SAMSUNG

VRF Technical Data Book

DVM S Eco for Turkey

(R410A, 50Hz, HP)



Model : AM***TXMDEH/TK

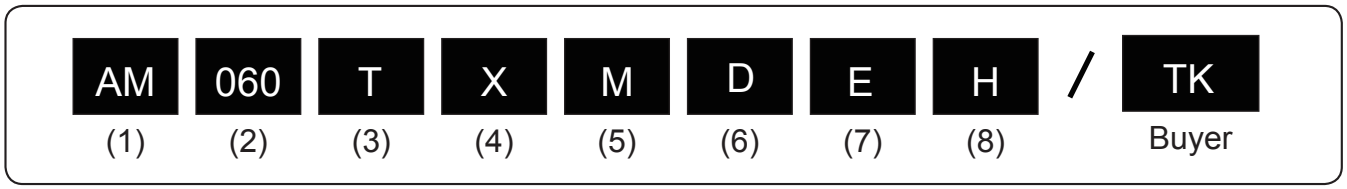
History

Version	Modification	Date	Remark
Ver.1.0	Release the DVM S Eco Turkey TDB	20.03.25	

Nomenclature

Outdoor Unit

Model Name



(1) Classification

AM	DVM

(2) Capacity

x 1/10 HP (3 digits)

(3) Version

T	2020

(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

Experience ultimate comfort at home or work with powerful yet economical performance

The VRF-based Samsung DVM S Eco system air conditioner combines world-class energy efficiency and economy to deliver outstanding performance in a space-saving design. Supporting up to nine indoor units, DVM S Eco is a perfectly optimized cooling system for residences and smaller buildings. Its lightweight, small-scale build enables easy, low-cost installation, while its uniquely quiet design ensures soothing comfort and maximum efficiency. Plus, the DVM S Eco line offers a wide range of capacities to suit every need.

The Samsung DVM S Eco system air conditioner delivers optimal comfort, efficiency and performance with features such as:

- **First-rate energy efficiency.** Save on energy consumption and operational costs with high-performance compressor technology.
- **Low noise levels.** Enjoy a more peaceful home or work environment with quiet operation, thanks to a streamlined fan design.
- **Various installation options.** Ease installation and minimize effort with a small footprint and a variety of size options.

Big capacity. Big choice.

World's largest capacity and most compact side-discharge outdoor unit, which also offers a high level of energy efficiency. It's ideal for homes or business that need plenty of coverage, but only have limited space.

Best in class capacity

Provides more coverage, but takes up less space. It has the largest capacity in its class of 14HP, enabling you to create a small footprint VRF solution. So it's ideal for installation in places with limited space.



Compact design for extra flexibility

The most compact air conditioner in its class, making it very easy and economical to install and operate without compromising on performance. It also leaves plenty of extra space that can be used for other purposes.



Advanced performance & energy efficiency

Its advanced technology radically improves performance and reduces wasted energy. It includes an innovative Digital Inverter Compressor, an optimized heat exchanger with corrugated fins and highly efficient fans.



Features & Benefits

Improved reliability in cold conditions

Featuring advanced refrigerant control technology. its flash injection provides improved heating performance at -25°C. And it continues to perform even at lower temperatures, for reliable comfort when it's freezing.



Control your cooling anywhere

An optional Wi-Fi Kit lets you remotely control indoor units using a smartphone App*. Anytime and anywhere you can turn them on and off, select the operating mode and temperature. and utilize their other functions.

* Available on iPhones and Android devices. A Wi-Fi connection is required.



Drive down costs and energy use with unmatched efficiency

Samsung DVM S Eco delivers world-class energy efficiency for today's eco- and budget-conscious businesses. Using advanced compressor technology, it offers industry-leading COP, which means exceptional heating and cooling performance at a nominal cost.

Energy-efficient compression

DVM S Eco features innovative inverter compressor, which provides a higher cooling and heating COP than that of a conventional model. The result is one of the most efficient air conditioning systems on the market and a smart investment for cost-conscious businesses



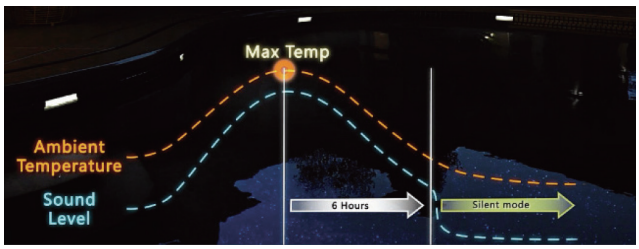
Enjoy minimal noise levels for maximum comfort

With its superior design, DVM S Eco offers a comforting environment undisturbed by bothersome noise levels typical of standard air conditioning systems. Residents can enjoy a more restful night and employees can increase focus levels with less disturbance.

Ultra-quiet operation

By producing less noise than conventional models, the DVM S ECO imposes fewer distractions on residential and working environments. Its compact, unimposing design and specially shaped fan blades help reduce sound levels up to 5 decibels, creating a more pleasant. Plus, its quiet operation during the night time creates a restful environment with a reduced noise level of 2 - 8 dB.

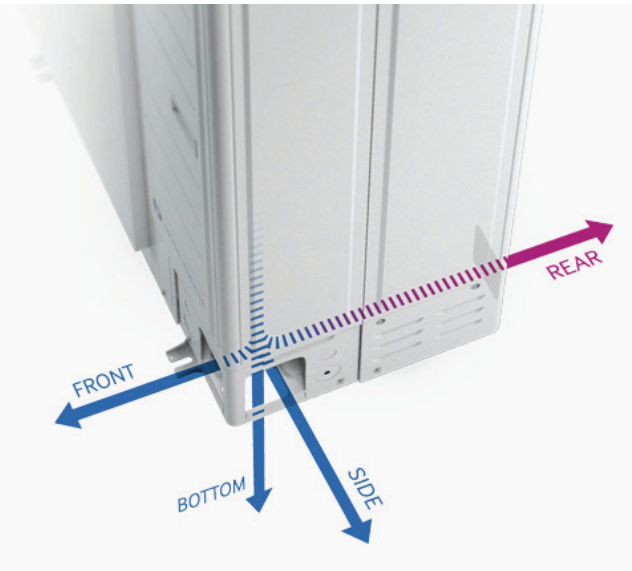
* Available in heating mode by external contact signal



Features & Benefits

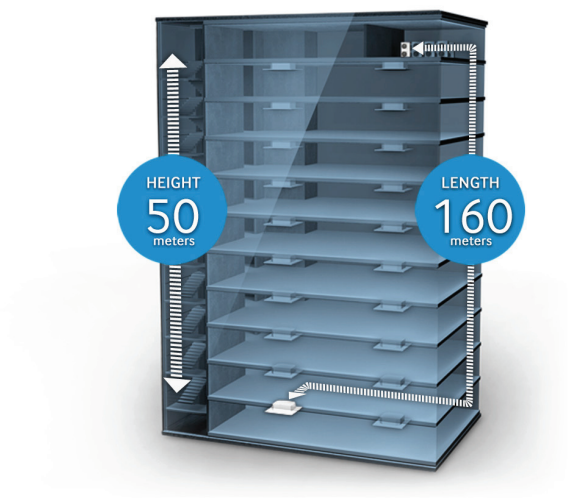
Connects more, fits more

Has a 4 way piping system, with connections at the front, side, and rear, and a 160m piping lenght, so it fits into many more places, including small or narrow spaces, and is easier to install and maintain.



Flexibly install it almost anywhere

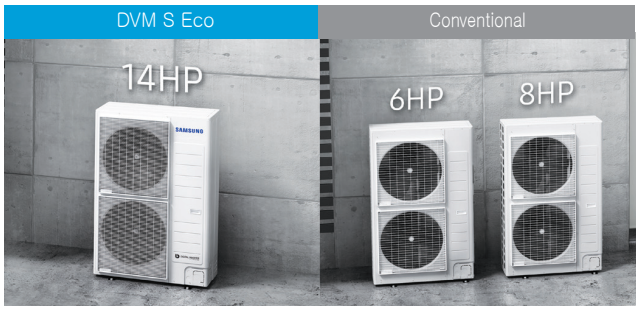
Provides the flexibility to be installed almost anywhere. regardless of its location or distance from the building. It has a piping length of up to 160m (525ft) and can reach up to a height of 50m (164ft).



Efficient space use

With a single DVM S Eco (14HP) outdoor unit, users can experience the same performance level as that of two 6+8 HP outdoor units.

The streamlined high-performance unit reduces installation space, so users can optimize more compact areas and minimize installation effort.



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1. Line up

1-1. Outdoor units

Capacity (HP)		4, 5, 6
Shape		
Model	1phase	AM040TXMDEH/TK AM050TXMDEH/TK AM060TXMDEH/TK

2. Specification

Type				DVM S Eco	DVM S Eco
Model Name				AM040TXMDEH/TK	AM050TXMDEH/TK
Power Supply			Φ, #, V, Hz	1,2,220-240,50	1,2,220-240,50
Mode			-	HEAT PUMP	HEAT PUMP
Performance	HP		HP	4	5
	Capacity	Cooling	kW	12.1	14.0
			Btu/h	41,300	47,800
		Heating	kW	13.5	16.0
			Btu/h	46,100	54,600
Maximum number of connectable indoor units			ea	6	8
	Total capacity of the connected Indoor Units	Min.	kW	5.6	7.0
		Max.	kW	15.7	18.2
Power	Power Input	Cooling [1]	kW	2.89	3.69
		Heating [2]		3.02	3.61
	Current Input	Cooling [1]	A	14.0	17.9
		Heating [2]		15.1	17.2
	Current	Minimum Ssc value	MVA	-	-
		MCA	A	22.0	24.0
		MFA	A	32	32
COP	Cooling [1]		W/W	4.19	3.79
	Heating [2]		W/W	4.47	4.43
	ESEER		W/W	7.57	6.91
Casing	Material	Cabinet	-	EGI steel plate	EGI steel plate
		Base	-	GI steel plate	GI steel plate
Heat exchanger	Type		-	Fin & Tube	Fin & Tube
	Material	Fin	-	Al	Al
		Tube	-	Cu	Cu
	Fin Treatment		-	Anti-corrosion	Anti-corrosion
Compressor	Type		-	Twin BLDC Rotary	Twin BLDC Rotary
	Output		kW × n	4.04 x 1	4.04 x 1
	Model Name		-	UG5TK5450FJX x 1	UG5TK5450FJX x 1
	Oil	Type	-	PVE	PVE
		Initial Charge	cc	1700	1700
Fan	Type		-	Propeller	Propeller
	Discharge direction		-	Horizontal	Horizontal
	Quantity		ea	2	2
	Air Flow Rate		m^3/min	100	100
			l/s	1,666.67	1,666.67
	External Static Pressure	Max.	mmAq	3	3
			Pa	29.4	29.4
Fan Motor	Model		-	BLDC Motor	BLDC Motor
	Output x n		W	125 x 2	125 x 2

2. Specification

Type				DVM S Eco	DVM S Eco
Model Name				AM040TXMDEH/TK	AM050TXMDEH/TK
Piping Connections	Liquid Pipe		Type	Braze connection	Braze connection
			Φ, mm	9.52	9.52
			Φ, inch	3/8"	3/8"
	Gas Pipe		Type	Braze connection	Braze connection
			Φ, mm	15.88	15.88
			Φ, inch	5/8"	5/8"
	Discharge Gas Pipe		Φ, mm	-	-
			Φ, inch	-	-
	Heat insulation		-	Both liquid and gas pipes	Both liquid and gas pipes
	Piping length (ODU-IDU)	Max. [Equiv.]	m	150 (175)	150 (175)
	Piping length (1st Branch-IDU)	Max.	m	40	40
	Total piping length (System)	Max.	m	300	300
	Level difference (ODU in highest position)	Max.	m	50	50
	Level difference (IDU in highest position)	Max.	m	40	40
	Level difference (IDU-IDU)	Max.	m	15	15
Wiring connections [3]	Communication	Minimum	mm^2	0.75	0.75
		Remark	-	F1,F2	F1,F2
Refrigerant	Type			R410A	R410A
	Factory Charging		kg	3.2	3.2
Sound [4]	Sound Pressure	Cooling	dB(A)	50	51
		Heating		52	53
	Sound Power			66	67
External Dimension	Net Weight		kg	98	98
	Shipping Weight		kg	108	108
	Net Dimensions (WxHxD)		mm	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
Operating Temp. Range	Cooling		℃	-5.0 ~ 48.0	-5.0 ~ 48.0
	Heating		℃	-20.0 ~ 26.0	-20.0 ~ 26.0

NOTE

- Specifications may be subject to change without prior notice.
  1) Cooling capacities are based on;
     - Indoor temperature : 27°C DB, 19°C WB
     - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m
  2) Heating capacities are based on;
     - Indoor temperature : 20°C DB, 15°C WB
     - Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m
  3) Select wire size based on the value of MCA
  4) Sound power level is an absolute value that a sound source generates.
     Sound pressure level is a relative value, depending on the distance and acoustic environment.
     Sound values are obtained in an anechoic room.
     Sound values of multi comvination are theoretical values based on sound results of individual installed units.
  5) These products contain R410A which is fluorinated greenhouse gas.

2. Specification

Type				DVM S Eco
Model Name				AM060TXMDEH/TK
Power Supply			Φ, #, V, Hz	1,2,220-240,50
Mode			-	HEAT PUMP
Performance	HP		HP	6
	Capacity	Cooling	kW	15.5
			Btu/h	52,900
		Heating	kW	18.0
			Btu/h	61,400
Maximum number of connectable indoor units			ea	9
	Total capacity of the connected Indoor Units	Min.	kW	7.8
		Max.	kW	20.2
Power	Power Input	Cooling [1]	kW	4.31
		Heating [2]		4.39
	Current Input	Cooling [1]	A	21
		Heating [2]		20.2
	Current	Minimum Ssc value	MVA	-
		MCA	A	32.0
		MFA	A	40.0
COP	Cooling [1]		W/W	3.6
	Heating [2]		W/W	4.1
	ESEER		W/W	6.45
Casing	Material	Cabinet	-	EGI steel plate
		Base	-	GI steel plate
Heat exchanger	Type		-	Fin & Tube
	Material	Fin	-	Al
		Tube	-	Cu
	Fin Treatment		-	Anti-corrosion
Compressor	Type		-	Twin BLDC Rotary
	Output		kW × n	4.04 x 1
	Model Name		-	UG5TK5450FJX x 1
	Oil	Type	-	PVE
		Initial Charge	cc	1700
Fan	Type		-	Propeller
	Discharge direction		-	Horizontal
	Quantity		ea	2
	Air Flow Rate		m^3/min	100
			l/s	1,666.67
	External Static Pressure	Max.	mmAq	3
			Pa	29.4
Fan Motor	Model		-	BLDC Motor
	Output x n		W	125 x 2

2. Specification

Type				DVM S Eco
Model Name				AM060TXMDEH/TK
Piping Connections	Liquid Pipe		Type	Braze connection
			Φ, mm	9.52
			Φ, inch	3/8"
	Gas Pipe		Type	Braze connection
			Φ, mm	19.05
			Φ, inch	3/4"
	Discharge Gas Pipe		Φ, mm	-
			Φ, inch	-
	Heat insulation		-	Both liquid and gas pipes
	Piping length (ODU-IDU)	Max. [Equiv.]	m	150 (175)
	Piping length (1st Branch-IDU)	Max.	m	40
	Total piping length (System)	Max.	m	300
	Level difference (ODU in highest position)	Max.	m	50
	Level difference (IDU in highest position)	Max.	m	40
	Level difference (IDU-IDU)	Max.	m	15
Wiring connections [3]	Communication	Minimum	mm^2	0.75
		Remark	-	F1,F2
Refrigerant	Type			R410A
	Factory Charging		kg	3.3
Sound [4]	Sound Pressure	Cooling	dB(A)	53
		Heating		55
	Sound Power			69
External Dimension	Net Weight		kg	101
	Shipping Weight		kg	110
	Net Dimensions (WxHxD)		mm	940 x 1,210 x 330
	Shipping Dimensions (WxHxD)		mm	995 x 1,388 x 426
Operating Temp. Range	Cooling		℃	-5.0 ~ 48.0
	Heating		℃	-20.0 ~ 26.0

NOTE

- Specifications may be subject to change without prior notice.

1) Cooling capacities are based on;
   - Indoor temperature : 27°C DB, 19°C WB
   - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m
2) Heating capacities are based on;
   - Indoor temperature : 20°C DB, 15°C WB
   - Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m
3) Select wire size based on the value of MCA
4) Sound power level is an absolute value that a sound source generates.
   Sound pressure level is a relative value, depending on the distance and acoustic environment.
   Sound values are obtained in an anechoic room.
   Sound values of multi comvination are theoretical values based on sound results of individual installed units.
5) These products contain R410A 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	AM040FXMDEH/TK	1	2	50	220~240	198	264	14.00	15.10	22.0	32.0	0.250
5	14.0	AM050FXMDEH/TK	1	2	50	220~240	198	264	17.90	17.20	24.0	32.0	0.250
6	15.5	AM060FXMDEH/TK	1	2	50	220~240	198	264	21.00	20.20	32.0	40.0	0.250

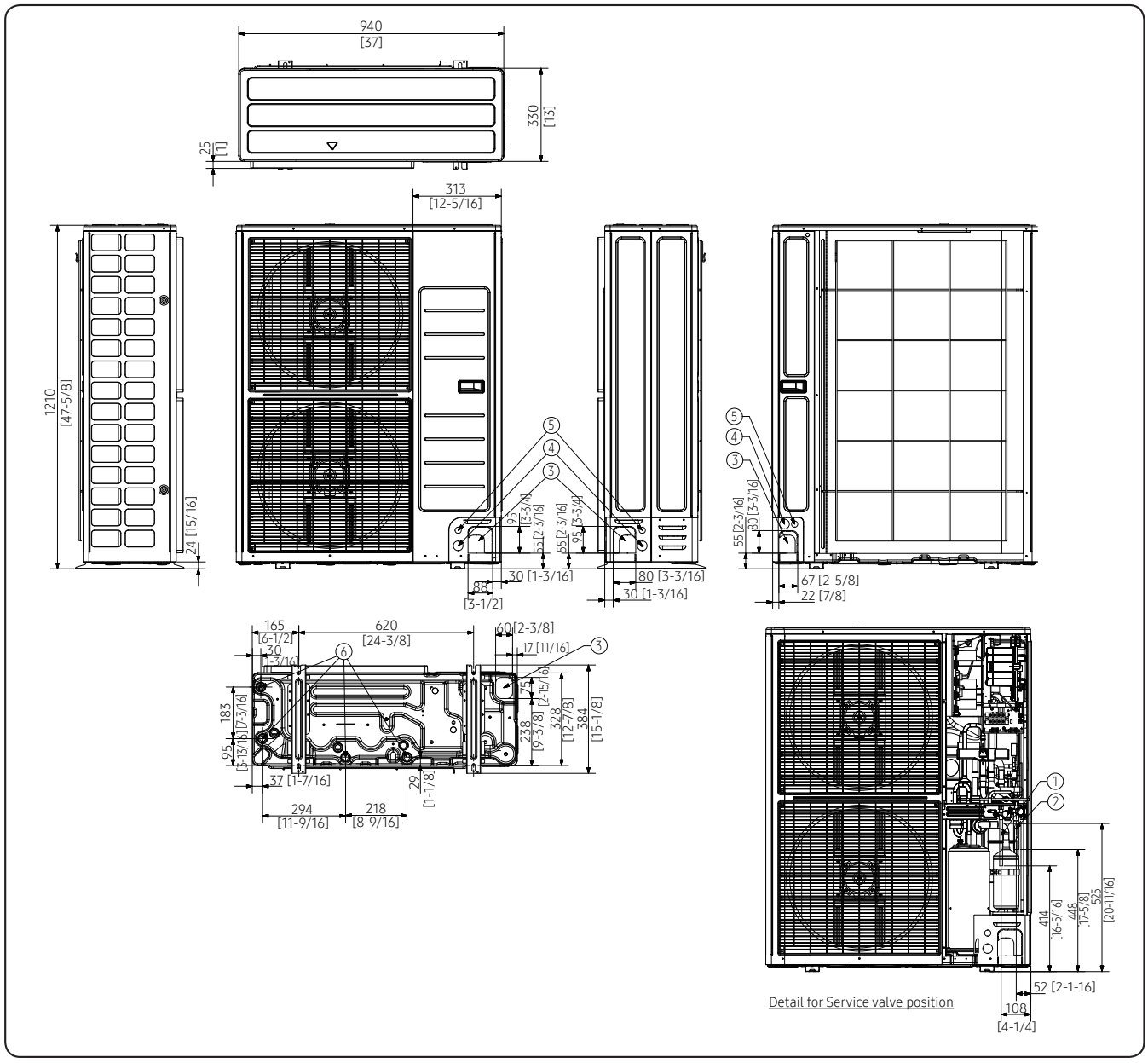
NOTE

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

4. Dimensional Drawing

AM040TXMDEH/TK, AM050TXMDEH/TK, AM060TXMDEH/TK

Units : mm [inches]

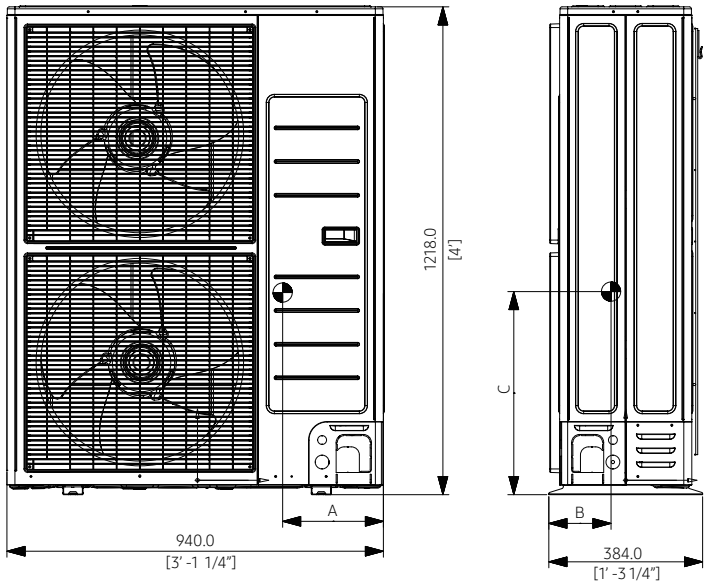


NO	Name	Description	
		4 / 5 HP	6 HP
1	Refrigerant liquid pipe	Φ9.52 (Φ3/8)	
2	Refrigerant gas pipe	Φ15.88 (Φ5/8)	Φ19.05 (Φ3/4)
3	Knockout hole for pipe intake	Front / Side / Rear / Bottom	
4	Power wiring conduits	Front / Side / Rear, Φ34 (Φ1-3/8)	
5	Communication wiring conduits	Front / Side / Rear,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

5. Center of Gravity

AM040TXMDEH/TK, AM050TXMDEH/TK, AM060TXMDEH/TK

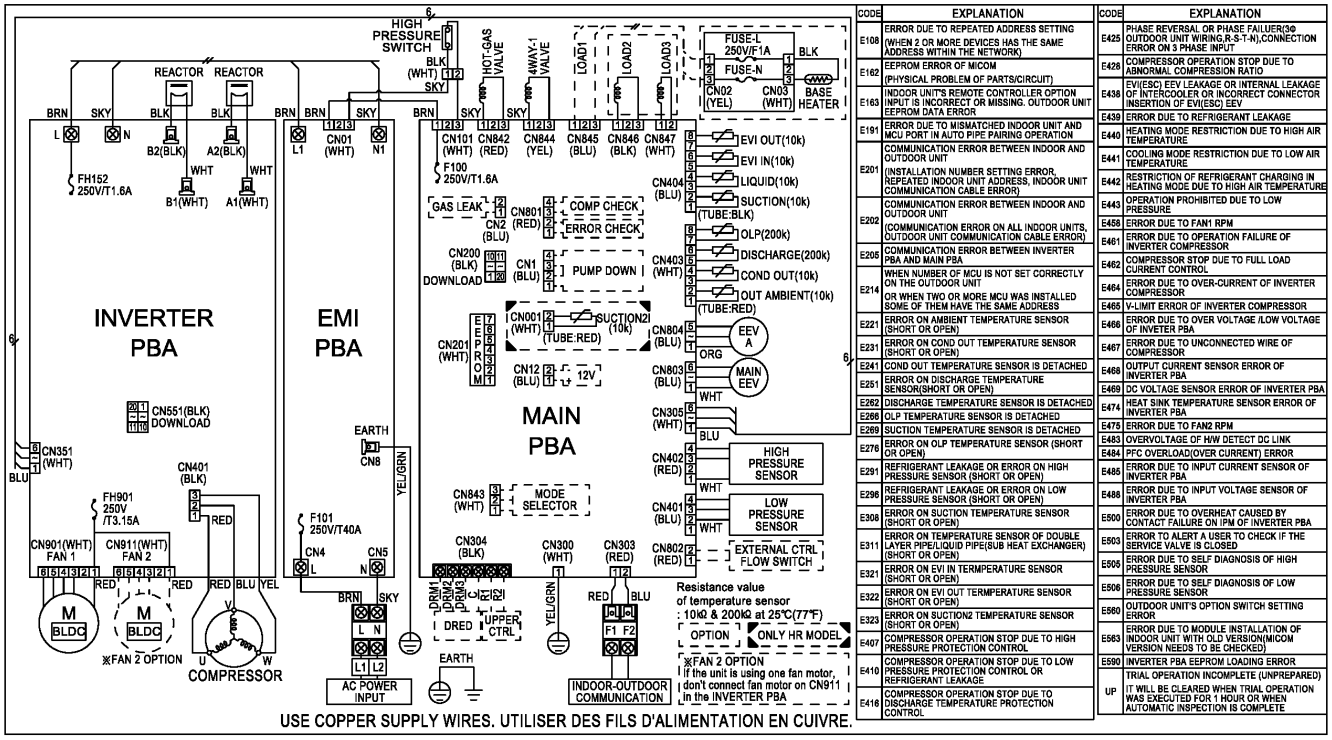
Units : mm [inches]



Model	A	B	C
AM040TXMDEH/TK	372	165	557
AM050TXMDEH/TK	372	165	557
AM060TXMDEH/TK	375	172	557

6. Electrical Wiring Diagram

AM040TXMDEH/TK, AM050TXMDEH/TK, AM060TXMDEH/TK



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

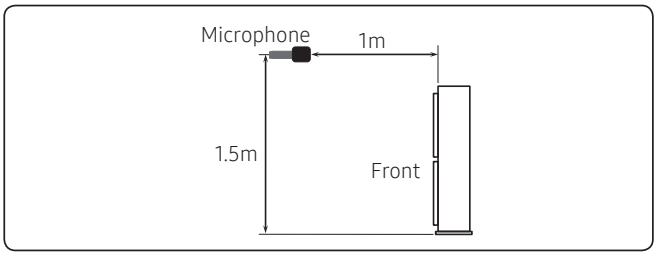
CODE	EXPLANATION
E425	PHASE REVERSAL OR PHASE FAILUER(3Φ OUTDOOR UNIT WIRING,R-S-T-N),CONNECTION ERROR ON 3 PHASE INPUT
E426	COMPRESSOR OPERATION STOP DUE TO ABNORMAL COMPRESSION RATIO
E438	EVI(ESC) EEV LEAKAGE OR INTERNAL LEAKAGE OF INTERCOOLER OR INCORRECT CONNECTOR INSERTION OF EVI(ESC) EEV
E439	ERROR 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
E486	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, : The quantity

