SAMSUNG

EHS

Technical Data Book

EHS TDM for Europe

(R410A, 50Hz, HP)

Model : Outdoor unit (AE✻✻✻MXTPEH/EU)
Hydro unit (AE✻✻✻TNWTEH/EU)
Indoor unit (AE✻✻✻MN✻DEH/EU, AE✻✻✻TNXDEG/EU, AE✻✻✻MN✻PEH/EU)

History

Version	Modification	Date	Remark
Ver.1.0	Release EHS TDM for Europe TDB	20.03.03	

Nomenclature

Outdoor Unit

Model Name

AE	160	M	X	T	P	E	H	/	EU
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)		Buyer

(1) Classification

AC	CAC
AM	DVM
AJ	FJM (Free Joint Multi)
AE	EHS

(2) Capacity

X 1/10 kW (3 digits)

(3) Version

H	2014
J	2015
K	2016
M	2017

(4) Product Type

S	SET (NASA)
N	Indoor Unit (NASA)
X	Outdoor Unit (NASA)
A	SET (Non NASA)
B	Indoor Unit (Non NASA)
C	Outdoor Unit (Non NASA)

(5) Feature 1

H	DVM HOME
E	SINGLE
T	MULTI
Y	MONO

(6) Feature 2

D	Deluxe
P	Premium

(7) Rating Voltage

A	115V, 60hz, 1Φ
B	220V, 60Hz, 1Φ
C	208~230V, 60Hz, 1Φ
D	200~220V, 50Hz, 1Φ
E	220~240V, 50Hz, 1Φ
F	208~230V, 60Hz, 3Φ
G	380~415V, 50Hz, 3Φ

(8) Mode

C	Cooling Only (R410A)
H	Heat Pump (R410A)
R	Heat Recovery (R410A)

Nomenclature

Tank integrated hydro unit

Model Name

AE	200	T	N	W	T	E	H	/	EU
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)		Buyer

(1) Classification

AC	CAC
AM	DVM
AJ	FJM (Free Joint Multi)
AE	EHS

(2) Capacity

x Liter (3 digits)

(3) Version

T	2020

(4) Product Type

S	SET (NASA)
N	Indoor Unit (NASA)
X	Outdoor Unit (NASA)
A	SET (Non NASA)
B	Indoor Unit (Non NASA)
C	Outdoor Unit (Non NASA)

(5) Product Notation

W	Tank integrated hydro unit

(6) Feature

T	TDM

(7) Rating Voltage

A	115V, 60hz, 1Φ
B	220V, 60Hz, 1Φ
C	208~230V, 60Hz, 1Φ
D	200~220V, 50Hz, 1Φ
E	220~240V, 50Hz, 1Φ
F	208~230V, 60Hz, 3Φ
G	380~415V, 50Hz, 3Φ

(8) Mode

H	Heat Pump

Nomenclature

Indoor unit

Model Name

AE	022	T	N	X	D	E	H	/	EU
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)		Buyer

(1) Classification

AC	CAC
AM	DVM
AJ	FJM (Free Joint Multi)
AE	EHS

(2) Capacity

X 1/10 kW (3 digits)

(3) Version

H	2014
J	2015
K	2016
M	2017
T	2020

(4) Product Type

S	SET (NASA)
N	Indoor Unit (NASA)
X	Outdoor Unit (NASA)
A	SET (Non NASA)
B	Indoor Unit (Non NASA)
C	Outdoor Unit (Non NASA)

(5) Product Notation

X	Wind-free RAC
Y	Hydro Unit
L	LSP Duct
M	MSP Duct
J	Console

(6) Feature

D	Deluxe
P	Premium

(7) Rating Voltage

A	115V, 60hz, 1Φ
B	220V, 60Hz, 1Φ
C	208~230V, 60Hz, 1Φ
D	200~220V, 50Hz, 1Φ
E	220~240V, 50Hz, 1Φ
F	208~230V, 60Hz, 3Φ
G	380~415V, 50Hz, 3Φ

(8) Mode

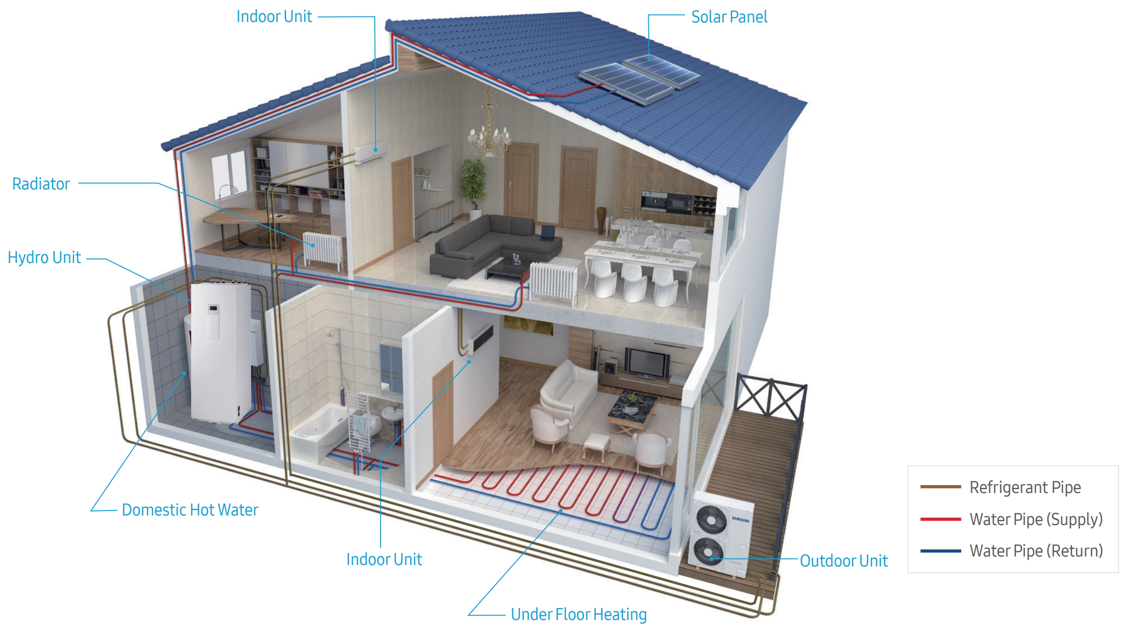
C	Cooling Only (R410A)
H	Heat Pump (R410A)
G	Heat Pump (R32)
R	Heat Recovery (R410A)

Features & Benefits

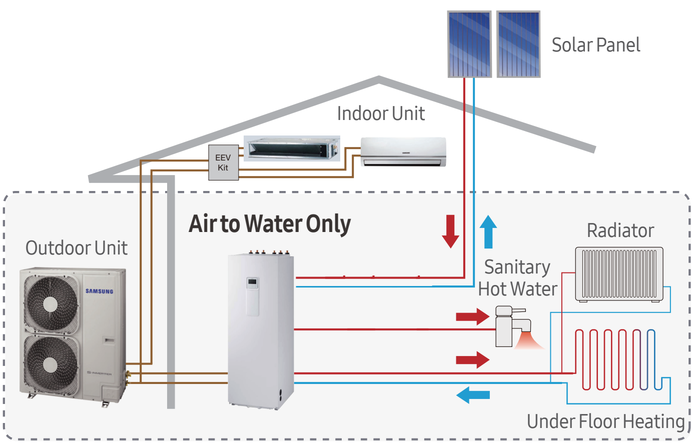
EHS TDM

Stabilize the atmosphere with all-season heating and cooling

The all-in-one Samsung EHS TDM (Time Division Multi) supports both air-to-air and air-to-water heating and cooling, providing the ultimate indoor climate solution for every season.



EHS TDM process (Air-to-Air and Air-to-Water)



Air to Air + Air to Water

- A2W+A2A Space heating and sanitary hot water
- A2W+A2A Space cooling (by reversing heating cycle)
- Consist of Outdoor unit, hydro unit, DHW tank (Field Supply) and indoor units (Wall mounted and slim duct type)
- Compatible with 2 hybrid energy sources (field supply) : Solar panel/ Back-up boiler

Air to Water Only

- A2W Space heating and sanitary hot water
- A2W Space cooling (by reversing heating cycle)
- Consist of Outdoor unit, hydro unit, DHW tank (Field Supply)
- Compatible with 2 hybrid energy sources (field supply) : Solar panel/ Back-up boiler

Features & Benefits

Enjoy smart temperature control throughout the year

Samsung EHS TDM offers an integrated solution to residents' heating and cooling needs in every season. Its all-in-one design, innovative TDM technology and broad flexibility only enhance its performance, delivering unparalleled comfort for any household.

Low-cost integrated heating and cooling

With EHS TDM, both water and air are heated by a single outdoor unit.

Air-to-air

Air-to-air heating and cooling brings comfort to the home while rapidly achieving a stable temperature. EHS TDM can also be used for cooling in the summer and heating in the winter.

Air Cooling

Air Heating

Air-to-water

Air-to-water heating and cooling tempers the atmosphere perfectly and cost effectively. The efficient system uses energy from the outside air to heat the radiator, under-floor and sanitary water supply.

Under Floor Heating

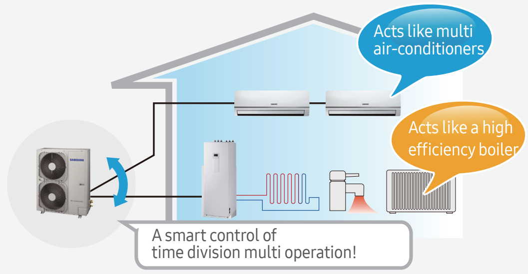
Radiator

Hot Water

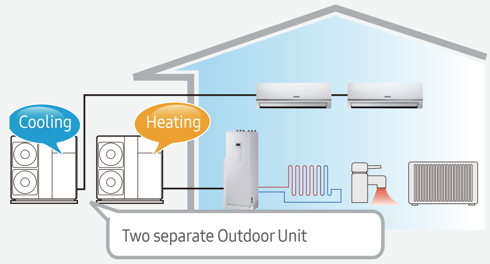
Perfect all-in-one system

EHS TDM requires installation of only one outdoor unit. Smart control of TDM operation between air-to-water and air-to-air enables one outdoor unit to operate for both functionalities, resulting in lower product cost and space saving.

SAMSUNG EHS TDM System



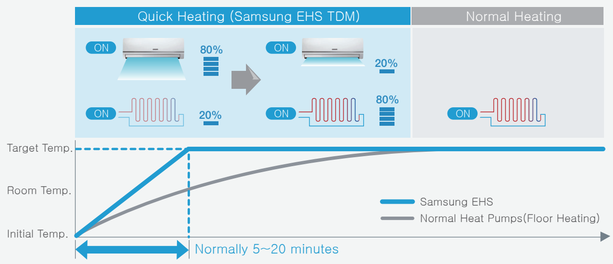
Company A



Quick heating with TDM technology

Floor heating is well recognized as the optimal heating option for indoor thermal comfort. However, it takes 4 ~ 8 hours to heat up the room after turning on the floor heating. Samsung TDM technology, the first of its kind in Europe, quickens the warmup with double the heating source. EHS TDM distributes hot air and provides floor heating to rapidly warm up the room.

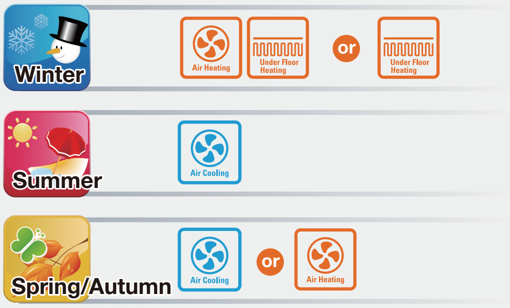
Samsung TDM technology, the first of its kind in Europe, quickens the warmup with double the heating source.



Features & Benefits

Typical seasonal usage

Typically, a different heating solution is needed for each season's particular climate. Samsung EHS can be used all year long—regardless of the climate—because a single outdoor unit can be used for both air-to-water or air-to-air cooling and heating.



Wide compatibility and flexibility

Samsung EHS TDM offers broad compatibility for easier control. The unit can be implemented with a domestic hot water tank, thermostat, pump, solar panel or back-up boiler, making it exceptionally versatile.

