8	2.05	16.4	2.51	19.0	3.12	19.3	3.14	19.5	3.15	20.0	3.18	20.5	3.21
	20	13.7	2.09	16.4	2.67	18.8	3.28	19.0	3.29	19.3	3.31	19.8	3.34	20.3	3.37
	21	13.7	2.16	16.4	2.77	18.7	3.35	18.9	3.37	19.2	3.38	19.6	3.41	20.1	3.45
	23	13.7	2.30	16.3	2.97	18.4	3.51	18.6	3.53	18.9	3.55	19.4	3.57	19.9	3.60
	25	13.7	2.46	16.3	3.18	18.0	3.66	18.3	3.68	18.5	3.69	19.0	3.73	19.5	3.77
	27	13.7	2.64	16.3	3.40	17.8	3.81	18.0	3.83	18.3	3.85	18.8	3.88	19.2	3.93
	29	13.7	2.81	16.3	3.64	17.5	3.97	17.8	3.99	18.0	4.01	18.5	4.05	19.0	4.08
	31	13.7	2.99	16.3	3.88	17.3	4.12	17.5	4.14	17.7	4.17	18.2	4.21	18.7	4.25
	33	13.6	3.19	16.3	4.15	17.0	4.28	17.2	4.29	17.5	4.32	18.0	4.37	18.5	4.41
	35	13.6	3.39	16.1	4.38	16.6	4.44	16.9	4.46	17.1	4.48	17.6	4.53	18.1	4.58
	37	13.2	3.44	15.4	4.31	15.9	4.36	16.1	4.38	16.4	4.41	16.8	4.46	17.3	4.50
	39	12.9	3.47	14.8	4.23	15.3	4.27	15.5	4.30	15.8	4.32	16.3	4.37	16.7	4.42
	42	12.9	3.67	14.5	4.37	15.0	4.42	15.2	4.45	15.5	4.47	16.1	4.52	16.5	4.57
	44	12.9	3.87	14.3	4.51	14.7	4.56	14.9	4.60	15.2	4.62	15.9	4.67	16.3	4.71
	46	12.9	4.08	14.0	4.66	14.4	4.70	14.6	4.75	14.9	4.77	15.7	4.82	16.2	4.87
120%	10	12.8	1.74	15.2	2.13	17.7	2.52	18.9	2.73	20.1	2.93	20.8	2.89	21.3	2.78
	12	12.8	1.76	15.2	2.17	17.6	2.57	18.9	2.78	20.1	2.99	20.6	2.87	21.0	2.76
	14	12.8	1.80	15.2	2.20	17.6	2.63	18.8	2.84	19.9	2.97	20.3	2.87	20.8	2.87
	16	12.8	1.84	15.2	2.25	17.6	2.67	18.8	2.88	19.5	2.98	20.0	3.01	20.4	3.04
	18	12.7	1.87	15.2	2.29	17.6	2.77	18.8	3.07	19.2	3.13	19.7	3.16	20.1	3.18
	20	12.7	1.91	15.2	2.38	17.6	2.97	18.8	3.28	19.0	3.29	19.4	3.32	19.9	3.34
	21	12.7	1.93	15.1	2.47	17.6	3.08	18.6	3.35	18.8	3.37	19.3	3.39	19.8	3.42
	23	12.7	2.06	15.1	2.64	17.5	3.30	18.4	3.50	18.6	3.52	19.0	3.56	19.5	3.57
	25	12.7	2.19	15.1	2.83	17.5	3.54	18.0	3.66	18.2	3.68	18.7	3.70	19.1	3.74
	27	12.7	2.35	15.1	3.03	17.5	3.79	17.7	3.80	18.0	3.82	18.4	3.86	18.9	3.89
	29	12.7	2.50	15.1	3.23	17.2	3.95	17.5	3.97	17.7	3.98	18.1	4.02	18.6	4.06
	31	12.7	2.67	15.1	3.45	17.0	4.09	17.2	4.12	17.4	4.14	17.9	4.18	18.3	4.22
	33	12.6	2.85	15.1	3.68	16.7	4.25	16.9	4.27	17.2	4.29	17.6	4.33	18.1	4.38
	35	12.6	3.03	15.0	3.92	16.4	4.41	16.6	4.43	16.8	4.46	17.3	4.49	17.7	4.54
	37	12.2	3.06	14.6	3.97	15.6	4.33	15.8	4.36	16.0	4.38	16.5	4.42	17.0	4.47
	39	12.0	3.09	14.3	4.01	15.0	4.24	15.3	4.26	15.5	4.29	15.9	4.33	16.3	4.38
	42	12.0	3.28	14.3	4.26	14.7	4.39	15.1	4.41	15.3	4.44	15.6	4.47	16.1	4.53
	44	12.0	3.47	14.3	4.51	14.4	4.53	14.9	4.55	15.1	4.57	15.3	4.62	15.8	4.68
	46	12.0	3.65	14.3	4.76	14.2	4.67	14.7	4.70	14.9	4.71	15.0	4.75	15.5	4.83
110%	10	11.7	1.57	13.9	1.93	16.1	2.28	17.4	2.47	18.5	2.65	20.5	2.98	20.9	2.87
	12	11.7	1.61	13.9	1.96	16.1	2.33	17.3	2.51	18.5	2.70	20.2	2.97	20.6	2.87
	14	11.7	1.64	13.9	1.99	16.1	2.37	17.3	2.57	18.4	2.76	20.0	2.95	20.4	2.87
	16	11.6	1.66	13.9	2.03	16.1	2.41	17.3	2.61	18.4	2.81	19.6	2.99	20.0	3.01
	18	11.6	1.70	13.9	2.07	16.1	2.47	17.3	2.68	18.4	2.95	19.3	3.14	19.8	3.17
	20	11.6	1.73	13.8	2.12	16.1	2.61	17.3	2.88	18.4	3.17	19.1	3.30	19.5	3.33
	21	11.6	1.75	13.8	2.18	16.0	2.70	17.3	2.98	18.4	3.29	19.0	3.37	19.4	3.39
	23	11.6	1.83	13.8	2.34	16.0	2.89	17.2	3.20	18.2	3.50	18.7	3.53	19.1	3.56
	25	11.6	1.95	13.8	2.49	16.0	3.10	17.2	3.43	17.9	3.65	18.3	3.68	18.7	3.71
	27	11.6	2.08	13.8	2.67	16.0	3.32	17.2	3.68	17.7	3.80	18.1	3.83	18.5	3.87
	29	11.6	2.22	13.8	2.85	16.0	3.55	17.2	3.93	17.4	3.96	17.8	3.99	18.2	4.02
	31	11.6	2.37	13.8	3.04	16.0	3.79	16.9	4.09	17.1	4.11	17.5	4.15	18.0	4.18
	33	11.5	2.52	13.7	3.24	16.0	4.04	16.7	4.24	16.9	4.26	17.3	4.30	17.7	4.34
	35	11.5	2.67	13.7	3.45	15.9	4.31	16.3	4.40	16.5	4.42	16.9	4.47	17.3	4.49
	37	11.2	2.70	13.3	3.48	15.3	4.30	15.5	4.33	15.7	4.35	16.2	4.39	16.6	4.43
	39	10.9	2.72	13.0	3.52	14.8	4.22	15.0	4.24	15.2	4.26	15.6	4.30	16.0	4.34
	42	10.9	2.89	13.0	3.73	14.6	4.36	14.8	4.39	15.0	4.40	15.3	4.45	15.7	4.48
	44	10.9	3.06	13.0	3.94	14.4	4.50	14.6	4.53	14.8	4.54	15.0	4.58	15.4	4.62
	46	10.9	3.22	13.0	4.15	14.3	4.65	14.4	4.67	14.6	4.69	14.7	4.72	15.1	4.76
100%	10	10.7	1.43	12.7	1.72	14.7	2.05	15.7	2.20	16.8	2.38	18.8	2.71	20.5	2.97
	12	10.7	1.45	12.7	1.76	14.7	2.08	15.7	2.25	16.7	2.42	18.8	2.77	20.3	2.96
	14	10.6	1.47	12.7	1.79	14.7	2.13	15.7	2.29	16.7	2.47	18.7	2.82	20.0	2.94
	16	10.6	1.49	12.7	1.82	14.7	2.17	15.7	2.34	16.7	2.51	18.7	2.87	19.6	2.99
	18	10.6	1.53	12.6	1.86	14.7	2.20	15.7	2.39	16.7	2.57	18.7	3.04	19.4	3.14
	20	10.6	1.56	12.6	1.90	14.7	2.27	15.7	2.50	16.7	2.75	18.7	3.28	19.1	3.30
	21	10.6	1.57	12.6	1.92	14.6	2.36	15.6	2.59	16.7	2.85	18.6	3.35	19.0	3.37
	23	10.6	1.61	12.6	2.04	14.6	2.52	15.6	2.78	16.6	3.06	18.2	3.50	18.7	3.53
	25	10.6	1.72	12.6	2.18	14.6	2.69	15.6	2.97	16.6	3.28	18.0	3.66	18.4	3.68
	27	10.6	1.84	12.6	2.33	14.6	2.87	15.6	3.18	16.6	3.50	17.7	3.80	18.1	3.84
	29	10.6	1.95	12.6	2.48	14.6	3.08	15.6	3.40	16.6	3.74	17.5	3.97	17.8	3.99
	31	10.5	2.08	12.6	2.65	14.6	3.28	15.6	3.63	16.6	3.99	17.2	4.11	17.6	4.15
	33	10.5	2.21	12.5	2.82	14.5	3.50	15.6	3.88	16.6	4.24	16.9	4.27	17.3	4.30
	35	10.5	2.36	12.5	3.00	14.5	3.74	15.5	4.13	16.2	4.39	16.6	4.43	16.9	4.47
	37	10.2	2.37	12.1	3.04	14.1	3.79	15.0	4.18	15.4	4.32	15.8	4.36	16.2	4.39
	39	10.0	2.39	11.9	3.06	13.8	3.81	14.7	4.22	14.9	4.23	15.2	4.26	15.6	4.31
	42	10.0	2.53	11.9	3.24	13.8	4.04	14.7	4.47	14.7	4.36	14.9	4.41	15.3	4.46
	44	10.0	2.67	11.9	3.42	13.8	4.26	14.7	4.71	14.5	4.49	14.6	4.55	15.0	4.61
	46	10.0	2.81	11.9	3.60	13.8	4.49	14.7	4.97	14.4	4.63	14.4	4.70	14.7	4.75