7. Sound Data

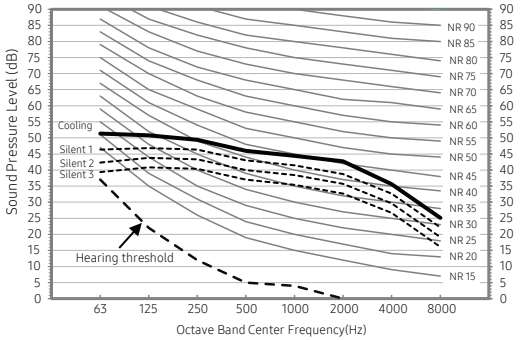


Unit: dB(A)

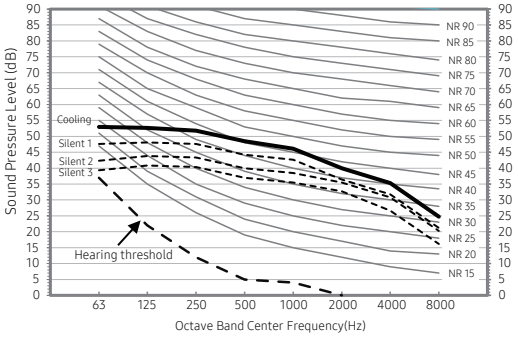
Model	Cooling	Silent1	Silent2	Silent3
AM040TXMDEH/TK	50	47	44	41
AM050TXMDEH/TK	51	48	45	42
AM060TXMDEH/TK	53	50	47	44

- NR Curve

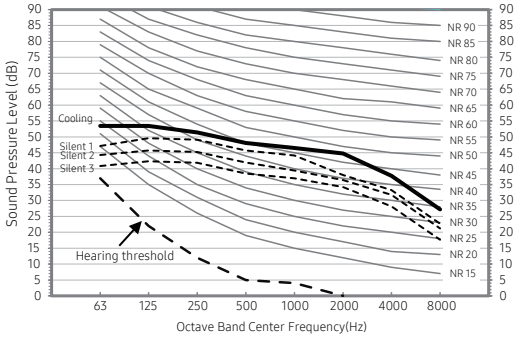
1) AM040TXMDEH/TK



2) AM050TXMDEH/TK



3) AM060TXMDEH/TK



NOTE

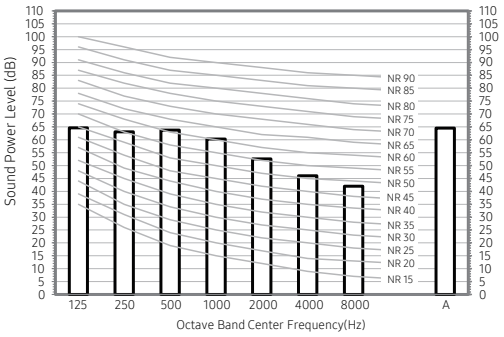
- Specifications may be subject to change without prior notice.
- Sound pressure Level
  - Sound pressure level is obtained in an anechoic room.
  - Sound pressure level is a relative value, depending on the distance and acoustic environment.
  - Sound pressure level may differ depending on operation 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

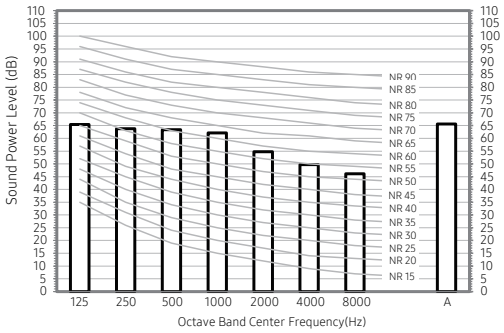
Unit: dB(A)

Model	Power
AM040TXMDEH/TK	66
AM050TXMDEH/TK	67
AM060TXMDEH/TK	69

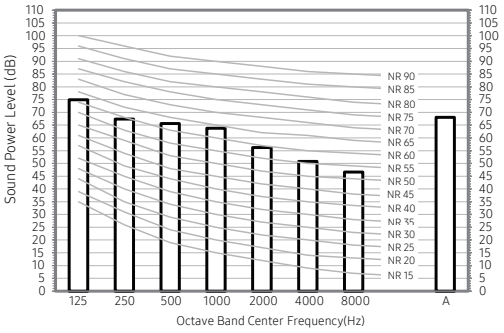
1) AM040TXMDEH/TK



2) AM050TXMDEH/TK



3) AM060TXMDEH/TK



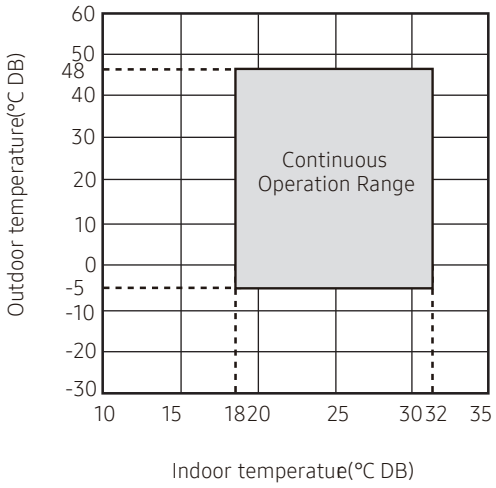
NOTE

- 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.

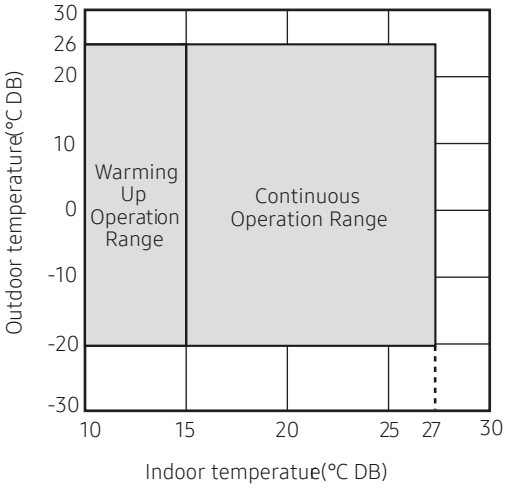
8. Operation Range

AM040TXMDEH/TK, AM050TXMDEH/TK, AM060TXMDEH/TK

Cooling



Heating



8. Operation Range

Defrosting correction factor

The heating capacity tables do not take account of the reduction in capacity, when frost has accumulated or while the defrosting operation is in progress. The capacity values, which take these factors into account, in other words, the integrated heating capacity values, can be calculated as follows :

(1) Formula : A = B × C

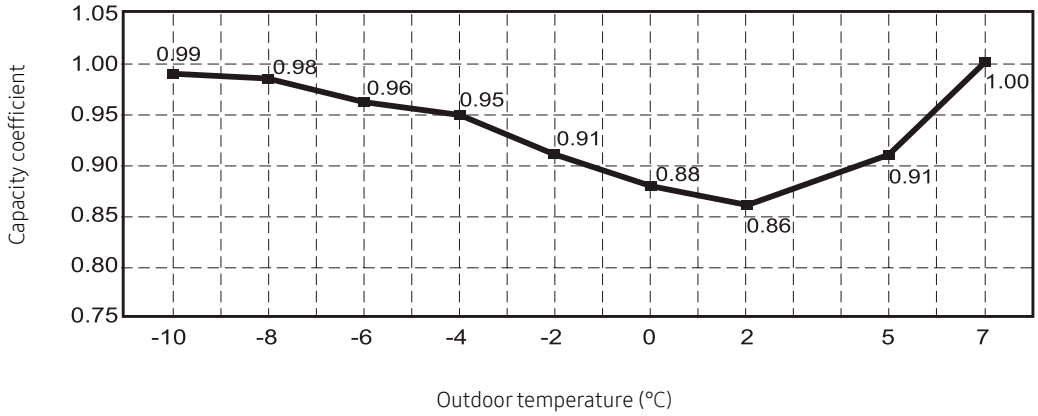
(2) Integrated heating capacity = A

(3) Value given in table of capacity characteristics = B

(4) Integrating correction factor for frost accumulation (kW) = C

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

Capacity coefficient of outdoor unit on defrost operation



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

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

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

During defrost operation, capacity of outdoor unit may decrease.

The decrement is not considered to the individual capacity tables.

This figure shows an effect of intelligence defrost operation

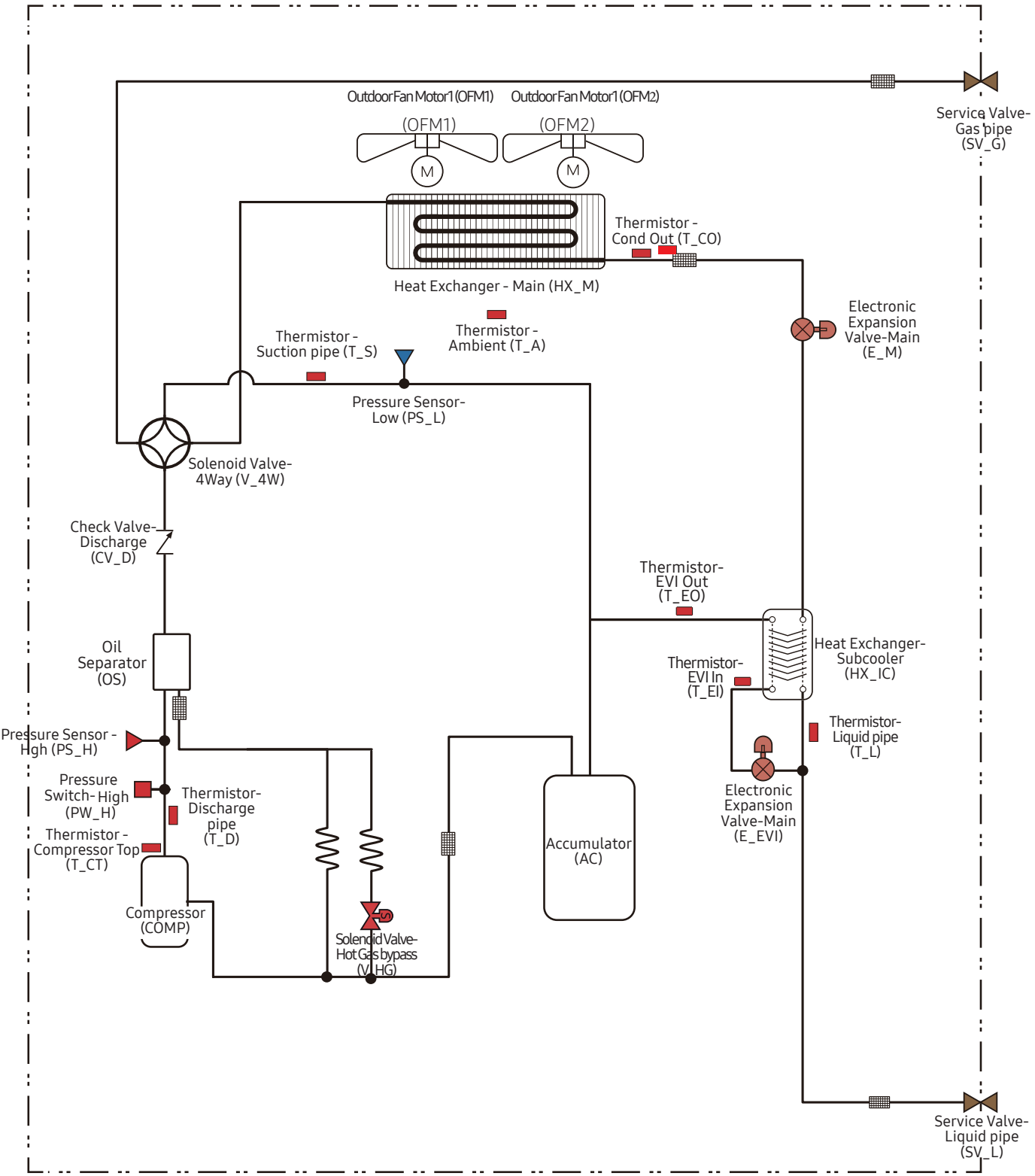
It is actually the frost occurrence section from 0 °C or less.

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

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

9. Piping Diagram

AM040TXMDEH/TK, AM050TXMDEH/TK, AM060TXMDEH/TK



10. Capacity Table

AM040TXMDEH/TK

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	10.80	1.32	12.80	1.62	14.90	1.92	16.00	2.07	16.80	2.18	17.20	2.09	17.50	1.99
	12	10.80	1.34	12.80	1.64	14.90	1.96	15.90	2.11	16.60	2.17	16.90	2.07	17.40	2.03
	14	10.80	1.37	12.80	1.68	14.90	1.99	15.90	2.15	16.30	2.15	16.70	2.14	17.10	2.15
	16	10.80	1.40	12.80	1.71	14.90	2.03	15.90	2.22	16.10	2.23	16.40	2.25	16.90	2.27
	18	10.80	1.42	12.80	1.74	14.90	2.17	15.60	2.33	15.80	2.34	16.20	2.36	16.60	2.38
	20	10.70	1.45	12.70	1.86	14.80	2.33	15.50	2.45	15.60	2.46	16.00	2.47	16.40	2.51
	21	10.70	1.49	12.70	1.92	14.80	2.42	15.30	2.51	15.50	2.52	15.90	2.54	16.30	2.56
	23	10.70	1.59	12.70	2.06	14.80	2.59	15.10	2.62	15.20	2.63	15.70	2.65	16.00	2.68
	25	10.70	1.71	12.70	2.21	14.60	2.72	14.90	2.73	15.10	2.75	15.40	2.77	15.80	2.80
	27	10.70	1.83	12.70	2.36	14.40	2.84	14.60	2.84	14.80	2.86	15.20	2.89	15.60	2.91
	29	10.70	1.95	12.70	2.52	14.20	2.94	14.40	2.96	14.60	2.98	14.90	3.01	15.40	3.03
	31	10.70	2.07	12.70	2.70	14.00	3.06	14.10	3.08	14.30	3.09	14.80	3.12	15.10	3.16
	33	10.70	2.21	12.70	2.88	13.70	3.18	14.00	3.20	14.10	3.21	14.50	3.24	14.90	3.27
	35	10.60	2.36	12.60	3.07	13.50	3.30	13.70	3.31	13.80	3.33	14.30	3.36	14.60	3.40
	37	10.30	2.51	12.20	3.27	12.80	3.41	13.10	3.43	13.20	3.45	13.60	3.49	14.00	3.52
	39	10.10	2.67	12.00	3.49	12.40	3.53	12.60	3.54	12.70	3.57	13.10	3.60	13.50	3.64
	42	10.10	2.84	12.00	3.71	12.20	3.65	12.30	3.66	12.50	3.68	13.00	3.72	13.20	3.76
	44	10.10	2.99	12.00	3.92	12.10	3.77	12.10	3.77	12.20	3.81	12.80	3.85	13.00	3.88
	46	10.10	3.16	12.00	4.14	11.90	3.90	11.80	3.89	12.00	3.93	12.60	3.97	12.70	4.00
120	10	9.90	1.21	11.80	1.47	13.80	1.75	14.70	1.89	15.70	2.03	16.90	2.15	17.30	2.07
	12	9.90	1.23	11.80	1.50	13.80	1.78	14.70	1.92	15.70	2.07	16.70	2.14	17.00	2.05
	14	9.90	1.25	11.80	1.53	13.70	1.82	14.70	1.96	15.70	2.11	16.50	2.13	16.80	2.14
	16	9.90	1.27	11.80	1.55	13.70	1.85	14.70	2.01	15.70	2.17	16.20	2.24	16.50	2.25
	18	9.90	1.30	11.80	1.59	13.70	1.92	14.70	2.12	15.60	2.33	16.00	2.35	16.30	2.37
	20	9.90	1.32	11.80	1.65	13.70	2.06	14.70	2.29	15.40	2.44	15.70	2.47	16.10	2.48
	21	9.90	1.34	11.80	1.71	13.70	2.14	14.60	2.37	15.30	2.51	15.60	2.52	16.00	2.54
	23	9.80	1.43	11.80	1.83	13.70	2.29	14.60	2.54	15.00	2.62	15.40	2.64	15.80	2.66
	25	9.80	1.52	11.70	1.96	13.70	2.46	14.60	2.72	14.80	2.73	15.10	2.75	15.50	2.78
	27	9.80	1.63	11.70	2.10	13.60	2.62	14.30	2.84	14.50	2.84	15.00	2.87	15.30	2.89
	29	9.80	1.74	11.70	2.25	13.60	2.80	14.20	2.94	14.30	2.96	14.70	2.98	15.00	3.02
	31	9.80	1.85	11.70	2.39	13.60	3.00	13.90	3.06	14.10	3.07	14.50	3.10	14.80	3.13
	33	9.80	1.97	11.70	2.55	13.50	3.16	13.70	3.17	13.90	3.19	14.20	3.22	14.60	3.25
	35	9.80	2.10	11.70	2.72	13.20	3.27	13.40	3.29	13.70	3.31	14.00	3.34	14.30	3.37
	37	9.50	2.24	11.30	2.90	12.70	3.39	12.80	3.41	13.00	3.42	13.30	3.46	13.70	3.49
	39	9.30	2.38	11.10	3.09	12.20	3.51	12.40	3.53	12.60	3.54	12.90	3.58	13.20	3.61
	42	9.30	2.52	11.10	3.27	11.90	3.63	12.20	3.64	12.40	3.67	12.70	3.70	13.10	3.73
	44	9.30	2.66	11.10	3.46	11.70	3.75	12.10	3.75	12.20	3.79	12.60	3.82	12.90	3.86
	46	9.30	2.80	11.10	3.65	11.40	3.87	11.90	3.86	12.10	3.90	12.40	3.94	12.70	3.97
110	10	9.10	1.09	10.90	1.34	12.60	1.59	13.50	1.71	14.40	1.84	16.10	2.10	16.90	2.14
	12	9.10	1.12	10.90	1.36	12.60	1.61	13.50	1.74	14.40	1.88	16.10	2.14	16.70	2.13
	14	9.10	1.13	10.90	1.38	12.60	1.64	13.50	1.78	14.40	1.92	16.10	2.18	16.50	2.13
	16	9.10	1.15	10.80	1.41	12.60	1.68	13.50	1.81	14.30	1.95	15.90	2.22	16.30	2.25
	18	9.10	1.18	10.80	1.44	12.60	1.71	13.50	1.86	14.30	2.05	15.70	2.33	16.00	2.36
	20	9.10	1.20	10.80	1.47	12.60	1.81	13.40	2.00	14.30	2.20	15.50	2.45	15.80	2.47
	21	9.10	1.22	10.80	1.51	12.60	1.87	13.40	2.07	14.30	2.29	15.30	2.51	15.70	2.52
	23	9.10	1.27	10.80	1.62	12.50	2.01	13.40	2.22	14.30	2.45	15.10	2.62	15.40	2.64
	25	9.00	1.36	10.80	1.74	12.50	2.15	13.40	2.38	14.30	2.62	14.90	2.73	15.20	2.76
	27	9.00	1.45	10.80	1.85	12.50	2.30	13.40	2.55	14.30	2.80	14.60	2.85	15.00	2.87
	29	9.00	1.55	10.80	1.97	12.50	2.47	13.40	2.73	14.10	2.94	14.40	2.97	14.80	2.98
	31	9.00	1.64	10.80	2.10	12.50	2.62	13.40	2.91	13.90	3.05	14.10	3.08	14.50	3.11
	33	9.00	1.74	10.80	2.25	12.50	2.80	13.40	3.11	13.60	3.16	14.00	3.20	14.30	3.22
	35	9.00	1.86	10.70	2.39	12.40	2.99	13.20	3.27	13.40	3.29	13.70	3.31	14.00	3.35
	37	8.70	1.97	10.40	2.54	12.10	3.19	12.60	3.39	12.70	3.40	13.10	3.43	13.40	3.46
	39	8.50	2.10	10.20	2.71	11.80	3.40	12.20	3.50	12.30	3.52	12.60	3.55	12.90	3.58
	42	8.50	2.23	10.20	2.88	11.80	3.60	12.00	3.62	12.20	3.63	12.50	3.68	12.60	3.69
	44	8.50	2.36	10.20	3.05	11.80	3.82	11.80	3.73	12.00	3.75	12.30	3.79	12.40	3.81
	46	8.50	2.48	10.20	3.21	11.80	4.02	11.70	3.85	11.80	3.86	12.20	3.91	12.20	3.92
100	10	8.30	0.99	9.90	1.19	11.50	1.41	12.30	1.53	13.10	1.65	14.60	1.88	16.30	2.12
	12	8.30	1.01	9.90	1.23	11.50	1.45	12.30	1.56	13.10	1.68	14.60	1.92	16.30	2.16
	14	8.30	1.02	9.90	1.24	11.50	1.47	12.30	1.59	13.00	1.71	14.60	1.96	16.20	2.19
	16	8.30	1.04	9.90	1.27	11.50	1.50	12.20	1.63	13.00	1.74	14.60	1.99	15.90	2.22
	18	8.30	1.06	9.90	1.29	11.40	1.53	12.20	1.66	13.00	1.78	14.60	2.10	15.70	2.33
	20	8.20	1.08	9.90	1.32	11.40	1.58	12.20	1.74	13.00	1.91	14.60	2.27	15.50	2.45
	21	8.20	1.09	9.90	1.33	11.40	1.63	12.20	1.80	13.00	1.97	14.60	2.35	15.30	2.51
	23	8.20	1.12	9.80	1.41	11.40	1.75	12.20	1.92	13.00	2.12	14.50	2.52	15.20	2.62
	25	8.20	1.19	9.80	1.52	11.40	1.87	12.20	2.07	13.00	2.27	14.50	2.70	14.90	2.74
	27	8.20	1.27	9.80	1.62	11.40	2.00	12.20	2.21	13.00	2.43	14.30	2.84	14.70	2.85
	29	8.20	1.36	9.80	1.73	11.40	2.14	12.20	2.36	12.90	2.59	14.20	2.94	14.40	2.97
	31	8.20	1.45	9.80	1.84	11.40	2.29	12.20	2.52	12.90	2.77	13.90	3.06	14.20	3.08
	33	8.20	1.54	9.80	1.96	11.40	2.43	12.10	2.69	12.90	2.96	13.70	3.17	14.00	3.20
	35	8.20	1.63	9.80	2.08	11.30	2.59	12.10	2.89	12.90	3.16	13.40	3.29	13.70	3.31
	37	7.90	1.74	9.50	2.21	11.00	2.76	11.70	3.05	12.50	3.36	12.80	3.41	13.10	3.44
	39	7.80	1.84	9.30	2.36	10.80	2.94	11.50	3.26	12.10	3.49	12.30	3.53	12.60	3.55
	42	7.80	1.95	9.30	2.50	10.80	3.12	11.50	3.46	11.90	3.63	12.10	3.64	12.50	3.67
	44	7.80	2.06	9.30	2.64	10.80	3.31	11.50	3.66	11.70	3.77	11.80	3.75	12.30	3.78
	46	7.80	2.16	9.30	2.78	10.80	3.49	11.50	3.86	11.60	3.90	11.60	3.86	12.20	3.90
90	10	7.50	0.89	8.90	1.07	10.40	1.26	11.10	1.36	11.80	1.46	13.20	1.66	14.60	1.88
	12	7.50	0.90	8.90	1.08	10.30	1.28	11.00	1.38	11.70	1.49	13.20	1.70	14.60	1.92
	14	7.40	0.91	8.80	1.11	10.30	1.31	11.00	1.41	11.70	1.52	13.20	1.74	14.60	1.96
	16	7.40	0.93	8.80	1.13	10.30	1.33	11.00	1.44	11.70	1.55	13.20	1.77	14.60	1.99
	18	7.40	0.95	8.80	1.15	10.30	1.36	11.00	1.46	11.70	1.58	13.20	1.80	14.60	2.10
	20	7.40	0.97	8.80	1.17	10.30	1.38	11.00	1.50	11.70	1.64	13.20	1.93	14.60	2.26
	21	7.40	0.97	8.80	1.18	10.30	1.41	11.00	1.55	11.70	1.69	13.20	2.01	14.60	2.34
	23	7.40	1.00	8.80	1.23	10.30	1.50	11.00	1.66	11.70	1.81	13.20	2.15	14.50	2.52
	25	7.40	1.04	8.80	1.31	10.30	1.61	11.00	1.77	11.70	1.94	13.10	2.30	14.50	2.70
	27	7.40	1.12	8.80	1.40	10.30	1.72	11.00	1.89	11.70	2.07	13.10	2.47	14.30	2.84
	29	7.40	1.18	8.80	1.49	10.30	1.83	10.90	2.02	11.60	2.21	13.10	2.63	14.20	2.94
	31	7.40	1.26	8.80	1.59	10.20	1.96	10.90	2.15	11.60	2.36	13.10	2.81	13.90	3.06
	33	7.40	1.34	8.80	1.69	10.20	2.09	10.90	2.29	11.60	2.52	13.10	3.00	13.70	3.17
	35	7.30	1.41	8.70	1.80	10.20	2.22	10.90	2.45	11.60	2.69	13.10	3.20	13.40	3.29