Key features of the Hydro Unit

- Quick Heating by TDM Technology
  Floor heating is well known as the optimal heating option for indoor thermal comfort.
  However, it takes 4~8 hours to heat up the room after it is turned on. Samsung EHS TDM technology quickens that process by blowing hot air along with floor heating to warm up the room.
- Integrated Heating & Cooling System at a Lower Cost
  Time Division Multi (TDM), a smart alternating operation between air-to-water and air-to-air, enables one outdoor unit to operate for both functionalities resulting in lower product cost and space saving.
- Running Costs-Reduction of Up to 33.3%
  Samsung EHS, known for its world class efficiency (4.4kW floor heating system with COP of 4.73), can reduce 33.3% of your running costs as compared to a gas boiler.
- Price and Space Reduction of Up to 50%
  With an all-in-one outdoor unit capable of both air-to-water and air-to-air functions, Samsung EHS saves you in terms of the low initial purchase price & installation fee as well as the space needed for an extra outdoor unit.
- High Performance at Low Temperature
  Samsung EHS is made up of an inverter compressor optimally operated according to the outdoor temperature, offering heating performance of 90% at -10°C and reliable antifreezing protection at -25°C

Features & Benefits

Tank integrated Hydro Unit

World-class SCOP
The Highest Grade A+++

R410A

Connect up to 7 units
Expand the A2A connectivity

※ connect up to 7 units

Various Indoor Unit
Wall mounted, Console,

LSP Duct, Duct S (MSP)

EHS TDM Plus

DHW
Up to 53℃

※ Only for Tank integrated hydro unit (Wall-mounted type : 50℃)

50℃ 53℃

Wide Range of Operation
Down to -25℃

※ At winter season

-25℃

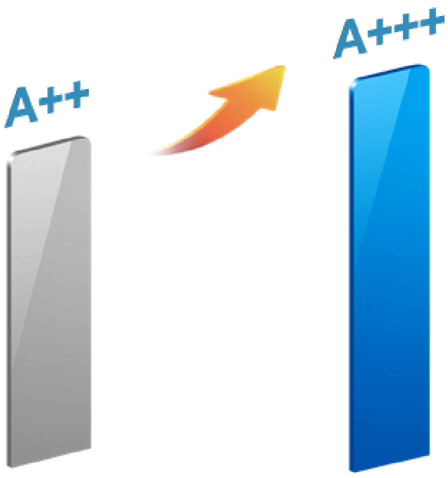
Smart Wi-Fi
Control Anywhere, Anytime

※ Optional Kit

R410 Line Up
4.4kW~16kW

World-class Seasonal Coefficient of Performance

- Acquired A++/A+++ Energy grade

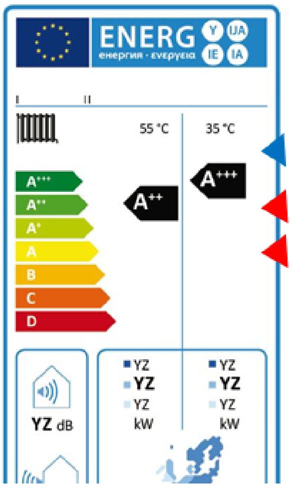


R410A

(A7W35 condition)

(AE090/120/160MXTPGH, AE160MXTPEH)

Minimum Energy Performance Standard (EU)



SCOP A+++
After 26th, Sep 2019Y

SCOP A+
(from Sept 2017, MEPS)

SCOP A
(from Sept 2015, MEPS)

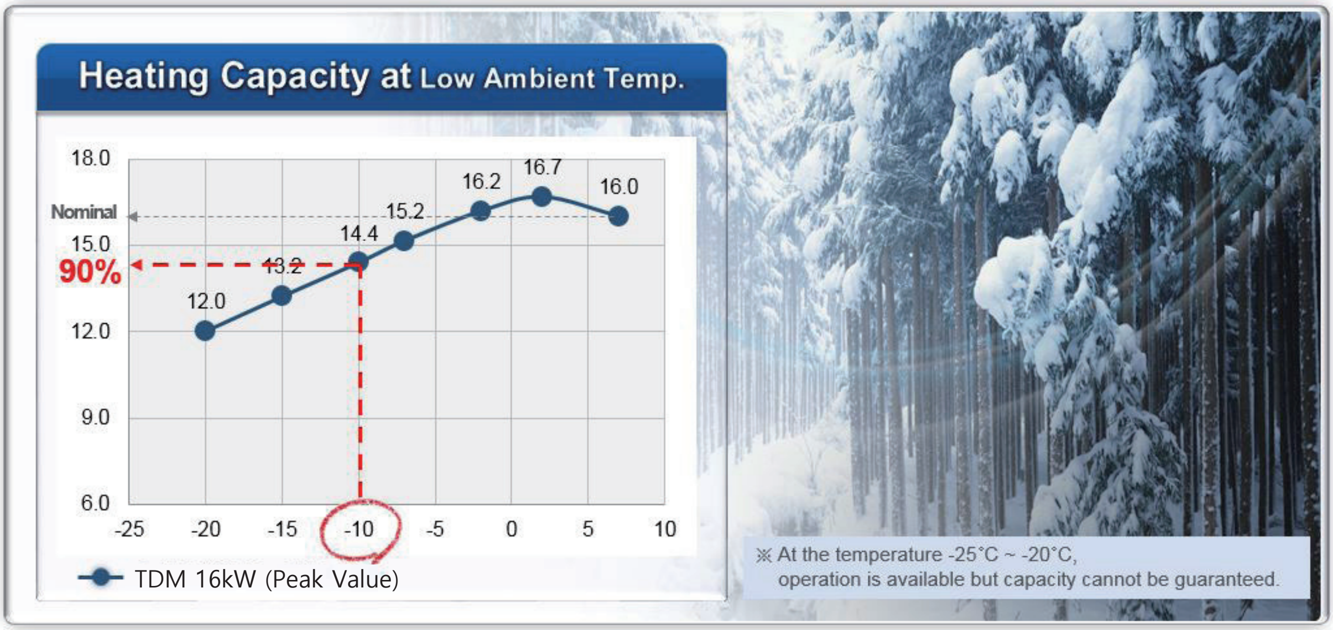
※ according to EN14815

※ according to EN14815

Features & Benefits

Higher Heating Capacity at Low Temperature

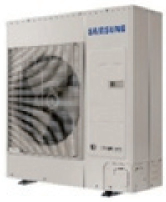
- The new models provide comfort with 90% of heating performance at -10°C of ambient temperature.



Contents

1. Line-up

1-1. Outdoor Units

Capacity		4.4 / 6.6 kW	9.0 kW	12 / 16 kW
Image				
Model	1phase	AE044MXTPEH/EU AE066MXTPEH/EU	AE090MXTPEH/EU	AE120MXTPEH/EU AE160MXTPEH/EU
	3phase		AE090MXTPGH/EU	AE120MXTPGH/EU AE160MXTPGH/EU

1-2. Hydro & Indoor units

Type \ Capacity	2.2 kW	2.8 kW	3.6 kW	5.6 kW	7.1 kW	9 kW
Slim Duct						
MSP Duct						
Wind-Free RAC						
Console						
	200L	260L				
Tank integrated Hydro Unit						

2. Outdoor Units

2-1. Specifications

Type					EHS TDM PLUS	EHS TDM PLUS	EHS TDM PLUS	EHS TDM PLUS
Model Name					AE044MXTPEH/EU	AE066MXTPEH/EU	AE090MXTPEH/EU	AE090MXTPGH/EU
System	Mode			-	Heat Pump (A2W)	Heat Pump (A2W)	Heat Pump (A2W)	Heat Pump (A2W)
	A2W Condition #1. (A7/W35) 1)*	Nominal Capacity	Heating (Min/Std/Max)	W	1,667/4,400/4,400	1,667/6,600/6,600	2,394/9,000/9,000	2,475/9,000/9,000
				Btu/h	5,700/15,000/15,000	5,700/22,500/22,500	8,200/30,700/30,700	8,400/30,700/30,700
			Cooling (Min/Std/Max)	W	1,658/5,100/5,100	1,658/6,700/6,700	1,818/8,000/8,000	1,875/8,000/8,000
				Btu/h	5,700/17,400/17,400	5,700/22,900/22,900	6,200/27,300/27,300	6,400/27,300/27,300
		Power Input (Nominal)	Heating (Min/Std/Max)	W	409/930/930	409/1,470/1,470	564/2,120/2,120	583/2,120/2,120
			Cooling (Min/Std/Max)	W	370/1,030/1,030	370/1,480/1,480	420/1,850/1,850	465/1,860/1,860
		Current Input (Nominal)	Heating (Min/Std/Max)	A	1.7/4.3/4.3	1.7/6.7/6.7	2.6/9.6/9.6	1.0/3.5/3.5
			Cooling (Min/Std/Max)	A	1.7/4.9/4.9	1.7/6.9/6.9	1.9/8.5/8.5	0.8/3.0/3.0
		COP (Nominal Heating)			4.73	4.49	4.25	4.25
		EER (Nominal Cooling)			4.95	4.53	4.32	4.30
		SCOP(35℃)			4.42	4.42	4.42	4.45
		ESEER			5.08	4.92	5.36	4.93
	A2W Condition #2. (A7/W35) 2)*	Capacity	Heating	W	4,000	6,100	8,000	8,300
				Btu/h	13,600	20,800	27,300	28,300
			Cooling	W	3,500	4,500	5,600	5,700
				Btu/h	11,900	15,400	19,100	19,400
		Power Input	Heating	W	1,160	1,830	2,380	2,500
			Cooling	W	1,030	1,420	1,790	1,750
		Current Input	Heating	A	5.4	8.4	10.9	3.9
			Cooling	A	4.8	6.6	8.2	2.8
		COP	Heating	W/W	3.45	3.33	3.36	3.32
		EER	Cooling	W/W	3.40	3.17	3.13	3.26
	A2/W35 3)*	Capacity	Heating	W	4,000	5,800	7,700	7,700
		COP		W/W	3.54	3.31	3.47	3.47
	A-7/W35 3)*	Capacity	Heating	W	3,900	5,700	7,400	7,400
		COP		W/W	2.81	2.79	2.79	2.79
	Maximum allowable connections for indoor units			EA	2	3	4	4
	(Not including Hydro-A2W)	Total capacity of the connected Indoor Units	Min. (Cooling)	kW	2.2	3.3	4.5	4.5
			Min. (Cooling)	kW	4.4	6.6	9.0	9.0
	Field Wiring	MCA		A	18.0	20.0	22.0	10.0
		MFA		A	25.0	25.0	27.5	16.1
	Water Connections	Water Flow Rate	Min/Std/Max	LPM	7.0/12.7/42.0	7.0/19.0/42.0	7.0/26.0/42.0	7.0/26.0/42.0
	Refrigerant	Piping Connections	Liquid pipe	Φ, mm (inch)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)
			Gas pipe(A2W)	Φ, mm (inch)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)
			Gas pipe(A2A)	Φ, mm (inch)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)
		Piping length (ODU-IDU)	Max.[Equiv.]	m	30	30	30	30
		Level difference (IDU-IDU)	Max.	m	20	20	20	20
		Chargeless Length		m	10	10	10	10
		Type		-	R410A	R410A	R410A	R410A
		Factory Charging		kg	2.6	2.6	2.4	2.4
				tCO2e	5.43	5.43	5.01	5.01
		Control Method		-	EEV	EEV	EEV	EEV

2. Outdoor Units

Type					EHS TDM PLUS	EHS TDM PLUS	EHS TDM PLUS	EHS TDM PLUS
Model Name					AE044MXTPEH/EU	AE066MXTPEH/EU	AE090MXTPEH/EU	AE090MXTPGH/EU
Outdoor Unit	Power Supply			Φ, #, V, Hz	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	3,4,380-415,50
	Compressor	Type		-	Rotary Comp	Rotary Comp	Rotary Comp	Rotary Comp
		Model Name		-	UG4TH8200FE4	UG4TH8200FE4	UG8TH8265FJW	UG8T300FUCJU
		Oil	Type	-	POE	POE	POE	PVE
			Initial Charge	cc	650	650	700	1,200
	Fan	Type		-	Propeller Fan	Propeller Fan	Propeller Fan	Propeller Fan
		Discharge direction			Horizontal	Horizontal	Horizontal	Horizontal
		Air Flow Rate		m^3/min	45	47	67	67
		Quantity		EA	1	1	1	1
	Sound	Sound Pressure	Heating	dB(A)	47	48	51	51
			Cooling	dB(A)	46	47	50	50
		Sound Power		dB(A)	65	67	69	69
	External Dimension	Net Weight		kg	61	61	74	76
		Shipping Weight		kg	64.5	64.5	82	84
		Net Dimensions (WxHxD)		mm	880 x 793 x 310	880 x 793 x 310	940 x 998 x 330	940 x 998 x 330
		Shipping Dimensions (WxHxD)		mm	1,023 x 911 x 413	1,023 x 911 x 413	995 x 1,178 x 426	995 x 1,178 x 426
	Operating Temp. Range	A2W	Heating	℃	-25~35	-25~35	-25~35	-25~35
			Cooling	℃	10~46	10~46	10~46	10~46
			D.Hot Water	℃	-25~43	-25~43	-25~43	-25~43
		A2A	Heating	℃	-25~24	-25~24	-25~24	-25~24
			Cooling	℃	10~46	10~46	10~46	10~46

NOTE

- Specifications may be subject to change without prior notice.
  1)* A2W Condition #1 : (Heating) Water In/Out 30°C/35°C, Outdoor Air 7°C[DB]/6°C[WB]; (Cooling) Water In/Out 23°C/18°C, Outdoor Air 35°C[DB].
  2)* A2W Condition #2 : (Heating) Water In/Out 40°C/45°C, Outdoor Air 7°C[DB]/6°C[WB]; (Cooling) Water In/Out 12°C/7°C, Outdoor Air 35°C[DB].
  3)* A2W Condition : (A2W35) Water In/Out -/35°C, Outdoor Air 2°C[DB]/1°C[WB]; (A-7/W35) Water In/Out -/35°C, Outdoor Air -7°C[DB]/-(※ Peak Capacity)
- Select wire size based on the value of MCA
- Sound pressure level is obtained in an anechoic room.
  - Sound pressure level is a relative value, depending on the distance and acoustic environment.
  - Sound pressure level may differ depending on operation condition.
  - dBA = A-weighted sound pressure level
  - Reference acoustic pressure 0 dB = 20uPa
- 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
- These products contain R410A (GWP=2,088) which is fluorinated greenhouse gas.
- The system is operated in (-25°C ≤ Outdoor temp. < -20°C) condition, but no guarantee of capacity.
- The system is operated by only Booster Heater in special condition (35 °C < Outdoor temp. ≤ 43°C).