10. Capacity Table

AM060NXMD*R/EU

Cooling

TC : Total Capacity, PI : Power Input

Combination, % (Capacityy index)	Outdoor temperature (°C, DB)	Indoor temperature (°C, WB)													
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
90%	10	9.6	1.27	11.4	1.54	13.2	1.81	14.2	1.96	15.1	2.10	17.0	2.41	18.8	2.71
	12	9.5	1.29	11.4	1.56	13.2	1.85	14.2	1.99	15.1	2.15	16.9	2.45	18.8	2.76
	14	9.5	1.32	11.4	1.59	13.2	1.88	14.2	2.03	15.1	2.18	16.9	2.49	18.7	2.81
	16	9.5	1.34	11.3	1.62	13.2	1.92	14.2	2.07	15.1	2.22	16.9	2.55	18.7	2.87
	18	9.5	1.36	11.3	1.66	13.1	1.95	14.2	2.11	15.1	2.27	16.9	2.60	18.7	3.03
	20	9.5	1.39	11.3	1.68	13.1	1.99	14.1	2.16	15.1	2.36	16.9	2.79	18.7	3.26
	21	9.5	1.40	11.3	1.70	13.1	2.03	14.1	2.23	15.0	2.44	16.9	2.88	18.6	3.35
	23	9.5	1.43	11.3	1.76	13.1	2.17	14.1	2.39	15.0	2.62	16.8	3.10	18.2	3.50
	25	9.5	1.50	11.3	1.89	13.1	2.32	14.1	2.56	15.0	2.80	16.8	3.32	18.0	3.66
	27	9.5	1.60	11.3	2.01	13.1	2.47	14.1	2.73	15.0	2.99	16.8	3.56	17.7	3.80
	29	9.5	1.71	11.3	2.16	13.1	2.64	14.1	2.91	15.0	3.19	16.8	3.79	17.4	3.97
	31	9.5	1.81	11.2	2.28	13.1	2.82	14.1	3.10	15.0	3.40	16.8	4.05	17.2	4.11
	33	9.4	1.93	11.2	2.43	13.0	3.00	14.0	3.31	14.9	3.63	16.6	4.24	16.9	4.27
	35	9.4	2.05	11.2	2.59	13.0	3.20	14.0	3.53	14.9	3.88	16.2	4.39	16.6	4.43
	37	9.1	2.06	10.9	2.62	12.6	3.23	13.6	3.56	14.5	3.92	15.5	4.32	15.8	4.36
	39	8.9	2.07	10.6	2.63	12.4	3.26	13.3	3.60	14.2	3.96	14.9	4.24	15.2	4.26
	42	8.9	2.18	10.6	2.78	12.4	3.46	13.3	3.82	14.2	4.21	14.6	4.38	14.9	4.41
	44	8.9	2.31	10.6	2.93	12.4	3.65	13.3	4.04	14.2	4.45	14.4	4.52	14.6	4.55
	46	8.9	2.42	10.6	3.08	12.4	3.85	13.3	4.26	14.2	4.70	14.1	4.67	14.4	4.70
80%	10	8.5	1.13	10.2	1.36	11.8	1.59	12.6	1.72	13.4	1.84	15.0	2.10	16.7	2.37
	12	8.5	1.15	10.1	1.37	11.8	1.62	12.6	1.74	13.4	1.87	15.0	2.14	16.6	2.41
	14	8.5	1.16	10.1	1.40	11.8	1.65	12.6	1.77	13.4	1.91	15.0	2.18	16.6	2.45
	16	8.5	1.19	10.1	1.43	11.7	1.68	12.6	1.81	13.4	1.95	15.0	2.22	16.6	2.50
	18	8.5	1.21	10.1	1.46	11.7	1.72	12.5	1.85	13.4	1.98	15.0	2.27	16.6	2.56
	20	8.5	1.24	10.1	1.48	11.7	1.74	12.5	1.88	13.3	2.02	15.0	2.35	16.6	2.73
	21	8.5	1.25	10.1	1.49	11.7	1.76	12.5	1.90	13.3	2.07	14.9	2.43	16.6	2.83
	23	8.4	1.26	10.1	1.52	11.7	1.85	12.5	2.02	13.3	2.20	14.9	2.61	16.5	3.03
	25	8.4	1.30	10.1	1.62	11.7	1.97	12.5	2.17	13.3	2.37	14.9	2.78	16.5	3.25
	27	8.4	1.39	10.1	1.72	11.7	2.11	12.5	2.31	13.3	2.52	14.9	2.97	16.5	3.48
	29	8.4	1.48	10.1	1.84	11.7	2.24	12.5	2.46	13.3	2.69	14.9	3.18	16.5	3.71
	31	8.4	1.56	10.0	1.95	11.7	2.39	12.5	2.63	13.3	2.87	14.9	3.39	16.5	3.97
	33	8.4	1.66	10.0	2.08	11.6	2.55	12.4	2.79	13.2	3.06	14.8	3.62	16.5	4.24
	35	8.4	1.76	10.0	2.20	11.6	2.70	12.4	2.97	13.2	3.26	14.8	3.86	16.2	4.39
	37	8.1	1.77	9.7	2.22	11.3	2.73	12.0	3.01	12.8	3.30	14.4	3.91	15.4	4.31
	39	8.0	1.78	9.5	2.23	11.0	2.76	11.8	3.03	12.5	3.33	14.1	3.95	14.9	4.23
	42	8.0	1.88	9.5	2.37	11.0	2.92	11.8	3.21	12.5	3.53	14.1	4.19	14.7	4.37
	44	8.0	1.98	9.5	2.49	11.0	3.09	11.8	3.39	12.5	3.74	14.1	4.44	14.5	4.51
	46	8.0	2.09	9.5	2.62	11.0	3.25	11.8	3.57	12.5	3.94	14.1	4.68	14.4	4.66
70%	10	7.4	1.00	8.9	1.18	10.3	1.37	11.1	1.48	11.8	1.58	13.2	1.80	14.6	2.03
	12	7.4	1.01	8.9	1.20	10.2	1.40	11.1	1.50	11.8	1.61	13.2	1.84	14.6	2.07
	14	7.4	1.03	8.8	1.22	10.2	1.43	11.0	1.53	11.8	1.65	13.2	1.87	14.6	2.10
	16	7.4	1.04	8.8	1.25	10.2	1.46	11.0	1.56	11.7	1.67	13.2	1.91	14.6	2.15
	18	7.4	1.05	8.8	1.26	10.2	1.48	11.0	1.59	11.7	1.71	13.1	1.95	14.6	2.18
	20	7.4	1.07	8.8	1.28	10.2	1.50	11.0	1.62	11.7	1.74	13.1	1.97	14.5	2.25
	21	7.4	1.08	8.8	1.29	10.2	1.52	11.0	1.64	11.7	1.76	13.1	2.01	14.5	2.33
	23	7.4	1.10	8.8	1.32	10.2	1.55	11.0	1.69	11.7	1.84	13.1	2.16	14.5	2.49
	25	7.4	1.13	8.8	1.37	10.2	1.66	11.0	1.80	11.7	1.96	13.1	2.30	14.5	2.67
	27	7.4	1.19	8.8	1.46	10.2	1.76	11.0	1.93	11.7	2.10	13.1	2.46	14.5	2.86
	29	7.4	1.26	8.8	1.56	10.2	1.88	11.0	2.05	11.7	2.23	13.1	2.63	14.5	3.05
	31	7.4	1.34	8.8	1.66	10.1	1.99	10.9	2.18	11.7	2.38	13.1	2.79	14.5	3.25
	33	7.3	1.42	8.8	1.75	10.1	2.13	10.9	2.33	11.6	2.53	13.0	2.97	14.4	3.47
	35	7.3	1.50	8.7	1.86	10.1	2.26	10.9	2.47	11.6	2.69	13.0	3.17	14.4	3.69
	37	7.1	1.51	8.5	1.87	9.8	2.28	10.6	2.49	11.3	2.72	12.6	3.21	14.0	3.73
	39	7.0	1.51	8.3	1.88	9.6	2.29	10.4	2.51	11.0	2.74	12.4	3.24	13.7	3.77
	42	7.0	1.59	8.3	1.99	9.6	2.42	10.4	2.66	11.0	2.90	12.4	3.43	13.7	4.00
	44	7.0	1.67	8.3	2.10	9.6	2.56	10.4	2.81	11.0	3.08	12.4	3.63	13.7	4.22
	46	7.0	1.74	8.3	2.21	9.6	2.69	10.4	2.96	11.0	3.24	12.4	3.82	13.7	4.45
60%	10	6.4	0.86	7.6	1.02	8.8	1.17	9.4	1.26	10.1	1.35	11.3	1.52	12.5	1.71
	12	6.4	0.87	7.6	1.03	8.8	1.19	9.4	1.27	10.0	1.36	11.3	1.55	12.5	1.73
	14	6.4	0.89	7.6	1.05	8.8	1.22	9.4	1.30	10.0	1.39	11.2	1.57	12.5	1.76
	16	6.4	0.90	7.6	1.06	8.8	1.24	9.4	1.32	10.0	1.42	11.2	1.60	12.5	1.80
	18	6.4	0.92	7.6	1.08	8.8	1.26	9.4	1.35	10.0	1.45	11.2	1.64	12.4	1.84
	20	6.3	0.93	7.6	1.10	8.8	1.27	9.4	1.37	10.0	1.47	11.2	1.66	12.4	1.87
	21	6.3	0.94	7.6	1.11	8.8	1.29	9.4	1.38	10.0	1.48	11.2	1.68	12.4	1.89
	23	6.3	0.96	7.6	1.13	8.8	1.31	9.4	1.41	10.0	1.51	11.2	1.75	12.4	2.00
	25	6.3	0.97	7.5	1.15	8.8	1.36	9.4	1.49	10.0	1.60	11.2	1.86	12.4	2.15
	27	6.3	1.01	7.5	1.22	8.8	1.46	9.4	1.57	10.0	1.71	11.2	1.98	12.4	2.29
	29	6.3	1.06	7.5	1.29	8.7	1.55	9.4	1.68	10.0	1.82	11.2	2.12	12.4	2.44
	31	6.3	1.13	7.5	1.37	8.7	1.65	9.3	1.78	9.9	1.94	11.1	2.26	12.4	2.60
	33	6.3	1.19	7.5	1.46	8.7	1.74	9.3	1.90	9.9	2.06	11.1	2.40	12.3	2.77
	35	6.3	1.26	7.5	1.54	8.7	1.85	9.3	2.01	9.9	2.18	11.1	2.56	12.3	2.95
	37	6.1	1.26	7.3	1.54	8.4	1.86	9.0	2.03	9.6	2.20	10.8	2.58	11.9	2.98
	39	6.0	1.26	7.1	1.55	8.3	1.87	8.8	2.04	9.4	2.22	10.6	2.60	11.7	3.00
	42	6.0	1.34	7.1	1.64	8.3	1.96	8.8	2.16	9.4	2.36	10.6	2.76	11.7	3.17
	44	6.0	1.41	7.1	1.72	8.3	2.07	8.8	2.28	9.4	2.49	10.6	2.91	11.7	3.34
	46	6.0	1.49	7.1	1.81	8.3	2.18	8.8	2.40	9.4	2.63	10.6	3.08	11.7	3.52

10. Capacity Table

AM060NXMD*R/EU

Cooling

TC : Total Capacity, PI : Power Input

Combination, % (Capacityy index)	Outdoor temperature (°C, DB)	Indoor temperature (°C, WB)													
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
50%	10	5.3	0.75	6.3	0.85	7.4	0.99	7.9	1.05	8.4	1.11	9.4	1.26	10.5	1.39
	12	5.3	0.76	6.3	0.87	7.4	1.00	7.9	1.06	8.4	1.14	9.4	1.27	10.4	1.42
	14	5.3	0.76	6.3	0.88	7.3	1.02	7.9	1.08	8.4	1.16	9.4	1.29	10.4	1.45
	16	5.3	0.77	6.3	0.90	7.3	1.03	7.8	1.10	8.4	1.17	9.4	1.32	10.4	1.47
	18	5.3	0.79	6.3	0.91	7.3	1.05	7.8	1.12	8.3	1.19	9.4	1.34	10.4	1.49
	20	5.3	0.80	6.3	0.93	7.3	1.06	7.8	1.14	8.3	1.22	9.4	1.36	10.4	1.52
	21	5.3	0.80	6.3	0.94	7.3	1.07	7.8	1.15	8.3	1.23	9.3	1.38	10.4	1.54
	23	5.3	0.81	6.3	0.95	7.3	1.09	7.8	1.17	8.3	1.25	9.3	1.41	10.4	1.57
	25	5.3	0.82	6.3	0.96	7.3	1.11	7.8	1.19	8.3	1.28	9.3	1.48	10.4	1.68
	27	5.3	0.84	6.3	1.00	7.3	1.17	7.8	1.26	8.3	1.36	9.3	1.57	10.4	1.79
	29	5.3	0.88	6.3	1.05	7.3	1.25	7.8	1.35	8.3	1.46	9.3	1.67	10.4	1.91
	31	5.3	0.94	6.3	1.12	7.3	1.32	7.8	1.43	8.3	1.54	9.3	1.77	10.3	2.03
	33	5.3	0.99	6.3	1.19	7.3	1.40	7.8	1.51	8.3	1.64	9.3	1.89	10.3	2.17
	35	5.2	1.04	6.2	1.26	7.3	1.48	7.8	1.60	8.3	1.73	9.3	2.00	10.3	2.29
	37	5.1	1.04	6.1	1.26	7.0	1.49	7.5	1.61	8.0	1.74	9.0	2.02	10.0	2.31
	39	5.0	1.04	5.9	1.26	6.9	1.49	7.4	1.62	7.8	1.74	8.8	2.03	9.8	2.33
	42	5.0	1.10	5.9	1.33	6.9	1.58	7.4	1.72	7.8	1.84	8.8	2.15	9.8	2.47
	44	5.0	1.16	5.9	1.40	6.9	1.67	7.4	1.81	7.8	1.94	8.8	2.27	9.8	2.62
	46	5.0	1.22	5.9	1.48	6.9	1.75	7.4	1.91	7.8	2.03	8.8	2.39	9.8	2.76

NOTE

- The performance table shows the average value of each conditions.