10. Capacity Table

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
90	37	7.10	1.50	8.50	1.92	9.90	2.36	10.60	2.62	11.20	2.87	12.60	3.38	12.80	3.41
	39	7.00	1.59	8.30	2.03	9.70	2.52	10.30	2.78	11.00	3.05	12.10	3.49	12.30	3.53
	42	7.00	1.69	8.30	2.14	9.70	2.67	10.30	2.94	11.00	3.24	11.80	3.61	12.10	3.64
	44	7.00	1.78	8.30	2.25	9.70	2.83	10.30	3.12	11.00	3.43	11.60	3.72	11.80	3.75
	46	7.00	1.88	8.30	2.37	9.70	2.98	10.30	3.28	11.00	3.62	11.30	3.84	11.60	3.86
80	10	6.60	0.79	7.90	0.94	9.20	1.10	9.80	1.19	10.40	1.27	11.80	1.45	13.00	1.64
	12	6.60	0.80	7.90	0.95	9.20	1.12	9.80	1.21	10.40	1.30	11.70	1.48	13.00	1.67
	14	6.60	0.81	7.90	0.97	9.20	1.15	9.80	1.23	10.40	1.32	11.70	1.51	13.00	1.70
	16	6.60	0.82	7.90	1.00	9.20	1.17	9.80	1.26	10.40	1.35	11.70	1.55	12.90	1.74
	18	6.60	0.84	7.90	1.01	9.20	1.19	9.80	1.28	10.40	1.37	11.70	1.57	12.90	1.77
	20	6.60	0.86	7.90	1.03	9.20	1.21	9.80	1.31	10.40	1.41	11.70	1.63	12.90	1.89
	21	6.60	0.86	7.90	1.04	9.20	1.23	9.80	1.32	10.40	1.43	11.70	1.69	12.90	1.96
	23	6.60	0.88	7.90	1.05	9.10	1.28	9.80	1.41	10.40	1.53	11.70	1.81	12.90	2.10
	25	6.60	0.90	7.80	1.13	9.10	1.37	9.70	1.50	10.40	1.64	11.70	1.93	12.90	2.25
	27	6.60	0.96	7.80	1.20	9.10	1.46	9.70	1.60	10.30	1.75	11.70	2.07	12.90	2.41
	29	6.60	1.02	7.80	1.27	9.10	1.55	9.70	1.71	10.30	1.87	11.60	2.21	12.90	2.58
	31	6.60	1.08	7.80	1.36	9.10	1.66	9.70	1.82	10.30	1.99	11.60	2.36	12.80	2.75
	33	6.60	1.15	7.80	1.45	9.10	1.77	9.70	1.94	10.30	2.12	11.60	2.51	12.80	2.94
	35	6.50	1.23	7.80	1.53	9.10	1.88	9.70	2.07	10.30	2.26	11.60	2.68	12.80	3.13
	37	6.30	1.30	7.60	1.63	8.80	2.00	9.40	2.20	10.00	2.40	11.20	2.85	12.40	3.35
	39	6.20	1.37	7.40	1.73	8.60	2.12	9.20	2.33	9.80	2.57	11.00	3.04	12.10	3.49
	42	6.20	1.45	7.40	1.83	8.60	2.25	9.20	2.47	9.80	2.73	11.00	3.23	12.00	3.65
	44	6.20	1.54	7.40	1.92	8.60	2.36	9.20	2.62	9.80	2.89	11.00	3.42	11.90	3.81
	46	6.20	1.62	7.40	2.03	8.60	2.48	9.20	2.76	9.80	3.05	11.00	3.60	11.80	3.96
70	10	5.80	0.69	6.90	0.82	8.00	0.95	8.60	1.03	9.10	1.10	10.30	1.25	11.40	1.41
	12	5.80	0.70	6.90	0.83	8.00	0.97	8.60	1.04	9.10	1.12	10.30	1.27	11.40	1.43
	14	5.80	0.71	6.90	0.85	8.00	0.99	8.60	1.07	9.10	1.14	10.20	1.30	11.40	1.45
	16	5.80	0.72	6.90	0.86	8.00	1.01	8.60	1.08	9.10	1.16	10.20	1.32	11.40	1.49
	18	5.80	0.73	6.90	0.88	8.00	1.03	8.60	1.10	9.10	1.18	10.20	1.35	11.40	1.52
	20	5.80	0.75	6.90	0.90	8.00	1.04	8.60	1.13	9.10	1.21	10.20	1.37	11.30	1.55
	21	5.80	0.75	6.90	0.90	8.00	1.05	8.50	1.13	9.10	1.23	10.20	1.40	11.30	1.62
	23	5.80	0.76	6.90	0.92	8.00	1.08	8.50	1.18	9.10	1.27	10.20	1.50	11.30	1.74
	25	5.80	0.78	6.90	0.95	8.00	1.15	8.50	1.26	9.00	1.37	10.20	1.59	11.30	1.85
	27	5.70	0.82	6.90	1.01	8.00	1.23	8.50	1.34	9.00	1.45	10.20	1.70	11.30	1.98
	29	5.70	0.87	6.90	1.08	8.00	1.30	8.50	1.42	9.00	1.55	10.20	1.82	11.30	2.11
	31	5.70	0.93	6.80	1.15	8.00	1.39	8.50	1.52	9.00	1.65	10.20	1.94	11.30	2.25
	33	5.70	0.99	6.80	1.22	7.90	1.48	8.50	1.61	9.00	1.76	10.10	2.07	11.30	2.40
	35	5.70	1.04	6.80	1.29	7.90	1.56	8.50	1.71	9.00	1.87	10.10	2.20	11.20	2.56
	37	5.50	1.10	6.60	1.37	7.70	1.66	8.20	1.82	8.70	1.99	9.80	2.34	10.90	2.73
	39	5.40	1.17	6.50	1.45	7.50	1.77	8.00	1.93	8.50	2.11	9.60	2.49	10.70	2.91
	42	5.40	1.23	6.50	1.53	7.50	1.87	8.00	2.05	8.50	2.25	9.60	2.64	10.70	3.09
	44	5.40	1.30	6.50	1.61	7.50	1.96	8.00	2.16	8.50	2.37	9.60	2.79	10.70	3.27
	46	5.40	1.37	6.50	1.69	7.50	2.07	8.00	2.28	8.50	2.50	9.60	2.94	10.70	3.45
60	10	5.00	0.60	5.90	0.71	6.90	0.81	7.40	0.87	7.80	0.93	8.80	1.05	9.70	1.18
	12	5.00	0.61	5.90	0.71	6.90	0.82	7.40	0.89	7.80	0.95	8.80	1.08	9.70	1.20
	14	5.00	0.62	5.90	0.72	6.90	0.85	7.40	0.90	7.80	0.97	8.80	1.09	9.70	1.23
	16	5.00	0.62	5.90	0.74	6.90	0.86	7.30	0.92	7.80	0.98	8.70	1.12	9.70	1.25
	18	5.00	0.64	5.90	0.75	6.90	0.87	7.30	0.93	7.80	1.00	8.70	1.13	9.70	1.27
	20	5.00	0.64	5.90	0.76	6.90	0.89	7.30	0.95	7.80	1.02	8.70	1.15	9.70	1.30
	21	4.90	0.65	5.90	0.77	6.80	0.90	7.30	0.96	7.80	1.03	8.70	1.17	9.70	1.31
	23	4.90	0.67	5.90	0.79	6.80	0.91	7.30	0.98	7.80	1.04	8.70	1.22	9.70	1.40
	25	4.90	0.67	5.90	0.80	6.80	0.95	7.30	1.03	7.80	1.12	8.70	1.30	9.70	1.49
	27	4.90	0.70	5.90	0.85	6.80	1.01	7.30	1.09	7.80	1.19	8.70	1.38	9.70	1.59
	29	4.90	0.74	5.90	0.90	6.80	1.08	7.30	1.17	7.80	1.26	8.70	1.47	9.60	1.69
	31	4.90	0.79	5.90	0.95	6.80	1.14	7.30	1.24	7.80	1.34	8.70	1.56	9.60	1.81
	33	4.90	0.82	5.90	1.01	6.80	1.21	7.30	1.32	7.80	1.43	8.70	1.66	9.60	1.92
	35	4.90	0.87	5.80	1.07	6.80	1.28	7.30	1.40	7.70	1.52	8.60	1.77	9.60	2.05
	37	4.80	0.93	5.70	1.13	6.60	1.37	7.00	1.48	7.50	1.61	8.40	1.88	9.30	2.18
	39	4.70	0.98	5.50	1.19	6.40	1.45	6.90	1.57	7.30	1.71	8.20	2.00	9.10	2.32
	42	4.70	1.04	5.50	1.26	6.40	1.52	6.90	1.66	7.30	1.81	8.20	2.11	9.10	2.46
	44	4.70	1.08	5.50	1.32	6.40	1.60	6.90	1.74	7.30	1.92	8.20	2.23	9.10	2.60
	46	4.70	1.14	5.50	1.37	6.40	1.69	6.90	1.83	7.30	2.01	8.20	2.34	9.10	2.74
50	10	4.10	0.52	4.90	0.60	5.70	0.68	6.10	0.72	6.50	0.77	7.30	0.87	8.10	0.97
	12	4.10	0.53	4.90	0.60	5.70	0.69	6.10	0.74	6.50	0.79	7.30	0.89	8.10	0.99
	14	4.10	0.53	4.90	0.62	5.70	0.71	6.10	0.75	6.50	0.80	7.30	0.90	8.10	1.00
	16	4.10	0.53	4.90	0.62	5.70	0.71	6.10	0.76	6.50	0.81	7.30	0.91	8.10	1.02
	18	4.10	0.54	4.90	0.63	5.70	0.72	6.10	0.78	6.50	0.82	7.30	0.93	8.10	1.04
	20	4.10	0.55	4.90	0.64	5.70	0.74	6.10	0.79	6.50	0.84	7.30	0.95	8.10	1.06
	21	4.10	0.56	4.90	0.65	5.70	0.75	6.10	0.80	6.50	0.85	7.30	0.96	8.10	1.07
	23	4.10	0.57	4.90	0.66	5.70	0.76	6.10	0.81	6.50	0.86	7.30	0.97	8.10	1.09
	25	4.10	0.57	4.90	0.67	5.70	0.77	6.10	0.82	6.50	0.90	7.30	1.03	8.10	1.17
	27	4.10	0.58	4.90	0.69	5.70	0.81	6.10	0.88	6.50	0.95	7.30	1.08	8.10	1.24
	29	4.10	0.62	4.90	0.73	5.70	0.86	6.10	0.93	6.50	1.01	7.30	1.16	8.10	1.32
	31	4.10	0.65	4.90	0.78	5.70	0.92	6.10	1.00	6.50	1.07	7.30	1.23	8.10	1.41
	33	4.10	0.68	4.90	0.82	5.70	0.97	6.10	1.05	6.50	1.13	7.30	1.31	8.00	1.50
	35	4.10	0.72	4.90	0.87	5.70	1.03	6.10	1.12	6.40	1.20	7.20	1.39	8.00	1.59
	37	4.00	0.76	4.70	0.92	5.50	1.08	5.90	1.18	6.30	1.27	7.00	1.48	7.80	1.69
	39	3.90	0.81	4.60	0.97	5.40	1.15	5.70	1.25	6.10	1.35	6.90	1.56	7.60	1.79
	42	3.90	0.85	4.60	1.03	5.40	1.23	5.70	1.32	6.10	1.42	6.90	1.65	7.60	1.89
	44	3.90	0.89	4.60	1.08	5.40	1.29	5.70	1.38	6.10	1.50	6.90	1.74	7.60	1.99
	46	3.90	0.93	4.60	1.13	5.40	1.36	5.70	1.45	6.10	1.57	6.90	1.83	7.60	2.10

NOTE

- Capacity table may be subject to change without prior notice.
- Capacity table comply with EN14511.
- Cooling capacities are based on;
  - Indoor temperature : 27°C DB, 19°C WB
  - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m
- Heating capacities are based on;
  - Indoor temperature : 20°C DB, 15°C WB
  - Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

10. Capacity Table

Heating

TC : Total Capacity, PI : Power Input

Combination, % (Capacityy index)	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	15	14	20.40	3.85	19.20	3.57	18.10	3.30	16.90	3.05	15.80	2.80
	13	12	20.40	3.99	19.20	3.70	18.10	3.42	16.90	3.16	15.80	2.90
	11	10	20.40	4.15	19.20	3.86	18.10	3.56	16.90	3.29	15.80	3.01
	9	8	20.40	4.33	19.20	4.01	18.10	3.70	16.90	3.41	15.80	3.13
	7	6	20.10	4.47	19.20	4.22	18.10	3.89	16.90	3.58	15.80	3.28
	5	4	19.60	4.47	19.20	4.45	18.10	4.11	16.90	3.78	15.80	3.45
	3	2	18.90	4.41	18.80	4.50	18.10	4.29	16.90	3.94	15.80	3.60
	0	-1	17.90	4.34	17.90	4.41	17.80	4.51	16.90	4.22	15.80	3.86
	-3	-4	16.90	4.23	16.80	4.33	16.80	4.41	16.80	4.51	15.80	4.16
	-5	-6	16.20	4.37	16.20	4.47	16.10	4.57	16.10	4.67	15.80	4.61
	-7	-8	15.60	4.28	15.50	4.39	15.50	4.50	15.50	4.61	15.50	4.69
	-10	-11	14.40	4.28	14.40	4.40	14.40	4.52	14.40	4.64	14.20	4.76
	-12	-13	13.70	4.17	13.70	4.30	13.70	4.42	13.60	4.54	13.60	4.67
	-15	-16	13.00	4.06	13.00	4.18	13.00	4.31	12.90	4.44	12.90	4.56
	-17	-18	12.30	3.81	12.30	3.95	12.20	4.08	12.20	4.22	12.20	4.35
	-20	-21	11.40	3.58	11.40	3.73	11.20	3.87	11.20	4.02	11.20	4.17
120	15	14	18.80	3.47	17.80	3.24	16.70	3.00	15.60	2.77	14.60	2.55
	13	12	18.80	3.60	17.80	3.35	16.70	3.11	15.60	2.87	14.60	2.63
	11	10	18.80	3.75	17.80	3.48	16.70	3.22	15.60	2.98	14.60	2.73
	9	8	18.80	3.89	17.80	3.62	16.70	3.35	15.60	3.08	14.60	2.83
	7	6	18.80	4.11	17.80	3.81	16.70	3.52	15.60	3.25	14.60	2.98
	5	4	18.80	4.34	17.80	4.01	16.70	3.71	15.60	3.41	14.60	3.13
	3	2	18.80	4.52	17.80	4.20	16.70	3.87	15.60	3.56	14.60	3.26
	0	-1	17.80	4.44	17.80	4.50	16.70	4.15	15.60	3.82	14.60	3.48
	-3	-4	16.80	4.35	16.80	4.43	16.70	4.49	15.60	4.11	14.60	3.75
	-5	-6	16.10	4.51	16.10	4.59	16.10	4.68	15.60	4.55	14.60	4.14
	-7	-8	15.50	4.42	15.50	4.53	15.50	4.63	15.50	4.71	14.60	4.39
	-10	-11	14.40	4.44	14.40	4.54	14.20	4.66	14.20	4.77	14.20	4.88
	-12	-13	13.70	4.34	13.70	4.45	13.60	4.56	13.60	4.68	13.60	4.80
	-15	-16	13.00	4.23	12.90	4.35	12.90	4.47	12.90	4.59	12.90	4.71
	-17	-18	12.30	3.99	12.20	4.12	12.20	4.24	12.20	4.36	12.20	4.49
	-20	-21	11.20	3.79	11.20	3.92	11.20	4.06	11.20	4.18	11.10	4.33
110	15	14	17.20	3.13	16.20	2.91	15.30	2.70	14.40	2.49	13.30	2.30
	13	12	17.20	3.24	16.20	3.01	15.30	2.79	14.40	2.58	13.30	2.37
	11	10	17.20	3.37	16.20	3.13	15.30	2.90	14.40	2.69	13.30	2.46
	9	8	17.20	3.49	16.20	3.25	15.30	3.01	14.40	2.78	13.30	2.56
	7	6	17.20	3.68	16.20	3.42	15.30	3.16	14.40	2.92	13.30	2.67
	5	4	17.20	3.87	16.20	3.59	15.30	3.32	14.40	3.07	13.30	2.82
	3	2	17.20	4.03	16.20	3.75	15.30	3.47	14.40	3.20	13.30	2.92
	0	-1	17.20	4.34	16.20	4.02	15.30	3.72	14.40	3.42	13.30	3.13
	-3	-4	16.80	4.48	16.20	4.35	15.30	4.01	14.40	3.69	13.30	3.38
	-5	-6	16.10	4.64	16.10	4.71	15.30	4.43	14.40	4.07	13.30	3.72
	-7	-8	15.50	4.57	15.50	4.66	15.30	4.68	14.40	4.30	13.30	3.94
	-10	-11	14.40	4.61	14.20	4.70	14.20	4.80	14.20	4.90	13.30	4.51
	-12	-13	13.60	4.51	13.60	4.62	13.60	4.71	13.60	4.82	13.30	4.81
	-15	-16	12.90	4.40	12.90	4.51	12.90	4.63	12.90	4.73	12.80	4.84
	-17	-18	12.20	4.17	12.20	4.28	12.20	4.40	12.20	4.51	12.10	4.63
	-20	-21	11.20	3.98	11.20	4.10	11.20	4.23	11.10	4.35	11.10	4.48
100	15	14	15.70	2.63	14.80	2.46	13.80	2.29	13.00	2.11	12.10	1.96
	13	12	15.70	2.73	14.80	2.55	13.80	2.42	13.00	2.19	12.10	2.03
	11	10	15.70	2.84	14.80	2.64	13.80	2.67	13.00	2.27	12.10	2.09
	9	8	15.70	2.94	14.80	2.74	13.80	2.86	13.00	2.35	12.10	2.17
	7	6	15.70	3.10	14.80	2.88	13.50	3.02	13.00	2.47	12.10	2.28
	5	4	15.70	3.25	14.80	3.02	13.50	3.17	13.00	2.59	12.10	2.38
	3	2	15.70	3.40	14.80	3.16	13.50	3.25	13.00	2.70	12.10	2.48
	0	-1	15.70	3.63	14.80	3.38	13.50	3.37	13.00	2.88	12.10	2.65
	-3	-4	15.70	3.92	14.80	3.65	13.50	3.49	13.00	3.10	12.10	2.84
	-5	-6	15.70	4.34	14.80	4.01	13.50	3.71	13.00	3.41	12.10	3.13
	-7	-8	15.50	4.45	14.80	4.26	13.50	3.93	13.00	3.60	12.10	3.30
	-10	-11	14.20	4.50	14.20	4.58	13.50	4.51	13.00	4.14	12.10	3.79
	-12	-13	13.60	4.43	13.60	4.51	13.30	4.61	13.00	4.42	12.10	4.03
	-15	-16	12.90	4.34	12.90	4.43	12.90	4.52	12.80	4.62	12.10	4.31
	-17	-18	12.20	4.12	12.20	4.22	12.10	4.31	12.10	4.41	12.10	4.50
	-20	-21	11.20	3.95	11.10	4.07	11.10	4.16	11.10	4.28	11.10	4.38
90	15	14	14.10	2.46	13.30	2.30	12.60	2.14	11.70	1.98	10.90	1.84
	13	12	14.10	2.55	13.30	2.37	12.60	2.22	11.70	2.05	10.90	1.90
	11	10	14.10	2.64	13.30	2.46	12.60	2.30	11.70	2.12	10.90	1.96
	9	8	14.10	2.74	13.30	2.56	12.60	2.37	11.70	2.20	10.90	2.03
	7	6	14.10	2.87	13.30	2.67	12.60	2.49	11.70	2.31	10.90	2.12
	5	4	14.10	3.02	13.30	2.82	12.60	2.61	11.70	2.43	10.90	2.23
	3	2	14.10	3.15	13.30	2.92	12.60	2.72	11.70	2.51	10.90	2.32
	0	-1	14.10	3.37	13.30	3.13	12.60	2.90	11.70	2.69	10.90	2.46
	-3	-4	14.10	3.62	13.30	3.37	12.60	3.12	11.70	2.88	10.90	2.64
	-5	-6	14.10	4.00	13.30	3.71	12.60	3.43	11.70	3.17	10.90	2.91
	-7	-8	14.10	4.23	13.30	3.93	12.60	3.62	11.70	3.34	10.90	3.06
	-10	-11	14.10	4.86	13.30	4.50	12.60	4.16	11.70	3.83	10.90	3.52
	-12	-13	13.60	4.84	13.30	4.81	12.60	4.43	11.70	4.08	10.90	3.73
	-15	-16	12.90	4.76	12.80	4.84	12.60	4.75	11.70	4.36	10.90	3.98
	-17	-18	12.10	4.53	12.10	4.63	12.10	4.71	11.70	4.55	10.90	4.15
	-20	-21	11.10	4.38	11.10	4.48	11.10	4.57	11.10	4.68	10.90	4.66
80	15	14	12.60	2.15	11.80	2.01	11.10	1.88	10.40	1.75	9.70	1.62
	13	12	12.60	2.22	11.80	2.08	11.10	1.94	10.40	1.80	9.70	1.67
	11	10	12.60	2.31	11.80	2.16	11.10	2.01	10.40	1.87	9.70	1.74
	9	8	12.60	2.38	11.80	2.22	11.10	2.08	10.40	1.93	9.70	1.78
	7	6	12.60	2.50	11.80	2.34	11.10	2.18	10.40	2.02	9.70	1.87
	5	4	12.60	2.62	11.80	2.45	11.10	2.29	10.40	2.12	9.70	1.96
	3	2	12.60	2.73	11.80	2.55	11.10	2.37	10.40	2.20	9.70	2.03
	0	-1	12.60	2.92	11.80	2.72	11.10	2.52	10.40	2.34	9.70	2.16
	-3	-4	12.60	3.13	11.80	2.92	11.10	2.71	10.40	2.50	9.70	2.31
	-5	-6	12.60	3.45	11.80	3.21	11.10	2.98	10.40	2.76	9.70	2.53

10. Capacity Table

Heating

TC : Total Capacity, PI : Power Input

Combination, % (Capacityy index)	Outdoor temperature (ºC)		Indoor temperature (ºC, 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
80	-7	-8	12.60	3.65	11.80	3.40	11.10	3.14	10.40	2.90	9.70	2.67
	-10	-11	12.60	4.18	11.80	3.88	11.10	3.59	10.40	3.31	9.70	3.04
	-12	-13	12.60	4.45	11.80	4.13	11.10	3.82	10.40	3.53	9.70	3.22
	-15	-16	12.60	4.77	11.80	4.41	11.10	4.09	10.40	3.75	9.70	3.44
	-17	-18	12.10	4.71	11.80	4.62	11.10	4.26	10.40	3.92	9.70	3.58
	-20	-21	11.10	4.57	11.10	4.66	11.10	4.76	10.40	4.39	9.70	4.00
70	15	14	11.00	1.86	10.40	1.74	9.70	1.63	9.10	1.51	8.50	1.41
	13	12	11.00	1.91	10.40	1.79	9.70	1.68	9.10	1.56	8.50	1.46
	11	10	11.00	1.97	10.40	1.86	9.70	1.74	9.10	1.62	8.50	1.50
	9	8	11.00	2.05	10.40	1.92	9.70	1.79	9.10	1.67	8.50	1.55
	7	6	11.00	2.15	10.40	2.01	9.70	1.88	9.10	1.75	8.50	1.62
	5	4	11.00	2.25	10.40	2.10	9.70	1.96	9.10	1.82	8.50	1.69
	3	2	11.00	2.33	10.40	2.19	9.70	2.04	9.10	1.90	8.50	1.76
	0	-1	11.00	2.48	10.40	2.32	9.70	2.17	9.10	2.01	8.50	1.86
	-3	-4	11.00	2.66	10.40	2.49	9.70	2.32	9.10	2.15	8.50	1.98
	-5	-6	11.00	2.93	10.40	2.74	9.70	2.55	9.10	2.36	8.50	2.18
	-7	-8	11.00	3.10	10.40	2.88	9.70	2.69	9.10	2.48	8.50	2.29
	-10	-11	11.00	3.54	10.40	3.29	9.70	3.06	9.10	2.83	8.50	2.60
	-12	-13	11.00	3.76	10.40	3.49	9.70	3.25	9.10	3.00	8.50	2.75
	-15	-16	11.00	4.01	10.40	3.73	9.70	3.45	9.10	3.19	8.50	2.92
	-17	-18	11.00	4.20	10.40	3.89	9.70	3.59	9.10	3.32	8.50	3.04
	-20	-21	11.00	4.70	10.40	4.36	9.70	4.02	9.10	3.70	8.50	3.40
60	15	14	9.40	1.57	8.90	1.49	8.30	1.38	7.80	1.29	7.30	1.21
	13	12	9.40	1.62	8.90	1.52	8.30	1.42	7.80	1.34	7.30	1.25
	11	10	9.40	1.67	8.90	1.57	8.30	1.48	7.80	1.38	7.30	1.28
	9	8	9.40	1.74	8.90	1.62	8.30	1.52	7.80	1.42	7.30	1.33
	7	6	9.40	1.81	8.90	1.70	8.30	1.59	7.80	1.49	7.30	1.38
	5	4	9.40	1.90	8.90	1.78	8.30	1.66	7.80	1.55	7.30	1.45
	3	2	9.40	1.97	8.90	1.84	8.30	1.73	7.80	1.61	7.30	1.50
	0	-1	9.40	2.09	8.90	1.96	8.30	1.82	7.80	1.70	7.30	1.57
	-3	-4	9.40	2.23	8.90	2.09	8.30	1.95	7.80	1.82	7.30	1.67
	-5	-6	9.40	2.45	8.90	2.29	8.30	2.15	7.80	2.00	7.30	1.84
	-7	-8	9.40	2.58	8.90	2.41	8.30	2.24	7.80	2.09	7.30	1.93
	-10	-11	9.40	2.93	8.90	2.74	8.30	2.56	7.80	2.36	7.30	2.19
	-12	-13	9.40	3.12	8.90	2.90	8.30	2.71	7.80	2.50	7.30	2.31
	-15	-16	9.40	3.32	8.90	3.10	8.30	2.87	7.80	2.66	7.30	2.46
	-17	-18	9.40	3.46	8.90	3.21	8.30	2.99	7.80	2.76	7.30	2.53
	-20	-21	9.40	3.86	8.90	3.58	8.30	3.33	7.80	3.07	7.30	2.82
50	15	14	7.80	1.31	7.40	1.24	7.00	1.15	6.50	1.09	6.10	1.01
	13	12	7.80	1.35	7.40	1.26	7.00	1.20	6.50	1.12	6.10	1.05
	11	10	7.80	1.38	7.40	1.31	7.00	1.23	6.50	1.15	6.10	1.08
	9	8	7.80	1.43	7.40	1.35	7.00	1.26	6.50	1.19	6.10	1.11
	7	6	7.80	1.49	7.40	1.41	7.00	1.32	6.50	1.24	6.10	1.16
	5	4	7.80	1.55	7.40	1.47	7.00	1.38	6.50	1.29	6.10	1.20
	3	2	7.80	1.62	7.40	1.52	7.00	1.42	6.50	1.34	6.10	1.24
	0	-1	7.80	1.70	7.40	1.61	7.00	1.50	6.50	1.41	6.10	1.32
	-3	-4	7.80	1.82	7.40	1.71	7.00	1.61	6.50	1.50	6.10	1.39
	-5	-6	7.80	2.01	7.40	1.88	7.00	1.76	6.50	1.63	6.10	1.53
	-7	-8	7.80	2.10	7.40	1.97	7.00	1.83	6.50	1.71	6.10	1.59
	-10	-11	7.80	2.37	7.40	2.22	7.00	2.08	6.50	1.94	6.10	1.79
	-12	-13	7.80	2.52	7.40	2.35	7.00	2.20	6.50	2.05	6.10	1.90
	-15	-16	7.80	2.67	7.40	2.50	7.00	2.33	6.50	2.17	6.10	2.01
	-17	-18	7.80	2.77	7.40	2.59	7.00	2.41	6.50	2.23	6.10	2.07
	-20	-21	7.80	3.08	7.40	2.88	7.00	2.67	6.50	2.47	6.10	2.28

NOTE

- Capacity table may be subject to change without prior notice.
- Capacity table comply with EN14511.
- Cooling capacities are based on;
  - Indoor temperature : 27°C DB, 19°C WB
  - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m
- Heating capacities are based on;
  - Indoor temperature : 20°C DB, 15°C WB
  - Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