2. Outdoor Units

2-1. Specifications

Type					EHS TDM PLUS	EHS TDM PLUS	EHS TDM PLUS	EHS TDM PLUS
Model Name					AE120MXTPEH/EU	AE120MXTPGH/EU	AE160MXTPEH/EU	AE160MXTPGH/EU
System	Mode			-	Heat Pump (A2W)	Heat Pump (A2W)	Heat Pump (A2W)	Heat Pump (A2W)
	A2W Condition #1. (A7/W35) 1)*	Nominal Capacity	Heating (Min/Std/Max)	W	3,750/12,000/12,000	3,750/12,000/12,000	3,750/16,000/16,000	3,750/16,000/16,000
				Btu/h	12,800/40,900/40,900	12,800/40,900/40,900	12,800/54,600/54,600	12,800/54,600/54,600
			Cooling (Min/Std/Max)	W	3,300/12,000/12,000	3,300/12,000/12,000	3,300/14,500/14,500	3,300/14,500/14,500
				Btu/h	11,300/40,900/40,900	11,300/40,900/40,900	11,300/49,500/49,500	11,300/49,500/49,500
		Power Input (Nominal)	Heating (Min/Std/Max)	W	850/2,720/2,720	850/2,720/2,720	850/3,950/3,950	850/3,950/3,950
			Cooling (Min/Std/Max)	W	798/2,900/2,900	798/2,900/2,900	798/3,840/3,840	798/3,840/3,840
		Current Input (Nominal)	Heating (Min/Std/Max)	A	3.9/12.4/12.4	1.4/4.3/4.3	3.9/18.0/18.0	1.4/6.0/6.0
			Cooling (Min/Std/Max)	A	3.6/13.2/13.2	1.2/4.5/4.5	3.6/13.2/13.2	1.2/5.9/5.9
		COP (Nominal Heating)			4.41	4.41	4.05	4.05
		EER (Nominal Cooling)			4.14	4.14	3.78	3.78
		SCOP(35℃)			4.66	4.66	4.63	4.63
		ESEER			5.29	5.29	5.21	5.21
	A2W Condition #2. (A7/W35) 2)*	Capacity	Heating	W	11,200	11,200	15,000	15,000
				Btu/h	38,200	38,200	51,200	51,200
			Cooling	W	8,600	8,600	10,300	10,300
				Btu/h	29,300	29,300	35,100	35,100
		Power Input	Heating	W	3,300	3,300	4,710	4,710
			Cooling		2,790	2,790	3,590	3,590
		Current Input	Heating	A	15.1	5.1	21.5	7.3
			Cooling		12.8	4.3	16.4	5.6
		COP	Heating	W/W	3.39	3.39	3.18	3.18
		EER	Cooling	W/W	3.08	3.08	2.87	2.87
	A2/W35 3)*	Capacity	Heating	W	11,000	11,000	13,700	13,700
		COP		W/W	3.41	3.41	3.19	3.19
	A-7/W35 3)*	Capacity	Heating	W	10,600	10,600	14,000	14,000
		COP		W/W	2.97	2.97	2.73	2.73
	Maximum allowable connections for indoor units			EA	5	5	7	7
	(Not including Hydro-A2W)	Total capacity of the connected Indoor Units	Min. (Cooling)	kW	6.0	6.0	7.7	7.7
			Min. (Cooling)	kW	12.1	12.1	15.4	15.4
	Field Wiring	MCA		A	28.0	10.0	32.0	12.0
		MFA		A	35.0	16.1	40.0	16.1
	Water Connections	Water Flow Rate	Min/Std/Max	LPM	12.0/34.6/58.0	12.0/34.6/58.0	12.0/46.2/58.0	12.0/46.2/58.0
	Refrigerant	Piping Connections	Liquid pipe	Φ, mm (inch)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)
			Gas pipe(A2W)	Φ, mm (inch)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)
			Gas pipe(A2A)	Φ, mm (inch)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)
		Piping length (ODU-IDU)	Max.[Equiv.]	m	70	70	70	70
		Level difference (IDU-IDU)	Max.	m	30	30	30	30
		Chargeless Length		m	10	10	10	10
		Type		-	R410A	R410A	R410A	R410A
		Factory Charging		kg	3.5	3.5	3.5	3.5
				tCO2e	7.31	7.31	7.31	7.31
		Control Method		-	EEV	EEV	EEV	EEV

2. Outdoor Units

Type					EHS TDM PLUS	EHS TDM PLUS	EHS TDM PLUS	EHS TDM PLUS
Model Name					AE120MXTPEH/EU	AE120MXTPGH/EU	AE160MXTPEH/EU	AE160MXTPGH/EU
Outdoor Unit	Power Supply			Φ, #, V, Hz	1,2,220-240,50	3,4,380-415,50	1,2,220-240,50	3,4,380-415,50
	Compressor	Type		-	Rotary Comp	Rotary Comp	Rotary Comp	Rotary Comp
		Model Name		-	UG5TK1450FJX	UG5TK1450FJX	UG5TK1450FJX	UG5TK1450FJX
		Oil	Type	-	POE	POE	POE	POE
			Initial Charge	cc	1,700	1,700	1,700	1,700
	Fan	Type		-	Propeller Fan	Propeller Fan	Propeller Fan	Propeller Fan
		Discharge direction			Horizontal	Horizontal	Horizontal	Horizontal
		Air Flow Rate		m^3/min	103	103	123	123
		Quantity		EA	2	2	2	2
	Sound	Sound Pressure	Heating	dB(A)	52	52	55	55
			Cooling	dB(A)	51	51	54	54
		Sound Power		dB(A)	70	70	73	73
	External Dimension	Net Weight		kg	107	107	107	107
		Shipping Weight		kg	115	115	115	115
		Net Dimensions (WxHxD)		mm	940 x 1,420 x 330	940 x 1,420 x 330	940 x 1,420 x 330	940 x 1,420 x 330
		Shipping Dimensions (WxHxD)		mm	995 x 1,598 x 426	995 x 1,598 x 426	995 x 1,598 x 426	995 x 1,598 x 426
	Operating Temp. Range	A2W	Heating	℃	-25~35	-25~35	-25~35	-25~35
			Cooling	℃	10~46	10~46	10~46	10~46
			D.Hot Water	℃	-25~43	-25~43	-25~43	-25~43
		A2A	Heating	℃	-25~24	-25~24	-25~24	-25~24
			Cooling	℃	10~46	10~46	10~46	10~46

NOTE

- Specifications may be subject to change without prior notice.
  1)* A2W Condition #1 : (Heating) Water In/Out 30°C/35°C, Outdoor Air 7°C[DB]/6°C[WB]; (Cooling) Water In/Out 23°C/18°C, Outdoor Air 35°C[DB].
  2)* A2W Condition #2 : (Heating) Water In/Out 40°C/45°C, Outdoor Air 7°C[DB]/6°C[WB]; (Cooling) Water In/Out 12°C/7°C, Outdoor Air 35°C[DB].
  3)* A2W Condition : (A2W35) Water In/Out -/35°C, Outdoor Air 2°C[DB]/1°C[WB]; (A-7/W35) Water In/Out -/35°C, Outdoor Air -7°C[DB]/-(※ Peak Capacity)
- Select wire size based on the value of MCA
- Sound pressure level is obtained in an anechoic room.
  - Sound pressure level is a relative value, depending on the distance and acoustic environment.
  - Sound pressure level may differ depending on operation condition.
  - dBA = A-weighted sound pressure level
  - Reference acoustic pressure 0 dB = 20uPa
- 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
- These products contain R410A (GWP=2,088) which is fluorinated greenhouse gas.
- The system is operated in (-25°C ≤ Outdoor temp. < -20°C) condition, but no guarantee of capacity.
- The system is operated by only Booster Heater in special condition (35 °C < Outdoor temp. ≤ 43°C).

2. Outdoor Units

2-2. Electrical characteristics

Capacity [kW]	Model	Power Supply				Voltage Range [V]		Nominal Running Current [A]		Current [A]	
		Φ	#	Hz	Voltage	Min. (-10%)	Max. (+10%)	Cooling	Heating	MCA	MFA
4.4	AE044MXTPEH/EU	1	2	50	220~240	198	264	4.3	4.9	18.0	25.0
6.6	AE066MXTPEH/EU	1	2	50	220~240	198	264	6.7	6.9	20.0	25.0
9.0	AE090MXTPEH/EU	1	2	50	220~240	198	264	9.6	8.5	22.0	27.5
9.0	AE090MXTPGH/EU	3	4	50	380~415	342	456	3.5	3.0	10.0	16.1
12.0	AE120MXTPEH/EU	1	2	50	220~240	198	264	12.4	13.2	28.0	35.0
12.0	AE120MXTPGH/EU	3	4	50	380~415	342	456	4.3	4.5	10.0	16.1
16.0	AE160MXTPEH/EU	1	2	50	220~240	198	264	18.0	17.5	32.0	40.0
16.0	AE160MXTPGH/EU	3	4	50	380~415	342	456	6.0	5.9	12.0	16.1

NOTE

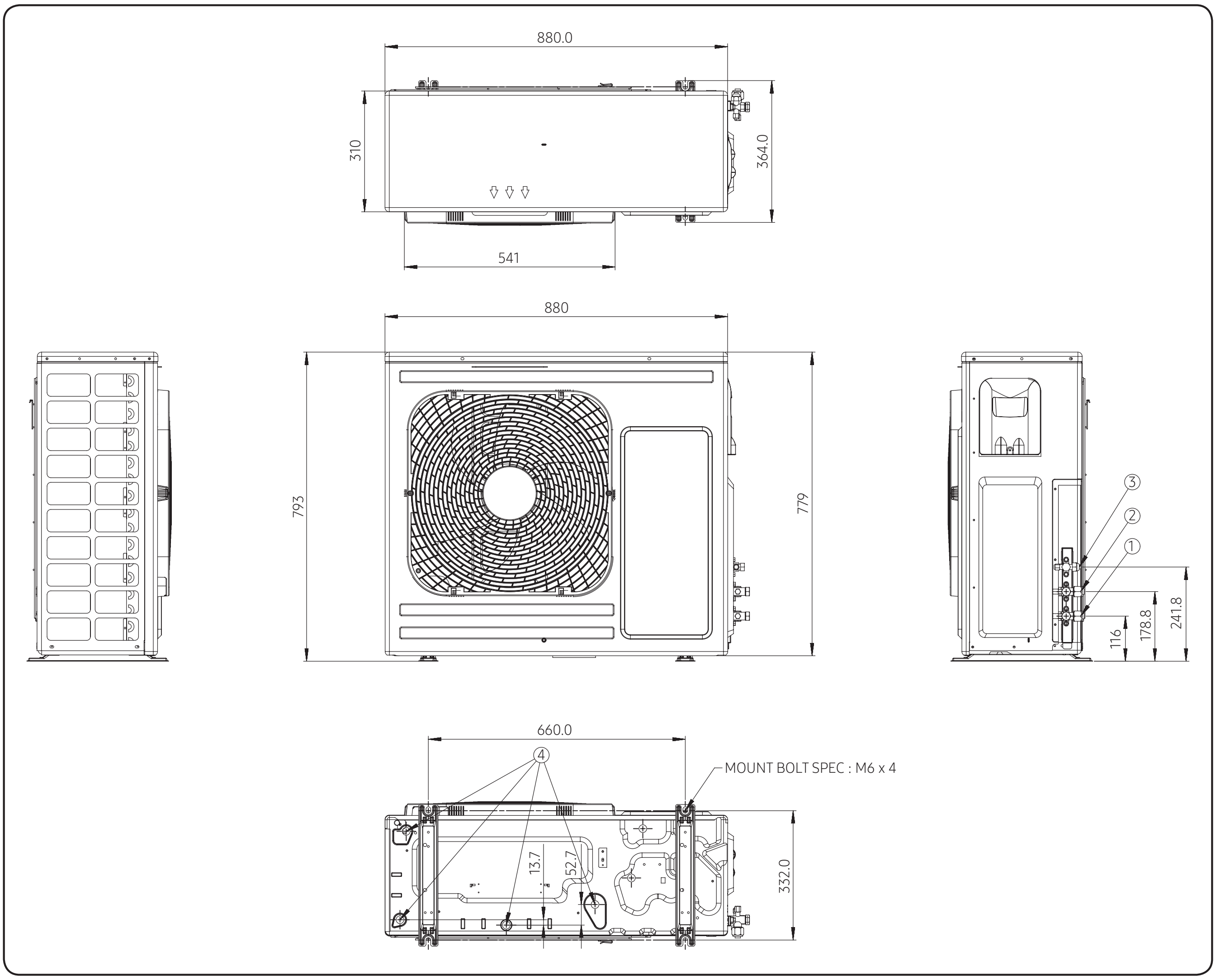
- MCA : Maximum circuit amperes
- MFA : Maximum fuse amperes
- Select wire size based on the value of MCA