10. Capacity Table

AM060NXMD*R/EU

Heating

TC : Total Capacity, PI : Power Input

Combi. (%)	Outdoor temperature (°C)		Indoor temperature (°C, DB)									
			16		18		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	DB	WB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	-25	-24	9.9	5.47	10.0	5.75	10.0	6.04	10.0	6.32	10.1	6.60
	-22	-23	11.0	5.79	11.0	6.09	11.1	6.39	11.1	6.60	11.0	6.81
	-20	-21	11.6	5.99	11.6	6.23	11.5	6.42	11.5	6.64	11.4	6.85
	-17	-18	12.7	6.07	12.7	6.27	12.6	6.48	12.6	6.69	12.5	6.89
	-15	-16	13.4	6.10	13.3	6.31	13.3	6.50	13.2	6.72	13.2	6.93
	-12	-13	14.0	6.15	14.0	6.35	14.0	6.56	13.9	6.77	13.9	6.98
	-10	-11	14.7	6.18	14.7	6.38	14.6	6.59	14.6	6.80	14.5	7.01
	-7	-8	15.9	6.23	15.9	6.43	15.9	6.64	15.8	6.85	15.8	7.06
	-5	-6	16.6	6.27	16.6	6.46	16.5	6.67	16.5	6.88	16.4	7.09
	-3	-4	17.2	6.30	17.2	6.50	17.2	6.70	17.1	6.91	17.1	7.12
	0	-1	18.2	6.34	18.2	6.55	18.2	6.75	18.1	6.96	18.1	6.58
	3	2.2	19.3	6.39	19.3	6.60	19.2	6.80	19.2	6.82	19.1	5.83
	5	4.1	19.9	6.56	19.9	6.77	19.9	6.97	19.8	6.40	19.8	5.50
	7	6	20.6	6.80	20.5	7.01	20.5	7.14	20.5	6.07	20.4	5.25
	9	7.9	21.2	6.83	21.2	7.04	21.1	6.53	21.1	5.59	21.0	4.87
	11	9.8	21.8	6.87	21.8	7.00	21.8	5.98	21.7	5.16	21.0	4.55
	13	12	22.6	6.90	22.6	6.44	22.5	5.47	22.5	4.77	21.0	4.26
	15	14	23.3	6.87	23.2	5.92	23.2	5.00	22.6	4.42	21.0	3.97
120%	-25	-24	9.8	5.51	9.9	5.79	10.0	6.08	10.0	6.32	10.0	6.57
	-22	-23	10.9	5.85	10.9	6.14	11.0	6.45	11.0	6.64	10.9	6.83
	-20	-21	11.5	6.06	11.5	6.28	11.5	6.49	11.4	6.67	11.4	6.85
	-17	-18	12.6	6.12	12.6	6.33	12.6	6.54	12.5	6.72	12.5	6.90
	-15	-16	13.3	6.15	13.3	6.37	13.2	6.57	13.2	6.76	13.2	6.94
	-12	-13	14.0	6.20	13.9	6.41	13.9	6.62	13.9	6.80	13.8	6.98
	-10	-11	14.6	6.23	14.6	6.45	14.6	6.66	14.5	6.84	14.5	7.02
	-7	-8	15.9	6.28	15.8	6.49	15.8	6.70	15.8	6.88	15.7	7.06
	-5	-6	16.6	6.31	16.5	6.53	16.5	6.74	16.4	6.92	16.4	6.91
	-3	-4	17.2	6.35	17.1	6.56	17.1	6.77	17.1	6.95	17.0	6.39
	0	-1	18.2	6.39	18.2	6.60	18.1	6.82	18.1	6.58	18.0	5.67
	3	2.2	19.3	6.44	19.2	6.66	19.2	6.77	19.1	5.82	19.1	5.04
	5	4.1	19.9	6.61	19.9	6.83	19.8	6.37	19.8	5.48	19.4	4.77
	7	6	20.5	6.85	20.5	6.90	20.4	6.03	20.4	5.21	19.4	4.59
	9	7.9	21.2	6.88	21.1	6.38	21.1	5.54	20.8	4.82	19.4	4.29
	11	9.8	21.8	6.71	21.8	5.87	21.7	5.08	20.8	4.48	19.4	4.03
	13	12	22.6	6.20	22.5	5.39	22.3	4.67	20.8	4.17	19.4	3.79
	15	14	23.2	5.71	23.2	4.97	22.3	4.31	20.8	3.90	19.4	3.57
110%	-25	-24	9.8	5.56	9.8	5.83	9.8	6.11	9.9	6.32	9.8	6.55
	-22	-23	10.9	5.90	10.9	6.19	10.9	6.49	11.0	6.68	10.8	6.83
	-20	-21	11.5	6.11	11.5	6.34	11.4	6.56	11.4	6.71	11.3	6.86
	-17	-18	12.6	6.17	12.6	6.39	12.5	6.61	12.5	6.76	12.5	6.91
	-15	-16	13.3	6.20	13.2	6.42	13.2	6.64	13.2	6.79	13.1	6.94
	-12	-13	13.9	6.25	13.9	6.47	13.9	6.69	13.8	6.84	13.8	6.99
	-10	-11	14.6	6.28	14.6	6.50	14.5	6.73	14.5	6.87	14.5	7.02
	-7	-8	15.8	6.33	15.8	6.55	15.8	6.77	15.7	6.92	15.7	6.45
	-5	-6	16.5	6.37	16.5	6.59	16.4	6.81	16.4	6.84	16.4	5.96
	-3	-4	17.1	6.39	17.1	6.62	17.1	6.84	17.0	6.36	17.0	5.50
	0	-1	18.1	6.45	18.1	6.67	18.1	6.52	18.0	5.63	17.8	4.89
	3	2.2	19.2	6.49	19.2	6.48	19.1	5.76	19.1	4.98	17.8	4.37
	5	4.1	19.8	6.65	19.8	6.12	19.8	5.40	19.1	4.70	17.8	4.17
	7	6	20.5	6.55	20.4	5.79	20.4	5.11	19.1	4.49	17.8	4.03
	9	7.9	21.1	6.03	21.1	5.32	20.4	4.71	19.1	4.19	17.8	3.79
	11	9.8	21.7	5.53	21.7	4.90	20.4	4.34	19.1	3.92	17.8	3.58
	13	12	22.5	5.09	21.7	4.52	20.4	4.02	19.1	3.67	17.8	3.39
	15	14	23.0	4.69	21.7	4.19	20.4	3.75	19.1	3.46	17.8	3.21
100%	-25	-24	9.6	5.60	9.7	5.86	9.8	6.15	9.8	6.33	9.8	6.52
	-22	-23	10.7	5.95	10.8	6.24	10.9	6.53	10.9	6.71	10.8	6.84
	-20	-21	11.4	6.17	11.4	6.40	11.4	6.63	11.3	6.75	11.3	6.87
	-17	-18	12.5	6.22	12.5	6.45	12.2	6.68	12.4	6.80	12.4	6.92
	-15	-16	13.2	6.25	13.2	6.48	12.8	6.71	13.1	6.83	13.1	6.95
	-12	-13	13.9	6.30	13.8	6.53	13.5	6.76	13.8	6.88	13.7	6.77
	-10	-11	14.5	6.34	14.5	6.56	14.2	6.79	14.4	6.91	14.4	6.26
	-7	-8	15.8	6.38	15.7	6.61	15.2	6.84	15.7	6.39	15.6	5.54
	-5	-6	16.4	6.42	16.4	6.64	15.9	6.76	16.3	5.90	16.2	5.11
	-3	-4	17.1	6.45	17.0	6.67	16.5	6.27	17.0	5.43	16.2	4.72
	0	-1	18.1	6.49	18.0	6.17	17.5	5.54	17.3	4.80	16.2	4.22
	3	2.2	19.1	6.06	19.1	5.43	18.0	4.87	17.3	4.27	16.2	3.80
	5	4.1	19.8	5.67	19.7	5.08	18.0	4.57	17.3	4.04	16.2	3.65
	7	6	20.4	5.35	19.8	4.80	18.0	4.34	17.3	3.89	16.2	3.55
	9	7.9	20.9	4.89	19.8	4.41	18.2	4.01	17.3	3.64	16.2	3.35
	11	9.8	20.9	4.48	19.8	4.07	18.2	3.72	17.3	3.42	16.2	3.18
	13	12	20.9	4.12	19.8	3.76	18.2	3.48	17.3	3.24	16.2	3.03
	15	14	20.9	3.79	19.8	3.51	18.2	3.28	17.3	3.08	16.2	2.89