10. Capacity Table

AM050TXMDEH/TK

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
130	10	12.50	1.68	14.80	2.06	17.30	2.44	18.50	2.64	19.40	2.78	19.90	2.66	20.30	2.53
	12	12.50	1.71	14.80	2.09	17.20	2.50	18.50	2.69	19.20	2.76	19.60	2.64	20.10	2.59
	14	12.50	1.74	14.80	2.14	17.20	2.54	18.40	2.74	18.80	2.74	19.40	2.72	19.80	2.74
	16	12.50	1.78	14.80	2.18	17.20	2.59	18.40	2.83	18.60	2.84	19.00	2.86	19.50	2.89
	18	12.40	1.81	14.80	2.22	17.20	2.76	18.10	2.97	18.30	2.98	18.80	3.01	19.20	3.03
	20	12.40	1.85	14.80	2.37	17.20	2.97	17.90	3.12	18.10	3.13	18.50	3.15	19.00	3.19
	21	12.40	1.90	14.70	2.45	17.20	3.08	17.70	3.19	18.00	3.21	18.40	3.23	18.90	3.26
	23	12.40	2.03	14.70	2.62	17.10	3.30	17.40	3.33	17.60	3.35	18.10	3.38	18.60	3.41
	25	12.40	2.18	14.70	2.81	16.90	3.46	17.20	3.48	17.40	3.50	17.80	3.53	18.30	3.56
	27	12.40	2.33	14.70	3.01	16.70	3.61	16.90	3.62	17.10	3.64	17.60	3.68	18.00	3.71
	29	12.40	2.48	14.70	3.21	16.40	3.75	16.70	3.77	16.90	3.80	17.30	3.83	17.80	3.86
	31	12.40	2.64	14.70	3.44	16.20	3.90	16.40	3.92	16.60	3.94	17.10	3.97	17.50	4.02
	33	12.30	2.82	14.60	3.67	15.90	4.05	16.20	4.07	16.40	4.09	16.80	4.13	17.30	4.17
	35	12.30	3.00	14.60	3.91	15.60	4.20	15.80	4.21	16.00	4.24	16.50	4.28	16.90	4.33
	37	11.90	3.20	14.20	4.17	14.80	4.34	15.10	4.37	15.30	4.39	15.70	4.44	16.20	4.48
	39	11.70	3.40	13.90	4.44	14.40	4.50	14.50	4.51	14.70	4.54	15.20	4.59	15.60	4.63
	42	11.70	3.61	13.90	4.72	14.20	4.65	14.30	4.66	14.40	4.69	15.00	4.74	15.30	4.79
	44	11.70	3.81	13.90	4.99	14.00	4.80	14.00	4.80	14.20	4.85	14.80	4.90	15.00	4.94
	46	11.70	4.02	13.90	5.27	13.80	4.96	13.70	4.95	13.90	5.00	14.60	5.05	14.70	5.09
120	10	11.50	1.54	13.70	1.87	15.90	2.23	17.10	2.41	18.20	2.59	19.60	2.74	20.00	2.63
	12	11.50	1.56	13.70	1.91	15.90	2.27	17.00	2.45	18.20	2.64	19.30	2.73	19.70	2.61
	14	11.50	1.59	13.70	1.95	15.90	2.32	17.00	2.50	18.10	2.69	19.00	2.71	19.50	2.73
	16	11.40	1.62	13.70	1.98	15.90	2.36	17.00	2.56	18.10	2.76	18.70	2.85	19.10	2.87
	18	11.40	1.66	13.70	2.03	15.90	2.44	17.00	2.70	18.10	2.97	18.50	2.99	18.90	3.02
	20	11.40	1.68	13.60	2.10	15.90	2.62	17.00	2.91	17.80	3.11	18.20	3.14	18.60	3.16
	21	11.40	1.70	13.60	2.18	15.80	2.72	17.00	3.02	17.70	3.19	18.10	3.21	18.50	3.24
	23	11.40	1.82	13.60	2.33	15.80	2.91	16.90	3.23	17.30	3.33	17.80	3.36	18.20	3.39
	25	11.40	1.94	13.60	2.50	15.80	3.13	16.90	3.46	17.10	3.48	17.50	3.50	17.90	3.54
	27	11.40	2.08	13.60	2.68	15.80	3.34	16.60	3.61	16.80	3.62	17.30	3.65	17.70	3.68
	29	11.40	2.21	13.60	2.86	15.80	3.57	16.40	3.75	16.60	3.77	17.00	3.80	17.40	3.84
	31	11.40	2.36	13.60	3.04	15.80	3.82	16.10	3.90	16.30	3.91	16.80	3.95	17.20	3.98
	33	11.30	2.51	13.50	3.25	15.70	4.03	15.90	4.04	16.10	4.06	16.50	4.10	16.90	4.14
	35	11.30	2.68	13.50	3.46	15.30	4.17	15.50	4.19	15.80	4.21	16.20	4.25	16.60	4.29
	37	11.00	2.85	13.10	3.69	14.70	4.32	14.80	4.34	15.00	4.36	15.40	4.40	15.80	4.44
	39	10.70	3.03	12.80	3.93	14.10	4.47	14.40	4.49	14.50	4.51	14.90	4.56	15.30	4.60
	42	10.70	3.21	12.80	4.17	13.80	4.62	14.20	4.63	14.40	4.67	14.70	4.71	15.10	4.75
	44	10.70	3.39	12.80	4.41	13.50	4.78	14.00	4.78	14.20	4.82	14.50	4.86	14.90	4.91
	46	10.70	3.56	12.80	4.65	13.20	4.93	13.80	4.92	14.00	4.97	14.40	5.02	14.70	5.06
110	10	10.60	1.39	12.60	1.70	14.60	2.02	15.60	2.18	16.70	2.34	18.70	2.68	19.60	2.73
	12	10.60	1.42	12.60	1.73	14.60	2.05	15.60	2.22	16.60	2.39	18.70	2.73	19.40	2.71
	14	10.50	1.44	12.60	1.76	14.60	2.09	15.60	2.27	16.60	2.44	18.60	2.78	19.00	2.71
	16	10.50	1.47	12.60	1.80	14.60	2.14	15.60	2.31	16.60	2.48	18.40	2.83	18.80	2.86
	18	10.50	1.50	12.50	1.83	14.60	2.18	15.60	2.37	16.60	2.61	18.20	2.97	18.50	3.00
	20	10.50	1.53	12.50	1.87	14.50	2.31	15.60	2.55	16.60	2.80	17.90	3.12	18.30	3.15
	21	10.50	1.55	12.50	1.92	14.50	2.38	15.50	2.64	16.60	2.91	17.80	3.19	18.20	3.21
	23	10.50	1.62	12.50	2.06	14.50	2.56	15.50	2.83	16.50	3.12	17.40	3.33	17.80	3.36
	25	10.50	1.73	12.50	2.21	14.50	2.74	15.50	3.03	16.50	3.34	17.20	3.48	17.60	3.51
	27	10.50	1.84	12.50	2.35	14.50	2.93	15.50	3.25	16.50	3.57	16.90	3.63	17.30	3.66
	29	10.50	1.97	12.50	2.51	14.50	3.14	15.50	3.47	16.30	3.74	16.70	3.78	17.10	3.80
	31	10.40	2.09	12.50	2.68	14.50	3.34	15.50	3.71	16.10	3.89	16.40	3.92	16.80	3.96
	33	10.40	2.22	12.40	2.86	14.40	3.57	15.50	3.96	15.80	4.03	16.20	4.07	16.60	4.10
	35	10.40	2.37	12.40	3.04	14.40	3.81	15.30	4.17	15.50	4.19	15.80	4.22	16.20	4.26
	37	10.10	2.51	12.00	3.24	14.00	4.06	14.60	4.32	14.70	4.33	15.10	4.37	15.50	4.41
	39	9.90	2.68	11.80	3.45	13.70	4.33	14.10	4.46	14.30	4.48	14.60	4.52	14.90	4.56
	42	9.90	2.84	11.80	3.67	13.70	4.59	13.90	4.61	14.10	4.62	14.40	4.68	14.60	4.70
	44	9.90	3.00	11.80	3.88	13.70	4.86	13.70	4.75	13.90	4.77	14.30	4.83	14.40	4.85
	46	9.90	3.16	11.80	4.09	13.70	5.12	13.50	4.90	13.70	4.92	14.10	4.98	14.10	4.99
100	10	9.60	1.26	11.50	1.52	13.30	1.80	14.20	1.95	15.10	2.10	17.00	2.40	18.90	2.70
	12	9.60	1.28	11.50	1.56	13.30	1.84	14.20	1.99	15.10	2.14	16.90	2.44	18.90	2.75
	14	9.60	1.30	11.50	1.58	13.30	1.87	14.20	2.03	15.10	2.18	16.90	2.49	18.70	2.79
	16	9.60	1.32	11.40	1.62	13.30	1.91	14.20	2.07	15.10	2.22	16.90	2.54	18.40	2.83
	18	9.60	1.35	11.40	1.64	13.20	1.95	14.20	2.11	15.10	2.27	16.90	2.68	18.20	2.97
	20	9.50	1.38	11.40	1.68	13.20	2.01	14.10	2.21	15.10	2.43	16.90	2.89	17.90	3.12
	21	9.50	1.39	11.40	1.69	13.20	2.08	14.10	2.29	15.00	2.51	16.90	2.99	17.80	3.20
	23	9.50	1.43	11.40	1.80	13.20	2.23	14.10	2.45	15.00	2.70	16.80	3.21	17.50	3.34
	25	9.50	1.52	11.40	1.93	13.20	2.38	14.10	2.63	15.00	2.89	16.80	3.44	17.20	3.49
	27	9.50	1.62	11.40	2.06	13.20	2.55	14.10	2.81	15.00	3.09	16.60	3.61	17.00	3.63
	29	9.50	1.73	11.40	2.20	13.20	2.72	14.10	3.01	15.00	3.30	16.40	3.75	16.70	3.78
	31	9.50	1.84	11.40	2.34	13.20	2.91	14.10	3.21	15.00	3.53	16.10	3.90	16.50	3.92
	33	9.50	1.96	11.30	2.49	13.10	3.09	14.00	3.42	14.90	3.77	15.90	4.04	16.20	4.08
	35	9.50	2.08	11.30	2.65	13.10	3.30	14.00	3.68	14.90	4.02	15.50	4.19	15.90	4.22
	37	9.20	2.21	11.00	2.82	12.70	3.51	13.60	3.89	14.50	4.28	14.80	4.34	15.10	4.38
	39	9.00	2.34	10.70	3.00	12.50	3.74	13.30	4.15	14.00	4.45	14.30	4.49	14.60	4.52
	42	9.00	2.48	10.70	3.18	12.50	3.97	13.30	4.40	13.80	4.62	14.00	4.63	14.40	4.67
	44	9.00	2.62	10.70	3.36	12.50	4.21	13.30	4.66	13.60	4.80	13.70	4.78	14.30	4.81
	46	9.00	2.75	10.70	3.54	12.50	4.44	13.30	4.92	13.40	4.97	13.40	4.92	14.10	4.96
90	10	8.60	1.13	10.30	1.36	12.00	1.61	12.80	1.73	13.60	1.86	15.30	2.12	17.00	2.39
	12	8.60	1.15	10.20	1.38	12.00	1.63	12.80	1.76	13.60	1.90	15.30	2.16	16.90	2.44
	14	8.60	1.16	10.20	1.41	12.00	1.67	12.80	1.80	13.60	1.93	15.30	2.21	16.90	2.49
	16	8.60	1.19	10.20	1.44	11.90	1.69	12.80	1.83	13.60	1.97	15.30	2.25	16.90	2.53
	18	8.60	1.21	10.20	1.46	11.90	1.73	12.70	1.86	13.60	2.01	15.30	2.29	16.90	2.68
	20	8.60	1.23	10.20	1.49	11.90	1.76	12.70	1.91	13.50	2.09	15.30	2.46	16.90	2.88
	21	8.60	1.24	10.20	1.50	11.90	1.80	12.70	1.97	13.50	2.15	15.20	2.56	16.90	2.98
	23	8.60	1.27	10.20	1.56	11.90	1.91	12.70	2.11	13.50	2.31	15.20	2.74	16.80	3.21
	25	8.60	1.33	10.20	1.67	11.90	2.05	12.70	2.26	13.50	2.47	15.20	2.93	16.80	3.44
	27	8.60	1.42	10.20	1.78	11.90	2.19	12.70	2.41	13.50	2.64	15.20	3.14	16.60	3.61
	29	8.50	1.50	10.20	1.90	11.90	2.33	12.70	2.57	13.50	2.82	15.20	3.35	16.40	3.75
	31	8.50	1.61	10.10	2.03	11.90	2.49	12.70	2.74	13.50	3.01	15.20	3.58	16.10	3.90
	33	8.50	1.70	10.10	2.15	11.80	2.66	12.60	2.92	13.40	3.21	15.20	3.82	15.90	4.04
	35	8.50	1.80	10.10	2.29	11.80	2.83	12.60	3.12	13.40	3.43	15.10	4.08	15.50	4.19

10. Capacity Table

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	37	8.30	1.91	9.80	2.44	11.50	3.01	12.20	3.33	13.00	3.65	14.60	4.31	14.80	4.34
	39	8.10	2.03	9.60	2.58	11.20	3.21	12.00	3.54	12.70	3.89	14.00	4.45	14.30	4.49
	42	8.10	2.15	9.60	2.73	11.20	3.40	12.00	3.75	12.70	4.13	13.70	4.60	14.00	4.63
	44	8.10	2.27	9.60	2.87	11.20	3.60	12.00	3.97	12.70	4.37	13.40	4.74	13.70	4.78
	46	8.10	2.39	9.60	3.02	11.20	3.80	12.00	4.18	12.70	4.61	13.10	4.89	13.40	4.92
80	10	7.70	1.00	9.20	1.20	10.70	1.40	11.40	1.51	12.10	1.62	13.60	1.85	15.00	2.09
	12	7.70	1.02	9.20	1.21	10.70	1.43	11.40	1.54	12.10	1.66	13.60	1.89	15.00	2.13
	14	7.70	1.03	9.10	1.24	10.60	1.46	11.40	1.57	12.10	1.68	13.60	1.92	15.00	2.17
	16	7.70	1.05	9.10	1.27	10.60	1.49	11.30	1.60	12.00	1.72	13.60	1.97	15.00	2.21
	18	7.60	1.07	9.10	1.28	10.60	1.51	11.30	1.63	12.00	1.75	13.60	2.00	15.00	2.26
	20	7.60	1.09	9.10	1.31	10.60	1.54	11.30	1.67	12.00	1.79	13.50	2.08	15.00	2.41
	21	7.60	1.09	9.10	1.32	10.60	1.56	11.30	1.68	12.00	1.82	13.50	2.15	14.90	2.50
	23	7.60	1.12	9.10	1.34	10.60	1.63	11.30	1.79	12.00	1.95	13.50	2.30	14.90	2.68
	25	7.60	1.15	9.10	1.44	10.60	1.74	11.30	1.91	12.00	2.09	13.50	2.46	14.90	2.87
	27	7.60	1.22	9.10	1.53	10.60	1.86	11.30	2.04	12.00	2.23	13.50	2.63	14.90	3.07
	29	7.60	1.30	9.10	1.62	10.60	1.98	11.30	2.18	12.00	2.38	13.50	2.81	14.90	3.28
	31	7.60	1.38	9.10	1.73	10.50	2.11	11.20	2.32	12.00	2.54	13.50	3.00	14.90	3.50
	33	7.60	1.47	9.10	1.84	10.50	2.25	11.20	2.47	11.90	2.70	13.40	3.20	14.80	3.74
	35	7.60	1.56	9.00	1.95	10.50	2.39	11.20	2.63	11.90	2.88	13.40	3.41	14.80	3.99
	37	7.30	1.65	8.80	2.07	10.20	2.55	10.90	2.80	11.50	3.06	13.00	3.63	14.40	4.26
	39	7.20	1.75	8.60	2.20	10.00	2.70	10.60	2.97	11.30	3.27	12.70	3.87	14.00	4.45
	42	7.20	1.85	8.60	2.33	10.00	2.86	10.60	3.15	11.30	3.47	12.70	4.11	13.90	4.65
	44	7.20	1.96	8.60	2.45	10.00	3.01	10.60	3.33	11.30	3.68	12.70	4.35	13.80	4.85
	46	7.20	2.06	8.60	2.58	10.00	3.16	10.60	3.51	11.30	3.88	12.70	4.59	13.70	5.04
70	10	6.70	0.88	8.00	1.04	9.30	1.21	10.00	1.31	10.60	1.40	11.90	1.59	13.20	1.79
	12	6.70	0.89	8.00	1.06	9.30	1.24	9.90	1.33	10.60	1.43	11.90	1.62	13.20	1.82
	14	6.70	0.91	8.00	1.08	9.30	1.26	9.90	1.36	10.50	1.45	11.90	1.65	13.20	1.85
	16	6.70	0.92	8.00	1.09	9.30	1.28	9.90	1.38	10.50	1.48	11.80	1.68	13.20	1.90
	18	6.70	0.93	8.00	1.12	9.30	1.31	9.90	1.40	10.50	1.50	11.80	1.72	13.10	1.93
	20	6.70	0.95	8.00	1.14	9.30	1.33	9.90	1.44	10.50	1.54	11.80	1.75	13.10	1.98
	21	6.70	0.96	8.00	1.15	9.20	1.34	9.90	1.44	10.50	1.56	11.80	1.78	13.10	2.06
	23	6.70	0.97	8.00	1.17	9.20	1.37	9.90	1.50	10.50	1.62	11.80	1.91	13.10	2.21
	25	6.70	0.99	8.00	1.21	9.20	1.46	9.90	1.60	10.50	1.74	11.80	2.03	13.10	2.36
	27	6.70	1.05	7.90	1.29	9.20	1.56	9.90	1.70	10.50	1.85	11.80	2.17	13.10	2.52
	29	6.60	1.11	7.90	1.38	9.20	1.66	9.90	1.81	10.50	1.97	11.80	2.32	13.10	2.69
	31	6.60	1.18	7.90	1.46	9.20	1.77	9.80	1.93	10.40	2.10	11.80	2.47	13.10	2.87
	33	6.60	1.26	7.90	1.55	9.20	1.88	9.80	2.05	10.40	2.24	11.70	2.63	13.00	3.06
	35	6.60	1.32	7.90	1.64	9.20	1.99	9.80	2.18	10.40	2.38	11.70	2.80	13.00	3.26
	37	6.40	1.40	7.70	1.74	8.90	2.12	9.50	2.32	10.10	2.53	11.40	2.98	12.60	3.47
	39	6.30	1.49	7.50	1.85	8.70	2.25	9.30	2.46	9.90	2.69	11.10	3.17	12.40	3.70
	42	6.30	1.57	7.50	1.95	8.70	2.38	9.30	2.61	9.90	2.86	11.10	3.36	12.40	3.93
	44	6.30	1.66	7.50	2.05	8.70	2.50	9.30	2.75	9.90	3.02	11.10	3.55	12.40	4.16
	46	6.30	1.74	7.50	2.15	8.70	2.63	9.30	2.90	9.90	3.18	11.10	3.74	12.40	4.39
60	10	5.80	0.76	6.90	0.90	8.00	1.03	8.50	1.11	9.10	1.19	10.20	1.34	11.30	1.50
	12	5.80	0.78	6.90	0.91	8.00	1.05	8.50	1.13	9.10	1.21	10.10	1.37	11.30	1.53
	14	5.70	0.79	6.90	0.92	8.00	1.08	8.50	1.15	9.10	1.23	10.10	1.39	11.20	1.56
	16	5.70	0.79	6.80	0.94	7.90	1.09	8.50	1.17	9.10	1.25	10.10	1.42	11.20	1.59
	18	5.70	0.81	6.80	0.96	7.90	1.11	8.50	1.19	9.10	1.27	10.10	1.44	11.20	1.62
	20	5.70	0.82	6.80	0.97	7.90	1.13	8.50	1.21	9.00	1.30	10.10	1.47	11.20	1.65
	21	5.70	0.83	6.80	0.98	7.90	1.14	8.50	1.22	9.00	1.31	10.10	1.49	11.20	1.67
	23	5.70	0.85	6.80	1.00	7.90	1.16	8.50	1.25	9.00	1.33	10.10	1.55	11.20	1.78
	25	5.70	0.85	6.80	1.02	7.90	1.21	8.50	1.31	9.00	1.42	10.10	1.65	11.20	1.90
	27	5.70	0.89	6.80	1.08	7.90	1.28	8.50	1.39	9.00	1.51	10.10	1.76	11.20	2.03
	29	5.70	0.94	6.80	1.15	7.90	1.37	8.40	1.49	9.00	1.61	10.10	1.87	11.20	2.15
	31	5.70	1.00	6.80	1.21	7.90	1.45	8.40	1.58	9.00	1.71	10.00	1.99	11.10	2.30
	33	5.70	1.05	6.80	1.28	7.90	1.54	8.40	1.68	9.00	1.82	10.00	2.12	11.10	2.44
	35	5.70	1.11	6.80	1.36	7.90	1.63	8.40	1.78	9.00	1.93	10.00	2.26	11.10	2.61
	37	5.50	1.18	6.60	1.44	7.60	1.74	8.20	1.89	8.70	2.05	9.70	2.40	10.80	2.77
	39	5.40	1.25	6.40	1.52	7.50	1.84	8.00	2.00	8.50	2.18	9.50	2.55	10.60	2.95
	42	5.40	1.32	6.40	1.60	7.50	1.94	8.00	2.11	8.50	2.31	9.50	2.69	10.60	3.13
	44	5.40	1.38	6.40	1.68	7.50	2.04	8.00	2.22	8.50	2.44	9.50	2.84	10.60	3.31
	46	5.40	1.45	6.40	1.75	7.50	2.15	8.00	2.33	8.50	2.56	9.50	2.98	10.60	3.49
50	10	4.80	0.66	5.70	0.76	6.60	0.87	7.10	0.92	7.60	0.98	8.50	1.11	9.40	1.23
	12	4.80	0.67	5.70	0.77	6.60	0.88	7.10	0.94	7.60	1.00	8.50	1.13	9.40	1.26
	14	4.80	0.68	5.70	0.79	6.60	0.90	7.10	0.96	7.60	1.02	8.50	1.15	9.40	1.27
	16	4.80	0.68	5.70	0.79	6.60	0.91	7.10	0.97	7.60	1.03	8.50	1.16	9.40	1.30
	18	4.80	0.69	5.70	0.80	6.60	0.92	7.10	0.99	7.50	1.05	8.50	1.19	9.40	1.32
	20	4.80	0.70	5.70	0.82	6.60	0.94	7.10	1.01	7.50	1.07	8.50	1.21	9.40	1.35
	21	4.80	0.71	5.70	0.83	6.60	0.95	7.10	1.02	7.50	1.08	8.50	1.22	9.40	1.36
	23	4.80	0.72	5.70	0.84	6.60	0.97	7.10	1.03	7.50	1.10	8.40	1.24	9.40	1.39
	25	4.80	0.73	5.70	0.85	6.60	0.98	7.10	1.05	7.50	1.14	8.40	1.31	9.30	1.49
	27	4.80	0.74	5.70	0.88	6.60	1.03	7.00	1.12	7.50	1.21	8.40	1.38	9.30	1.58
	29	4.70	0.79	5.70	0.93	6.60	1.10	7.00	1.19	7.50	1.28	8.40	1.48	9.30	1.68
	31	4.70	0.83	5.70	0.99	6.60	1.17	7.00	1.27	7.50	1.36	8.40	1.57	9.30	1.80
	33	4.70	0.87	5.70	1.05	6.60	1.24	7.00	1.34	7.50	1.44	8.40	1.67	9.30	1.91
	35	4.70	0.92	5.60	1.11	6.50	1.31	7.00	1.42	7.50	1.53	8.40	1.77	9.30	2.03
	37	4.60	0.97	5.50	1.17	6.30	1.38	6.80	1.50	7.20	1.62	8.10	1.88	9.00	2.15
	39	4.50	1.03	5.40	1.24	6.20	1.47	6.70	1.59	7.10	1.72	8.00	1.99	8.80	2.28
	42	4.50	1.08	5.40	1.31	6.20	1.56	6.70	1.68	7.10	1.81	8.00	2.10	8.80	2.41
	44	4.50	1.13	5.40	1.38	6.20	1.64	6.70	1.76	7.10	1.91	8.00	2.21	8.80	2.54
	46	4.50	1.18	5.40	1.44	6.20	1.73	6.70	1.85	7.10	2.00	8.00	2.33	8.80	2.67

NOTE

- Capacity table may be subject to change without prior notice.
- Capacity table comply with EN14511.
- Cooling capacities are based on;
  - Indoor temperature : 27°C DB, 19°C WB
  - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m
- Heating capacities are based on;
  - Indoor temperature : 20°C DB, 15°C WB
  - Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