2. Outdoor Units

2-3. Dimensional drawing

AE044/066MXTPEH✱✱

Unit : mm



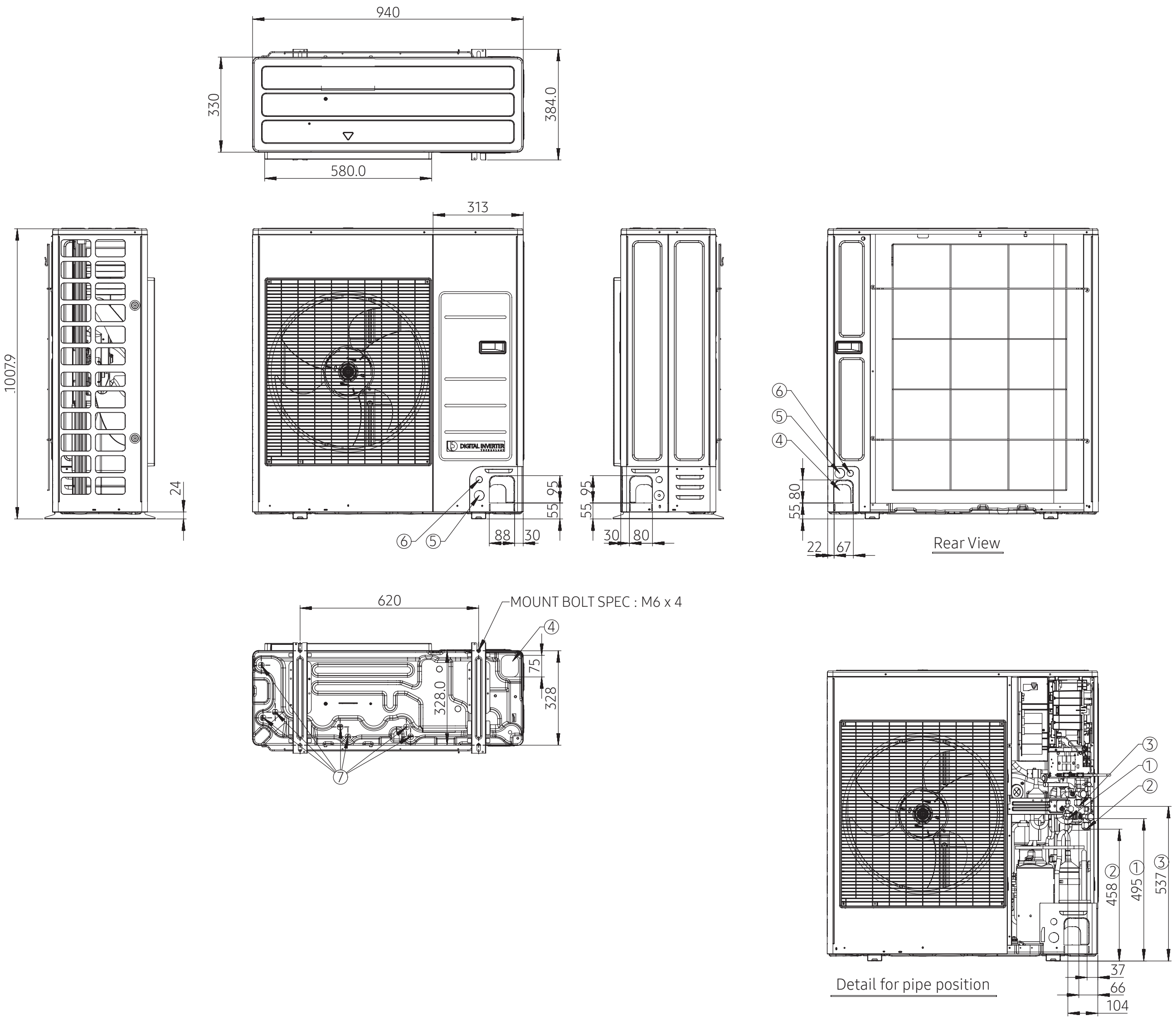
NO	Name	Description	
		4.4 kW	6.6 kW
1	Refrigerant Gas Pipe(For AIR)	Φ15.88(Φ5/8)	
2	Refrigerant Gas Pipe(For WATER)	Φ15.88(Φ5/8)	
3	Refrigerant Liquid Pipe	Φ9.52(Φ3/8)	
4	Drain Holes	Connect with the provided drain plug	

2. Outdoor Units

2-3. Dimensional drawing

AE090MXTP✲H✲✲

Unit : mm



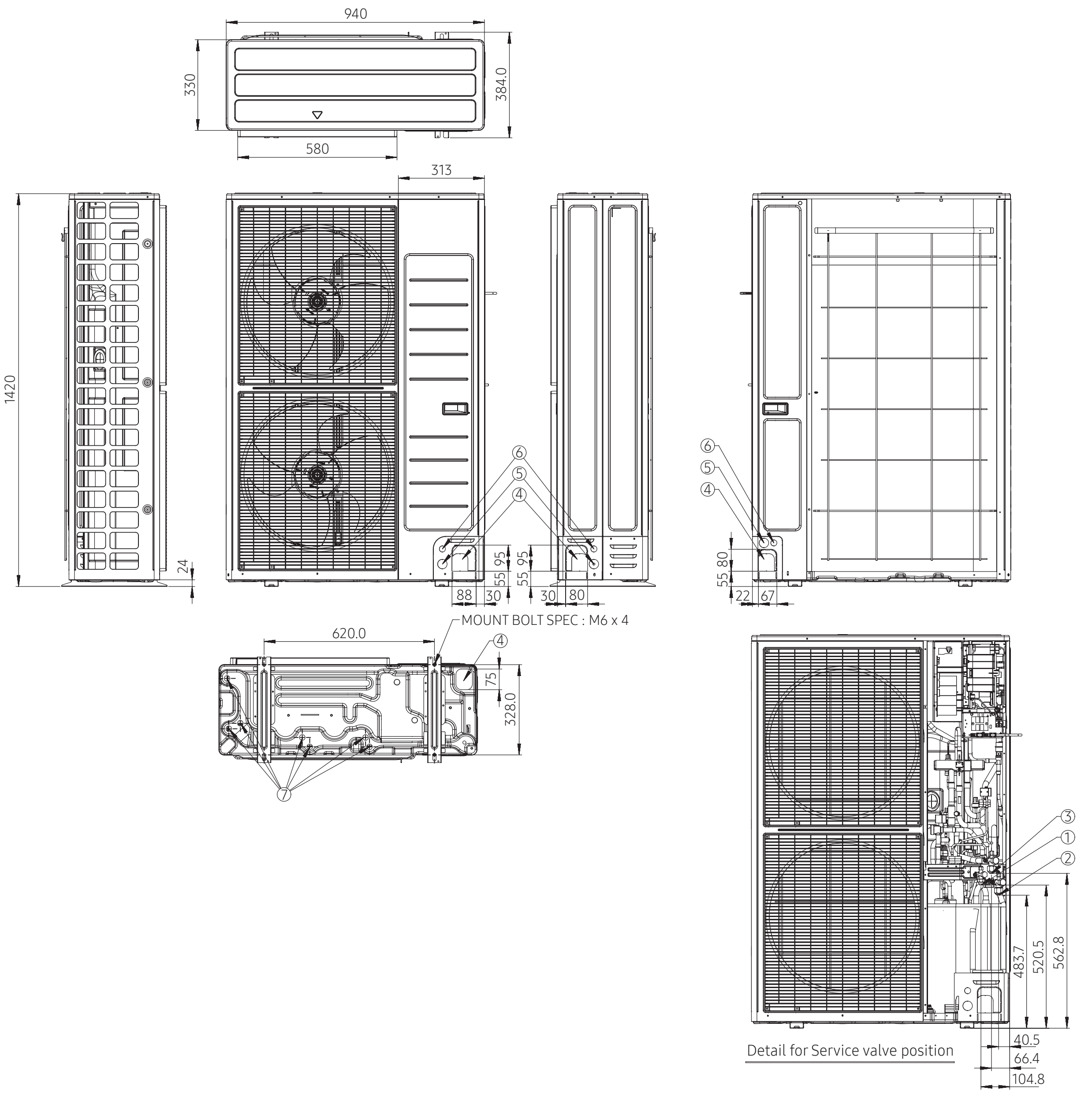
NO	Name	Description
		9 kW
1	Refrigerant liquid pipe	Φ9.52("3/8)
2	Refrigerant gas pipe for air	Φ15.88("5/8)
3	Refrigerant gas pipe for water	Φ15.88("5/8)
4	Knockout hole for pipe intake	Front / Side / Rear / Bottom
5	Power wiring conduits	Front / Side / Rear, Φ34("1-3/8)
6	Communication wiring conduits	Front / Side / Rear, Φ22("7/8)
7	Drain holes	Connect with the provided drain plug.

2. Outdoor Units

2-3. Dimensional drawing

AE120/160MXTP✱H✱✱

Unit : mm

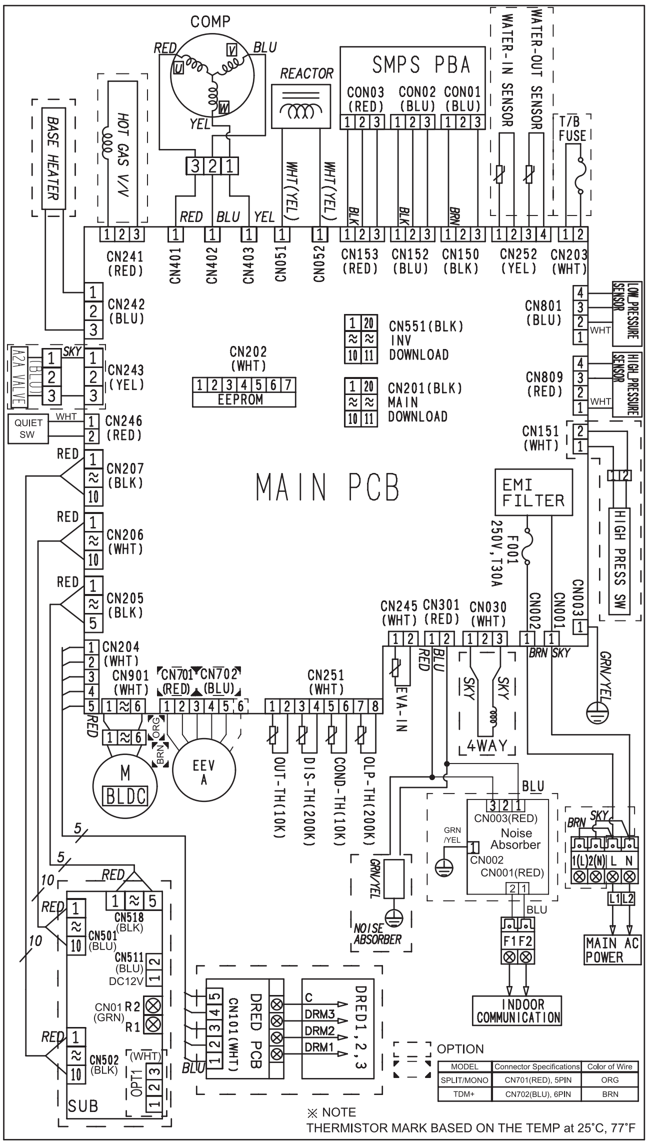


NO	Name	Description	
		12 kW	16 kW
1	Refrigerant liquid pipe	Φ9.52("3/8)	
2	Refrigerant gas pipe for air	Φ15.88("5/8)	Φ15.88("5/8)
3	Refrigerant gas pipe for water	Φ15.88("5/8)	Φ15.88("5/8)
4	Knockout hole for pipe intake	Front / Side / Rear / Bottom	Front / Side / Rear / Bottom
5	Power wiring conduits	Front / Side / Rear, Φ34("1-3/8)	Front / Side / Rear, Φ34("1-3/8)
6	Communication wiring conduits	Front / Side / Rear, Φ22("7/8)	Front / Side / Rear, Φ22("7/8)
7	Drain holes	Connect with the provided drain plug.	Connect with the provided drain plug.

2. Outdoor Units

2-4. Electrical wiring diagram

AE044/066MXTPEH✱✱



M BLDC	BLDC FAN MOTOR	HOTGAS V/V	HOTGAS VALVE
OUT-TH	Thermistor OUT(10K)	DIS-TH	Thermistor DISCHARGE(200K)
COND-TH	Thermistor COND(10K)	OLP-TH	Thermistor OLP(200K)

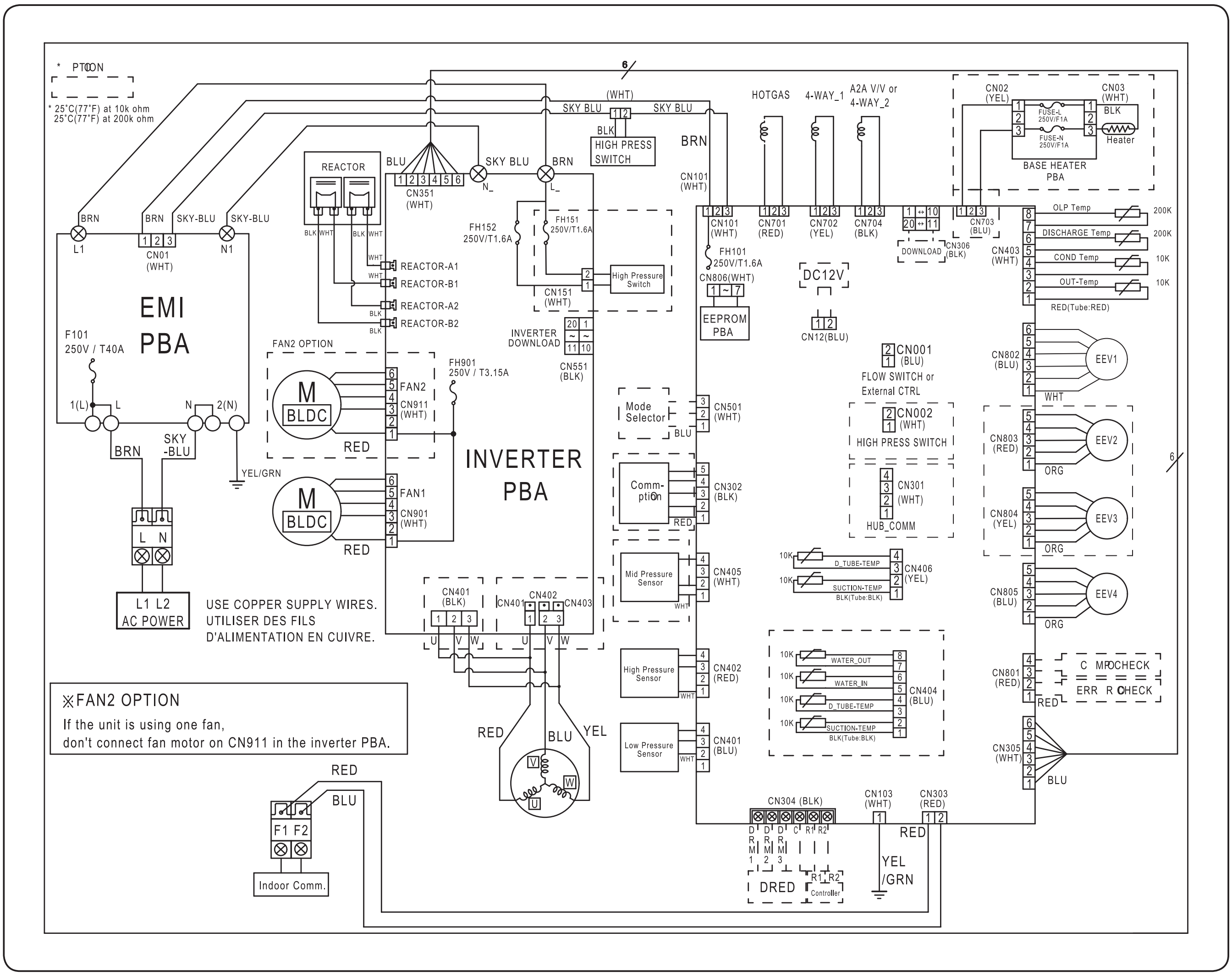
NOTES

1. This wiring diagram applies only to the Outdoor unit.
2. Symbols show as follow :
   blk: black, red: red, blu: blue, wht: white, yel: yellow, brn: brown, sky: skyblue, grn: green
3. For connection wiring indoor-outdoor transmission F1-F2, indoor-wired remote controller transmission F3-F4.
4. ⏚ Protective earth(SCREW)