10. Capacity Table

AM060NXMD*R/EU

Heating

TC : Total Capacity, PI : Power Input

Combi. (%)	Outdoor temperature (°C)		Indoor temperature (°C, DB)									
			16		18		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	DB	WB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
90%	-25	-24	9.8	5.58	9.7	5.82	9.8	6.07	9.9	6.26	10.1	6.46
	-22	-23	10.9	5.93	10.9	6.19	10.8	6.39	10.8	6.48	10.8	6.56
	-20	-21	11.4	6.03	11.3	6.23	11.3	6.43	11.3	6.51	11.3	6.59
	-17	-18	12.5	6.08	12.5	6.28	12.4	6.48	12.4	6.56	12.4	6.62
	-15	-16	13.1	6.11	13.1	6.31	13.1	6.51	13.1	6.59	13.0	6.36
	-12	-13	13.8	6.16	13.8	6.36	13.8	6.56	13.7	6.37	13.7	5.65
	-10	-11	14.5	6.19	14.5	6.39	14.4	6.54	14.4	5.89	14.4	5.21
	-7	-8	15.7	6.24	15.7	6.37	15.7	5.90	15.6	5.23	14.5	4.64
	-5	-6	16.4	6.27	16.4	5.97	16.3	5.46	15.7	4.83	14.5	4.30
	-3	-4	17.0	6.04	17.0	5.51	16.7	5.03	15.7	4.47	14.5	4.01
	0	-1	18.0	5.35	17.7	4.88	16.7	4.47	15.7	4.01	14.5	3.65
	3	2.2	18.9	4.73	17.7	4.34	16.7	4.00	15.7	3.63	14.5	3.34
	5	4.1	18.9	4.47	17.7	4.11	16.7	3.81	15.7	3.49	14.5	3.23
	7	6	18.9	4.27	17.7	3.95	16.7	3.67	15.7	3.39	14.5	3.14
	9	7.9	18.9	3.98	17.7	3.70	16.7	3.44	15.7	3.19	14.5	2.99
	11	9.8	18.9	3.71	17.7	3.46	16.7	3.22	15.7	3.02	14.5	2.84
	13	12	18.9	3.48	17.7	3.24	16.7	3.04	15.7	2.87	14.5	2.72
	15	14	18.9	3.26	17.7	3.06	16.7	2.89	15.7	2.73	14.5	2.59
80%	-25	-24	9.8	5.57	9.9	5.79	9.9	6.00	10.0	6.18	10.0	6.23
	-22	-23	10.9	5.85	10.8	6.03	10.8	6.20	10.7	6.24	10.8	6.28
	-20	-21	11.3	5.89	11.3	6.06	11.3	6.23	11.2	6.27	11.2	6.30
	-17	-18	12.4	5.93	12.4	6.10	12.4	6.28	12.3	6.25	12.3	5.72
	-15	-16	13.1	5.97	13.1	6.14	13.0	6.31	13.0	5.86	12.9	5.28
	-12	-13	13.8	6.02	13.7	6.14	13.7	5.77	13.7	5.19	12.9	4.68
	-10	-11	14.4	6.04	14.4	5.77	14.4	5.32	13.9	4.80	12.9	4.34
	-7	-8	15.7	5.54	15.6	5.11	14.8	4.73	13.9	4.29	12.9	3.90
	-5	-6	16.3	5.11	15.8	4.72	14.8	4.39	13.9	3.99	12.9	3.66
	-3	-4	16.8	4.71	15.8	4.37	14.8	4.08	13.9	3.74	12.9	3.45
	0	-1	16.8	4.20	15.8	3.93	14.8	3.69	13.9	3.41	12.9	3.17
	3	2.2	16.8	3.79	15.8	3.56	14.8	3.35	13.9	3.13	12.9	2.94
	5	4.1	16.8	3.63	15.8	3.42	14.8	3.24	13.9	3.03	12.9	2.85
	7	6	16.8	3.54	15.8	3.34	14.8	3.15	13.9	2.95	12.9	2.78
	9	7.9	16.8	3.34	15.8	3.15	14.8	2.97	13.9	2.80	12.9	2.64
	11	9.8	16.8	3.15	15.8	2.97	14.8	2.79	13.9	2.65	12.9	2.53
	13	12	16.8	2.98	15.8	2.81	14.8	2.65	13.9	2.53	12.9	2.42
	15	14	16.8	2.83	15.8	2.67	14.8	2.52	13.9	2.41	12.9	2.30
70%	-25	-24	10.0	5.65	10.0	5.75	9.9	5.81	10.0	5.76	10.4	5.71
	-22	-23	10.8	5.74	10.8	5.80	10.7	5.86	10.8	5.81	11.2	5.71
	-20	-21	11.3	5.78	11.2	5.84	11.2	5.89	11.2	5.77	11.2	5.33
	-17	-18	12.4	5.82	12.3	5.87	12.3	5.63	12.2	5.16	11.3	4.73
	-15	-16	13.0	5.85	13.0	5.57	13.0	5.19	12.2	4.76	11.3	4.37
	-12	-13	13.7	5.29	13.7	4.93	13.0	4.61	12.2	4.24	11.3	3.91
	-10	-11	14.4	4.88	13.8	4.55	13.0	4.26	12.2	3.94	11.3	3.65
	-7	-8	14.6	4.33	13.8	4.07	13.0	3.83	12.2	3.56	11.3	3.32
	-5	-6	14.6	4.02	13.8	3.79	13.0	3.59	12.2	3.35	11.3	3.14
	-3	-4	14.6	3.75	13.8	3.55	13.0	3.37	12.2	3.16	11.3	2.97
	0	-1	14.6	3.41	13.8	3.24	13.0	3.09	12.2	2.91	11.3	2.75
	3	2.2	14.6	3.13	13.8	2.99	13.0	2.85	12.2	2.70	11.3	2.55
	5	4.1	14.6	3.04	13.8	2.90	13.0	2.75	12.2	2.61	11.3	2.47
	7	6	14.6	2.97	13.8	2.83	13.0	2.68	12.2	2.54	11.3	2.42
	9	7.9	14.6	2.81	13.8	2.67	13.0	2.53	12.2	2.41	11.3	2.29
	11	9.8	14.6	2.67	13.8	2.53	13.0	2.40	12.2	2.30	11.3	2.19
	13	12	14.6	2.55	13.8	2.42	13.0	2.29	12.2	2.19	11.3	2.10
	15	14	14.6	2.43	13.8	2.30	13.0	2.16	12.2	2.08	11.3	2.00
60%	-25	-24	9.9	5.61	10.1	5.48	10.2	5.34	9.7	5.15	9.3	4.97
	-22	-23	10.7	5.67	11.0	5.53	11.1	5.39	10.4	5.07	9.7	4.71
	-20	-21	11.2	5.69	11.2	5.38	11.1	5.05	10.4	4.68	9.7	4.34
	-17	-18	12.3	5.08	11.9	4.76	11.1	4.46	10.4	4.15	9.7	3.87
	-15	-16	12.6	4.67	11.9	4.39	11.1	4.12	10.4	3.85	9.7	3.59
	-12	-13	12.6	4.14	11.9	3.90	11.1	3.68	10.4	3.45	9.7	3.24
	-10	-11	12.6	3.84	11.9	3.63	11.1	3.44	10.4	3.24	9.7	3.05
	-7	-8	12.6	3.46	11.9	3.29	11.1	3.14	10.4	2.96	9.7	2.80
	-5	-6	12.6	3.24	11.9	3.10	11.1	2.96	10.4	2.80	9.7	2.65
	-3	-4	12.6	3.06	11.9	2.93	11.1	2.80	10.4	2.65	9.7	2.50
	0	-1	12.6	2.81	11.9	2.70	11.1	2.59	10.4	2.45	9.7	2.32
	3	2.2	12.6	2.60	11.9	2.49	11.1	2.38	10.4	2.27	9.7	2.15
	5	4.1	12.6	2.52	11.9	2.41	11.1	2.29	10.4	2.19	9.7	2.09
	7	6	12.6	2.46	11.9	2.35	11.1	2.24	10.4	2.14	9.7	2.04
	9	7.9	12.6	2.34	11.9	2.23	11.1	2.13	10.4	2.04	9.7	1.94
	11	9.8	12.6	2.23	11.9	2.13	11.1	2.03	10.4	1.94	9.7	1.86
	13	12	12.6	2.13	11.9	2.03	11.1	1.92	10.4	1.85	9.7	1.78
	15	14	12.6	2.04	11.9	1.93	11.1	1.83	10.4	1.76	9.7	1.70

10. Capacity Table

AM060NXMD*R/EU

Heating

TC : Total Capacity, PI : Power Input

Combi. (%)	Outdoor temperature (°C)		Indoor temperature (°C, DB)									
			16		18		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	DB	WB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
50%	-25	-24	10.5	5.54	9.9	5.21	9.3	4.87	8.7	4.54	8.1	4.22
	-22	-23	10.5	4.86	9.9	4.57	9.3	4.27	8.7	4.00	8.1	3.72
	-20	-21	10.5	4.46	9.9	4.19	9.3	3.93	8.7	3.69	8.1	3.44
	-17	-18	10.5	3.93	9.9	3.70	9.3	3.48	8.7	3.28	8.1	3.09
	-15	-16	10.5	3.63	9.9	3.43	9.3	3.23	8.7	3.06	8.1	2.89
	-12	-13	10.5	3.26	9.9	3.10	9.3	2.94	8.7	2.79	8.1	2.64
	-10	-11	10.5	3.05	9.9	2.91	9.3	2.77	8.7	2.64	8.1	2.50
	-7	-8	10.5	2.80	9.9	2.67	9.3	2.54	8.7	2.42	8.1	2.30
	-5	-6	10.5	2.65	9.9	2.53	9.3	2.42	8.7	2.30	8.1	2.18
	-3	-4	10.5	2.50	9.9	2.40	9.3	2.29	8.7	2.18	8.1	2.07
	0	-1	10.5	2.30	9.9	2.21	9.3	2.11	8.7	2.01	8.1	1.92
	3	2.2	10.5	2.12	9.9	2.03	9.3	1.93	8.7	1.85	8.1	1.76
	5	4.1	10.5	2.05	9.9	1.96	9.3	1.87	8.7	1.79	8.1	1.71
	7	6	10.5	1.99	9.9	1.92	9.3	1.84	8.7	1.76	8.1	1.68
	9	7.9	10.5	1.91	9.9	1.83	9.3	1.75	8.7	1.67	8.1	1.59
	11	9.8	10.5	1.83	9.9	1.75	9.3	1.67	8.7	1.59	8.1	1.52
	13	12	10.5	1.74	9.9	1.66	9.3	1.58	8.7	1.52	8.1	1.45
	15	14	10.5	1.66	9.9	1.58	9.3	1.50	8.7	1.45	8.1	1.39

NOTE

- The performance table shows the average value of each conditions.

11. Capacity Correction

AM040NXMD*R/EU

Cooling

Level Difference (m)	Pipe Length (m)															
	7.5	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150
50	-	-	-	-	-	0.95	0.94	0.93	0.93	0.93	0.92	0.91	0.90	0.89	0.89	0.88
40	-	-	-	-	0.96	0.96	0.95	0.94	0.93	0.93	0.92	0.91	0.90	0.90	0.89	0.88
30	-	-	-	0.97	0.97	0.96	0.95	0.94	0.93	0.93	0.92	0.92	0.91	0.90	0.89	0.89
20	-	-	0.98	0.98	0.97	0.96	0.95	0.94	0.93	0.93	0.93	0.92	0.91	0.90	0.89	0.89
10	-	0.99	0.98	0.98	0.97	0.96	0.95	0.94	0.94	0.94	0.93	0.92	0.91	0.90	0.90	0.89
0	1.00	0.99	0.99	0.98	0.97	0.96	0.95	0.94	0.94	0.94	0.93	0.92	0.91	0.90	0.90	0.89
-10	-	1.00	0.99	0.98	0.97	0.97	0.96	0.95	0.94	0.94	0.93	0.92	0.91	0.91	0.90	0.89
-20	-	-	0.99	0.98	0.98	0.97	0.96	0.95	0.94	0.94	0.93	0.92	0.92	0.91	0.90	0.90
-30	-	-	-	0.99	0.98	0.97	0.96	0.95	0.94	0.94	0.93	0.93	0.92	0.91	0.90	0.90
-40	-	-	-	-	0.98	0.97	0.96	0.95	0.95	0.95	0.94	0.93	0.92	0.91	0.91	0.90

Heating

Level Difference (m)	Pipe Length (m)															
	7.5	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150
50	-	-	-	-	-	0.98	0.98	0.98	0.97	0.97	0.97	0.97	0.96	0.96	0.96	0.95
40	-	-	-	-	0.99	0.98	0.98	0.98	0.97	0.97	0.97	0.97	0.96	0.96	0.96	0.95
30	-	-	-	0.99	0.99	0.98	0.98	0.98	0.97	0.97	0.97	0.97	0.96	0.96	0.96	0.95
20	-	-	0.99	0.99	0.99	0.98	0.98	0.98	0.97	0.97	0.97	0.97	0.96	0.96	0.96	0.95
10	-	1.00	0.99	0.99	0.99	0.98	0.98	0.98	0.97	0.97	0.97	0.97	0.96	0.96	0.96	0.95
0	1.00	1.00	0.99	0.99	0.99	0.98	0.98	0.98	0.97	0.97	0.97	0.97	0.96	0.96	0.96	0.95
-10	-	1.00	0.99	0.99	0.99	0.98	0.98	0.98	0.97	0.97	0.97	0.97	0.96	0.96	0.96	0.95
-20	-	-	0.99	0.99	0.99	0.98	0.98	0.98	0.97	0.97	0.97	0.97	0.96	0.96	0.96	0.95
-30	-	-	-	0.99	0.99	0.98	0.98	0.98	0.97	0.97	0.97	0.97	0.96	0.96	0.96	0.95
-40	-	-	-	-	0.99	0.98	0.98	0.98	0.97	0.97	0.97	0.97	0.96	0.96	0.96	0.95

11. Capacity Correction

AM050NXMD*R/EU

Cooling

Level Difference (m)	Pipe Length (m)															
	7.5	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150
50	-	-	-	-	-	0.94	0.93	0.92	0.92	0.92	0.91	0.90	0.89	0.88	0.88	0.87
40	-	-	-	-	0.95	0.95	0.94	0.93	0.92	0.92	0.91	0.90	0.89	0.89	0.88	0.87
30	-	-	-	0.97	0.96	0.95	0.94	0.93	0.92	0.92	0.91	0.91	0.90	0.89	0.88	0.87
20	-	-	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.92	0.92	0.91	0.90	0.89	0.88	0.87
10	-	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.93	0.92	0.91	0.90	0.89	0.88	0.88
0	1.00	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.93	0.93	0.92	0.91	0.90	0.89	0.89	0.88
-10	-	0.99	0.98	0.97	0.96	0.96	0.95	0.94	0.93	0.93	0.92	0.91	0.90	0.90	0.89	0.88
-20	-	-	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.93	0.92	0.91	0.91	0.90	0.89	0.88
-30	-	-	-	0.98	0.97	0.96	0.95	0.94	0.93	0.93	0.92	0.92	0.91	0.90	0.89	0.88
-40	-	-	-	-	0.97	0.96	0.95	0.94	0.93	0.94	0.93	0.92	0.91	0.90	0.89	0.89