10. Capacity Table

Heating

TC : Total Capacity, PI : Power Input

Combination, % (Capacityy index)	Outdoor temperature (ºC)		Indoor temperature (ºC, 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	15	14	22.90	4.55	22.80	4.63	21.40	4.29	20.10	3.95	18.60	3.63
	13	12	22.20	4.50	22.20	4.59	21.40	4.45	20.10	4.10	18.60	3.76
	11	10	21.50	4.45	21.40	4.54	21.40	4.62	20.10	4.26	18.60	3.91
	9	8	20.90	4.39	20.80	4.49	20.80	4.58	20.10	4.42	18.60	4.06
	7	6	20.20	4.38	20.20	4.48	20.20	4.58	20.10	4.65	18.60	4.26
	5	4	19.60	4.36	19.60	4.47	19.50	4.57	19.50	4.67	18.60	4.48
	3	2	19.00	4.30	18.90	4.40	18.90	4.50	18.90	4.62	18.60	4.67
	0	-1	17.90	4.18	17.90	4.30	17.80	4.41	17.80	4.52	17.80	4.63
	-3	-4	16.90	4.06	16.90	4.18	16.90	4.30	16.80	4.41	16.80	4.53
	-5	-6	16.30	4.17	16.30	4.30	16.20	4.42	16.20	4.56	16.20	4.69
	-7	-8	15.70	4.06	15.60	4.20	15.60	4.33	15.50	4.47	15.50	4.60
	-10	-11	14.40	4.01	14.40	4.16	14.40	4.31	14.30	4.46	14.30	4.61
	-12	-13	13.80	3.87	13.70	4.03	13.70	4.18	13.70	4.35	13.60	4.50
	-15	-16	13.10	3.71	13.10	3.88	13.00	4.05	13.00	4.21	13.00	4.38
	-17	-18	12.50	3.44	12.40	3.61	12.40	3.79	12.30	3.96	12.30	4.13
	-20	-21	11.40	3.16	11.30	3.34	11.30	3.53	11.30	3.72	11.20	3.91
120	15	14	22.40	4.51	21.00	4.20	19.80	3.89	18.50	3.60	17.20	3.30
	13	12	22.20	4.62	21.00	4.35	19.80	4.03	18.50	3.72	17.20	3.42
	11	10	21.40	4.57	21.00	4.52	19.80	4.19	18.50	3.86	17.20	3.55
	9	8	20.80	4.52	20.80	4.61	19.80	4.35	18.50	4.01	17.20	3.68
	7	6	20.20	4.51	20.10	4.61	19.80	4.58	18.50	4.22	17.20	3.86
	5	4	19.60	4.50	19.50	4.60	19.50	4.69	18.50	4.43	17.20	4.06
	3	2	18.90	4.44	18.90	4.54	18.90	4.63	18.50	4.62	17.20	4.23
	0	-1	17.90	4.33	17.80	4.44	17.80	4.54	17.80	4.64	17.20	4.53
	-3	-4	16.90	4.22	16.90	4.33	16.80	4.44	16.80	4.55	16.80	4.65
	-5	-6	16.30	4.34	16.20	4.46	16.20	4.58	16.20	4.70	16.10	4.82
	-7	-8	15.60	4.25	15.60	4.37	15.50	4.49	15.50	4.62	15.50	4.75
	-10	-11	14.40	4.21	14.30	4.35	14.30	4.49	14.30	4.63	14.20	4.78
	-12	-13	13.70	4.08	13.70	4.22	13.70	4.38	13.60	4.52	13.60	4.67
	-15	-16	13.10	3.94	13.00	4.09	13.00	4.24	13.00	4.40	12.90	4.56
	-17	-18	12.40	3.67	12.40	3.83	12.30	3.99	12.30	4.15	12.30	4.31
	-20	-21	11.30	3.40	11.30	3.58	11.30	3.75	11.20	3.93	11.20	4.10
110	15	14	20.50	4.06	19.30	3.78	18.10	3.50	17.00	3.25	15.80	2.99
	13	12	20.50	4.20	19.30	3.91	18.10	3.63	17.00	3.36	15.80	3.09
	11	10	20.50	4.37	19.30	4.06	18.10	3.77	17.00	3.48	15.80	3.20
	9	8	20.50	4.54	19.30	4.22	18.10	3.91	17.00	3.61	15.80	3.32
	7	6	20.10	4.64	19.30	4.44	18.10	4.11	17.00	3.79	15.80	3.48
	5	4	19.50	4.63	19.30	4.67	18.10	4.32	17.00	3.98	15.80	3.66
	3	2	18.90	4.58	18.80	4.67	18.10	4.50	17.00	4.16	15.80	3.81
	0	-1	17.80	4.48	17.80	4.58	17.80	4.67	17.00	4.44	15.80	4.07
	-3	-4	16.80	4.38	16.80	4.47	16.80	4.58	16.70	4.68	15.80	4.38
	-5	-6	16.20	4.52	16.20	4.63	16.10	4.74	16.10	4.85	15.80	4.83
	-7	-8	15.60	4.42	15.50	4.54	15.50	4.66	15.50	4.77	15.40	4.89
	-10	-11	14.30	4.42	14.30	4.54	14.30	4.67	14.20	4.81	14.20	4.93
	-12	-13	13.70	4.30	13.60	4.43	13.60	4.56	13.60	4.70	13.60	4.84
	-15	-16	13.00	4.16	13.00	4.31	13.00	4.45	12.90	4.59	12.90	4.73
	-17	-18	12.40	3.91	12.30	4.05	12.30	4.20	12.30	4.35	12.20	4.50
	-20	-21	11.30	3.66	11.20	3.82	11.20	3.98	11.20	4.14	11.10	4.30
100	15	14	18.60	3.52	17.50	3.29	16.20	3.05	15.50	2.83	14.30	2.61
	13	12	18.60	3.64	17.50	3.39	16.20	3.16	15.50	2.92	14.30	2.70
	11	10	18.60	3.79	17.50	3.53	16.20	3.28	15.50	3.03	14.30	2.80
	9	8	18.60	3.93	17.50	3.66	16.20	3.39	15.50	3.14	14.30	2.89
	7	6	18.60	4.12	17.50	3.84	16.00	3.61	15.50	3.29	14.30	3.03
	5	4	18.60	4.34	17.50	4.04	16.00	3.75	15.50	3.46	14.30	3.18
	3	2	18.60	4.53	17.50	4.21	16.00	3.90	15.50	3.60	14.30	3.31
	0	-1	17.80	4.51	17.50	4.50	16.00	4.17	15.50	3.85	14.30	3.53
	-3	-4	16.80	4.42	16.80	4.50	16.00	4.49	15.50	4.14	14.30	3.79
	-5	-6	16.20	4.56	16.10	4.66	15.80	4.77	15.50	4.56	14.30	4.18
	-7	-8	15.50	4.49	15.50	4.59	15.10	4.69	15.40	4.79	14.30	4.41
	-10	-11	14.30	4.50	14.30	4.61	14.10	4.73	14.20	4.84	14.20	4.96
	-12	-13	13.60	4.39	13.60	4.51	13.50	4.63	13.50	4.75	13.50	4.87
	-15	-16	13.00	4.27	12.90	4.40	12.80	4.53	12.90	4.65	12.90	4.78
	-17	-18	12.30	4.03	12.30	4.16	12.10	4.29	12.20	4.41	12.20	4.55
	-20	-21	11.20	3.82	11.20	3.95	11.20	4.10	11.10	4.23	11.10	4.38
90	15	14	16.80	3.19	15.80	2.98	14.80	2.78	13.90	2.58	12.90	2.39
	13	12	16.80	3.30	15.80	3.08	14.80	2.87	13.90	2.67	12.90	2.47
	11	10	16.80	3.43	15.80	3.20	14.80	2.98	13.90	2.76	12.90	2.55
	9	8	16.80	3.55	15.80	3.31	14.80	3.08	13.90	2.86	12.90	2.64
	7	6	16.80	3.73	15.80	3.48	14.80	3.23	13.90	2.99	12.90	2.76
	5	4	16.80	3.92	15.80	3.65	14.80	3.39	13.90	3.15	12.90	2.89
	3	2	16.80	4.08	15.80	3.80	14.80	3.53	13.90	3.27	12.90	3.01
	0	-1	16.80	4.36	15.80	4.06	14.80	3.77	13.90	3.48	12.90	3.20
	-3	-4	16.70	4.70	15.80	4.37	14.80	4.05	13.90	3.74	12.90	3.44
	-5	-6	16.10	4.87	15.80	4.83	14.80	4.46	13.90	4.12	12.90	3.78
	-7	-8	15.50	4.80	15.40	4.89	14.80	4.72	13.90	4.34	12.90	3.98
	-10	-11	14.20	4.83	14.20	4.93	14.20	5.03	13.90	4.97	12.90	4.55
	-12	-13	13.60	4.72	13.60	4.84	13.50	4.95	13.50	5.06	12.90	4.84
	-15	-16	12.90	4.62	12.90	4.73	12.90	4.85	12.80	4.97	12.80	5.08
	-17	-18	12.30	4.38	12.20	4.50	12.20	4.61	12.20	4.73	12.20	4.85
	-20	-21	11.20	4.17	11.10	4.30	11.10	4.43	11.10	4.56	11.10	4.69
80	15	14	14.80	2.79	14.00	2.61	13.20	2.44	12.40	2.27	11.50	2.10
	13	12	14.80	2.88	14.00	2.70	13.20	2.51	12.40	2.34	11.50	2.17
	11	10	14.80	2.99	14.00	2.80	13.20	2.61	12.40	2.42	11.50	2.25
	9	8	14.80	3.09	14.00	2.89	13.20	2.70	12.40	2.50	11.50	2.32
	7	6	14.80	3.24	14.00	3.03	13.20	2.83	12.40	2.62	11.50	2.43
	5	4	14.80	3.41	14.00	3.18	13.20	2.96	12.40	2.74	11.50	2.54
	3	2	14.80	3.55	14.00	3.30	13.20	3.08	12.40	2.86	11.50	2.64
	0	-1	14.80	3.78	14.00	3.53	13.20	3.28	12.40	3.03	11.50	2.80
	-3	-4	14.80	4.06	14.00	3.79	13.20	3.52	12.40	3.25	11.50	3.00
	-5	-6	14.80	4.48	14.00	4.18	13.20	3.87	12.40	3.58	11.50	3.29

10. Capacity Table

Heating

TC : Total Capacity, PI : Power Input

Combination, % (Capacityy index)	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
80	-7	-8	14.80	4.73	14.00	4.40	13.20	4.08	12.40	3.76	11.50	3.47
	-10	-11	14.20	5.03	14.00	5.04	13.20	4.66	12.40	4.31	11.50	3.95
	-12	-13	13.50	4.94	13.50	5.04	13.20	4.96	12.40	4.57	11.50	4.19
	-15	-16	12.90	4.85	12.80	4.95	12.80	5.05	12.40	4.88	11.50	4.47
	-17	-18	12.20	4.60	12.20	4.71	12.20	4.82	12.10	4.92	11.50	4.65
	-20	-21	11.10	4.43	11.10	4.54	11.10	4.65	11.10	4.77	11.00	4.89
70	15	14	13.00	2.40	12.30	2.26	11.50	2.11	10.80	1.97	10.10	1.83
	13	12	13.00	2.49	12.30	2.33	11.50	2.18	10.80	2.04	10.10	1.89
	11	10	13.00	2.57	12.30	2.41	11.50	2.26	10.80	2.10	10.10	1.95
	9	8	13.00	2.66	12.30	2.50	11.50	2.33	10.80	2.17	10.10	2.01
	7	6	13.00	2.78	12.30	2.60	11.50	2.44	10.80	2.27	10.10	2.10
	5	4	13.00	2.92	12.30	2.73	11.50	2.55	10.80	2.37	10.10	2.20
	3	2	13.00	3.03	12.30	2.84	11.50	2.65	10.80	2.46	10.10	2.27
	0	-1	13.00	3.23	12.30	3.02	11.50	2.82	10.80	2.61	10.10	2.42
	-3	-4	13.00	3.46	12.30	3.24	11.50	3.01	10.80	2.79	10.10	2.58
	-5	-6	13.00	3.81	12.30	3.56	11.50	3.31	10.80	3.07	10.10	2.83
	-7	-8	13.00	4.02	12.30	3.75	11.50	3.48	10.80	3.22	10.10	2.97
	-10	-11	13.00	4.59	12.30	4.28	11.50	3.97	10.80	3.66	10.10	3.38
	-12	-13	13.00	4.89	12.30	4.54	11.50	4.21	10.80	3.89	10.10	3.58
	-15	-16	12.80	5.07	12.30	4.85	11.50	4.49	10.80	4.14	10.10	3.81
	-17	-18	12.20	4.84	12.10	4.93	11.50	4.67	10.80	4.31	10.10	3.95
	-20	-21	11.10	4.67	11.10	4.78	11.00	4.88	10.80	4.81	10.10	4.41
60	15	14	11.10	2.05	10.50	1.92	9.90	1.81	9.30	1.69	8.60	1.58
	13	12	11.10	2.10	10.50	1.98	9.90	1.85	9.30	1.73	8.60	1.61
	11	10	11.10	2.17	10.50	2.05	9.90	1.92	9.30	1.79	8.60	1.67
	9	8	11.10	2.25	10.50	2.11	9.90	1.98	9.30	1.84	8.60	1.72
	7	6	11.10	2.34	10.50	2.21	9.90	2.07	9.30	1.93	8.60	1.80
	5	4	11.10	2.46	10.50	2.31	9.90	2.16	9.30	2.01	8.60	1.87
	3	2	11.10	2.56	10.50	2.40	9.90	2.24	9.30	2.09	8.60	1.94
	0	-1	11.10	2.71	10.50	2.54	9.90	2.38	9.30	2.21	8.60	2.05
	-3	-4	11.10	2.90	10.50	2.71	9.90	2.54	9.30	2.36	8.60	2.18
	-5	-6	11.10	3.18	10.50	2.98	9.90	2.78	9.30	2.59	8.60	2.39
	-7	-8	11.10	3.35	10.50	3.13	9.90	2.92	9.30	2.71	8.60	2.51
	-10	-11	11.10	3.82	10.50	3.56	9.90	3.32	9.30	3.07	8.60	2.84
	-12	-13	11.10	4.05	10.50	3.78	9.90	3.51	9.30	3.26	8.60	3.00
	-15	-16	11.10	4.31	10.50	4.02	9.90	3.73	9.30	3.45	8.60	3.18
	-17	-18	11.10	4.49	10.50	4.18	9.90	3.87	9.30	3.58	8.60	3.29
	-20	-21	11.00	4.93	10.50	4.66	9.90	4.32	9.30	3.98	8.60	3.66
50	15	14	9.30	1.70	8.80	1.60	8.20	1.50	7.70	1.41	7.20	1.32
	13	12	9.30	1.74	8.80	1.64	8.20	1.55	7.70	1.45	7.20	1.36
	11	10	9.30	1.80	8.80	1.70	8.20	1.60	7.70	1.50	7.20	1.40
	9	8	9.30	1.85	8.80	1.75	8.20	1.64	7.70	1.54	7.20	1.44
	7	6	9.30	1.94	8.80	1.83	8.20	1.71	7.70	1.60	7.20	1.50
	5	4	9.30	2.02	8.80	1.91	8.20	1.79	7.70	1.68	7.20	1.56
	3	2	9.30	2.10	8.80	1.98	8.20	1.85	7.70	1.73	7.20	1.62
	0	-1	9.30	2.22	8.80	2.09	8.20	1.96	7.70	1.83	7.20	1.70
	-3	-4	9.30	2.37	8.80	2.23	8.20	2.08	7.70	1.95	7.20	1.81
	-5	-6	9.30	2.60	8.80	2.44	8.20	2.28	7.70	2.12	7.20	1.98
	-7	-8	9.30	2.72	8.80	2.56	8.20	2.39	7.70	2.22	7.20	2.06
	-10	-11	9.30	3.09	8.80	2.90	8.20	2.70	7.70	2.51	7.20	2.33
	-12	-13	9.30	3.27	8.80	3.06	8.20	2.86	7.70	2.65	7.20	2.46
	-15	-16	9.30	3.47	8.80	3.24	8.20	3.02	7.70	2.81	7.20	2.60
	-17	-18	9.30	3.60	8.80	3.36	8.20	3.14	7.70	2.91	7.20	2.69
	-20	-21	9.30	4.01	8.80	3.74	8.20	3.47	7.70	3.22	7.20	2.97

NOTE

- Capacity table may be subject to change without prior notice.
- Capacity table comply with EN14511.
- Cooling capacities are based on;
  - Indoor temperature : 27°C DB, 19°C WB
  - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m
- Heating capacities are based on;
  - Indoor temperature : 20°C DB, 15°C WB
  - Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

10. Capacity Table

AM060TXMDEH/TK

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
130	10	13.80	1.98	16.40	2.43	19.10	2.89	20.50	3.12	20.70	3.06	21.20	2.93	21.70	2.79
	12	13.80	2.02	16.40	2.47	19.10	2.94	20.20	3.10	20.40	3.04	20.90	2.91	21.40	2.86
	14	13.80	2.06	16.40	2.52	19.00	3.00	19.90	3.09	20.20	3.02	20.70	3.00	21.20	3.02
	16	13.80	2.10	16.40	2.58	19.00	3.06	19.60	3.11	19.80	3.13	20.30	3.16	20.90	3.19
	18	13.80	2.14	16.40	2.62	19.00	3.26	19.30	3.28	19.50	3.29	20.00	3.32	20.50	3.35
	20	13.70	2.18	16.40	2.79	18.80	3.42	19.00	3.43	19.30	3.45	19.80	3.49	20.30	3.52
	21	13.70	2.25	16.40	2.89	18.70	3.50	18.90	3.52	19.20	3.53	19.60	3.56	20.10	3.60
	23	13.70	2.40	16.30	3.10	18.40	3.66	18.60	3.68	18.90	3.70	19.40	3.73	19.90	3.76
	25	13.70	2.57	16.30	3.32	18.00	3.82	18.30	3.84	18.50	3.85	19.00	3.89	19.50	3.93
	27	13.70	2.75	16.30	3.55	17.80	3.98	18.00	4.00	18.30	4.02	18.80	4.05	19.20	4.10
	29	13.70	2.93	16.30	3.80	17.50	4.14	17.80	4.16	18.00	4.18	18.50	4.23	19.00	4.26
	31	13.70	3.12	16.30	4.05	17.30	4.30	17.50	4.32	17.70	4.35	18.20	4.39	18.70	4.44
	33	13.60	3.33	16.30	4.33	17.00	4.47	17.20	4.48	17.50	4.51	18.00	4.56	18.50	4.60
	35	13.60	3.54	16.10	4.57	16.60	4.63	16.90	4.65	17.10	4.68	17.60	4.73	18.10	4.78
	37	13.20	3.59	15.40	4.50	15.90	4.55	16.10	4.57	16.40	4.60	16.80	4.65	17.30	4.70
	39	12.90	3.62	14.80	4.41	15.30	4.46	15.50	4.49	15.80	4.51	16.30	4.56	16.70	4.61
	42	12.90	3.83	14.50	4.56	15.00	4.61	15.20	4.64	15.50	4.67	16.10	4.72	16.50	4.77
	44	12.90	4.04	14.30	4.71	14.70	4.76	14.90	4.80	15.20	4.82	15.90	4.87	16.30	4.92
	46	12.90	4.26	14.00	4.86	14.40	4.91	14.60	4.96	14.90	4.98	15.70	5.03	16.20	5.08
120	10	12.80	1.82	15.20	2.22	17.70	2.63	18.90	2.85	20.10	3.06	20.80	3.02	21.30	2.90
	12	12.80	1.84	15.20	2.26	17.60	2.68	18.90	2.90	20.10	3.12	20.60	3.00	21.00	2.88
	14	12.80	1.88	15.20	2.30	17.60	2.74	18.80	2.96	19.90	3.10	20.30	2.99	20.80	3.00
	16	12.80	1.92	15.20	2.35	17.60	2.79	18.80	3.01	19.50	3.11	20.00	3.14	20.40	3.17
	18	12.70	1.95	15.20	2.39	17.60	2.89	18.80	3.20	19.20	3.27	19.70	3.30	20.10	3.32
	20	12.70	1.99	15.20	2.48	17.60	3.10	18.80	3.42	19.00	3.43	19.40	3.46	19.90	3.49
	21	12.70	2.01	15.10	2.58	17.60	3.21	18.60	3.50	18.80	3.52	19.30	3.54	19.80	3.57
	23	12.70	2.15	15.10	2.76	17.50	3.44	18.40	3.65	18.60	3.67	19.00	3.71	19.50	3.73
	25	12.70	2.29	15.10	2.95	17.50	3.69	18.00	3.82	18.20	3.84	18.70	3.86	19.10	3.90
	27	12.70	2.45	15.10	3.16	17.50	3.95	17.70	3.97	18.00	3.99	18.40	4.03	18.90	4.06
	29	12.70	2.61	15.10	3.37	17.20	4.12	17.50	4.14	17.70	4.15	18.10	4.19	18.60	4.24
	31	12.70	2.79	15.10	3.60	17.00	4.27	17.20	4.30	17.40	4.32	17.90	4.36	18.30	4.40
	33	12.60	2.97	15.10	3.84	16.70	4.44	16.90	4.46	17.20	4.48	17.60	4.52	18.10	4.57
	35	12.60	3.16	15.00	4.09	16.40	4.60	16.60	4.62	16.80	4.65	17.30	4.69	17.70	4.74
	37	12.20	3.19	14.60	4.14	15.60	4.52	15.80	4.55	16.00	4.57	16.50	4.61	17.00	4.66
	39	12.00	3.22	14.30	4.18	15.00	4.43	15.30	4.45	15.50	4.48	15.90	4.52	16.30	4.57
	42	12.00	3.42	14.30	4.45	14.70	4.58	15.10	4.60	15.30	4.63	15.60	4.67	16.10	4.73
	44	12.00	3.62	14.30	4.71	14.40	4.73	14.90	4.75	15.10	4.77	15.30	4.82	15.80	4.88
	46	12.00	3.81	14.30	4.97	14.20	4.87	14.70	4.90	14.90	4.92	15.00	4.96	15.50	5.04
110	10	11.70	1.64	13.90	2.01	16.10	2.38	17.40	2.58	18.50	2.77	20.50	3.11	20.90	3.00
	12	11.70	1.68	13.90	2.05	16.10	2.43	17.30	2.62	18.50	2.82	20.20	3.10	20.60	2.99
	14	11.70	1.71	13.90	2.08	16.10	2.47	17.30	2.68	18.40	2.88	20.00	3.08	20.40	2.99
	16	11.60	1.73	13.90	2.12	16.10	2.52	17.30	2.72	18.40	2.93	19.60	3.12	20.00	3.14
	18	11.60	1.77	13.90	2.16	16.10	2.58	17.30	2.80	18.40	3.08	19.30	3.28	19.80	3.31
	20	11.60	1.81	13.80	2.21	16.10	2.72	17.30	3.01	18.40	3.31	19.10	3.44	19.50	3.47
	21	11.60	1.83	13.80	2.27	16.00	2.82	17.30	3.11	18.40	3.43	19.00	3.52	19.40	3.54
	23	11.60	1.91	13.80	2.44	16.00	3.02	17.20	3.34	18.20	3.65	18.70	3.68	19.10	3.71
	25	11.60	2.04	13.80	2.60	16.00	3.24	17.20	3.58	17.90	3.81	18.30	3.84	18.70	3.87
	27	11.60	2.17	13.80	2.79	16.00	3.46	17.20	3.84	17.70	3.97	18.10	4.00	18.50	4.04
	29	11.60	2.32	13.80	2.97	16.00	3.70	17.20	4.10	17.40	4.13	17.80	4.16	18.20	4.20
	31	11.60	2.47	13.80	3.17	16.00	3.95	16.90	4.27	17.10	4.29	17.50	4.33	18.00	4.36
	33	11.50	2.63	13.70	3.38	16.00	4.22	16.70	4.43	16.90	4.45	17.30	4.49	17.70	4.53
	35	11.50	2.79	13.70	3.60	15.90	4.50	16.30	4.59	16.50	4.61	16.90	4.66	17.30	4.69
	37	11.20	2.82	13.30	3.63	15.30	4.49	15.50	4.52	15.70	4.54	16.20	4.58	16.60	4.62
	39	10.90	2.84	13.00	3.67	14.80	4.40	15.00	4.43	15.20	4.45	15.60	4.49	16.00	4.53
	42	10.90	3.02	13.00	3.89	14.60	4.55	14.80	4.58	15.00	4.59	15.30	4.64	15.70	4.68
	44	10.90	3.19	13.00	4.11	14.40	4.70	14.60	4.73	14.80	4.74	15.00	4.78	15.40	4.82
	46	10.90	3.36	13.00	4.33	14.30	4.85	14.40	4.87	14.60	4.89	14.70	4.93	15.10	4.97
100	10	10.70	1.49	12.70	1.80	14.70	2.14	15.70	2.30	16.80	2.48	18.80	2.83	20.50	3.10
	12	10.70	1.51	12.70	1.84	14.70	2.17	15.70	2.35	16.70	2.53	18.80	2.89	20.30	3.09
	14	10.60	1.53	12.70	1.87	14.70	2.22	15.70	2.39	16.70	2.58	18.70	2.94	20.00	3.07
	16	10.60	1.56	12.70	1.90	14.70	2.26	15.70	2.44	16.70	2.62	18.70	3.00	19.60	3.12
	18	10.60	1.60	12.60	1.94	14.70	2.30	15.70	2.49	16.70	2.68	18.70	3.17	19.40	3.28
	20	10.60	1.63	12.60	1.98	14.70	2.37	15.70	2.61	16.70	2.87	18.70	3.42	19.10	3.44
	21	10.60	1.64	12.60	2.00	14.60	2.46	15.60	2.70	16.70	2.97	18.60	3.50	19.00	3.52
	23	10.60	1.68	12.60	2.13	14.60	2.63	15.60	2.90	16.60	3.19	18.20	3.65	18.70	3.68
	25	10.60	1.80	12.60	2.27	14.60	2.81	15.60	3.10	16.60	3.42	18.00	3.82	18.40	3.84
	27	10.60	1.92	12.60	2.43	14.60	3.00	15.60	3.32	16.60	3.65	17.70	3.97	18.10	4.01
	29	10.60	2.04	12.60	2.59	14.60	3.21	15.60	3.55	16.60	3.90	17.50	4.14	17.80	4.16
	31	10.50	2.17	12.60	2.77	14.60	3.42	15.60	3.79	16.60	4.16	17.20	4.29	17.60	4.33
	33	10.50	2.31	12.50	2.94	14.50	3.65	15.60	4.05	16.60	4.42	16.90	4.46	17.30	4.49
	35	10.50	2.46	12.50	3.13	14.50	3.90	15.50	4.31	16.20	4.58	16.60	4.62	16.90	4.66
	37	10.20	2.47	12.10	3.17	14.10	3.95	15.00	4.36	15.40	4.51	15.80	4.55	16.20	4.58
	39	10.00	2.49	11.90	3.19	13.80	3.98	14.70	4.40	14.90	4.41	15.20	4.45	15.60	4.50
	42	10.00	2.64	11.90	3.38	13.80	4.22	14.70	4.66	14.70	4.55	14.90	4.60	15.30	4.65
	44	10.00	2.79	11.90	3.57	13.80	4.45	14.70	4.92	14.50	4.69	14.60	4.75	15.00	4.81
	46	10.00	2.93	11.90	3.76	13.80	4.69	14.70	5.19	14.40	4.83	14.40	4.90	14.70	4.96
90	10	9.60	1.33	11.40	1.61	13.20	1.89	14.20	2.05	15.10	2.19	17.00	2.51	18.80	2.83
	12	9.50	1.35	11.40	1.63	13.20	1.93	14.20	2.08	15.10	2.24	16.90	2.56	18.80	2.88
	14	9.50	1.38	11.40	1.66	13.20	1.96	14.20	2.12	15.10	2.28	16.90	2.60	18.70	2.93
	16	9.50	1.40	11.30	1.69	13.20	2.00	14.20	2.16	15.10	2.32	16.90	2.66	18.70	3.00
	18	9.50	1.42	11.30	1.73	13.10	2.04	14.20	2.20	15.10	2.37	16.90	2.71	18.70	3.16
	20	9.50	1.45	11.30	1.75	13.10	2.08	14.10	2.25	15.10	2.46	16.90	2.91	18.70	3.40
	21	9.50	1.46	11.30	1.77	13.10	2.12	14.10	2.33	15.00	2.55	16.90	3.01	18.60	3.50
	23	9.50	1.49	11.30	1.84	13.10	2.26	14.10	2.49	15.00	2.73	16.80	3.23	18.20	3.65
	25	9.50	1.57	11.30	1.97	13.10	2.42	14.10	2.67	15.00	2.92	16.80	3.46	18.00	3.82
	27	9.50	1.67	11.30	2.10	13.10	2.58	14.10	2.85	15.00	3.12	16.80	3.71	17.70	3.97
	29	9.50	1.78	11.30	2.25	13.10	2.76	14.10	3.04	15.00	3.33	16.80	3.96	17.40	4.14
	31	9.50	1.89	11.20	2.38	13.10	2.94	14.10	3.24	15.00	3.55	16.80	4.23	17.20	4.29
	33	9.40	2.01	11.20	2.54	13.00	3.13	14.00	3.45	14.90	3.79	16.60	4.43	16.90	4.46
	35	9.40	2.14	11.20	2.70	13.00	3.34	14.00	3.68	14.90	4.05	16.20	4.58	16.60	4.62