2. Outdoor Units

2-4. Electrical wiring diagram

AE090/120/160MXTPEH※※



M BLDC	BLDC FAN MOTOR	External CTRL	External Control
Comm	Communication	OUT-Temp	Thermistor OUT(10K)
COND-Temp	Thermistor COND(10K)	DISCHARGE-Temp	Thermistor DISCHARGE(200K)
OLP-Temp	Thermistor OLP(200K)	SUCTION-TEMP	Thermistor SUCTION(10K)
D_TUBE-TEMP	Thermistor SUB-COOLER(10K)		

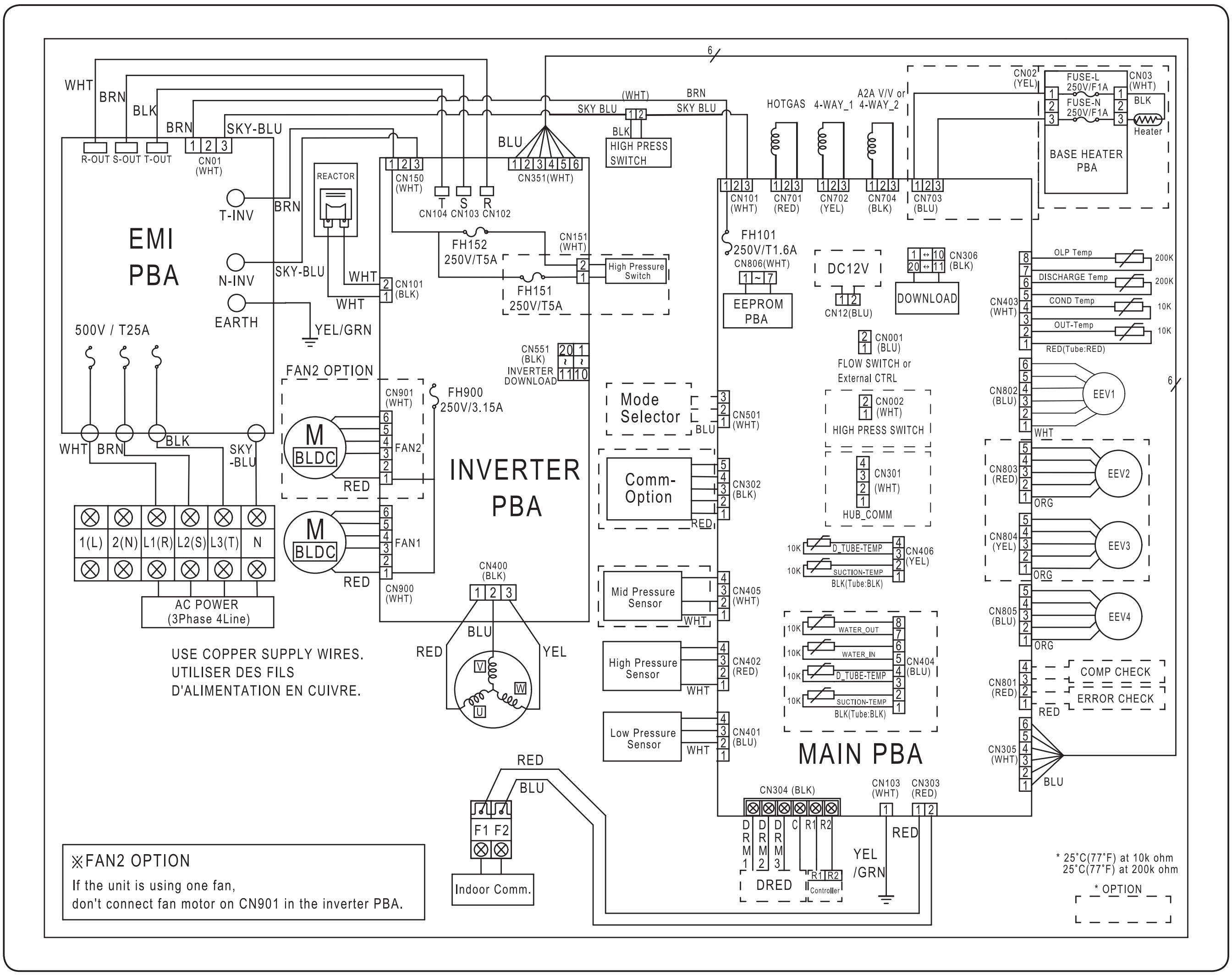
NOTES

1. This wiring diagram applies only to the Outdoor unit.
2. Symbols show as follow :
   blk: black, red: red, blu: blue, wht: white, yel: yellow, brn: brown, sky: skyblue, grn: green
3. For connection wiring indoor-outdoor transmission F1-F2, indoor-wired remote controller transmission F3-F4.
4. ⏚ Protective earth(SCREW)

2. Outdoor Units

2-4. Electrical wiring diagram

AE090/120/160MXTPGH✱✱



M BLDC	BLDC FAN MOTOR	External CTRL	External Control
Comm	Communication	OUT-Temp	Thermistor OUT(10K)
COND-Temp	Thermistor COND(10K)	DISCHARGE-Temp	Thermistor DISCHARGE(200K)
OLP-Temp	Thermistor OLP(200K)	SUCTION-TEMP	Thermistor SUCTION(10K)
D_TUBE-TEMP	Thermistor SUB-COOLER(10K)		

NOTES

1. This wiring diagram applies only to the Outdoor unit.
2. Symbols show as follow :
   blk: black, red: red, blu: blue, wht: white, yel: yellow, brn: brown, sky: skyblue, grn: green
3. For connection wiring indoor-outdoor transmission F1-F2, indoor-wired remote controller transmission F3-F4.
4. ⏚ Protective earth(SCREW)

2. Outdoor Units

2-5. Sound data

Summary

Capacity (kW)	Model	Sound Pressure dB(A)		Sound Power dB(A)
		Cooling	Heating	
4.4	AE044MXTPEH/EU	46	47	65
6.6	AE066MXTPEH/EU	47	48	67
9.0	AE090MXTP✕H/EU	50	51	69
12.0	AE120MXTP✕H/EU	51	52	70
16.0	AE160MXTP✕H/EU	54	55	73

NOTE

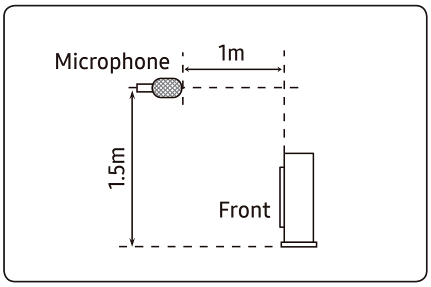
- Specifications may be subject to change without prior notice.
- Sound Pressure Level
  - Sound pressure level is obtained in an anechoic room.
  - Sound pressure level is a relative value, depending on the distance and acoustic environment.
  - Sound pressure level may differ depending on operation condition.
  - dBA = A-weighted sound pressure level
  - Reference acoustic pressure 0 dB = 20µPa
- 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.

2. Outdoor Units

2-5. Sound data

Sound Pressure level

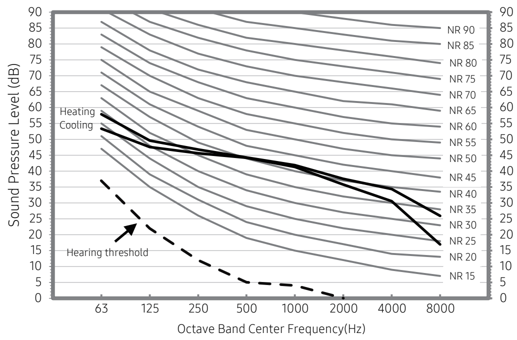
Unit: dB(A)



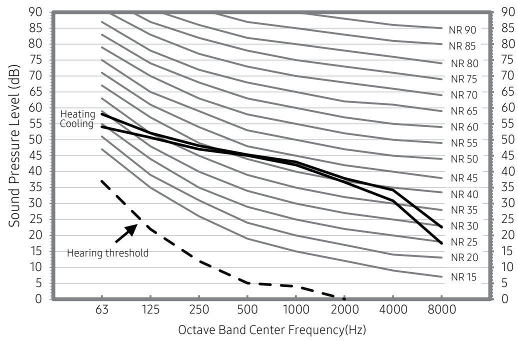
Model	Cooling	Heating
AE044MXTPEH✱✱	46	47
AE066MXTPEH✱✱	47	48
AE090MXTP✱H✱✱	50	51
AE120MXTP✱H✱✱	51	52
AE160MXTP✱H✱✱	54	55

- NR Curve

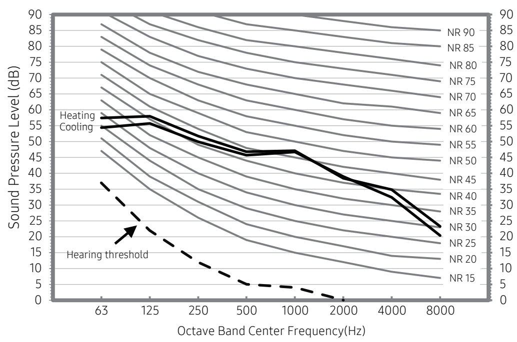
1) AE044MXTPEH✱✱



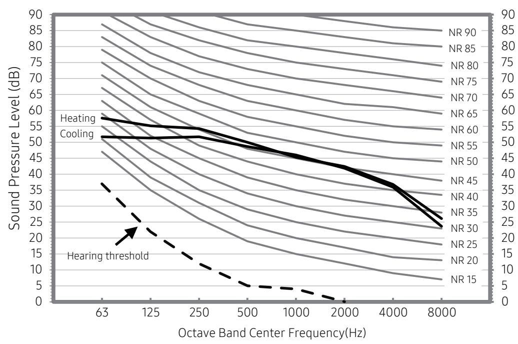
2) AE066MXTPEH✱✱



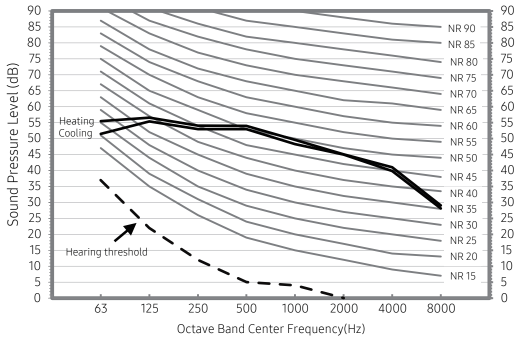
3) AE090MXTP✱H✱✱



4) AE120MXTP✱H✱✱



5) AE160MXTP✱H✱✱



2. Outdoor Units

2-5. Sound data

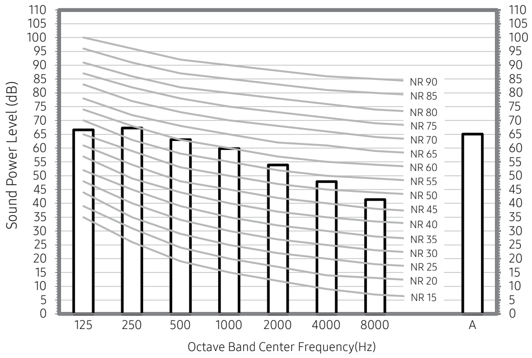
Sound Power level

NOTE

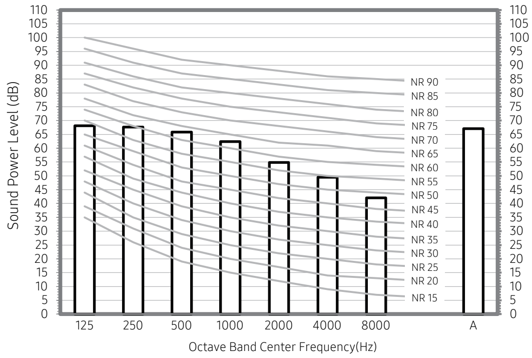
- Specifications may be subject to change without prior notice
  - Sound power level is an absolute value that a sound source generates.
  - dBA = A-weighted sound power level.
  - Reference power : 1pW.
  - Measured according to ISO 3741.