Heating

Level Difference (m)	Pipe Length (m)															
	7.5	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150
50	-	-	-	-	-	0.98	0.97	0.97	0.96	0.97	0.96	0.96	0.95	0.95	0.95	0.94
40	-	-	-	-	0.98	0.98	0.97	0.97	0.96	0.97	0.96	0.96	0.95	0.95	0.95	0.94
30	-	-	-	0.99	0.98	0.98	0.97	0.97	0.96	0.97	0.96	0.96	0.95	0.95	0.95	0.94
20	-	-	0.99	0.99	0.98	0.98	0.97	0.97	0.96	0.97	0.96	0.96	0.95	0.95	0.95	0.94
10	-	1.00	0.99	0.99	0.98	0.98	0.97	0.97	0.96	0.97	0.96	0.96	0.95	0.95	0.95	0.94
0	1.00	1.00	0.99	0.99	0.98	0.98	0.97	0.97	0.96	0.97	0.96	0.96	0.95	0.95	0.95	0.94
-10	-	1.00	0.99	0.99	0.98	0.98	0.97	0.97	0.96	0.97	0.96	0.96	0.95	0.95	0.95	0.94
-20	-	-	0.99	0.99	0.98	0.98	0.97	0.97	0.96	0.97	0.96	0.96	0.95	0.95	0.95	0.94
-30	-	-	-	0.99	0.98	0.98	0.97	0.97	0.96	0.97	0.96	0.96	0.95	0.95	0.95	0.94
-40	-	-	-	-	0.98	0.98	0.97	0.97	0.96	0.97	0.96	0.96	0.95	0.95	0.95	0.94

11. Capacity Correction

AM060NXMD*R/EU

Cooling

Level Difference (m)	Pipe Length (m)															
	7.5	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150
50	-	-	-	-	-	0.95	0.94	0.93	0.93	0.93	0.92	0.91	0.90	0.89	0.89	0.88
40	-	-	-	-	0.96	0.96	0.95	0.94	0.93	0.93	0.92	0.91	0.90	0.90	0.89	0.88
30	-	-	-	0.97	0.97	0.96	0.95	0.94	0.93	0.93	0.92	0.92	0.91	0.90	0.89	0.89
20	-	-	0.98	0.98	0.97	0.96	0.95	0.94	0.93	0.93	0.93	0.92	0.91	0.90	0.89	0.89
10	-	0.99	0.98	0.98	0.97	0.96	0.95	0.94	0.94	0.94	0.93	0.92	0.91	0.90	0.90	0.89
0	1.00	0.99	0.99	0.98	0.97	0.96	0.95	0.94	0.94	0.94	0.93	0.92	0.91	0.90	0.90	0.89
-10	-	1.00	0.99	0.98	0.97	0.97	0.96	0.95	0.94	0.94	0.93	0.92	0.91	0.91	0.90	0.89
-20	-	-	0.99	0.98	0.98	0.97	0.96	0.95	0.94	0.94	0.93	0.92	0.92	0.91	0.90	0.90
-30	-	-	-	0.99	0.98	0.97	0.96	0.95	0.94	0.94	0.93	0.93	0.92	0.91	0.90	0.90
-40	-	-	-	-	0.98	0.97	0.96	0.95	0.95	0.95	0.94	0.93	0.92	0.91	0.91	0.90

Heating

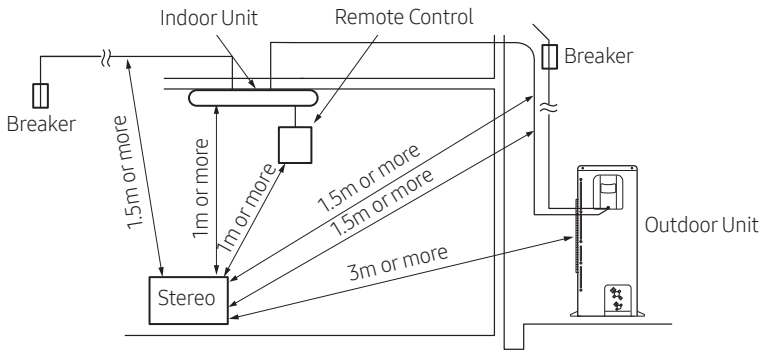
Level Difference (m)	Pipe Length (m)															
	7.5	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150
50	-	-	-	-	-	0.98	0.98	0.98	0.97	0.97	0.97	0.97	0.96	0.96	0.96	0.95
40	-	-	-	-	0.99	0.98	0.98	0.98	0.97	0.97	0.97	0.97	0.96	0.96	0.96	0.95
30	-	-	-	0.99	0.99	0.98	0.98	0.98	0.97	0.97	0.97	0.97	0.96	0.96	0.96	0.95
20	-	-	0.99	0.99	0.99	0.98	0.98	0.98	0.97	0.97	0.97	0.97	0.96	0.96	0.96	0.95
10	-	1.00	0.99	0.99	0.99	0.98	0.98	0.98	0.97	0.97	0.97	0.97	0.96	0.96	0.96	0.95
0	1.00	1.00	0.99	0.99	0.99	0.98	0.98	0.98	0.97	0.97	0.97	0.97	0.96	0.96	0.96	0.95
-10	-	1.00	0.99	0.99	0.99	0.98	0.98	0.98	0.97	0.97	0.97	0.97	0.96	0.96	0.96	0.95
-20	-	-	0.99	0.99	0.99	0.98	0.98	0.98	0.97	0.97	0.97	0.97	0.96	0.96	0.96	0.95
-30	-	-	-	0.99	0.99	0.98	0.98	0.98	0.97	0.97	0.97	0.97	0.96	0.96	0.96	0.95
-40	-	-	-	-	0.99	0.98	0.98	0.98	0.97	0.97	0.97	0.97	0.96	0.96	0.96	0.95

12. Installation

Space requirement for installation

CAUTION

- Install the indoor unit away from any interfering sources such as radio, computer, stereo equipment and also select a place where the electrical wiring work and an indoor unit installation are possible.
  - Especially keep the unit at least 3m away from the electrical equipment in an area where weak electromagnetic waves are generated and install the protection tube to protect the main power cable and communication cable.
  - Make sure that there is no equipment that genetrates electromagnetic waves. If so, malfunction of the control system may occur due to the effect of the electromagnetic wave. (For example: The remote control sensor of the indoor unit may not have good reception in an area with fluorescent lamp style lighting.)
- Make sure the outdoor unit is installed in a safe place where it will not be obstructed by snowfall. The frame should be installed in a place where the air inlet and heat exchanger of the unit are not buried in the snow.
- A ventilation system may be required when the outdoor unit is installed in a closed space or room, even though R-410a is not poisonous or flammable.
- Install railing around the outdoor unit to prevent it falling when the unit is installed on a high place such as the roof of the building.
- Avoid installing the units in places near an exhaust pipe and ventilating opening exposed to corrosive gas, oxides of sulfur, ammonia gas or sulfur gas herbicides. (These places need additional anticorrosive treatments. Please contact manufacture to avoid corroding copper pipes or soldered parts.)
- There shouldn't be any inflammable material such as wood and oil around the indoor unit. Otherwise, external fire may spread to the product.
- According to the condition of power supply, electric noise or unstable voltage can occur malfunction of electric parts or control system. (At the ship or places using power supply from electric generator... etc)



▶ Make sure that the water dripping from the drain hose runs away correctly and safely.

▶ You should repaint or protect the damaged part so that the paint of the cabinet does not peel off and become rusty during installation. When the cabinet becomes rusty, the life of an outdoor will be reduced.

12. Installation

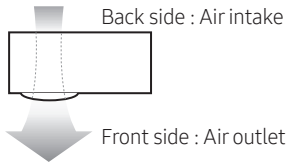
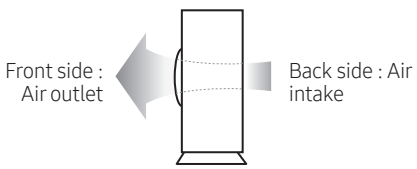
Space requirement for installation

▶ Make a space for ventilation and service as seen in the picture.

▶ When multiple outdoor units are combined for installation, allow enough space for ventilation against a wall. If the ventilation space is not allowed, product malfunction may occur.

▶ The side with logo is the front side of the outdoor unit.

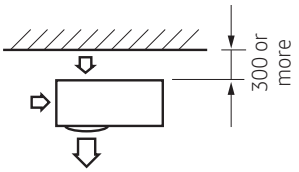
※ Figure Description

Top view	Side view
	

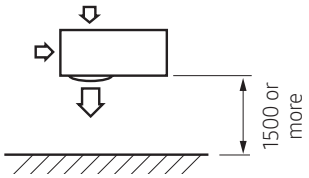
• , Air flow direction.

When installing 1 outdoor unit

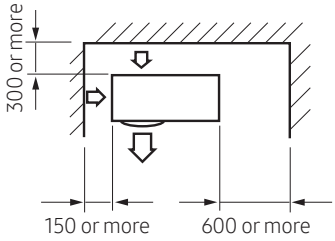
※ When the air outlet is opposite the wall



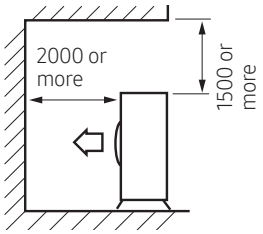
※ When the air outlet is toward the wall (Unit : mm)



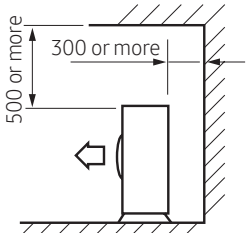
※ When 3 sides of the outdoor unit are blocked by the wall



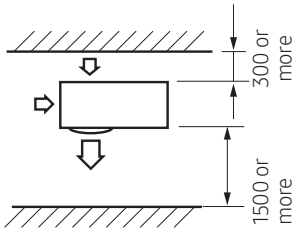
※ The upper part of the outdoor unit is blocked and the air outlet is toward the wall



※ The upper part of the outdoor unit is blocked and the air outlet is opposite the wall



※ When the walls are blocking front and the rear of the outdoor unit

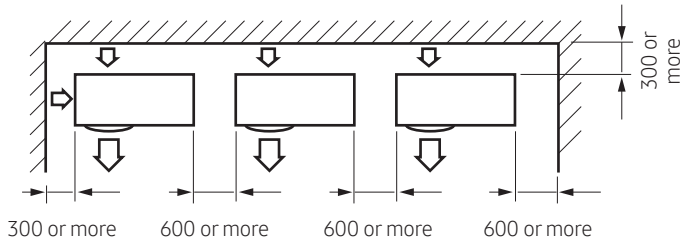


12. Installation

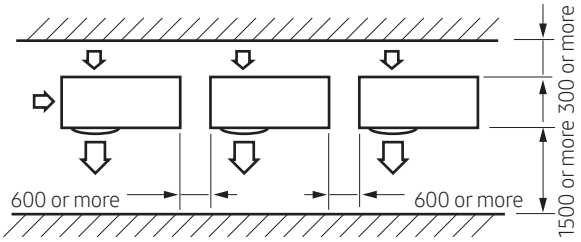
Space requirement for installation

When installing more than 1 outdoor unit

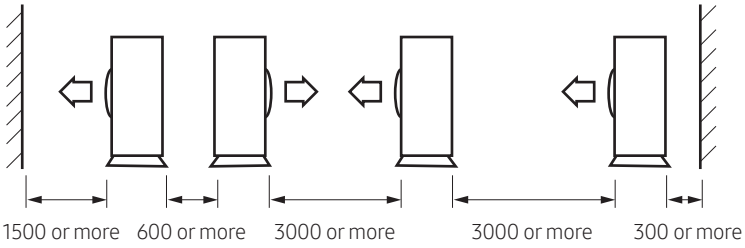
※ When 3 sides of the outdoor unit are blocked by the wall (Unit : mm)



※ When the walls are blocking front and the rear of the outdoor units



※ When front and rear side of the outdoor unit is toward the wall

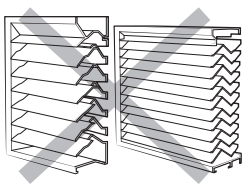


WARNING

- Should adopt bar type louver. Don't use a type of rain resistance louver.