10. Capacity Table

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
90	37	9.10	2.15	10.90	2.73	12.60	3.37	13.60	3.72	14.50	4.09	15.50	4.51	15.80	4.55
	39	8.90	2.16	10.60	2.74	12.40	3.40	13.30	3.76	14.20	4.13	14.90	4.42	15.20	4.45
	42	8.90	2.28	10.60	2.90	12.40	3.61	13.30	3.99	14.20	4.39	14.60	4.57	14.90	4.60
	44	8.90	2.41	10.60	3.06	12.40	3.81	13.30	4.22	14.20	4.64	14.40	4.72	14.60	4.75
	46	8.90	2.53	10.60	3.21	12.40	4.02	13.30	4.45	14.20	4.90	14.10	4.87	14.40	4.90
80	10	8.50	1.18	10.20	1.42	11.80	1.66	12.60	1.79	13.40	1.92	15.00	2.19	16.70	2.47
	12	8.50	1.20	10.10	1.43	11.80	1.69	12.60	1.82	13.40	1.95	15.00	2.23	16.60	2.51
	14	8.50	1.21	10.10	1.46	11.80	1.72	12.60	1.85	13.40	1.99	15.00	2.27	16.60	2.56
	16	8.50	1.24	10.10	1.49	11.70	1.75	12.60	1.89	13.40	2.03	15.00	2.32	16.60	2.61
	18	8.50	1.26	10.10	1.52	11.70	1.79	12.50	1.93	13.40	2.07	15.00	2.37	16.60	2.67
	20	8.50	1.29	10.10	1.54	11.70	1.82	12.50	1.96	13.30	2.11	15.00	2.45	16.60	2.85
	21	8.50	1.30	10.10	1.56	11.70	1.84	12.50	1.98	13.30	2.16	14.90	2.54	16.60	2.95
	23	8.40	1.31	10.10	1.59	11.70	1.93	12.50	2.11	13.30	2.30	14.90	2.72	16.50	3.16
	25	8.40	1.36	10.10	1.69	11.70	2.06	12.50	2.26	13.30	2.47	14.90	2.90	16.50	3.39
	27	8.40	1.45	10.10	1.80	11.70	2.20	12.50	2.41	13.30	2.63	14.90	3.10	16.50	3.63
	29	8.40	1.54	10.10	1.92	11.70	2.34	12.50	2.57	13.30	2.81	14.90	3.32	16.50	3.87
	31	8.40	1.63	10.00	2.04	11.70	2.49	12.50	2.74	13.30	3.00	14.90	3.54	16.50	4.14
	33	8.40	1.73	10.00	2.17	11.60	2.66	12.40	2.91	13.20	3.19	14.80	3.78	16.50	4.42
	35	8.40	1.84	10.00	2.30	11.60	2.82	12.40	3.10	13.20	3.40	14.80	4.03	16.20	4.58
	37	8.10	1.85	9.70	2.32	11.30	2.85	12.00	3.14	12.80	3.44	14.40	4.08	15.40	4.50
	39	8.00	1.86	9.50	2.33	11.00	2.88	11.80	3.16	12.50	3.47	14.10	4.12	14.90	4.41
	42	8.00	1.96	9.50	2.47	11.00	3.05	11.80	3.35	12.50	3.68	14.10	4.37	14.70	4.56
	44	8.00	2.07	9.50	2.60	11.00	3.22	11.80	3.54	12.50	3.90	14.10	4.63	14.50	4.71
	46	8.00	2.18	9.50	2.73	11.00	3.39	11.80	3.73	12.50	4.11	14.10	4.88	14.40	4.86
70	10	7.40	1.04	8.90	1.23	10.30	1.43	11.10	1.54	11.80	1.65	13.20	1.88	14.60	2.12
	12	7.40	1.05	8.90	1.25	10.20	1.46	11.10	1.57	11.80	1.68	13.20	1.92	14.60	2.16
	14	7.40	1.07	8.80	1.27	10.20	1.49	11.00	1.60	11.80	1.72	13.20	1.95	14.60	2.19
	16	7.40	1.09	8.80	1.30	10.20	1.52	11.00	1.63	11.70	1.74	13.20	1.99	14.60	2.24
	18	7.40	1.10	8.80	1.31	10.20	1.54	11.00	1.66	11.70	1.78	13.10	2.03	14.60	2.28
	20	7.40	1.12	8.80	1.34	10.20	1.57	11.00	1.69	11.70	1.82	13.10	2.06	14.50	2.35
	21	7.40	1.13	8.80	1.35	10.20	1.59	11.00	1.71	11.70	1.84	13.10	2.10	14.50	2.43
	23	7.40	1.15	8.80	1.38	10.20	1.62	11.00	1.76	11.70	1.92	13.10	2.25	14.50	2.60
	25	7.40	1.18	8.80	1.43	10.20	1.73	11.00	1.88	11.70	2.05	13.10	2.40	14.50	2.79
	27	7.40	1.24	8.80	1.52	10.20	1.84	11.00	2.01	11.70	2.19	13.10	2.57	14.50	2.98
	29	7.40	1.31	8.80	1.63	10.20	1.96	11.00	2.14	11.70	2.33	13.10	2.74	14.50	3.18
	31	7.40	1.40	8.80	1.73	10.10	2.08	10.90	2.28	11.70	2.48	13.10	2.91	14.50	3.39
	33	7.30	1.48	8.80	1.83	10.10	2.22	10.90	2.43	11.60	2.64	13.00	3.10	14.40	3.62
	35	7.30	1.57	8.70	1.94	10.10	2.36	10.90	2.58	11.60	2.81	13.00	3.31	14.40	3.85
	37	7.10	1.58	8.50	1.95	9.80	2.38	10.60	2.60	11.30	2.84	12.60	3.35	14.00	3.89
	39	7.00	1.58	8.30	1.96	9.60	2.39	10.40	2.62	11.00	2.86	12.40	3.38	13.70	3.93
	42	7.00	1.66	8.30	2.08	9.60	2.53	10.40	2.78	11.00	3.03	12.40	3.58	13.70	4.17
	44	7.00	1.74	8.30	2.19	9.60	2.67	10.40	2.93	11.00	3.21	12.40	3.79	13.70	4.40
	46	7.00	1.82	8.30	2.31	9.60	2.81	10.40	3.09	11.00	3.38	12.40	3.99	13.70	4.64
60	10	6.40	0.90	7.60	1.06	8.80	1.22	9.40	1.31	10.10	1.41	11.30	1.59	12.50	1.78
	12	6.40	0.91	7.60	1.08	8.80	1.24	9.40	1.33	10.00	1.42	11.30	1.62	12.50	1.81
	14	6.40	0.93	7.60	1.10	8.80	1.27	9.40	1.36	10.00	1.45	11.20	1.64	12.50	1.84
	16	6.40	0.94	7.60	1.11	8.80	1.29	9.40	1.38	10.00	1.48	11.20	1.67	12.50	1.88
	18	6.40	0.96	7.60	1.13	8.80	1.31	9.40	1.41	10.00	1.51	11.20	1.71	12.40	1.92
	20	6.30	0.97	7.60	1.15	8.80	1.33	9.40	1.43	10.00	1.53	11.20	1.73	12.40	1.95
	21	6.30	0.98	7.60	1.16	8.80	1.35	9.40	1.44	10.00	1.54	11.20	1.75	12.40	1.97
	23	6.30	1.00	7.60	1.18	8.80	1.37	9.40	1.47	10.00	1.58	11.20	1.83	12.40	2.09
	25	6.30	1.01	7.50	1.20	8.80	1.42	9.40	1.55	10.00	1.67	11.20	1.94	12.40	2.24
	27	6.30	1.05	7.50	1.27	8.80	1.52	9.40	1.64	10.00	1.78	11.20	2.07	12.40	2.39
	29	6.30	1.11	7.50	1.35	8.70	1.62	9.40	1.75	10.00	1.90	11.20	2.21	12.40	2.55
	31	6.30	1.18	7.50	1.43	8.70	1.72	9.30	1.86	9.90	2.02	11.10	2.36	12.40	2.71
	33	6.30	1.24	7.50	1.52	8.70	1.82	9.30	1.98	9.90	2.15	11.10	2.50	12.30	2.89
	35	6.30	1.31	7.50	1.61	8.70	1.93	9.30	2.10	9.90	2.28	11.10	2.67	12.30	3.08
	37	6.10	1.32	7.30	1.61	8.40	1.94	9.00	2.12	9.60	2.30	10.80	2.69	11.90	3.11
	39	6.00	1.32	7.10	1.62	8.30	1.95	8.80	2.13	9.40	2.32	10.60	2.71	11.70	3.13
	42	6.00	1.40	7.10	1.71	8.30	2.05	8.80	2.25	9.40	2.46	10.60	2.88	11.70	3.31
	44	6.00	1.47	7.10	1.80	8.30	2.16	8.80	2.38	9.40	2.60	10.60	3.04	11.70	3.49
	46	6.00	1.55	7.10	1.89	8.30	2.27	8.80	2.50	9.40	2.74	10.60	3.21	11.70	3.67
50	10	5.30	0.78	6.30	0.89	7.40	1.03	7.90	1.10	8.40	1.16	9.40	1.31	10.50	1.45
	12	5.30	0.79	6.30	0.91	7.40	1.04	7.90	1.11	8.40	1.19	9.40	1.33	10.40	1.48
	14	5.30	0.79	6.30	0.92	7.30	1.06	7.90	1.13	8.40	1.21	9.40	1.35	10.40	1.51
	16	5.30	0.80	6.30	0.94	7.30	1.08	7.80	1.15	8.40	1.22	9.40	1.38	10.40	1.53
	18	5.30	0.82	6.30	0.95	7.30	1.10	7.80	1.17	8.30	1.24	9.40	1.40	10.40	1.56
	20	5.30	0.83	6.30	0.97	7.30	1.11	7.80	1.19	8.30	1.27	9.40	1.42	10.40	1.59
	21	5.30	0.84	6.30	0.98	7.30	1.12	7.80	1.20	8.30	1.28	9.30	1.44	10.40	1.61
	23	5.30	0.85	6.30	0.99	7.30	1.14	7.80	1.22	8.30	1.30	9.30	1.47	10.40	1.64
	25	5.30	0.86	6.30	1.00	7.30	1.16	7.80	1.24	8.30	1.34	9.30	1.54	10.40	1.75
	27	5.30	0.88	6.30	1.04	7.30	1.22	7.80	1.32	8.30	1.42	9.30	1.64	10.40	1.87
	29	5.30	0.92	6.30	1.10	7.30	1.30	7.80	1.41	8.30	1.52	9.30	1.74	10.40	1.99
	31	5.30	0.98	6.30	1.17	7.30	1.38	7.80	1.49	8.30	1.61	9.30	1.85	10.30	2.12
	33	5.30	1.03	6.30	1.24	7.30	1.46	7.80	1.58	8.30	1.71	9.30	1.97	10.30	2.26
	35	5.20	1.09	6.20	1.31	7.30	1.54	7.80	1.67	8.30	1.81	9.30	2.09	10.30	2.39
	37	5.10	1.09	6.10	1.31	7.00	1.55	7.50	1.68	8.00	1.82	9.00	2.11	10.00	2.41
	39	5.00	1.09	5.90	1.31	6.90	1.56	7.40	1.69	7.80	1.82	8.80	2.12	9.80	2.43
	42	5.00	1.15	5.90	1.39	6.90	1.65	7.40	1.79	7.80	1.92	8.80	2.24	9.80	2.58
	44	5.00	1.21	5.90	1.46	6.90	1.74	7.40	1.89	7.80	2.02	8.80	2.37	9.80	2.73
	46	5.00	1.27	5.90	1.54	6.90	1.83	7.40	1.99	7.80	2.12	8.80	2.49	9.80	2.88

NOTE

- Capacity table may be subject to change without prior notice.
- Capacity table comply with EN14511.
- Cooling capacities are based on;
  - Indoor temperature : 27°C DB, 19°C WB
  - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m
- Heating capacities are based on;
  - Indoor temperature : 20°C DB, 15°C WB
  - Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

10. Capacity Table

Heating

TC : Total Capacity, PI : Power Input

Combination, % (Capacityy index)	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	15	14	23.30	4.48	23.20	4.58	23.20	4.68	22.60	4.60	21.00	4.22
	13	12	22.60	4.42	22.60	4.52	22.50	4.62	22.50	4.72	21.00	4.37
	11	10	21.80	4.36	21.80	4.47	21.80	4.57	21.70	4.68	21.00	4.54
	9	8	21.20	4.29	21.20	4.40	21.10	4.51	21.10	4.62	21.00	4.72
	7	6	20.60	4.27	20.50	4.38	20.50	4.50	20.50	4.62	20.40	4.73
	5	4	19.90	4.25	19.90	4.36	19.90	4.48	19.80	4.61	19.80	4.72
	3	2	19.30	4.17	19.30	4.29	19.20	4.42	19.20	4.54	19.10	4.66
	0	-1	18.20	4.04	18.20	4.18	18.20	4.30	18.10	4.43	18.10	4.56
	-3	-4	17.20	3.89	17.20	4.03	17.20	4.17	17.10	4.31	17.10	4.45
	-5	-6	16.60	3.98	16.60	4.14	16.50	4.29	16.50	4.43	16.40	4.58
	-7	-8	15.90	3.86	15.90	4.02	15.90	4.18	15.80	4.33	15.80	4.49
	-10	-11	14.70	3.77	14.70	3.94	14.60	4.11	14.60	4.30	14.50	4.47
	-12	-13	14.00	3.60	14.00	3.79	14.00	3.97	13.90	4.15	13.90	4.34
	-15	-16	13.40	3.42	13.30	3.61	13.30	3.82	13.20	4.01	13.20	4.20
	-17	-18	12.70	3.14	12.70	3.33	12.60	3.53	12.60	3.73	12.50	3.93
	-20	-21	11.60	2.80	11.60	3.02	11.50	3.24	11.50	3.45	11.40	3.67
120	15	14	23.20	4.61	23.20	4.71	22.30	4.52	20.80	4.17	19.40	3.84
	13	12	22.60	4.56	22.50	4.65	22.30	4.69	20.80	4.32	19.40	3.97
	11	10	21.80	4.50	21.80	4.60	21.70	4.70	20.80	4.49	19.40	4.12
	9	8	21.20	4.44	21.10	4.54	21.10	4.64	20.80	4.66	19.40	4.28
	7	6	20.50	4.43	20.50	4.53	20.40	4.63	20.40	4.75	19.40	4.49
	5	4	19.90	4.41	19.90	4.51	19.80	4.62	19.80	4.74	19.40	4.72
	3	2	19.30	4.33	19.20	4.45	19.20	4.56	19.10	4.67	19.10	4.78
	0	-1	18.20	4.22	18.20	4.33	18.10	4.46	18.10	4.58	18.00	4.70
	-3	-4	17.20	4.08	17.10	4.21	17.10	4.33	17.10	4.47	17.00	4.59
	-5	-6	16.60	4.19	16.50	4.33	16.50	4.46	16.40	4.60	16.40	4.74
	-7	-8	15.90	4.07	15.80	4.22	15.80	4.36	15.80	4.50	15.70	4.65
	-10	-11	14.60	4.00	14.60	4.16	14.60	4.33	14.50	4.49	14.50	4.65
	-12	-13	14.00	3.85	13.90	4.02	13.90	4.19	13.90	4.37	13.80	4.53
	-15	-16	13.30	3.68	13.30	3.87	13.20	4.04	13.20	4.22	13.20	4.41
	-17	-18	12.60	3.40	12.60	3.59	12.60	3.77	12.50	3.96	12.50	4.15
	-20	-21	11.50	3.10	11.50	3.29	11.50	3.49	11.40	3.70	11.40	3.90
110	15	14	23.00	4.72	21.70	4.39	20.40	4.07	19.10	3.77	17.80	3.47
	13	12	22.50	4.70	21.70	4.55	20.40	4.22	19.10	3.90	17.80	3.59
	11	10	21.70	4.64	21.70	4.72	20.40	4.38	19.10	4.05	17.80	3.72
	9	8	21.10	4.59	21.10	4.69	20.40	4.54	19.10	4.19	17.80	3.85
	7	6	20.50	4.58	20.40	4.68	20.40	4.77	19.10	4.40	17.80	4.04
	5	4	19.80	4.57	19.80	4.66	19.80	4.77	19.10	4.62	17.80	4.25
	3	2	19.20	4.50	19.20	4.61	19.10	4.71	19.10	4.81	17.80	4.43
	0	-1	18.10	4.39	18.10	4.50	18.10	4.62	18.00	4.72	17.80	4.73
	-3	-4	17.10	4.27	17.10	4.38	17.10	4.50	17.00	4.62	17.00	4.73
	-5	-6	16.50	4.38	16.50	4.51	16.40	4.64	16.40	4.77	16.40	4.90
	-7	-8	15.80	4.29	15.80	4.41	15.80	4.55	15.70	4.68	15.70	4.82
	-10	-11	14.60	4.23	14.60	4.39	14.50	4.54	14.50	4.68	14.50	4.84
	-12	-13	13.90	4.10	13.90	4.26	13.90	4.42	13.80	4.57	13.80	4.72
	-15	-16	13.30	3.95	13.20	4.11	13.20	4.28	13.20	4.44	13.10	4.61
	-17	-18	12.60	3.67	12.60	3.84	12.50	4.01	12.50	4.19	12.50	4.36
	-20	-21	11.50	3.38	11.50	3.57	11.40	3.76	11.40	3.94	11.30	4.13
100	15	14	20.90	4.20	19.80	3.92	18.20	3.64	17.30	3.38	16.20	3.12
	13	12	20.90	4.35	19.80	4.06	18.20	3.77	17.30	3.49	16.20	3.22
	11	10	20.90	4.51	19.80	4.21	18.20	3.91	17.30	3.61	16.20	3.34
	9	8	20.90	4.69	19.80	4.37	18.20	4.06	17.30	3.75	16.20	3.45
	7	6	20.40	4.74	19.80	4.59	18.00	4.39	17.30	3.93	16.20	3.61
	5	4	19.80	4.73	19.70	4.82	18.00	4.47	17.30	4.13	16.20	3.80
	3	2	19.10	4.66	19.10	4.77	18.00	4.66	17.30	4.30	16.20	3.95
	0	-1	18.10	4.57	18.00	4.66	17.50	4.77	17.30	4.59	16.20	4.21
	-3	-4	17.10	4.46	17.00	4.56	16.50	4.66	17.00	4.77	16.20	4.53
	-5	-6	16.40	4.59	16.40	4.71	15.90	4.83	16.30	4.93	16.20	4.99
	-7	-8	15.80	4.49	15.70	4.62	15.20	4.74	15.70	4.86	15.60	4.97
	-10	-11	14.50	4.48	14.50	4.61	14.20	4.74	14.40	4.89	14.40	5.02
	-12	-13	13.90	4.35	13.80	4.49	13.50	4.63	13.80	4.78	13.70	4.92
	-15	-16	13.20	4.21	13.20	4.36	12.80	4.51	13.10	4.66	13.10	4.81
	-17	-18	12.50	3.95	12.50	4.10	12.20	4.26	12.40	4.41	12.40	4.56
	-20	-21	11.40	3.68	11.40	3.85	11.40	4.02	11.30	4.19	11.30	4.36
90	15	14	18.90	3.71	17.70	3.47	16.70	3.23	15.70	3.00	14.50	2.77
	13	12	18.90	3.83	17.70	3.59	16.70	3.34	15.70	3.10	14.50	2.86
	11	10	18.90	3.98	17.70	3.72	16.70	3.46	15.70	3.21	14.50	2.96
	9	8	18.90	4.13	17.70	3.85	16.70	3.59	15.70	3.32	14.50	3.06
	7	6	18.90	4.34	17.70	4.04	16.70	3.75	15.70	3.48	14.50	3.21
	5	4	18.90	4.55	17.70	4.24	16.70	3.94	15.70	3.65	14.50	3.36
	3	2	18.90	4.75	17.70	4.42	16.70	4.10	15.70	3.80	14.50	3.50
	0	-1	18.00	4.74	17.70	4.72	16.70	4.38	15.70	4.04	14.50	3.73
	-3	-4	17.00	4.63	17.00	4.74	16.70	4.71	15.70	4.34	14.50	3.99
	-5	-6	16.40	4.80	16.40	4.90	16.30	5.00	15.70	4.79	14.50	4.39
	-7	-8	15.70	4.71	15.70	4.82	15.70	4.92	15.60	5.03	14.50	4.63
	-10	-11	14.50	4.71	14.50	4.84	14.40	4.96	14.40	5.08	14.40	5.20
	-12	-13	13.80	4.60	13.80	4.72	13.80	4.86	13.70	4.99	13.70	5.11
	-15	-16	13.10	4.48	13.10	4.61	13.10	4.74	13.10	4.88	13.00	5.01
	-17	-18	12.50	4.22	12.50	4.36	12.40	4.50	12.40	4.63	12.40	4.77
	-20	-21	11.40	3.98	11.30	4.13	11.30	4.29	11.30	4.44	11.30	4.58
80	15	14	16.80	3.24	15.80	3.04	14.80	2.83	13.90	2.64	12.90	2.45
	13	12	16.80	3.35	15.80	3.14	14.80	2.93	13.90	2.72	12.90	2.52
	11	10	16.80	3.47	15.80	3.25	14.80	3.03	13.90	2.82	12.90	2.61
	9	8	16.80	3.60	15.80	3.37	14.80	3.14	13.90	2.91	12.90	2.70
	7	6	16.80	3.77	15.80	3.52	14.80	3.28	13.90	3.05	12.90	2.82
	5	4	16.80	3.96	15.80	3.70	14.80	3.45	13.90	3.19	12.90	2.95
	3	2	16.80	4.12	15.80	3.85	14.80	3.58	13.90	3.31	12.90	3.06
	0	-1	16.80	4.40	15.80	4.10	14.80	3.81	13.90	3.53	12.90	3.26
	-3	-4	16.80	4.73	15.80	4.40	14.80	4.09	13.90	3.78	12.90	3.48
	-5	-6	16.30	4.99	15.80	4.85	14.80	4.50	13.90	4.16	12.90	3.82

10. Capacity Table

Heating

TC : Total Capacity, PI : Power Input

Combination, % (Capacityy index)	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
80	-7	-8	15.70	4.91	15.60	5.01	14.80	4.74	13.90	4.37	12.90	4.03
	-10	-11	14.40	4.95	14.40	5.06	14.40	5.17	13.90	5.00	12.90	4.59
	-12	-13	13.80	4.85	13.70	4.97	13.70	5.08	13.70	5.19	12.90	4.87
	-15	-16	13.10	4.73	13.10	4.86	13.00	4.98	13.00	5.10	12.90	5.19
	-17	-18	12.40	4.49	12.40	4.60	12.40	4.73	12.30	4.85	12.30	4.98
	-20	-21	11.30	4.28	11.30	4.41	11.30	4.54	11.20	4.68	11.20	4.81
70	15	14	14.60	2.80	13.80	2.62	13.00	2.46	12.20	2.29	11.30	2.13
	13	12	14.60	2.89	13.80	2.71	13.00	2.53	12.20	2.36	11.30	2.19
	11	10	14.60	2.99	13.80	2.80	13.00	2.61	12.20	2.44	11.30	2.27
	9	8	14.60	3.09	13.80	2.90	13.00	2.71	12.20	2.52	11.30	2.34
	7	6	14.60	3.23	13.80	3.03	13.00	2.83	12.20	2.63	11.30	2.45
	5	4	14.60	3.39	13.80	3.17	13.00	2.97	12.20	2.75	11.30	2.56
	3	2	14.60	3.53	13.80	3.30	13.00	3.08	12.20	2.86	11.30	2.65
	0	-1	14.60	3.75	13.80	3.51	13.00	3.27	12.20	3.03	11.30	2.81
	-3	-4	14.60	4.03	13.80	3.76	13.00	3.50	12.20	3.25	11.30	3.00
	-5	-6	14.60	4.43	13.80	4.14	13.00	3.84	12.20	3.56	11.30	3.29
	-7	-8	14.60	4.67	13.80	4.35	13.00	4.05	12.20	3.75	11.30	3.45
	-10	-11	14.40	5.19	13.80	4.97	13.00	4.61	12.20	4.27	11.30	3.93
	-12	-13	13.70	5.10	13.70	5.20	13.00	4.90	12.20	4.52	11.30	4.15
	-15	-16	13.00	5.00	13.00	5.10	13.00	5.21	12.20	4.82	11.30	4.42
	-17	-18	12.40	4.75	12.30	4.86	12.30	4.97	12.20	5.00	11.30	4.59
	-20	-21	11.30	4.57	11.20	4.69	11.20	4.80	11.20	4.92	11.20	5.04
60	15	14	12.60	2.38	11.90	2.23	11.10	2.09	10.40	1.96	9.70	1.83
	13	12	12.60	2.45	11.90	2.30	11.10	2.16	10.40	2.02	9.70	1.88
	11	10	12.60	2.52	11.90	2.38	11.10	2.23	10.40	2.08	9.70	1.94
	9	8	12.60	2.61	11.90	2.45	11.10	2.30	10.40	2.15	9.70	2.00
	7	6	12.60	2.73	11.90	2.57	11.10	2.40	10.40	2.24	9.70	2.09
	5	4	12.60	2.86	11.90	2.68	11.10	2.51	10.40	2.34	9.70	2.17
	3	2	12.60	2.97	11.90	2.78	11.10	2.60	10.40	2.42	9.70	2.26
	0	-1	12.60	3.15	11.90	2.95	11.10	2.76	10.40	2.57	9.70	2.39
	-3	-4	12.60	3.37	11.90	3.15	11.10	2.94	10.40	2.73	9.70	2.54
	-5	-6	12.60	3.70	11.90	3.46	11.10	3.22	10.40	3.00	9.70	2.78
	-7	-8	12.60	3.89	11.90	3.64	11.10	3.39	10.40	3.15	9.70	2.91
	-10	-11	12.60	4.43	11.90	4.13	11.10	3.85	10.40	3.57	9.70	3.30
	-12	-13	12.60	4.70	11.90	4.39	11.10	4.08	10.40	3.78	9.70	3.49
	-15	-16	12.60	5.01	11.90	4.66	11.10	4.34	10.40	4.01	9.70	3.69
	-17	-18	12.30	5.03	11.90	4.85	11.10	4.51	10.40	4.16	9.70	3.83
	-20	-21	11.20	4.87	11.20	4.97	11.10	5.02	10.40	4.62	9.70	4.26
50	15	14	10.50	1.97	9.90	1.86	9.30	1.75	8.70	1.64	8.10	1.54
	13	12	10.50	2.03	9.90	1.92	9.30	1.80	8.70	1.69	8.10	1.58
	11	10	10.50	2.09	9.90	1.97	9.30	1.85	8.70	1.74	8.10	1.62
	9	8	10.50	2.16	9.90	2.04	9.30	1.91	8.70	1.79	8.10	1.68
	7	6	10.50	2.25	9.90	2.12	9.30	1.99	8.70	1.86	8.10	1.74
	5	4	10.50	2.35	9.90	2.22	9.30	2.08	8.70	1.95	8.10	1.82
	3	2	10.50	2.43	9.90	2.29	9.30	2.15	8.70	2.01	8.10	1.88
	0	-1	10.50	2.58	9.90	2.42	9.30	2.27	8.70	2.13	8.10	1.98
	-3	-4	10.50	2.75	9.90	2.58	9.30	2.42	8.70	2.26	8.10	2.10
	-5	-6	10.50	3.02	9.90	2.83	9.30	2.65	8.70	2.47	8.10	2.30
	-7	-8	10.50	3.17	9.90	2.97	9.30	2.77	8.70	2.59	8.10	2.40
	-10	-11	10.50	3.59	9.90	3.36	9.30	3.14	8.70	2.92	8.10	2.70
	-12	-13	10.50	3.80	9.90	3.55	9.30	3.32	8.70	3.08	8.10	2.86
	-15	-16	10.50	4.03	9.90	3.78	9.30	3.51	8.70	3.27	8.10	3.02
	-17	-18	10.50	4.19	9.90	3.91	9.30	3.64	8.70	3.37	8.10	3.12
	-20	-21	10.50	4.65	9.90	4.35	9.30	4.04	8.70	3.74	8.10	3.44