Model	Power (dBA)
AE044MXTPEH✱✱	65
AE066MXTPEH✱✱	67
AE090MXTP✱H✱✱	69
AE120MXTP✱H✱✱	70
AE160MXTP✱H✱✱	73

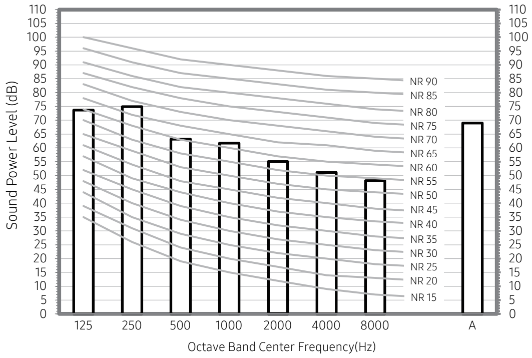
1) AE044MXTPEH✱✱



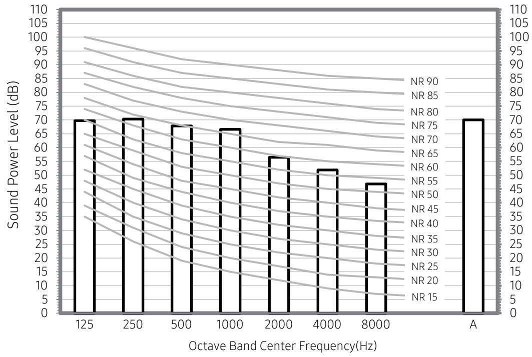
2) AE066MXTPEH✱✱



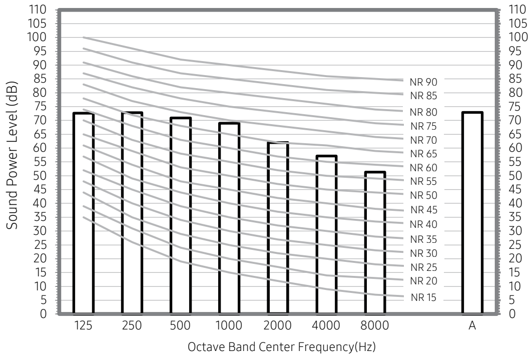
3) AE090MXTP✱H✱✱



4) AE120MXTP✱H✱✱



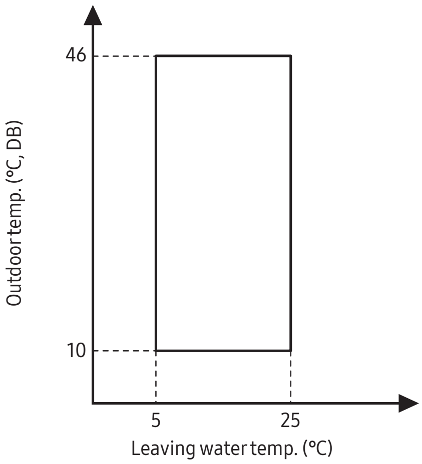
5) AE160MXTP✱H✱✱



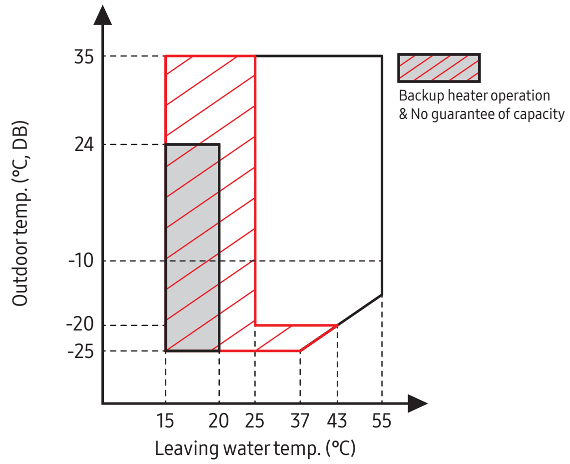
2. Outdoor Units

2-6. Operation range

1) Cooling



2) Heating



MONO Outdoor Unit		Water Temp. (°C)			Water Flow Rates (LPM)			Air Temp. (°C, DB/WB)		
		Min	Std	Max	Min	Std	Max	Min	Std	Max
Controller	Cooling	5	-	25						
	Heating	15	-	55						
Cooling	Inlet	-	23 (12*2)	30	12 (7*1)	Δ 5°C	58 (48*1)	10/-	35/24	46/28
	Outlet	5	18 (7*2)	25						
Heating	Inlet	5	30 (40*2)	-				-25/-	7/6 (-7/-8*3)	35/24
	Outlet	25 (15*4)	35 (45*2)	55						

*1) Model : AE044/066/090MXTP✱H

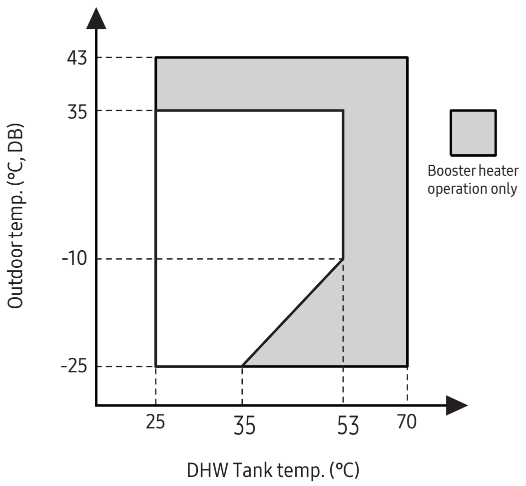
*2) Eurovent Test Condition #2

*3) NF PAC Low Temp. Heating Condition.

*4) Back up heater operation.

※ Operation of outdoor unit possible, but no guarantee of capacity in this condition.

3) DHW (Domestic Hot Water Tank)

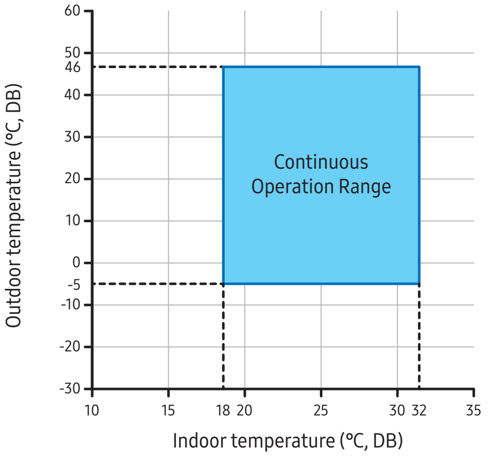


※ Special condition(35°C ‹ Outdoor temp. ≤ 43°C) is operated by only Booster Heater.
SAMSUNG doesn't supply DHW for EHS TDM.
Since it is a reference data, you have to check DHW operation range for yours.

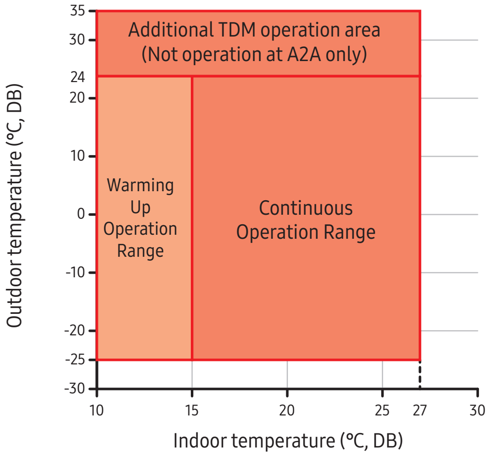
2-6. Operation range

Air to Air

1) Cooling



2) Heating



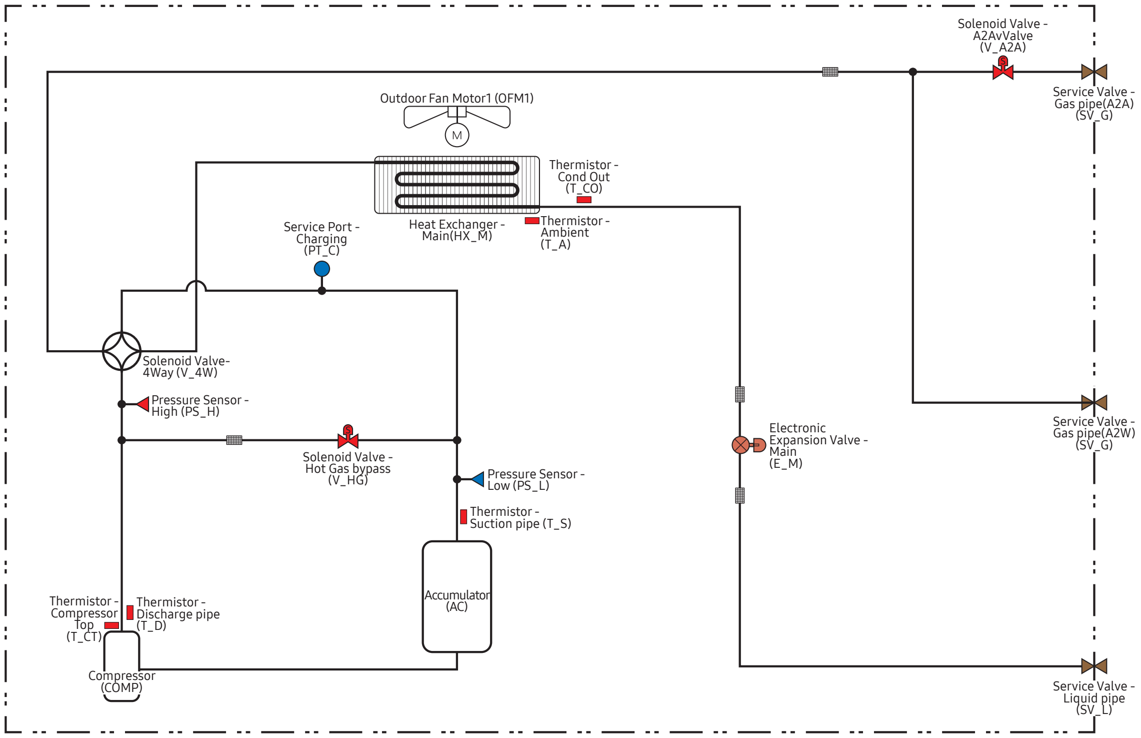
NOTE

- The standardized temperature for heating is 7°C DB. If the outdoor temperature drops to 0°C DB or below, the heating capacity can be reduced depending on the temperature condition.
- The use of the air conditioner at a relative humidity above the expected one (80%) may cause the formation of condensate and the leakage of water drops on the floor.
- When A2A and A2W are in TDM operation, the heating temperature can be set to up to 35 °C.