[Bar type louver]

[Rain resistance louver]

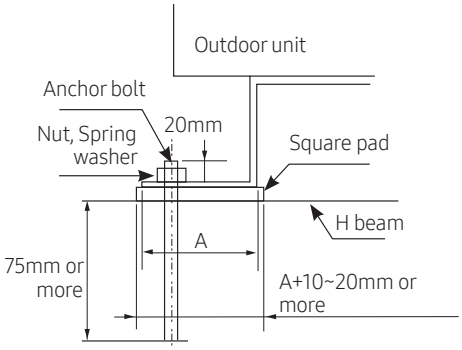


- Louver specifications.
  - Angle criteria : less than 20˚
  - Opening ratio criteria : greater than 80%

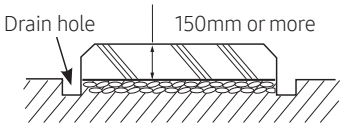
12. Installation

Installation and base ground work for an outdoor unit

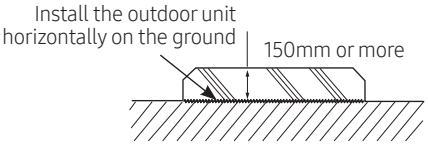
- ▶ Install the outdoor unit 150mm higher than the base ground and install the drain hole to connect the pipe to the drainage.
- ▶ When the front fan of an outdoor unit is installed in a place where the average snowfall is more than 150mm, the discharge duct should be attached to the outdoor unit.
- ▶ The concrete foundation should be 1.5 times larger than bottom of the outdoor unit.
- ▶ It is necessary to install wire mesh or steel bar when outdoor units are installed on a soft foundation.
- ▶ When installing multiple outdoor units at the same place, install the H beam on the base ground. (When installing a number of outdoor units, you can install it on the base ground.)
- ▶ Install the H beam(150mm x 150mm x t10 : basic specification) or vibration absorption frame to jut out from the base ground.
- ▶ After installing the H beam, apply corrosion protection.
- ▶ Install a square pad(t=20mm or more) to prevent vibration from the outdoor unit onto the base ground. Place the outdoor unit on the H beam and fix it with the bolt, nut and washer. (Fix with M10 basic anchor bolt, nut and washer.)



Base ground work



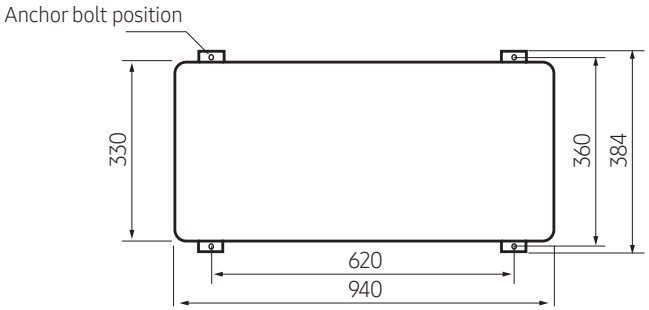
‹ When installing on the ground ›



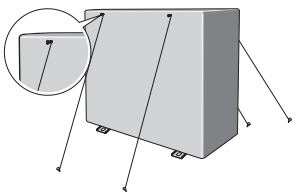
‹ When installing on the roof ›

- ▶ The outdoor unit should be supported within the range of measurement below for base ground work.

(Unit : mm)



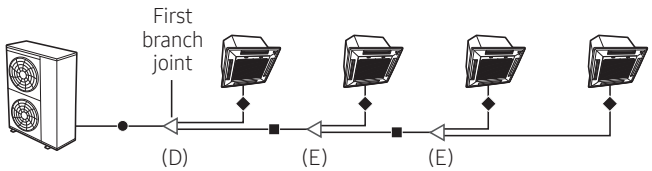
- ▶ When the outdoor unit needs to be supported, fix it with wire as shown in the picture.
  - Slightly unwind the four screws on the cover top of the outdoor unit.
  - Wind wires round the four screws and fasten the screws again.
  - Fix the wires to the ground.



12. Installation

Refrigerant pipe installation

Selecting refrigerant pipe and branch joint for Heat Pump



● (A) ■ (B) ◆ (C)

▶ Install the refrigerant pipe according to the main pipe size of each outdoor unit capacity.

▶ When the pipe length between an outdoor unit and the farthest indoor unit including elbow exceeds 90m, the gas pipe size should be upgraded one step among the main pipes from the outdoor unit to the first branch joint. (The liquid pipe size will be maintained.)

▶ If the capacity of the outdoor unit can decline due to the pipe length, upgrade the pipe size one step (gas pipe).

※ For the case that the diameter of the default pipe of an outdoor unit does not match that of the pipe installed on the site, use a socket provided by default together with the outdoor unit of 4/5 HP.

The size of the pipe between an outdoor unit and the first branch joints (A)

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

Outdoor unit capacity (HP)	Maximum pipe length within 90 m		Maximum pipe length over 90 m	
	Liquid pipe (mm)	Gas pipe (mm)	Liquid pipe (mm)	Gas pipe (mm)
4	ø9.52	ø15.88	ø9.52	ø19.05
5	ø9.52	ø15.88	ø9.52	ø19.05
6	ø9.52	ø19.05	ø9.52	ø22.22

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

The size of the pipe between the branch joints (B)

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

※ However, if the size of the pipe between branch joints (B) is bigger than the size of the pipe connected to the outdoor unit (A), select the pipe size (A).

Indoor unit total capacity (kW)	Liquid pipe (mm)	Gas pipe (mm)
15.0 kW and below	ø9.52	ø15.88
15.1 kW ~ 20.2 kW	ø9.52	ø19.05

The size of the pipe between the branch joint and the indoor unit (C)

Make a selection according to indoor unit capacity.

Indoor unit capacity (kW)	Liquid pipe (mm)	Gas pipe (mm)
6.0 kW and below	ø6.35	ø12.70
6.1 kW ~ 16.0 kW	ø9.52	ø15.88
16.1 kW ~ 23.0 kW	ø9.52	ø19.05

12. Installation

Refrigerant pipe installation

Selecting the first branch joint (D)

Make a selection according to the outdoor unit capacity.

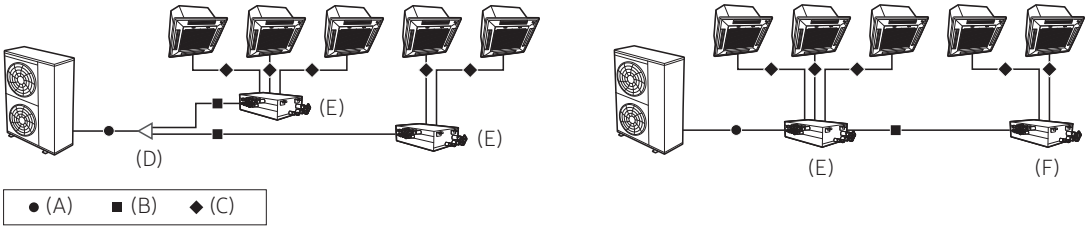
Classification	Outdoor unit capacity (HP)	Model name
Y-joint (D)	4	MXJ-YA1509M
	5	MXJ-YA1509M
	6	MXJ-YA2512M

Selecting the other branch joints (E)

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

Classification	Indoor unit total capacity after branch (kW)	Model name
Y-joint (E)	15.0 kW and below	MXJ-YA1509M
	15.1 kW ~ 20.2 kW	MXJ-YA2512M
Distribution header (E)	20.2 kW and below	MXJ-HA2512M

Selecting refrigerant pipe and branch joint for Heat Recovery



▶ Install the refrigerant pipe according to the main pipe size of each outdoor unit capacity.

▶ When the pipe length between an outdoor unit and the farthest indoor unit including elbow exceeds 90m, the gas pipe size should be upgraded one step among the main pipes from the outdoor unit to the first branch joint. (The liquid pipe size will be maintained.)

▶ If the capacity of the outdoor unit can decline due to the pipe length, upgrade the pipe size one step (gas pipe).

※ For 4/5 HP, don't need to increase the size of the liquid pipe if the pipe length exceeds 90m.

The size of the pipe between an outdoor unit and the first branch joints (A)

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

Outdoor unit capacity (HP)	Maximum pipe length within 90 m			Maximum pipe length over 90 m		
	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)
4	ø9.52	ø19.05	ø15.88	ø9.52	ø19.05	ø15.88
5	ø9.52	ø19.05	ø15.88	ø9.52	ø19.05	ø15.88
6	ø9.52	ø19.05	ø15.88	ø9.52	ø22.22	ø19.05

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

The size of the pipe between the branch joints and HR Changer, between HR Changer and MCU (B)

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

Indoor unit total capacity (kW)	Liquid pipe (mm)	Low Pressure gas pipe (mm)	High Pressure gas pipe (mm)
20.2 kW and below	ø9.52	ø19.05	ø15.88

12. Installation

Refrigerant pipe installation

The size of the pipe between HR Changer(E)/MCU(F) and the indoor unit (C)

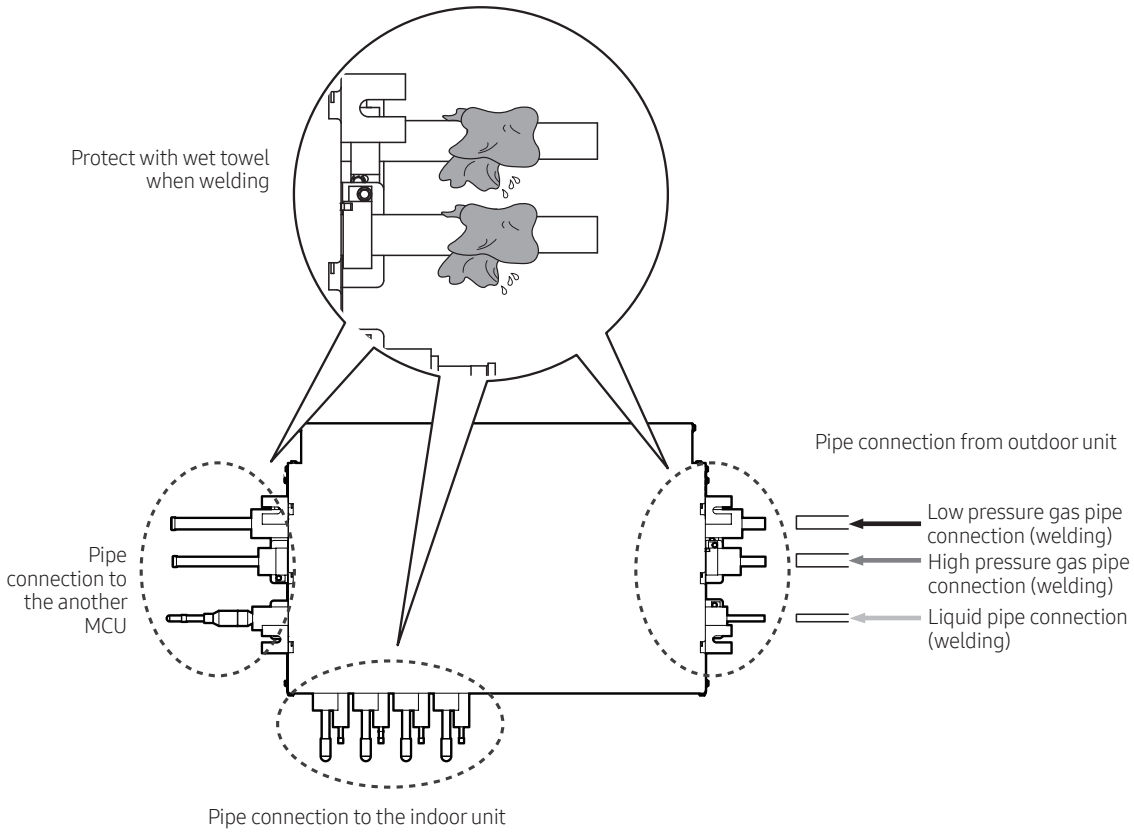
Make a selection according to indoor unit capacity.

Indoor unit capacity (kW)	Liquid pipe (mm)	Gas pipe (mm)
6.0 kW and below	ø6.35	ø12.70
6.1 kW ~ 16.0 kW	ø9.52	ø15.88
16.1 kW ~ 23.0 kW	ø9.52	ø19.05

Selecting the first branch joint (D)

The first Y-joint(D) for liquid and low pressure gas pipes is MXJ-YA2512M regardless of the outdoor unit capacity.
The first Y-joint(D) for high pressure gas pipes is MXJ-YA1500M regardless of the outdoor unit capacity.

How to connect the pipes



※ When installing the HR Changer and the MCU, use the pattern sheet for installation that is provided with the product.
※ When welding the gas pipes, protect the product with the flame-proof sheet.