NOTE

- Capacity table may be subject to change without prior notice.
- Capacity table comply with EN14511.
- Cooling capacities are based on;
  - Indoor temperature : 27°C DB, 19°C WB
  - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m
- Heating capacities are based on;
  - Indoor temperature : 20°C DB, 15°C WB
  - Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m

11. Capacity correction

AM040TXMDEH/TK

Cooling



Level Difference (m)	Pipe Length (m)																	
	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
50	-	-	-	-	0.93	0.91	0.89	0.88	0.92	0.90	0.88	0.86	0.84	0.82	0.80	0.78	0.76	0.76
40	-	-	-	0.95	0.93	0.91	0.89	0.88	0.92	0.90	0.88	0.86	0.84	0.82	0.80	0.78	0.76	0.76
30	-	-	0.96	0.95	0.93	0.91	0.89	0.88	0.92	0.90	0.88	0.86	0.84	0.82	0.80	0.78	0.76	0.76
20	-	0.98	0.96	0.95	0.93	0.91	0.89	0.88	0.92	0.90	0.88	0.86	0.84	0.82	0.80	0.78	0.76	0.76
10	1.00	0.98	0.96	0.95	0.93	0.91	0.89	0.88	0.92	0.90	0.88	0.86	0.84	0.82	0.80	0.78	0.76	0.76
0	1.00	0.98	0.96	0.95	0.93	0.91	0.89	0.88	0.92	0.90	0.88	0.86	0.84	0.82	0.80	0.78	0.76	0.76
-10	1.00	0.98	0.96	0.94	0.93	0.91	0.89	0.88	0.92	0.90	0.88	0.86	0.84	0.82	0.80	0.78	0.76	0.76
-20	-	0.98	0.96	0.94	0.92	0.91	0.89	0.87	0.92	0.90	0.88	0.86	0.84	0.82	0.80	0.78	0.76	0.76
-30	-	-	0.96	0.94	0.92	0.90	0.88	0.87	0.92	0.90	0.88	0.86	0.84	0.82	0.80	0.78	0.76	0.76
-40	-	-	-	0.94	0.92	0.90	0.88	0.87	0.91	0.89	0.87	0.85	0.83	0.81	0.79	0.77	0.75	0.75

Heating



Level Difference (m)	Pipe Length (m)																	
	7.5	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
50	-	-	-	-	-	0.98	0.97	0.97	0.96	0.96	0.96	0.96	0.95	0.95	0.94	0.94	0.94	0.93	0.93
40	-	-	-	-	0.98	0.98	0.97	0.97	0.96	0.96	0.96	0.96	0.95	0.95	0.94	0.94	0.94	0.93	0.93
30	-	-	-	0.99	0.98	0.98	0.97	0.97	0.96	0.96	0.96	0.96	0.95	0.95	0.94	0.94	0.94	0.93	0.93
20	-	-	0.99	0.99	0.98	0.98	0.97	0.97	0.96	0.96	0.96	0.96	0.95	0.95	0.94	0.94	0.94	0.93	0.93
10	-	1.00	0.99	0.99	0.98	0.98	0.97	0.97	0.96	0.96	0.96	0.96	0.95	0.95	0.94	0.94	0.94	0.93	0.93
0	1.00	1.00	0.99	0.99	0.98	0.98	0.97	0.97	0.96	0.96	0.96	0.96	0.95	0.95	0.94	0.94	0.94	0.93	0.93
-10	-	1.00	0.99	0.99	0.98	0.98	0.97	0.97	0.96	0.96	0.96	0.96	0.95	0.95	0.94	0.94	0.94	0.93	0.93
-20	-	-	0.99	0.99	0.98	0.98	0.97	0.97	0.96	0.96	0.96	0.96	0.95	0.95	0.94	0.94	0.94	0.93	0.93
-30	-	-	-	0.99	0.98	0.98	0.97	0.97	0.96	0.96	0.96	0.96	0.95	0.95	0.94	0.94	0.94	0.93	0.93
-40	-	-	-	-	0.98	0.98	0.97	0.97	0.96	0.96	0.96	0.96	0.95	0.95	0.94	0.94	0.94	0.93	0.93

AM050TXMDEH/TK

Cooling



Level Difference (m)	Pipe Length (m)																	
	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
50	-	-	-	-	0.93	0.91	0.89	0.88	0.92	0.90	0.88	0.86	0.84	0.82	0.80	0.78	0.76	0.76
40	-	-	-	0.95	0.93	0.91	0.89	0.88	0.92	0.90	0.88	0.86	0.84	0.82	0.80	0.78	0.76	0.76
30	-	-	0.96	0.95	0.93	0.91	0.89	0.88	0.92	0.90	0.88	0.86	0.84	0.82	0.80	0.78	0.76	0.76
20	-	0.98	0.96	0.95	0.93	0.91	0.89	0.88	0.92	0.90	0.88	0.86	0.84	0.82	0.80	0.78	0.76	0.76
10	1.00	0.98	0.96	0.95	0.93	0.91	0.89	0.88	0.92	0.90	0.88	0.86	0.84	0.82	0.80	0.78	0.76	0.76
0	1.00	0.98	0.96	0.95	0.93	0.91	0.89	0.88	0.92	0.90	0.88	0.86	0.84	0.82	0.80	0.78	0.76	0.76
-10	1.00	0.98	0.96	0.94	0.93	0.91	0.89	0.88	0.92	0.90	0.88	0.86	0.84	0.82	0.80	0.78	0.76	0.76
-20	-	0.98	0.96	0.94	0.92	0.91	0.89	0.87	0.92	0.90	0.88	0.86	0.84	0.82	0.80	0.78	0.76	0.76
-30	-	-	0.96	0.94	0.92	0.90	0.88	0.87	0.92	0.90	0.88	0.86	0.84	0.82	0.80	0.78	0.76	0.76
-40	-	-	-	0.94	0.92	0.90	0.88	0.87	0.91	0.89	0.87	0.85	0.83	0.81	0.79	0.77	0.75	0.75

Heating



Level Difference (m)	Pipe Length (m)																	
	7.5	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
50	-	-	-	-	-	0.98	0.97	0.97	0.96	0.96	0.96	0.96	0.95	0.95	0.94	0.94	0.94	0.93	0.93
40	-	-	-	-	0.98	0.98	0.97	0.97	0.96	0.96	0.96	0.96	0.95	0.95	0.94	0.94	0.94	0.93	0.93
30	-	-	-	0.99	0.98	0.98	0.97	0.97	0.96	0.96	0.96	0.96	0.95	0.95	0.94	0.94	0.94	0.93	0.93
20	-	-	0.99	0.99	0.98	0.98	0.97	0.97	0.96	0.96	0.96	0.96	0.95	0.95	0.94	0.94	0.94	0.93	0.93
10	-	1.00	0.99	0.99	0.98	0.98	0.97	0.97	0.96	0.96	0.96	0.96	0.95	0.95	0.94	0.94	0.94	0.93	0.93
0	1.00	1.00	0.99	0.99	0.98	0.98	0.97	0.97	0.96	0.96	0.96	0.96	0.95	0.95	0.94	0.94	0.94	0.93	0.93
-10	-	1.00	0.99	0.99	0.98	0.98	0.97	0.97	0.96	0.96	0.96	0.96	0.95	0.95	0.94	0.94	0.94	0.93	0.93
-20	-	-	0.99	0.99	0.98	0.98	0.97	0.97	0.96	0.96	0.96	0.96	0.95	0.95	0.94	0.94	0.94	0.93	0.93
-30	-	-	-	0.99	0.98	0.98	0.97	0.97	0.96	0.96	0.96	0.96	0.95	0.95	0.94	0.94	0.94	0.93	0.93
-40	-	-	-	-	0.98	0.98	0.97	0.97	0.96	0.96	0.96	0.96	0.95	0.95	0.94	0.94	0.94	0.93	0.93

11. Capacity correction

AM060TXMDEH/TK

Cooling



Level Difference (m)	Pipe Length (m)																	
	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
50	-	-	-	-	0.93	0.91	0.89	0.88	0.92	0.90	0.88	0.86	0.84	0.82	0.80	0.78	0.76	0.76
40	-	-	-	0.95	0.93	0.91	0.89	0.88	0.92	0.90	0.88	0.86	0.84	0.82	0.80	0.78	0.76	0.76
30	-	-	0.96	0.95	0.93	0.91	0.89	0.88	0.92	0.90	0.88	0.86	0.84	0.82	0.80	0.78	0.76	0.76
20	-	0.98	0.96	0.95	0.93	0.91	0.89	0.88	0.92	0.90	0.88	0.86	0.84	0.82	0.80	0.78	0.76	0.76
10	1.00	0.98	0.96	0.95	0.93	0.91	0.89	0.88	0.92	0.90	0.88	0.86	0.84	0.82	0.80	0.78	0.76	0.76
0	1.00	0.98	0.96	0.95	0.93	0.91	0.89	0.88	0.92	0.90	0.88	0.86	0.84	0.82	0.80	0.78	0.76	0.76
-10	1.00	0.98	0.96	0.94	0.93	0.91	0.89	0.88	0.92	0.90	0.88	0.86	0.84	0.82	0.80	0.78	0.76	0.76
-20	-	0.98	0.96	0.94	0.92	0.91	0.89	0.87	0.92	0.90	0.88	0.86	0.84	0.82	0.80	0.78	0.76	0.76
-30	-	-	0.96	0.94	0.92	0.90	0.88	0.87	0.92	0.90	0.88	0.86	0.84	0.82	0.80	0.78	0.76	0.76
-40	-	-	-	0.94	0.92	0.90	0.88	0.87	0.91	0.89	0.87	0.85	0.83	0.81	0.79	0.77	0.75	0.75

Heating



Level Difference (m)	Pipe Length (m)																		
	7.5	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
50	-	-	-	-	-	0.98	0.97	0.97	0.96	0.96	0.96	0.96	0.95	0.95	0.94	0.94	0.94	0.93	0.93
40	-	-	-	-	0.98	0.98	0.97	0.97	0.96	0.96	0.96	0.96	0.95	0.95	0.94	0.94	0.94	0.93	0.93
30	-	-	-	0.99	0.98	0.98	0.97	0.97	0.96	0.96	0.96	0.96	0.95	0.95	0.94	0.94	0.94	0.93	0.93
20	-	-	0.99	0.99	0.98	0.98	0.97	0.97	0.96	0.96	0.96	0.96	0.95	0.95	0.94	0.94	0.94	0.93	0.93
10	-	1.00	0.99	0.99	0.98	0.98	0.97	0.97	0.96	0.96	0.96	0.96	0.95	0.95	0.94	0.94	0.94	0.93	0.93
0	1.00	1.00	0.99	0.99	0.98	0.98	0.97	0.97	0.96	0.96	0.96	0.96	0.95	0.95	0.94	0.94	0.94	0.93	0.93
-10	-	1.00	0.99	0.99	0.98	0.98	0.97	0.97	0.96	0.96	0.96	0.96	0.95	0.95	0.94	0.94	0.94	0.93	0.93
-20	-	-	0.99	0.99	0.98	0.98	0.97	0.97	0.96	0.96	0.96	0.96	0.95	0.95	0.94	0.94	0.94	0.93	0.93
-30	-	-	-	0.99	0.98	0.98	0.97	0.97	0.96	0.96	0.96	0.96	0.95	0.95	0.94	0.94	0.94	0.93	0.93
-40	-	-	-	-	0.98	0.98	0.97	0.97	0.96	0.96	0.96	0.96	0.95	0.95	0.94	0.94	0.94	0.93	0.93

11. Capacity correction

Silent function correction factor

Cooling

Silent Function	Outdoor Air Temperatute (°C DB)							
	0		20		35		45	
	Capacity	Power Input	Capacity	Power Input	Capacity	Power Input	Capacity	Power Input
Level 1	1.00	1.00	1.00	1.00	1.00	1.40	0.77	1.23
Level 2	1.00	1.00	1.00	0.90	0.89	1.06	0.75	1.19
Level 3	1.00	1.00	1.00	0.74	0.77	0.84	0.70	1.05

Heating

Silent Function	Outdoor Air Temperatute (°C DB)							
	-15		2		7		15	
	Capacity	Power Input	Capacity	Power Input	Capacity	Power Input	Capacity	Power Input
Level 1	0.53	0.58	0.54	0.84	0.77	0.97	0.73	0.90
Level 2	0.43	0.45	0.44	0.59	0.71	0.61	0.64	0.63
Level 3	0.26	0.27	0.35	0.45	0.58	0.45	0.50	0.46

12. Installation

Deciding to where to install the outdoor unit

Decide the installation location based on the following condition and obtain the user's approval.

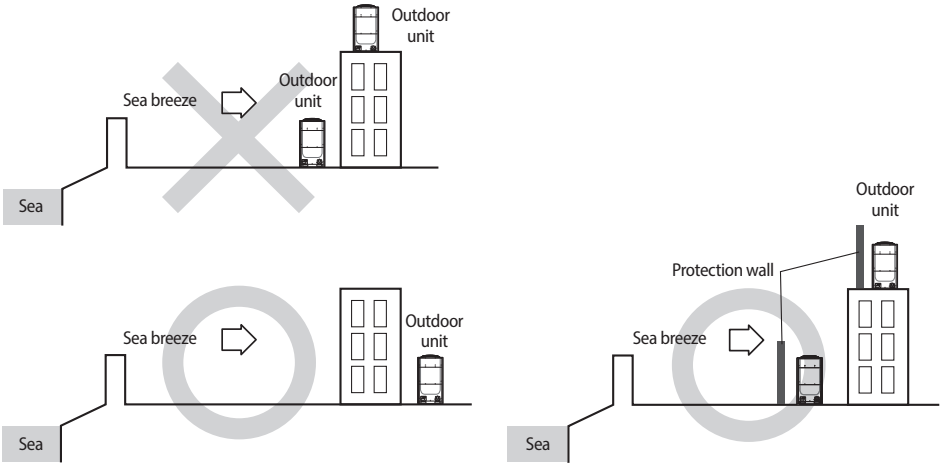
- ▶ Avoid a place that may disturb your neighbor. Noise may occur from the outdoor unit and the discharged air may run into the neighborhood. (Be careful of the operation time in a residential area)
- ▶ Install the outdoor unit on a hard and even area that can support its weight.
- ▶ Choose a flat place where rainwater does not settle or leak.
- ▶ Choose a place that will avoid strong winds.
- ▶ Choose a place that is well ventilated and allows enough space for repairs and service. (Discharge duct can be purchased privately.)
- ▶ Choose a place where the connection of refrigerant pipe between an indoor unit and outdoor unit is within allowed distance.
- ▶ Make sure that the condensed water dripping from the drain hose runs out properly and safely.
- ▶ Choose a place where flammable gas does not leak.
- ▶ Choose a place where the unit could not come into contact with snow and rain.
- ▶ When installing the outdoor unit near sea shore, make sure it is not directly exposed to sea breeze.
  - When installing the outdoor unit near sea shore, consult the qualified installer since the places above require additional measures for corrosion resistance. (You should remove salt and dust of a heat exchanger at least once a year.)

Installation Guide at the seashore

Make sure to follow below guides when installing at the seashore.

1. Do not install the product in a place where it is directly exposed to sea water and sea breeze.
   - Make sure to install the product behind a structure (such as building) that can block see breeze.
   - Even when it is inevitable to install the product in seashore, make sure that product is not directly exposed to sea breeze by installing a protection wall.
2. Consider that the salinity particles clinging to the external panels should be sufficiently washed out.
3. Because the residual water at the bottom of the outdoor unit significantly promotes corrosion, make sure that the slope does not disturb drainage.
   - Keep the floor level so that rain does not accumulate.
   - Be careful not to block the drain hole due to foreign substance
4. When product is installed in seashore, periodically clean it with water to remove attached salinity.
5. Make sure to install the product in a place that provides smooth water drainage. Especially, ensure that the base part has good drainage.
6. If the product is damaged during the installation or maintenance, make sure to repair it.
7. Check the condition of the product periodically.
   - Check the installation site every 3 months and perform anti-corrosion treatment such as R-Pro supplied by SAMSUNG (Code : MOK-220SA) or commercial water repellent grease and wax, etc., based on the product condition.
   - When the product is to be shut down for a long period of time, such as off-peak hours, take appropriate measures like covering the product.
8. If the product installed within 500m of seashore, special anti-corrosion treatment is required.

   ✻ Please contact your local SAMSUNG representative for further details.



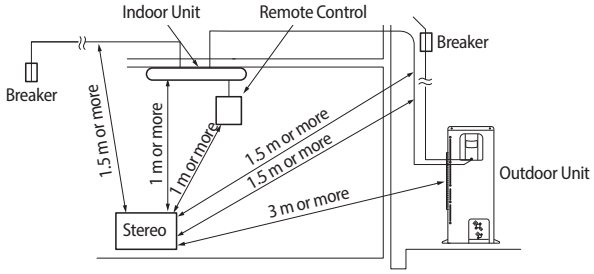
Protection wall should be constructed with a solid material that can block the sea breeze and the height and width of the wall should be 1.5 times larger than the size of the outdoor unit. (You must secure more than 700mm of space between the protection wall and the outdoor unit for air circulation.)

12. Installation

Deciding to where to install the outdoor unit

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 3 m 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)

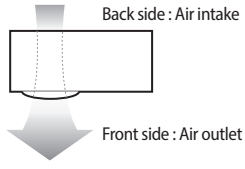
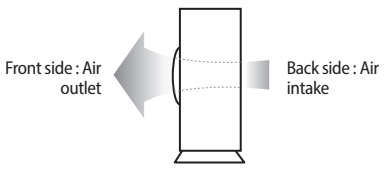


- ▶ Make sure that the water dripping from the drain hose runs away correctly and safely.
- ▶ You should repaint or protect the damaged part so that the paint of the cabinet does not peel off and become rusty during installation. When the cabinet becomes rusty, the life of an outdoor will be reduced.

Installation location

- ▶ 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

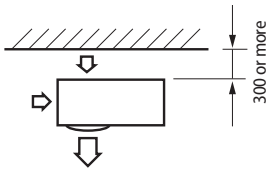
Top view	Side view
	

- , Air flow direction.

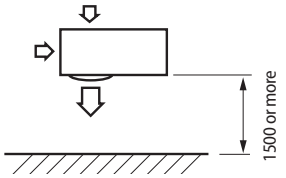
12. Installation

When installing 1 outdoor unit

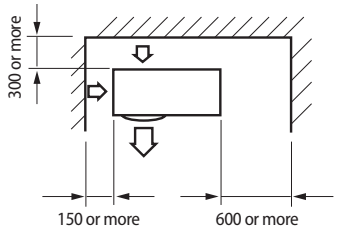
✻ When the air outlet is opposite the wall



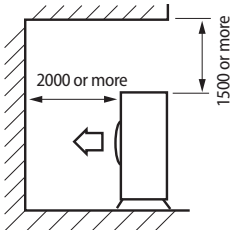
✻ When the air outlet is toward the wall (Unit : mm)



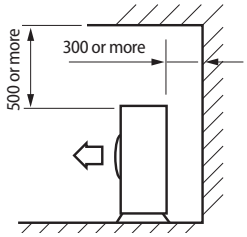
✻ When 3 sides of the outdoor unit are blocked by the wall



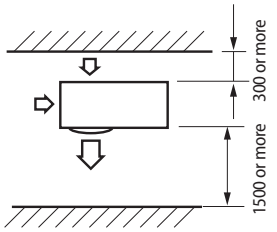
✻ The upper part of the outdoor unit is blocked and the air outlet is toward the wall



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

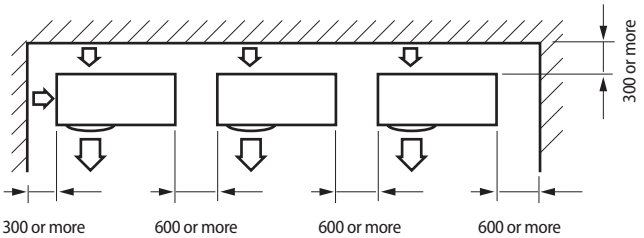


✻ When the walls are blocking front and the rear of the outdoor unit

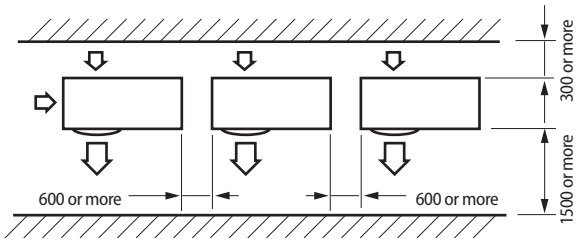


When installing more than 1 outdoor unit

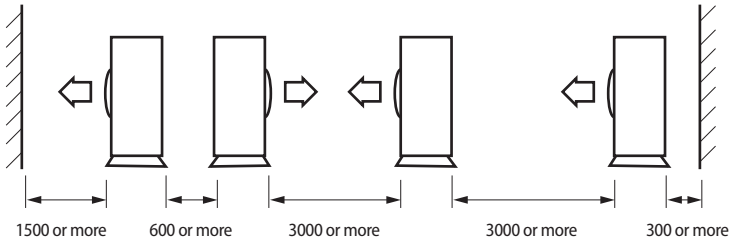
✻ When 3 sides of the outdoor unit are blocked by the wall (Unit : mm)



✻ 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

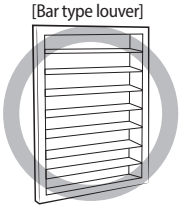


12. Installation

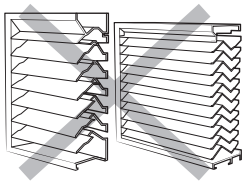
WARNING

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

[Bar type louver]



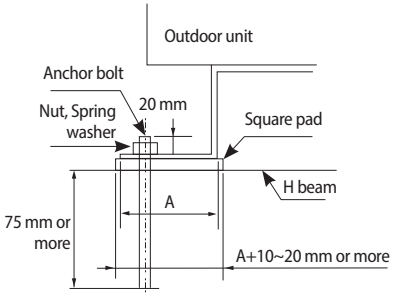
[Rain resistance louver]



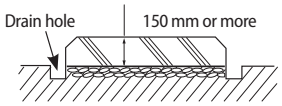
- Louver specifications.
  - Angle criteria : less than 20˚
  - Opening ratio criteria : greater than 80%

Installation and base ground work for an outdoor unit

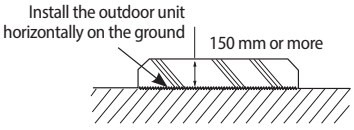
- ▶ Install the outdoor unit 150 mm higher than the base ground and install the drain hole to connect the pipe to the drainage.
- ▶ When the front fan of an outdoor unit is installed in a place where the average snowfall is more than 150 mm, the discharge duct should be attached to the outdoor unit.
- ▶ 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(150 mm x 150 mm 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=20 mm 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



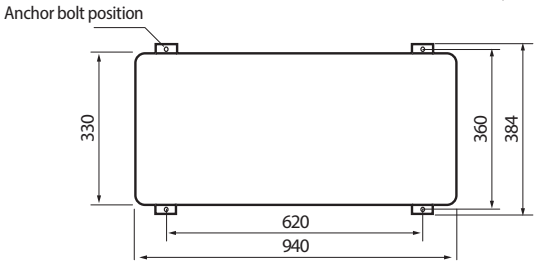
< When installing on the ground >



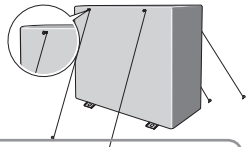
< When installing on the roof >

▶ 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.



CAUTION

- If the outdoor unit is not fixed securely, product may fall and it might cause loss of life or property damage.
- Do not install the outdoor unit on a wood palette.
- Fix the outdoor unit securely to the base ground with anchor bolts.
- The manufacturer is not responsible for the damage occurred by not adhering to the standard of the installation.
- To protect the outdoor unit from external condition such as rain, install it on the base ground and connect the drain pipe to the drainage.

12. Installation

Refrigerant pipe installation

Refrigerant pipe work

- The length of refrigerant pipe should be as short as possible and the height difference between an indoor unit and outdoor unit should be minimized.
- The piping length between the outdoor unit and the indoor unit may not exceed the allowable piping length, height difference, and the allowable length after branching is done.
- The pressure of the R-410A is high. Use only certified refrigerant pipe and follow the installation method.
- After pipe installation, charge the refrigerant according to the length of the pipe and R-410A refrigerant should be used.
- Use clean refrigerant pipe and there shouldn't be any harmful ion, oxide, dust, iron content or moisture inside pipe.
- Use tools and accessories that fit on R-410A only.

WARNING

- When installing, make sure there is no leakage. When collecting the refrigerant, stop the compressor first before removing the connection pipe. If the refrigerant pipe is not properly connected and the compressor works with the service valve open, the pipe inhales the air and it makes the pressure inside of the refrigerant cycle abnormally high. It may cause explosion and injury.

Tool	Work	If compatible with conventional tool	
Pipe cutter	Refrigerant pipe work	Pipe cutting	Compatible
Flaring tool		Pipe flaring	
Refrigerant oil		Apply refrigerant oil on flared part	Exclusive ether oil, ester oil, alkali benzene oil or synthetic oil
Torque wrench		Connect flare nut with pipe	Compatible
Pipe bender		Pipe bending	
Nitrogen gas	Air tightening test	Inhibition of oxidization	
Brazing tool		Pipe brazing	
Manifold gauge	Air tightening test ~ additional refrigerant charging	Vacuuming, charging and checking operation	Need exclusive one to prevent mixture of R-22 refrigerant oil use and also the measurement is not available due to the high pressure.
Refrigerant charging hose			Need exclusive one due to the refrigerant leakage or inflow of impurities.
Vacuum pump	Vacuum drying	Compatible (Use products which contain the check valve to prevent the oil from flowing backward into the outdoor unit.) Use the one that can be vacuumed up to 100.7 kpa(5Torr.-755 mmHg).	
Scale for refrigerant charging		Compatible	
Gas leak detector		Gas leak test	Need exclusive one (The one for R-134a can be used)
Flare nut	You must use the flare nut equipped with product. Refrigerant leakage may occur when the conventional flare nut for R-22 is used.		