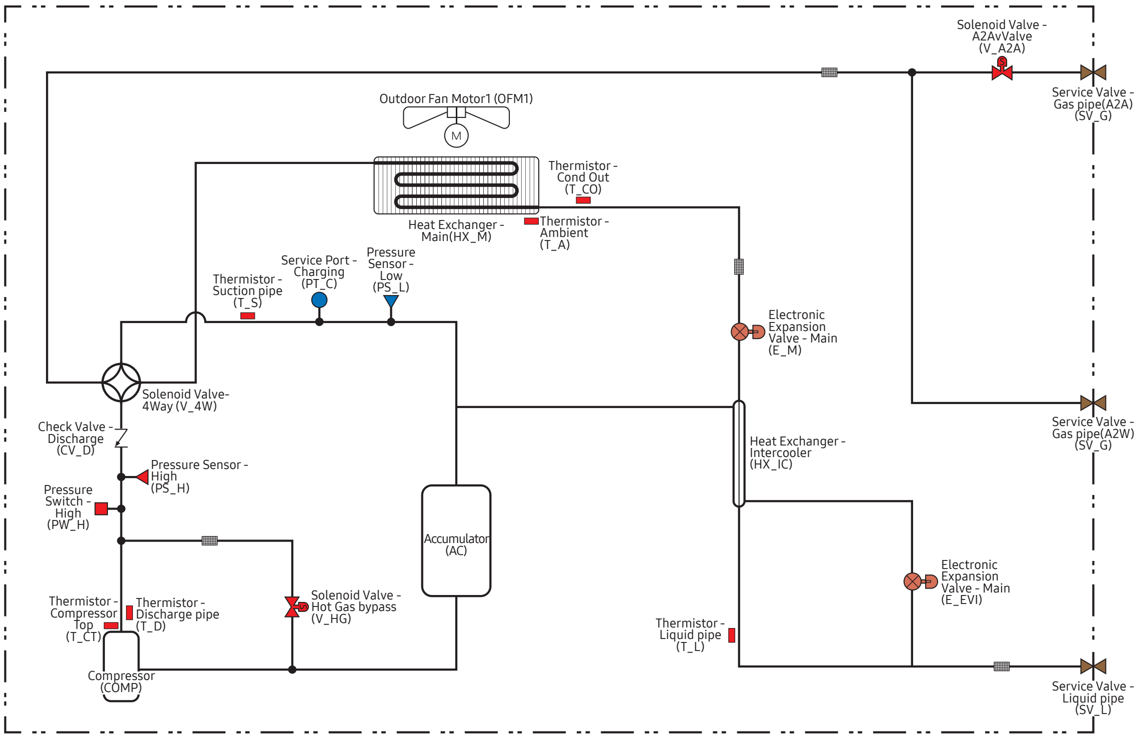
2. Outdoor Units

2-7. Piping diagram

AE044/066MXTPEH/EU

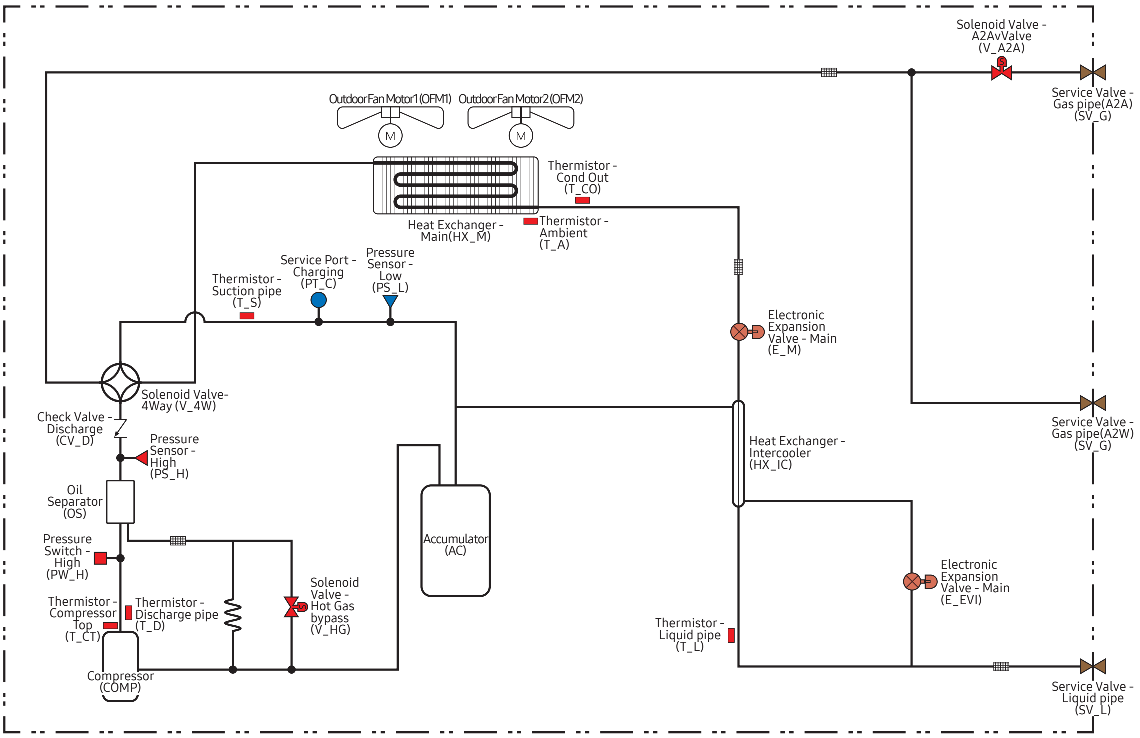


AE090MXTP✱H/EU



2-7. Piping diagram

AE120/160MXTP✲H/EU



2. Outdoor Units

2-8. Capacity table (A2W)

AE044/066/090/120/160MXTP⁎H/EU

1) Maximum Heating Capacity (Peak Value)

LWT (Leaving Water Temp.), Tamb (Ambient Temp.), HC (Heating Capacity), PI (Power input)

	LWT (°C)	25		30		35		40		45		50		55	
AE044MXTPEH/EU	Tamb (°C)	HC(kW)	PI(kW)	HC(kW)	PI(kW)	HC(kW)	PI(kW)	HC(kW)	PI(kW)	HC(kW)	PI(kW)	HC(kW)	PI(kW)	HC(kW)	PI(kW)
	-20	3.51	1.24	3.41	1.33	3.25	1.50	3.13	1.60	3.00	1.76				
	-15	4.04	1.33	3.93	1.42	3.74	1.60	3.63	1.70	3.53	1.80	3.42	1.89		
	-10	4.32	1.24	4.20	1.32	4.00	1.49	3.88	1.69	3.76	1.89	3.65	1.98	3.39	2.17
	-7	4.21	1.15	4.10	1.24	3.90	1.39	3.82	1.57	3.73	1.75	3.58	1.77	3.43	1.80
	-2	4.36	1.07	4.24	1.14	4.03	1.28	3.88	1.41	3.72	1.53	3.53	1.72	3.35	1.91
	2	4.50	0.98	4.38	1.05	4.17	1.18	3.94	1.24	3.70	1.31	3.52	1.48	3.33	1.64
	7	4.75	0.77	4.62	0.83	4.40	0.93	4.20	1.05	4.00	1.16	3.91	1.27	3.83	1.37
	10	5.19	0.78	5.05	0.83	4.81	0.94	4.63	1.06	4.46	1.18	4.23	1.32	4.01	1.47
	15	5.92	0.79	5.76	0.85	5.48	0.95	5.35	1.06	5.22	1.20	4.96	1.35	4.70	1.50
	20	6.65	0.80	6.47	0.86	6.16	0.97	6.07	1.09	5.98	1.23	5.68	1.38	5.39	1.54
AE066MXTPEH/EU	LWT (°C)	25		30		35		40		45		50		55	
	Tamb (°C)	HC(kW)	PI(kW)	HC(kW)	PI(kW)	HC(kW)	PI(kW)	HC(kW)	PI(kW)	HC(kW)	PI(kW)	HC(kW)	PI(kW)	HC(kW)	PI(kW)
	-20	5.27	1.97	5.12	2.11	4.88	2.37	4.69	2.53	4.50	2.79				
	-15	6.06	2.10	5.89	2.25	5.61	2.53	5.45	2.69	5.29	2.84	5.14	2.99		
	-10	6.49	1.95	6.31	2.09	6.01	2.35	5.83	2.67	5.65	2.99	5.48	3.14	5.08	3.43
	-7	6.16	1.69	5.99	1.82	5.70	2.04	5.58	2.30	5.46	2.56	4.82	2.47	4.19	2.38
	-2	6.34	1.60	6.16	1.72	5.87	1.93	5.64	2.12	5.41	2.30	5.14	2.59	4.87	2.87
	2	6.53	1.51	6.34	1.62	6.04	1.82	5.71	1.93	5.37	2.03	5.10	2.29	4.83	2.54
	7	7.13	1.22	6.93	1.31	6.60	1.47	6.35	1.65	6.10	1.83	5.45	1.84	4.80	1.85
	10	7.79	1.23	7.57	1.32	7.21	1.48	6.99	1.67	6.76	1.86	6.43	2.09	6.09	2.32
	15	8.88	1.25	8.64	1.34	8.22	1.50	8.05	1.68	7.87	1.90	7.48	2.14	7.08	2.37
	20	9.98	1.27	9.70	1.36	9.24	1.53	9.11	1.72	8.98	1.94	8.53	2.18	8.08	2.43
AE090MXTPEH/EU	LWT (°C)	25		30		35		40		45		50		55	
	Tamb (°C)	HC(kW)	PI(kW)	HC(kW)	PI(kW)	HC(kW)	PI(kW)	HC(kW)	PI(kW)	HC(kW)	PI(kW)	HC(kW)	PI(kW)	HC(kW)	PI(kW)
	-20	7.18	2.83	6.98	3.04	6.65	3.41	6.39	3.64	6.14	4.02				
	-15	8.26	3.03	8.03	3.25	7.65	3.65	7.43	3.87	7.22	4.10	7.00	4.31		
	-10	8.85	2.82	8.60	3.02	8.19	3.39	7.94	3.85	7.70	4.31	7.47	4.52	6.93	4.95
	-7	7.99	2.20	7.77	2.36	7.40	2.65	7.24	2.99	7.09	3.33	6.80	3.38	6.52	3.42
	-2	8.33	2.06	8.10	2.21	7.71	2.48	7.41	2.72	7.11	2.96	6.75	3.32	6.40	3.69
	2	8.66	1.92	8.42	2.06	8.02	2.31	7.58	2.45	7.13	2.58	6.77	2.90	6.42	3.22
	7	9.72	1.76	9.45	1.89	9.00	2.12	8.50	2.25	8.00	2.38	7.83	2.60	7.66	2.82
	10	10.62	1.77	10.32	1.90	9.83	2.14	9.40	2.31	8.98	2.48	8.53	2.79	8.08	3.10
	15	12.11	1.80	11.78	1.93	11.22	2.17	10.91	2.37	10.61	2.64	10.08	2.97	9.55	3.30
	20	13.61	1.83	13.23	1.96	12.60	2.20	12.42	2.48	12.24	2.80	11.63	3.15	11.02	3.50
AE090MXTPGH/EU	LWT (°C)	25		30		35		40		45		50		55	
	Tamb (°C)	HC(kW)	PI(kW)	HC(kW)	PI(kW)	HC(kW)	PI(kW)	HC(kW)	PI(kW)	HC(kW)	PI(kW)	HC(kW)	PI(kW)	HC(kW)	PI(kW)
	-20	7.18	2.83	6.98	3.04	6.65	3.41	6.39	3.64	6.14	4.02				
	-15	8.26	3.03	8.03	3.25	7.65	3.65	7.43	3.87	7.22	4.10	7.00	4.31		
	-10	8.85	2.82	8.60	3.02	8.19	3.39	7.94	3.85	7.70	4.31	7.47	4.52	6.93	4.95
	-7	7.99	2.20	7.77	2.36	7.40	2.65	7.24	2.99	7.09	3.33	6.80	3.38	6.52	3.42
	-2	8.33	2.06	8.10	2.21	7.71	2.48	7.41	2.72	7.11	2.96	6.75	3.32	6.40	3.69
	2	8.66	1.92	8.42	2.06	8.02	2.31	7.58	2.45	7.13	2.58	6.77	2.90	6.42	3.22
	7	9.72	1.76	9.45	1.89	9.00	2.12	8.65	2.31	8.30	2.50	8.12	2.73	7.95	2.96
	10	10.62	1.77	10.32	1.90	9.83	2.14	9.52	2.35	9.21	2.57	8.75	2.89	8.29	3.21
	15	12.11	1.80	11.78	1.93	11.22	2.17	10.97	2.39	10.72	2.68	10.19	3.02	9.65	3.36
	20	13.61	1.83	13.23	1.96	12.60	2.20	12.42	2.48	12.24	2.80	11.63	3.15	11.02	3.50
AE120MXTP⁎H/EU	LWT (°C)	25		30		35		40		45		50		55	
	Tamb (°C)	HC(kW)	PI(kW)	HC(kW)	PI(kW)	HC(kW)	PI(kW)	HC(kW)	PI(kW)	HC(kW)	PI(kW)	HC(kW)	PI(kW)	HC(kW)	PI(kW)
	-20	9.58	3.64	9.31	3.90	8.87	4.38	8.52	4.67	8.18	5.16				
	-15	11.02	3.88	10.71	4.16	10.20	4.68	9.91	4.97	9.63	5.26	9.34	5.53		
	-10	11.79	3.61	11.47	3.87	10.92	4.35	10.59	4.94	10.26	5.53	9.96	5.80	9.24	6.36
	-7	11.45	2.96	11.13	3.18	10.60	3.57	10.37	4.03	10.15	4.49	9.74	4.55	9.33	4.61
	-2	11.91	2.88	11.58	3.09	11.03	3.47	10.60	3.79	10.17	4.12	9.66	4.64	9.15	5.15
	2	12.38	2.79	12.03	2.99	11.46	3.36	10.82	3.56	10.19	3.75	9.68	4.22	9.17	4.69
	7	12.96	2.26	12.60	2.42	12.00	2.72	11.60	3.01	11.20	3.30	10.96	3.61	10.72	3.91
	10	14.16	2.28	13.76	2.44	13.11	2.74	12.74	3.06	12.38	3.37	11.76	3.79	11.14	4.21
	15	16.15	2.31	15.70	2.48	14.95	2.78	14.65	3.09	14.35	3.48	13.63	3.91	12.92	4.35
	20	18.14	2.34	17.64	2.51	16.80	2.82	16.56	3.18	16.32	3.59	15.50	4.04	14.69	4.49
AE160MXTP⁎H/EU	LWT (°C)	25		30		35		40		45		50		55	
	Tamb (°C)	HC(kW)	PI(kW)	HC(kW)	PI(kW)	HC(kW)	PI(kW)	HC(kW)	PI(kW)	HC(kW)	PI(kW)	HC(kW)	PI(kW)	HC(kW)	PI(kW)
	-20	12.47	5.28	12.12	5.66	11.54	6.36	11.10	6.79	10.65	7.49				
	-15	14.34	5.64	13.94	6.05	13.28	6.79	12.91	7.22	12.53	7.64	12.16	8.03		
	-10	15.55	5.25	15.12	5.62	14.40	6.32	13.97	7.17	13.54	8.03	13.13	8.43	12.18	9.23
	-7	15.12	4.25	14.70	4.56	14.00	5.12	13.70	5.78	13.40	6.44	12.87	6.52	12.33	6.61
	-2	15.27	3.98	14.84	4.27	14.14	4.80	13.59	5.26	13.04	5.72	12.39	6.43	11.74	7.15
	2	15.41	3.72	14.98	3.99	14.27	4.48	13.48	4.74	12.69	5.00	12.05	5.62	11.42	6.24
	7	17.28	3.28	16.80	3.52	16.00	3.95	15.50	4.33	15.00	4.71	14.80	5.02	14.60	5.32
	10	18.88	3.31	18.35	3.55	17.48	3.98	17.02	4.41	16.56	4.83	15.73	5.43	14.90	6.03
	15	21.53	3.35	20.94	3.60	19.94	4.04	19.55	4.46	19.16	5.02	18.20	5.65	17.24	6.28
	20	24.19	3.40	23.52	3.65	22.40	4.10	22.08	4.61	21.76	5.22	20.67	5.87	19.58	6.52

1. Heating capacity : Capacity is according to Eurovent rating standard OM-3-2015 and valid for heated water range △t = 3~8°C
2. Cooling capacity : Capacity is according to Eurovent rating standard OM-3-2015 and valid for chilled water range △t = 3~8°C
3. Power input : Power input is according to Eurovent rating standard OM-3-2015.
4. Peak value : Tested without defrost operation in accordance with EN14511

※ The real capacity would be changed according to the install environment.