CAUTION

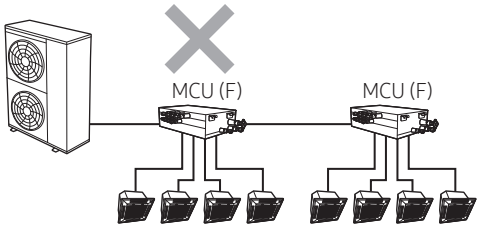
- When connecting the HR Changer with outdoor units, be attention to the direction.
  Please connect the pipes to the HR Changer referring to the label with the direction of connection on the HR Changer.
- When connecting the MCU with outdoor units, the default direction is set in the MCU.
  If installing opposite direction, weld the enclosed copper cap in each high pressure, low pressure and liquid pipes.

12. Installation

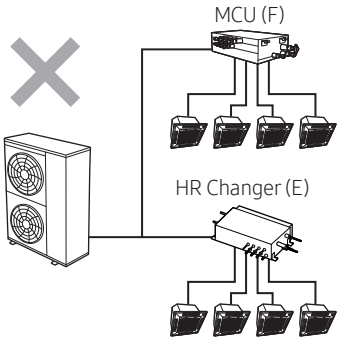
Refrigerant pipe installation

Examples of the incorrect refrigerant pipe installation for Heat Recovery

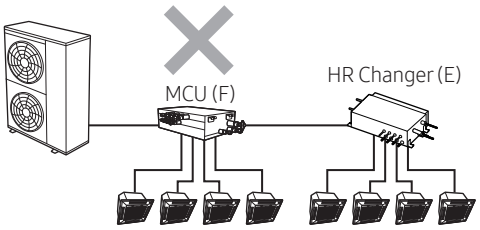
Missing HR Changer for serial installation



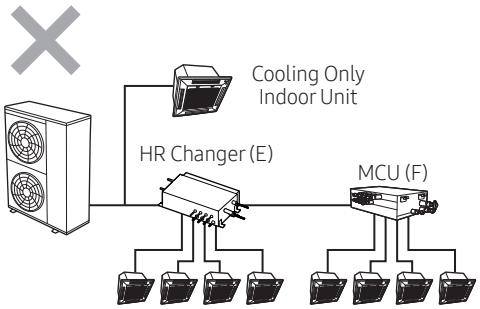
Missing HR Changer for parallel installation



Incorrect order



Branch location error



CAUTION

- HR Changer(E) can be installed in series or in parallel.
- For serial installation, the order of HR Changer(E) and MCU(F) is very important.
  HR Changer(E) must be installed after the outdoor unit.
  If MCU(F) is installed first after the outdoor unit, it will not work properly.
- For parallel installation, HR Changer(E) must be installed after the Y-joint.
  If you don't install HR Changer(E) after the Y-joint, it will not work properly.
- If you install only MCU(F) without HR Changer (E), it happen to occur the error(E214).
  Cooling only indoor units must be installed behind the HR Changer.

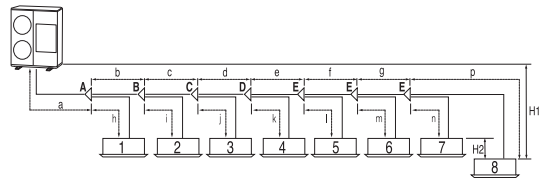
12. Installation

Refrigerant pipe installation

Allowable length of the refrigerant pipe and the installation examples for Heat Pump

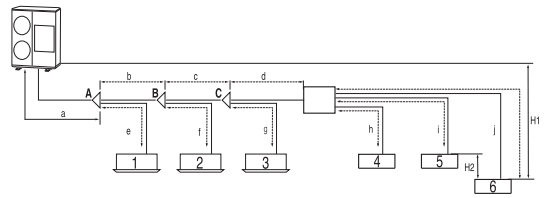
Connection by Y-joint

Outdoor unit



Connection by Y-joint/EEV kit

Outdoor unit



Classification			Y-joint connection	Y-joint / EEV kit connection
Maximum allowable length of pipe	Outdoor unit ~ Indoor units	Actual Length	The distance between the outdoor unit and the farthest indoor unit ≤ 150m	
			Ex) 8 indoor units a+b+c+d+e+f+g+p≤ 150m	Ex) 6 indoor units a+b+c+d+j ≤ 150m
		Equivalent length	The distance between an outdoor unit and the farthest indoor unit ≤ 175m	
		Main pipe length	The main pipe(a) from the outdoor unit to the first Y-joint should be less than 110m.	
		Total length	The sum of the total length of pipes should be less then 300m.	
Maximum allowable height	Outdoor unit ~ Indoor units	Height	H1: The difference of height between an outdoor unit and indoor unit < 50/40m Note1)	
		Height	H2: The difference of height between indoor units ≤ 50m But, when wall mounted type indoor units (AM****NQD**, AM****NV***) are installed, H2 is 15m or less	
Maximum allowable length after Y-joint		Actual Length	The distance between the first Y-joint and the farthest indoor unit ≤ 40m Ex) 8 indoor units b+c+d+e+f+g+p≤ 40m	Allowable length between EEV kit and an indoor unit ≤ 20m Ex) h, l, j ≤ 20m

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

※ When the equivalent length between an outdoor unit and the farthest indoor unit exceeds 90m, upgrade the low pressure pipe of the main pipe one step.

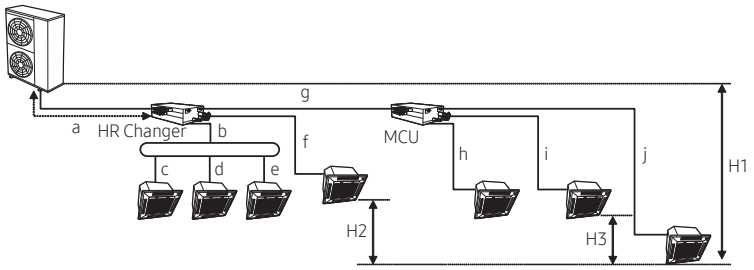
Note 1) When indoor unit is located at higher level than outdoor unit, allowable height difference is 40m, but when the indoor unit is located at lower level than outdoor unit, allowable height difference is 50m.

12. Installation

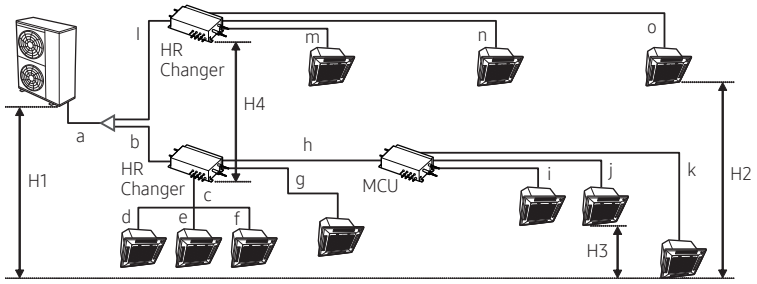
Refrigerant pipe installation

Allowable length of the refrigerant pipe and the installation examples for Heat Recovery

Installing with MCU only



Installing with MCU and Y-joint



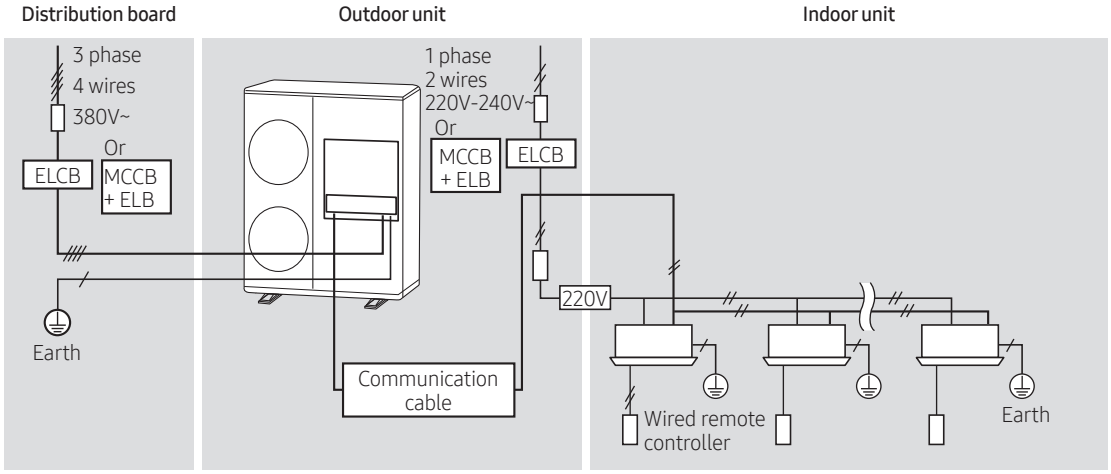
Classification			Installing with MCU only	Installing with MCU and Y-joint
Maximum allowable length of pipe	Outdoor unit ~ Indoor units	Actual Length	The distance between the outdoor unit and the farthest indoor unit ≤ 150 m	
			Ex) a+g+j ≤ 150 m	Ex) a+b+h+k ≤ 150 m
		Equivalent Length	The distance between an outdoor unit and the farthest indoor unit ≤ 175 m	
		Total Length	The sum of the total length of pipes should be less then 300 m.	
			Ex) a+b+c+d+e+f+g+h+i+j ≤ 300 m	Ex) a+b+c+...+o ≤ 300 m
	HR Changer ~ Indoor units	Pipe Length	The distance between HR Changer and the farthest indoor unit ≤ 40 m	
			Ex) b+c, b+d, b+e, f, g+h, g+i, g+j ≤ 40 m	Ex) c+d, c+e, c+f, g, h+i, h+j, h+k, m, n, o ≤ 40 m
Maximum allowable height difference	Outdoor unit ~ Indoor units	Pipe Length	H1 : The difference of height between an outdoor unit and indoor unit ≤ 50/40m Note1)	
	Indoor unit ~ Indoor units		H2 : The difference of height between indoor units ≤ 25m But when wall mounted type indoor units (AM****NQD**, AM****NV***) are installed, H2 is 15 m or less.	
	Indoor unit ~ Indoor units (in one HR Changer or MCU)		H3 : The difference of height between indoor units in one HR Changer or MCU ≤ 15m	
	HR Changer ~ HR Changer		H4 : The difference of height between HR Changers ≤ 20m	
Maximum allowable length after branch joint	First branch joint ~ Fartherst Indoor unit	Pipe Length	The distance between the first branch joint and the farthest indoor unit ≤ 40 m	
			Ex) g+j ≤ 40 m	Ex) b+h+k, l+o ≤ 40 m

Note 1) When indoor unit is located at higher level than outdoor unit, allowable height difference is 40m, but when the indoor unit is located at lower level than outdoor uint, allowable height difference is 50m.