Selecting refrigerant pipe

Temper grade and minimum thickness of the refrigerant pipe

Outer diameter [mm]	Minimum thickness [mm]	Temper grade
ø6.35	0.7	Annealed
ø9.52	0.7	
ø12.70	0.8	
ø15.88	1.0	
ø19.05	0.9	Drawn
ø22.23	0.9	

CAUTION

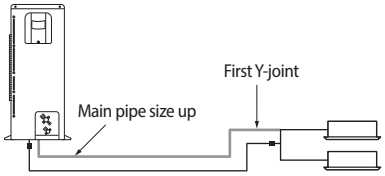
- For pipes larger than Ø 19.05, drawn type (C1220T-1/2H or C1220T-H) type copper pipe must be used. If a annealed type (C1220T-O) copper pipe is used, pipe may break due to its low pressure resistance and cause personal injury.

12. Installation

Pipe installation between an outdoor unit and the first Y-joint

Outdoor unit capacity [HP]	Liquid pipe [mm]	Gas pipe [mm]	One step upgraded pipe [mm]
4	ø9.52	ø15.88	ø19.05
5	ø9.52	ø15.88	ø19.05
6	ø9.52	ø19.05	ø22.23

- Install the refrigerant pipe according to main pipe size of each outdoor unit capacity.
- When the pipe length between an outdoor unit and the farthest indoor unit including elbow exceeds 90 m, the gas pipe size should be upgraded one step among the main pipes from the outdoor unit to the first Y-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).



Pipe installation between Y-joints

Indoor unit total capacity(kW)	Pipe diameter (O•D•mm)	
	Liquid pipe (mm)	Gas pipe (mm)
X ≤ 15.0	ø9.52	ø15.88
15.0 < X ≤ 23.2		ø19.05

Selecting Y-joint

- Select the first Y-joint according to main pipe size of each outdoor unit capacity.
- Select the other Y-joints according to the total indoor unit capacity under the selected Y-joint.

Selecting the first Y-joint	
Outdoor unit capacity (HP)	Y-joint model
4	MXJ-YA1509✳
5	MXJ-YA1509✳
6	MXJ-YA2512✳

Other Y-joints	
Total indoor unit capacity under the selected Y-joint (kW)	Y-joint model
X ≤ 15.0	MXJ-YA1509✳
15.0 < X ≤ 40.6	MXJ-YA2512✳

Keeping refrigerant pipe

To prevent foreign materials or water from entering the pipe, it is important to keep the refrigerant pipe clean and dry and to seal it during installation.

Apply correct sealing method depending on the environment.

Exposure place	Exposure time	Sealing type
Outside exposure	Longer than one month	Pipe pinch
	Shorter than one month	Taping
Inside exposure	-	Taping

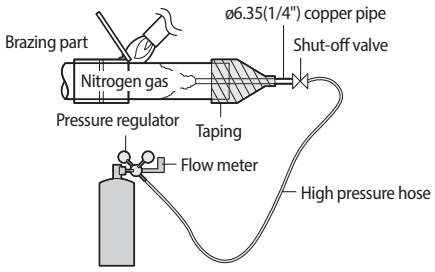
Refrigerant pipe brazing and safety information

Important information for refrigerant pipe work

- Make sure that there is no moisture inside the pipe.
- Make sure that there are no foreign materials and impurities in the pipe.
- Make sure that there is no leak.
- Make sure to follow the instruction when brazing and keeping the pipe.

Nitrogen flushing brazing

- Use Nitrogen gas when brazing the pipes as shown in the picture.
- If you do not perform nitrogen flushing when brazing the pipes, oxide may form inside the pipe. It can cause the damage of the important parts such as compressor, valves.
- Adjust the flow rate of the Nitrogen flushing with a pressure regulator to maintain 0.05 m³/h or less.



12. Installation

Refrigerant pipe installation

Pipe installation for an outdoor unit

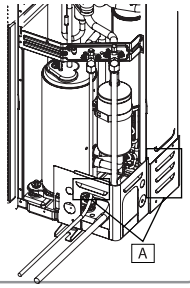
Pipe direction

The refrigerant pipe can be pulled out from front, flank, rear, and bottom side, so install it depending on the installation site condition.

CAUTION

Caution for using knock-out hole

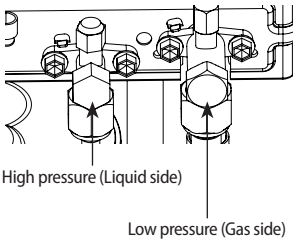
- Make sure not to damage the exterior of the outdoor unit.
- Remove all burrs at the edge of the knock-out hole and apply the paints it to prevent rust.
- Use a cable tube and bushing to prevent a cable from being damaged when passing through a knock-out hole.
- After installing pipes, block the unused knock hole to prevent small animal from entering. However, the radiant heat hole (A) should be able to intake air.



CAUTION

Caution for connecting the pipe

- When brazing the pipe, the unit may get damaged by a brazing fire and a flame. Use a flame proofing cloth to protect the unit from a brazing fire or flame.
- The O-ring and Teflon packing inside service valve may get damaged by a brazing fire. Wrap the bottom side of the service valve with a wet cloth and braze it as shown above. Make sure not to interrupt the brazing with the drips from the wet cloth.
- The connecting pipes of liquid side and gas side should not contact each other nor should they contact to the product. Vibration may cause damage to the pipes.

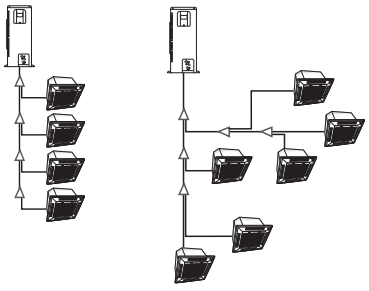


Outdoor unit refrigerant pipe connection

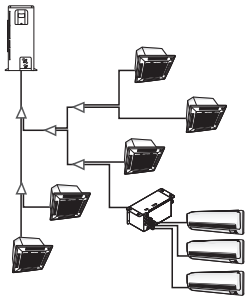
Classification	Front, flank, rear side of pipe connection	Bottom side of pipe connection
Working process	• First, remove the pipe cover from unit. • Separate the knock-out hole to use. If the hole is open, small animals such as squirrels and rats may get into the unit through the hole and the unit may be damaged.	• Separate the knock-out hole at the bottom side of the unit and install the pipe. • After installing and insulating the pipe, close up the remaining gap. If the gap remains open, small animals such as rats and squirrels may get inside the unit and cause damage to the unit.

Refrigerant pipe installation examples

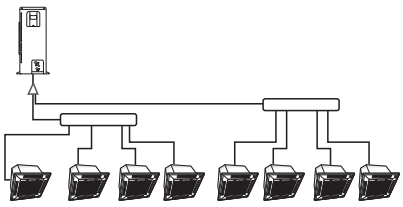
Using a Y-joint



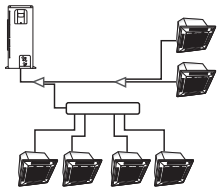
Using a Y-joint/EEV kit



Using a header joint



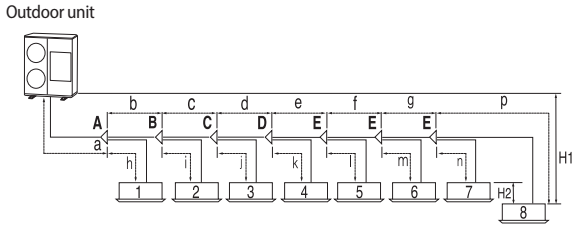
Using a header joint/ Y-joint



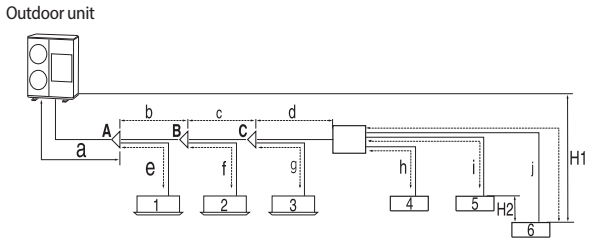
12. Installation

Allowable length of the refrigerant pipe and the installation examples

Connection by Y-joint



Connection by Y-joint/EEV kit



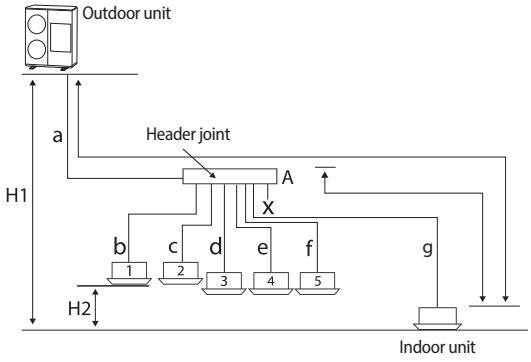
Classification			Y-joint connection	Y-joint / EEV kit connection
Maximum allowable length of pipe	Outdoor unit ~ Indoor units	Actual Length	The distance between the outdoor unit and the farthest indoor unit ≤ 150 m	
			Ex) 8 indoor units a+b+c+d+e+f+g+p≤ 150 m	Ex) 6 indoor units a+b+c+d+j ≤ 150 m
		Equivalent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

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

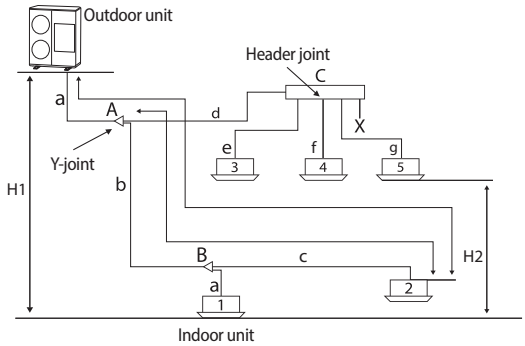
✻ When the equivalent length between an outdoor unit and the farthest indoor unit exceeds 90 m, upgrade the low pressure pipe of the main pipe one step.

12. Installation

Connection by header joint



Connection by Y-joint/header joint



Classification			Header joint connection	Y-joint / header joint connection
Maximum allowable length of pipe	Outdoor unit ~ Indoor units	Actual Length	The distance between an outdoor unit and the farthest indoor unit ≤ 150 m	
			Ex) 8 indoor units a+g≤ 150 m	Ex) 8 indoor units a+b+c ≤ 150 m
		Equivalent length	The distance between an outdoor unit and the farthest indoor unit ≤ 175 m	
		Main pipe length	The main pipe(a) from the outdoor unit to the first Y-joint should be less than 110 m.	
		Total length	The sum of total length of pipes should be less then 300 m.	
Maximum allowable height	Outdoor unit ~ Indoor units	Height	H1: The difference in height between an outdoor unit and indoor unit < 50 m	
		Height	H2: The difference in height between indoor units ≤ 15 m	
Maximum allowable length after Y-joint		Actual Length	The distance between the header joint and the indoor unit ≤ 40 m Ex) b, c ~ f, g ≤ 40 m	The distance between the first Y-joint and the farthest indoor unit ≤ 40 m Ex) 8 indoor units b+c, d+g ≤ 40 m

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

Selecting additional refrigerant charging

▶ Basic refrigerant

The basic amount of additional refrigerant charged at a factory

Model	Refrigerant	Factory charge(kg)
AM040TXMDEH	R-410A	3.2
AM050TXMDEH		3.2
AM060TXMDEH		3.3

▶ Charging additional refrigerant

The amount of additional refrigerant charging	=	The amount of refrigerant charging for pipe + the amount of refrigerant correction charging for an indoor unit.

12. Installation

1. The amount of additional refrigerant depending on the pipe size.
   - Amount of additional refrigerant has to be calculated based on the sum of all liquid pipe length.

Size of liquid pipe (mm)	6,35	9,52	12,7	15,88
Additional amount (kg/m)	0,02	0,06	0,125	0,18

Additional refrigerant charging calculation = The sum of total length of Ø 9.52 liquid pipe(m) x 60 g + the sum of total length of Ø 6.35 liquid pipe(m) x 20 g

Ex) a(Ø 9.52)=40 m, b+c+d(Ø 9.52)=15 m, e+f+g(Ø 6.35)=15 m

The amount of additional refrigerant = 55 m x 60g + 15 m x 20 g = 3600 g

2. The amount of additional refrigerant for each indoor unit.

(Unit : kg)

Product		Capacity (kW)																
		1.5	1.7	2.2	2.8	3.2	3.6	4.5	5.6	6	7.1	8.2	9	9.3	11.2	12.8	14	16
1Way CST (Fluid/Wind Free)	(AM***FN1DE**) (AM***NN1DE**)			0.25	0.25		0.25		0.32		0.32							
1Way CST (Fluid/Wind Free)	(AM***NN1PE**)		0.15	0.15														
2Way CST	(AM***FN2DE**)								0.31		0.47							
4Way CST (AM***NN4DE**)	(AM***FN4DE** AM***NN4DEH**)							0.45	0.45		0.45		0.45		0.69	0.69	0.69	
360 CST	(AM***KN4DE**)							0.45	0.45		0.45		0.45		0.69	0.69	0.69	
4Way CST (600X600)	(AM***FNNDE**) (AM***NNNDE**)			0.29	0.29		0.29	0.37	0.37	0.37								
Duct S	(AM***HNMPK**)										0.22		0.31		0.38	0.38	0.38	
Slim Duct	(AM***FNLDE** AM***KNLDEH**)			0.17	0.17		0.26	0.35	0.35		0.45		0.42		0.42	0.62	0.62	
MSP Duct	(AM****NMDE**)			0.24	0.24		0.24	0.28	0.28		0.28		0.32		0.54	0.68	0.68	0.91
HSP Duct	(AM***FNHDE**)														0.68	0.68	0.68	
Home Duct	(AM***KNLDE**)		0.13	0.13	0.13		0.17											
	(AM***MNLDE**)							0.26	0.26		0.33							

Product		Capacity (kW)																
		1.5	1.7	2.2	2.8	3.2	3.6	4.5	5.6	6	7.1	8.2	9	9.3	11.2	12.8	14	16
Ceiling (AM***JNCDK**)	(AM***FNCDE**)								0.39		0.39							
Console	(AM****NJDE**)			0.16	0.27		0.27	0.27	0.27									
Concealed Floor Standing	(AM***FNFDE**)						0.22		0.32		0.32							
Neo Forte	(AM***FNTDE**)			0.24	0.24		0.24		0.36		0.36							
Neo Forte (with EEV)	(AM***FNQDE**)			0.34	0.34		0.34	0.51	0.51		0.51							
Boracay	(AM***KNTDE**)			0.24	0.32		0.32	0.49	0.49		0.49							
Boracay (with EEV)	(AM***KNQDE**)			0.24	0.32		0.32	0.49	0.49		0.49							
Max (with EEV)	(AM***MNQDE**)													0.49				
AR5000	(AM***JNADK**)	0.16		0.16	0.19		0.25	0.25	0.52		0.52	0.52						
AR5000 (with EEV)	(AM***JNVDK**)	0.22		0.22	0.25		0.34	0.34	0.71		0.71	0.71						

Ex) When the indoor unit AM022FN1DEH and AM056FN4DEH are combinated
Additional refrigerant charging = 250g + 450g = 700g

3. The total amount of additional refrigerant charging = the amount of refrigerant charging for pipe + the amount of refrigerant for each indoor unit.

Ex) The amount of additional refrigerant charging = 3600g + 700g = 4300g

12. Installation

Insulating refrigerant pipe or Y-joint

- You must check if there is a gas leak before completing all the installation process. After you check that the gas does not leak, you must insulate the pipe and hose.
- Use EPDM insulation which meets the following condition.

Item	Unit	Standard
Density	g/cm³	0.048~0.096
Dimension change route by heat	%	-5 or less
Water absorption rate	g/cm³	0.005 or less
Thermal conductivity	kcal/m·h·˚C	0.032 or less
Moisture transpiration factor	ng/(m²·s·Pa)	15 or less
Moisture transpiration grade	g/(m²·24h)	15 or less
Formaldehyde dispersion	mg/L	-
Oxygen rate	%	25 or more

Selecting the insulation of refrigerant pipe

- Insulate the gas pipe and liquid pipe by referring to the thickness of insulator for each pipe size.
- The standard condition is 30 ℃, with humidity less than 85 %. In the conditions of high humidity, use one grade thicker.

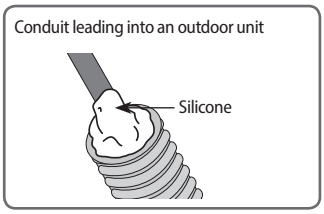
Pipe	Pipe size (mm)	Insulation(Cooling, Heating)		Remarks
		Standard [30 ℃, 85 %]	High humidity [30 ℃, 85 % or more]	
		EPDM, NBR		
Liquid pipe	Ø6.35~Ø9.52	9t	←	Heat resisting temperature is more than 120 ℃
	Ø12.70~Ø50.80	13t	←	
Gas pipe	Ø6.35	13t	19t	
	Ø9.52	19t	25t	
	Ø12.70			
	Ø15.88			
	Ø19.05			
	Ø22.23			

Wiring work

- Wiring work should be performed in accordance with related laws such as 'Technical specification on electric installation', 'Wiring regulations' or 'Installation manual'.
- Copper cable should be used for wiring work and all the wires or parts should be rated products.
- Wiring work should be performed by a company certified by an electric power company.
- Refer to the circuit diagram attached to the outdoor unit for detailed wiring work.
- Wiring work should be performed after disconnecting main circuit breaker and Y-joint switch.
- You must perform grounding work .
  (Grounding resistance value should be less than 100 Ω.)
  When ELCB is installed, protective grounding resistance value can be applied.
  (When the ELCB is 100 mA, 0.1sec, protective grounding resistance value should be less than 250 Ω at a place where electric danger is high and should be less than 500 Ω at other places.)
- Electric wiring circuit diagram displays outline only.
- Do not connect a heater to an outdoor unit and do not install a duct which you arbitrarily remodeled.
  - Failure to do so may result in reduced capacity of an air conditioner, electric shock, and fire.
- Do not connect the grounding wire to that of gas pipe, water pipe, lightning rod, or telephone.
  - Gas pipe: If the gas leaks, explosion or ignition may occur.
  - Water pipe: If rigid vinyl pipe is used, grounding effect will not work.
  - Grounding wire and lightning rod of telephone: The electric potential of grounding wire may rise abnormally in the falling of a thunderbolt.

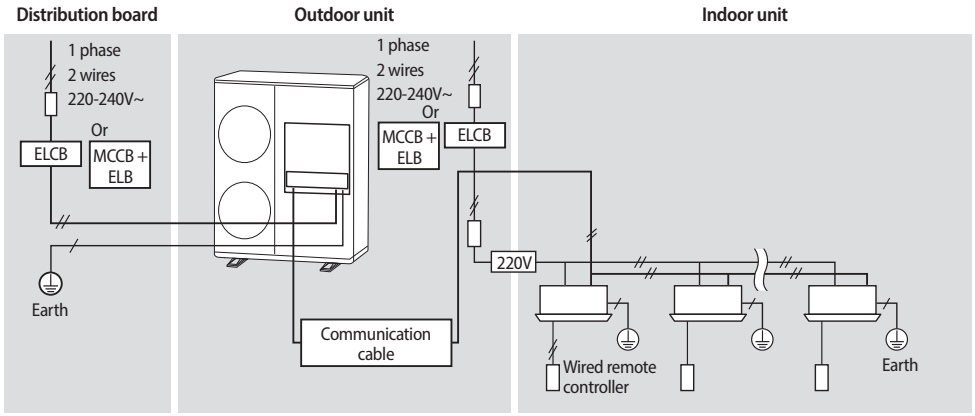
12. Installation

- The ELB for ground-fault protection only should be combined with MCCB or fuse equipped load breaker switch. In this case, you should use the one that has at least the same or more capcity as fuse capacity or the rated current of MCCB.
- Use the wires that comply with regulated specification and firmly connect to the terminal board. Then tighten it with the screws provided so that the terminal board cannot be moved by external force. (The connecting cable and the grounding terminal should be locally procured). When wiring, the connection cable shouldn't be too tight.
- Apply silicon at the end of CD pipe so that rainwater does not enter.

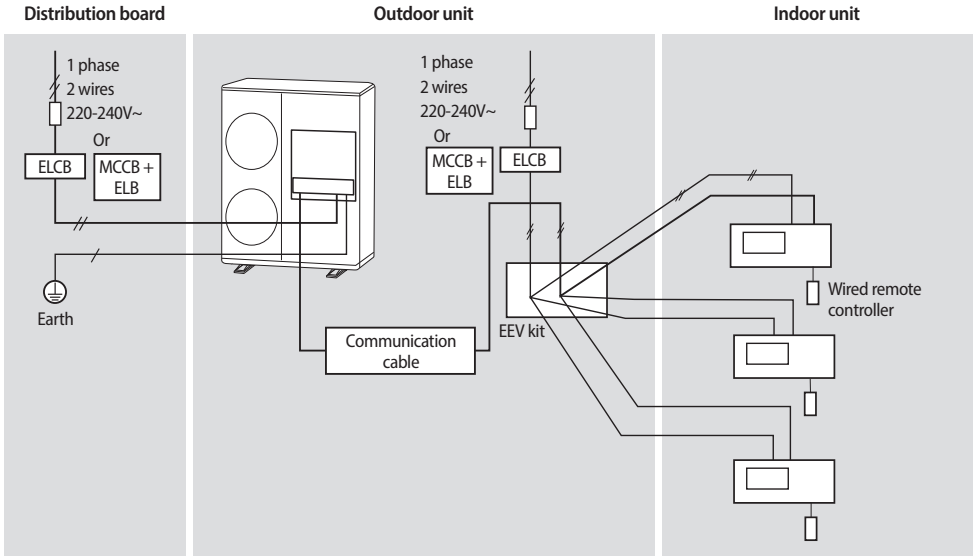


Overall System Configuration

Connection of the power cable (1 phase 2 wires)



Connection of the power cable (1 phase 2 wires using EEV kit)



12. Installation

Specification for circuit breaker and power supply cord

- Power supply cord is not supplied with air conditioner.
- Select the power supply cord in accordance with relevant local and national regulations.
- Wire size must comply with the applicable local and national code.
- The appliance shall be provided with a certified power supply cord and interconnection cord complying with the national regulations of the countries in which the appliance is to be sold.
- Power supply cords of parts of appliances for outdoor use shall not be lighter than polychloroprene sheathed flexible cord. (Code designation IEC : 60245 IEC 57 / CENELEC : H05RN-F)

Model	Voltage	MCA	MFA	S_{sc} value (MVA)
AM040TXMDEH	1phase, 220~240V/50 Hz	22	32	(Note1)
AM050TXMDEH		24	32	(Note1)
AM060TXMDEH		32	40	(Note1)

(Note1) Equipment complying with IEC 61000-3-12.

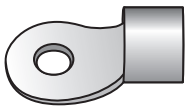
Tightening power terminal

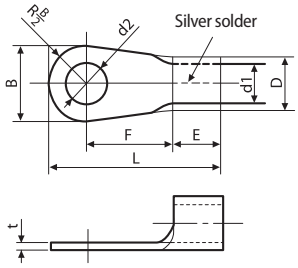
- Connect the cables to the terminal board using the compressed ring terminal.
- Use rated cables only.
- Connect the cables with driver and wrench that can apply the rated torque to the screws.
- Make sure that appropriate tightening torque is applied for cable connection. If the terminal is loose, arc heat may occur and cause fire and if the terminal is connected too firmly, terminal may get damaged.

Tightening torque (kgf•cm)		
M4	12.0~18.0	Communication : F1, F2 3 phase AC power: 1(L), 2(N), L, N, L1(R), L2(S), L3(T), N
M5	20.0~30.0	1 phase AC power : 1(L), 2(N), L, N

Selecting compressed ring terminal

- Select a compressed ring terminal of a connecting power cable based on a nominal dimensions for cable.
- Cover a compressed ring terminal and a connector part of the power cable and then connect it.





Nominal dimensions for cable (mm^2)		4/6		10	16	25		35		50	70
Nominal dimensions for screw (mm)		4	8	8	8	8	8	8	8	8	8
B	Standard dimension (mm)	9.5	15	15	16	12	16.5	16	22	22	24
	Allowance (mm)	±0.2		±0.2	±0.2	±0.3		±0.3		±0.3	±0.4
D	Standard dimension (mm)	5.6		7.1	9	11.5		13.3		13.5	17.5
	Allowance (mm)	+0.3 -0.2		+0.3 -0.2	+0.3 -0.2	+0.5 -0.2		+0.5 -0.2		+0.5 -0.2	+0.5 -0.4
d1	Standard dimension (mm)	3.4		4.5	5.8	7.7		9.4		11.4	13.3
	Allowance (mm)	±0.2		±0.2	±0.2	±0.2		±0.2		±0.3	±0.4
E	Min.	6		7.9	9.5	11		12.5		17.5	18.5
F	Min.	5	9	9	13	15	13	13		14	20
L	Max.	20	28.5	30	33	34		38	43	50	51
d2	Standard dimension (mm)	4.3	8.4	8.4	8.4	8.4		8.4		8.4	8.4
	Allowance (mm)	+ 0.2 0	+0.4 0	+0.4 0	+0.4 0	+0.4 0		+0.4 0		+0.4 0	+0.4 0
t	Min.	0.9		1.15	1.45	1.7		1.8		1.8	2.0

12. Installation

Installing grounding wire

- ▶ Grounding must be done by a qualified installer for your safety.
- ▶ Use the grounding wire by referring to the specification of the electric cable of the outdoor unit.

Grounding the power cable

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

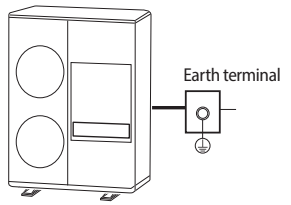
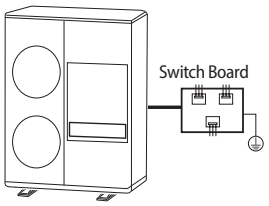
Installation place / Power condition	High humidity	Average humidity	Low humidity
Voltage of lower than 150V		Perform the grounding work 3. Note 1)	Perform the grounding work 3 if possible for your safety. Note 2)
Voltage of higher than 150V	Must perform the grounding work 3. Note 1) (In case of installing circuit breaker as well)		

NOTE

1. **Grounding work 3**
   - Grounding must be done by your installation specialist.
   - Check if the grounding resistance is lower than 100 Ω. When installing a circuit breaker that can cut the electric circuit within 0.5 second in case of a short circuit, the allowable grounding resistance should be 30~500 Ω.
2. **Grounding at dry place**
   - The grounding resistance is should be lower than 100 Ω. (It should not be higher than 250 Ω)
     - Use the rated grounding wire by referring to the specification of the electric cable of the outdoor unit.

Performing the grounding work

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

When using the terminal for grounding only	When using grounding of the switch board
	

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Ver.1.0

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