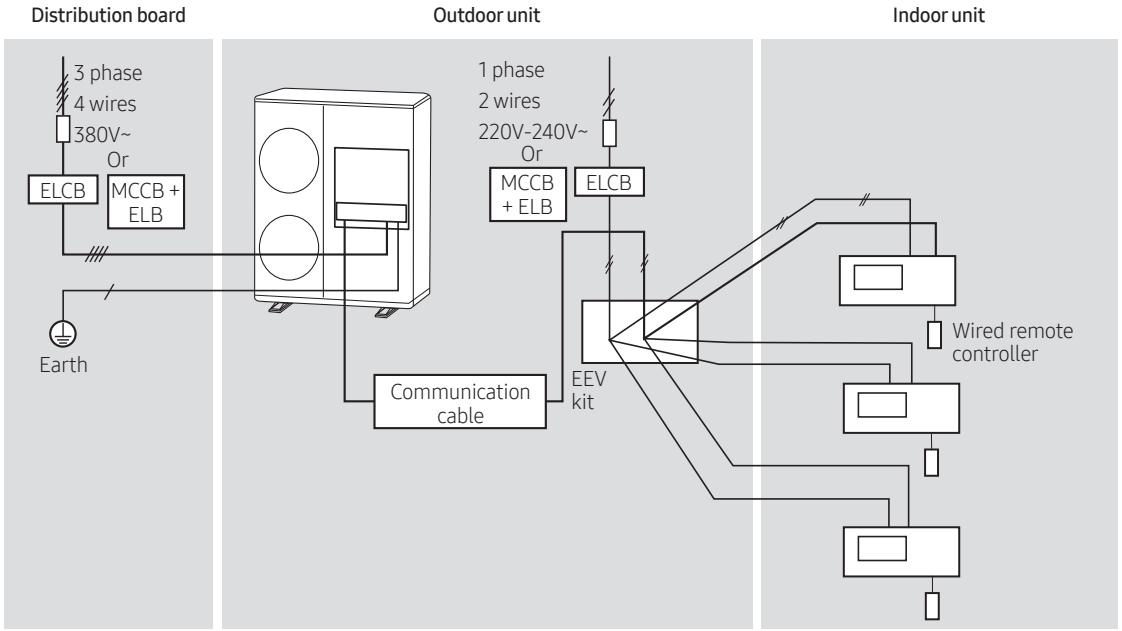
12. Installation

Wiring work

Connection of the power cable (3 phase 4 wires)



Connection of the power cable (3 phase 4 wires using EEV kit)



CAUTION

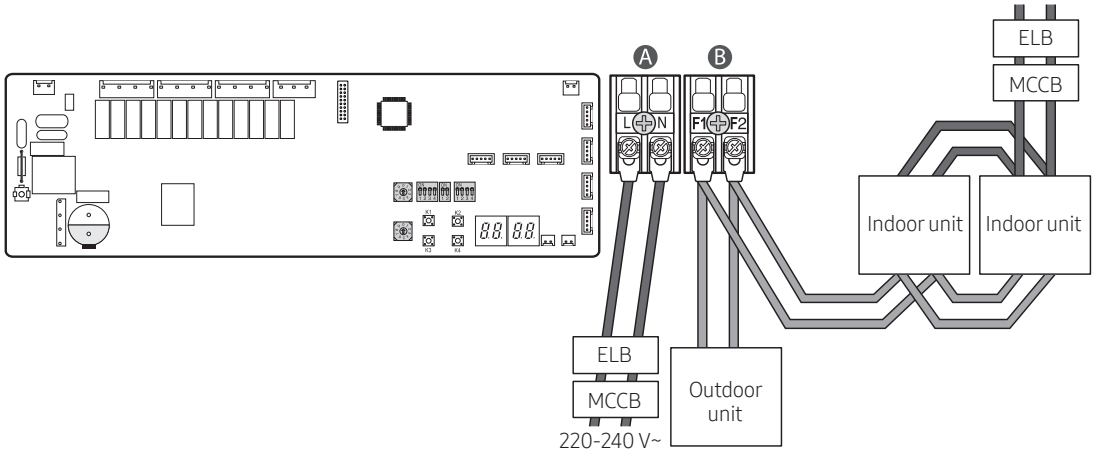
- You must install an earth leakage breaker.
  - ELCB(Earth Leakage Circuit Breaker)
  - MCCB(Molded Case Circuit Breaker)
  - ELB(Earth Leakage fuse breaker)
- Manufacturers are not responsible for fire caused by not installing ELCB or MCCB.
- Install the cabinet panel near the outdoor unit for service convenience and emergency operation switch off.
- You must install a circuit breaker that can prevent excess current and shut off the electric leakage on the outdoor unit.

12. Installation

Wiring work

Connecting the HR Changer/MCU (MCU-R4NEK0N, MCU-S6NEK3N)

Example

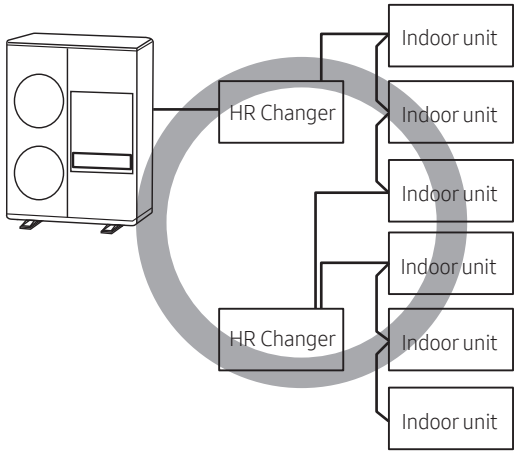


▶ Ⓐ Power must be supplied to the HR Changer/MCU separately from the outdoor unit.

▶ Ⓑ Connect the communication cable of the outdoor unit (F1, F2) to the communication cable of the HR Changer/MCU (F1, F2)

CAUTION

- Power cable connection should be done with the solderless ring terminal.



- When installing the HR Changer, communication cable can be connected as shown above.

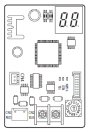
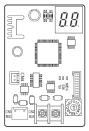
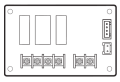
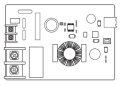
13. Accessory

Controller

Classification	Product	Model	Image	Remark	Using
Individual Control System	Wireless Remote Controller	AR-EH03E		For Wind-Free	DVM, CAC
	Wireless Remote Controller	AR-KH00E		360 CST Only	DVM, CAC
	Wired Remote Controller	MWR-WE13N		For Wind-Free	DVM, CAC
	Wired Remote Controller - Simple Type	MWR-SH00N			DVM, CAC
	Wired Remote Controller - Touch Simple Type	MWR-SH10N			DVM, CAC
	ERV Wired Remote Controller	MWR-VH12N		ERV Olny	DVM, CAC
	Wired Remote Controller	MWR-WW00N		EHS Only	EHS
	Receiver KIT	MRK-A10N			DVM, CAC
	Zone Controller	MRW-TS		External room sensor	DVM, CAC

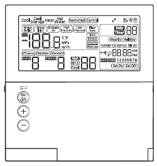
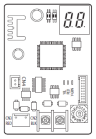
13. Accessory

Controller

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

13. Accessory

Controller

Classification	Product	Model	Image	Remark	Using
Installation /Test run Solution	S-Converter	MIM-C02N			DVM, CAC
Others	External Room Sensor	MRW-TA			DVM, CAC
	Operation Mode Selection Switch	MCM-C200			DVM
	Module Controller	MCM-A00N		CHILLER Only	CHILLER
	FCU Interface Module	MIM-F10N		CHILLER Only	CHILLER
	Modbus Interface Module	MIM-B19N			CHILLER

NOTE

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

13. Accessory

Controller

Product	Image	Model	Remark
Y-Joint		MXJ-YA1509M	15.0 kW and below
		MXJ-YA2512M	Over 15.0 kW ~ 40.0 kW and below
		MXJ-YA2812M	Over 40.0 kW ~ 45.0 kW and below
		MXJ-YA2815M	Over 45.0 kW ~ 70.3 kW and below
		MXJ-YA3419M	Over 70.3 kW ~ 98.4 kW and below
		MXJ-YA4119M	Over 98.4 kW ~ 135.2 kW and below
		MXJ-YA4422M	Over 135.2 kW
Y-Joint (Only H/R)		MXJ-YA1500M	22.4 kW and below
		MXJ-YA2500M	Over 22.4 kW ~ 70.3 kW and below
		MXJ-YA3100M	Over 70.3 kW ~ 135.2 kW and below
		MXJ-YA3800M	Over 135.2 kW
Y-Joint Outdoor Unit		MXJ-TA3419M	135.2 kW and below
		MXJ-TA4122M	140.2 kW and Over
Y-Joint (Only H/R) Outdoor Unit		MXJ-TA3100M	135.2 kW and below
		MXJ-TA3800M	140.2 kW and Over
Distribution Header		MXJ-HA2512M	45.0 kW and below (for 4 rooms)
		MXJ-HA3115M	70.3 kW and below (for 8 rooms)
		MXJ-HA3819M	Over 70.3 kW ~ 135.2 kW and below (for 8 rooms)
MCU		MCU-S6NEE1N	~56 kW, ~6 indoor units
		MCU-S4NEE1N	~56 kW, ~4 indoor units
		MCU-S4NEE2N	~56 kW, ~6 indoor units
		MCU-S2NETK1N	~28 kW, ~2 indoor units
EEV KIT		MEV-E24SA	1 Indoor
		MEV-E32SA	
		MXD-E24K132A	2 Indoor
		MXD-E24K200A	
		MXD-E32K200A	
		MXD-E24K232A	3 Indoor
		MXD-E24K300A	
		MXD-E32K224A	
		MXD-E32K300A	
PDM KIT		MXD-A38K2A	8~12 HP
		MXD-A12K2A	14~16 HP
		MXD-A58K2A	18~26 HP

NOTE

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

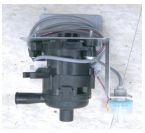
13. Accessory

Indoor

Product	Image	Model	Remark
Panel		PC1NUSMAN	1Way CST (JSF-1)
		PC1NUPMAN	1Way CST (JSF-1) (Z-sliding)
		PC1MWSKAN	1Way CST (JSF-0)
		PC1NWSMAN	1Way CST (JSF-1)
		PC1BWSMAN	1Way CST (JSF-2)
		PC1MWFMAN	Wind-free 1Way CST (Small)
		PC1NWFMAN	Wind-free 1Way CST (Middle)
		PC1BWFMAN	Wind-free 1Way CST (Large)
		PC2NUSMEN	2Way Cassette
		PC4SUSMAN	4Way Cassette (600x600) (Waffle)
		PC4SUSMEN	4Way Cassette (600x600) (Classic)
		PC4SUFMAN	Wind-Free 4 Way Cassette(600 x 600)
		PC4NUSKAN	4way Cassette (Waffle)
		PC4NUSKEN	4way Cassette (Classic)
		PC4NUFMAN	Wind-Free 4 Way Cassette
		PC4NBSKAN	4way Cassette S (Waffle, Black)
		PC4NUDMAN	360 CST Square (White)
		PC4NUNMAN	360 CST Circular (White)
		PC4NBDMAN	360 CST Square (Black)
		PC4NBNMAN	360 CST Circular (Black)

13. Accessory

Indoor

Product	Image	Model	Remark
S-Plasma Ion KIT		MSD-CAN1	[Option] 1Way, 4Way, 4Way (600x600), 360, Big Ceiling [Include] Console
		MSD-EAN1	[Option] Duct S, Big Duct, ERV, ERV Plus
Motion detect Sensor		MCR-SMA	4Way Cassette S (600x600)
ERV CO2 Sensor		MOS-C1	ERV, ERV PLUS
External room sensor		MRW-TA	Casssette, Wall-mount, Ceiling, Duct, Console
Drain Pump		MDP-N047SNC0D	OAP Duct (14.0 kW)
		MDP-N047SNC1D	HSP Duct (22.0 / 28.0 kW) OAP Duct (22.4 / 28.0 kW)
		MDP-M075SGU1D	MSP-0 / 1 Duct (9.2 / 11.2 kW)
		MDP-M075SGU2D	MSP-2 Duct (12.8 / 14.0 kW) HSP Duct (11.2 / 12.8 / 14.0 kW)
		MDP-M075SGU3D	MSP-S Duct (5.6 / 7.1 kW)
		MDP-E075SEE3D	Slim Duct (2.0~14.0 kW)
		MDP-G075SP	Duct S (External, All Capacities) BIG Duct
		MDP-G075SQ	Duct S (Internal, 3.5 kW~14 kW) BIG Duct

13. Accessory

Indoor

<table>
<tr><th>Product</th><th>Image</th><th>Model</th><th colspan="4">Remark</th></tr>
<tr><td rowspan="6">AHU KIT</td><td rowspan="4">  </td><td>MXD-K025AN</td><td colspan="4">7.0 kW~8.75 kW</td></tr>
<tr><td>MXD-K050AN</td><td colspan="4">14.0 kW~17.5 kW</td></tr>
<tr><td>MXD-K075AN</td><td colspan="4">21.0 kW~26.25 kW</td></tr>
<tr><td>MXD-K100AN</td><td colspan="4">28.0 kW~35.0 kW</td></tr>
<tr><td rowspan="2"> 
MXD -A64K100E</td><td rowspan="2">MCM-D201N</td><td>28kW~35kW</td><td>56kW~70kW</td><td>84kW~105kW</td><td>112kW~140kW</td></tr>
<tr><td>MDX-A64K100E X 1 EA</td><td>MDX-A64K100E X 2 EA</td><td>MDX-A64K100E X 3 EA</td><td>MDX-A64K100E X 4 EA</td></tr>
</table>

NOTE

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

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