2. Outdoor Units

2-8. Capacity table (A2W)

AE044/066/090/120/160MXTP※H/EU

2) Maximum Heating Capacity (Integrated Value)

LWT (Leaving Water Temp.), Tamb (Ambient Temp.), HC (Heating Capacity), PI (Power input)

	LWT (°C)	25		30		35		40		45		50		55	
AE044MXTPEH/EU	Tamb (°C)	HC(kW)	PI(kW)	HC(kW)	PI(kW)	HC(kW)	PI(kW)	HC(kW)	PI(kW)	HC(kW)	PI(kW)	HC(kW)	PI(kW)	HC(kW)	PI(kW)
	-20	3.51	1.24	3.41	1.33	3.25	1.50	3.13	1.60	3.00	1.76				
	-15	4.04	1.33	3.93	1.42	3.74	1.60	3.63	1.70	3.53	1.80	3.42	1.89		
	-10	4.32	1.24	4.20	1.32	4.00	1.49	3.88	1.69	3.76	1.89	3.65	1.98	3.39	2.17
	-7	4.04	1.11	3.93	1.19	3.74	1.33	3.66	1.51	3.58	1.68	3.44	1.70	3.30	1.72
	-2	4.18	1.02	4.07	1.10	3.87	1.23	3.72	1.35	3.57	1.47	3.39	1.65	3.21	1.84
	2	4.32	0.94	4.20	1.01	4.00	1.13	3.78	1.20	3.56	1.26	3.38	1.42	3.20	1.58
	7	4.75	0.77	4.62	0.83	4.40	0.93	4.20	1.05	4.00	1.16	3.91	1.27	3.83	1.37
	10	5.19	0.78	5.05	0.83	4.81	0.94	4.63	1.06	4.46	1.18	4.23	1.32	4.01	1.47
	15	5.92	0.79	5.76	0.85	5.48	0.95	5.35	1.06	5.22	1.20	4.96	1.35	4.70	1.50
	20	6.65	0.80	6.47	0.86	6.16	0.97	6.07	1.09	5.98	1.23	5.68	1.38	5.39	1.54
AE066MXTPEH/EU	LWT (°C)	25		30		35		40		45		50		55	
	Tamb (°C)	HC(kW)	PI(kW)	HC(kW)	PI(kW)	HC(kW)	PI(kW)	HC(kW)	PI(kW)	HC(kW)	PI(kW)	HC(kW)	PI(kW)	HC(kW)	PI(kW)
	-20	5.27	1.97	5.12	2.11	4.88	2.37	4.69	2.53	4.50	2.79				
	-15	6.06	2.10	5.89	2.25	5.61	2.53	5.45	2.69	5.29	2.84	5.14	2.99		
	-10	6.36	1.95	6.18	2.09	5.89	2.35	5.71	2.67	5.53	2.99	5.37	3.14	4.98	3.43
	-7	5.91	1.63	5.75	1.74	5.47	1.96	5.36	2.21	5.24	2.46	4.63	2.37	4.02	2.28
	-2	6.09	1.54	5.92	1.65	5.64	1.85	5.42	2.03	5.20	2.21	4.94	2.48	4.68	2.76
	2	6.26	1.45	6.09	1.56	5.80	1.75	5.48	1.85	5.16	1.95	4.90	2.20	4.64	2.44
	7	7.13	1.22	6.93	1.31	6.60	1.47	6.35	1.65	6.10	1.83	5.45	1.84	4.80	1.85
	10	7.79	1.23	7.57	1.32	7.21	1.48	6.99	1.67	6.76	1.86	6.43	2.09	6.09	2.32
	15	8.88	1.25	8.64	1.34	8.22	1.50	8.05	1.68	7.87	1.90	7.48	2.14	7.08	2.37
	20	9.98	1.27	9.70	1.36	9.24	1.53	9.11	1.72	8.98	1.94	8.53	2.18	8.08	2.43
AE090MXTPEH/EU	LWT (°C)	25		30		35		40		45		50		55	
	Tamb (°C)	HC(kW)	PI(kW)	HC(kW)	PI(kW)	HC(kW)	PI(kW)	HC(kW)	PI(kW)	HC(kW)	PI(kW)	HC(kW)	PI(kW)	HC(kW)	PI(kW)
	-20	7.18	2.83	6.98	3.04	6.65	3.41	6.39	3.64	6.14	4.02				
	-15	8.26	3.03	8.03	3.25	7.65	3.65	7.43	3.87	7.22	4.10	7.00	4.31		
	-10	8.85	2.82	8.60	3.02	8.19	3.39	7.94	3.85	7.70	4.31	7.47	4.52	6.93	4.95
	-7	7.67	2.11	7.46	2.26	7.10	2.54	6.95	2.87	6.80	3.20	6.53	3.24	6.26	3.29
	-2	7.99	1.98	7.77	2.12	7.40	2.38	7.11	2.61	6.82	2.84	6.48	3.19	6.14	3.55
	2	8.32	1.84	8.09	1.98	7.70	2.22	7.27	2.35	6.84	2.48	6.50	2.79	6.16	3.10
	7	9.72	1.76	9.45	1.89	9.00	2.12	8.50	2.25	8.00	2.38	7.83	2.60	7.66	2.82
	10	10.62	1.77	10.32	1.90	9.83	2.14	9.40	2.31	8.98	2.48	8.53	2.79	8.08	3.10
	15	12.11	1.80	11.78	1.93	11.22	2.17	10.91	2.37	10.61	2.64	10.08	2.97	9.55	3.30
	20	13.61	1.83	13.23	1.96	12.60	2.20	12.42	2.48	12.24	2.80	11.63	3.15	11.02	3.50
AE090MXTPGH/EU	LWT (°C)	25		30		35		40		45		50		55	
	Tamb (°C)	HC(kW)	PI(kW)	HC(kW)	PI(kW)	HC(kW)	PI(kW)	HC(kW)	PI(kW)	HC(kW)	PI(kW)	HC(kW)	PI(kW)	HC(kW)	PI(kW)
	-20	7.18	2.83	6.98	3.04	6.65	3.41	6.39	3.64	6.14	4.02				
	-15	8.26	3.03	8.03	3.25	7.65	3.65	7.43	3.87	7.22	4.10	7.00	4.31		
	-10	8.85	2.82	8.60	3.02	8.19	3.39	7.94	3.85	7.70	4.31	7.47	4.52	6.93	4.95
	-7	7.67	2.11	7.46	2.26	7.10	2.54	6.95	2.87	6.80	3.20	6.53	3.24	6.26	3.29
	-2	7.99	1.98	7.77	2.12	7.40	2.38	7.11	2.61	6.82	2.84	6.48	3.19	6.14	3.55
	2	8.32	1.84	8.09	1.98	7.70	2.22	7.27	2.35	6.84	2.48	6.50	2.79	6.16	3.10
	7	9.72	1.76	9.45	1.89	9.00	2.12	8.65	2.31	8.30	2.50	8.12	2.73	7.95	2.96
	10	10.62	1.77	10.32	1.90	9.83	2.14	9.52	2.35	9.21	2.57	8.75	2.89	8.29	3.21
	15	12.11	1.80	11.78	1.93	11.22	2.17	10.97	2.39	10.72	2.68	10.19	3.02	9.65	3.36
	20	13.61	1.83	13.23	1.96	12.60	2.20	12.42	2.48	12.24	2.80	11.63	3.15	11.02	3.50
AE120MXTP※H/EU	LWT (°C)	25		30		35		40		45		50		55	
	Tamb (°C)	HC(kW)	PI(kW)	HC(kW)	PI(kW)	HC(kW)	PI(kW)	HC(kW)	PI(kW)	HC(kW)	PI(kW)	HC(kW)	PI(kW)	HC(kW)	PI(kW)
	-20	9.58	3.64	9.31	3.90	8.87	4.38	8.52	4.67	8.18	5.16				
	-15	11.02	3.88	10.71	4.16	10.20	4.68	9.91	4.97	9.63	5.26	9.34	5.53		
	-10	11.79	3.61	11.47	3.87	10.92	4.35	10.59	4.94	10.26	5.53	9.96	5.80	9.24	6.36
	-7	10.99	2.84	10.68	3.05	10.18	3.43	9.96	3.87	9.74	4.31	9.35	4.37	8.96	4.43
	-2	11.44	2.76	11.12	2.96	10.59	3.33	10.17	3.64	9.76	3.96	9.27	4.45	8.78	4.94
	2	11.88	2.68	11.55	2.87	11.00	3.23	10.39	3.42	9.78	3.60	9.29	4.05	8.80	4.50
	7	12.96	2.26	12.60	2.42	12.00	2.72	11.60	3.01	11.20	3.30	10.96	3.61	10.72	3.91
	10	14.16	2.28	13.76	2.44	13.11	2.74	12.74	3.06	12.38	3.37	11.76	3.79	11.14	4.21
	15	16.15	2.31	15.70	2.48	14.95	2.78	14.65	3.09	14.35	3.48	13.63	3.91	12.92	4.35
	20	18.14	2.34	17.64	2.51	16.80	2.82	16.56	3.18	16.32	3.59	15.50	4.04	14.69	4.49
AE160MXTP※H/EU	LWT (°C)	25		30		35		40		45		50		55	
	Tamb (°C)	HC(kW)	PI(kW)	HC(kW)	PI(kW)	HC(kW)	PI(kW)	HC(kW)	PI(kW)	HC(kW)	PI(kW)	HC(kW)	PI(kW)	HC(kW)	PI(kW)
	-20	12.47	5.28	12.12	5.66	11.54	6.36	11.10	6.79	10.65	7.49				
	-15	14.34	5.64	13.94	6.05	13.28	6.79	12.91	7.22	12.53	7.64	12.16	8.03		
	-10	15.55	5.25	15.12	5.62	14.40	6.32	13.97	7.17	13.54	8.03	13.13	8.43	12.18	9.23
	-7	14.52	4.08	14.11	4.37	13.44	4.92	13.15	5.55	12.87	6.18	12.35	6.26	11.84	6.35
	-2	14.66	3.82	14.25	4.10	13.57	4.61	13.05	5.05	12.52	5.49	11.90	6.17	11.27	6.86
	2	14.80	3.57	14.39	3.83	13.70	4.30	12.94	4.55	12.18	4.80	11.57	5.40	10.96	6.00
	7	17.28	3.28	16.80	3.52	16.00	3.95	15.50	4.33	15.00	4.71	14.80	5.02	14.60	5.32
	10	18.88	3.31	18.35	3.55	17.48	3.98	17.02	4.41	16.56	4.83	15.73	5.43	14.90	6.03
	15	21.53	3.35	20.94	3.60	19.94	4.04	19.55	4.46	19.16	5.02	18.20	5.65	17.24	6.28
	20	24.19	3.40	23.52	3.65	22.40	4.10	22.08	4.61	21.76	5.22	20.67	5.87	19.58	6.52

1. Heating capacity : Capacity is according to Eurovent rating standard OM-3-2015 and valid for heated water range △t = 3~8°C
2. Cooling capacity : Capacity is according to Eurovent rating standard OM-3-2015 and valid for chilled water range △t = 3~8°C
3. Power input : Power input is according to Eurovent rating standard OM-3-2015.
4. Integrated value : Tested with defrost operation in accordance with EN14511

※ The real capacity would be changed according to the install environment.

2. Outdoor Units

2-8. Capacity table (A2W)

AE044/066/090/120/160MXTP✱H/EU

3) Cooling Capacity

LWT (Leaving Water Temp.), Tamb (Ambient Temp.), CC (Cooling Capacity), PI (Power input)

	LWT (°C)	7		10		13		15		18		25	
	Tamb (°C)	HC(kW)	PI(kW)	HC(kW)	PI(kW)	HC(kW)	PI(kW)	HC(kW)	PI(kW)	HC(kW)	PI(kW)	HC(kW)	PI(kW)
AE044MXTPEH/EU	10	4.31	0.79	4.76	0.79	5.20	0.79	5.50	0.79	5.92	0.79	6.97	0.79
	20	3.99	0.89	4.41	0.89	4.85	0.89	5.18	0.89	5.61	0.89	6.61	0.89
	30	3.64	0.98	4.09	0.98	4.55	0.98	4.80	0.98	5.25	0.98	6.30	0.98
	35	3.50	1.03	3.94	1.03	4.37	1.03	4.66	1.03	5.10	1.03	6.12	1.03
	46	3.15	1.13	3.58	1.13	4.02	1.13	4.29	1.13	4.74	1.13	5.75	1.13
	LWT (°C)	7		10		13		15		18		25	
	Tamb (°C)	HC(kW)	PI(kW)	HC(kW)	PI(kW)	HC(kW)	PI(kW)	HC(kW)	PI(kW)	HC(kW)	PI(kW)	HC(kW)	PI(kW)
AE066MXTPEH/EU	10	6.89	1.38	7.14	1.31	7.38	1.25	7.55	1.20	7.77	1.14	8.44	0.99
	20	6.38	1.54	6.61	1.47	6.88	1.39	7.10	1.35	7.37	1.27	7.99	1.10
	30	5.82	1.70	6.14	1.62	6.45	1.54	6.59	1.49	6.90	1.41	7.62	1.22
	35	5.60	1.79	5.90	1.71	6.20	1.62	6.40	1.56	6.70	1.48	7.40	1.28
	46	5.04	1.97	5.37	1.88	5.70	1.78	5.89	1.72	6.23	1.63	6.96	1.41
	LWT (°C)	7		10		13		15		18		25	
	Tamb (°C)	HC(kW)	PI(kW)	HC(kW)	PI(kW)	HC(kW)	PI(kW)	HC(kW)	PI(kW)	HC(kW)	PI(kW)	HC(kW)	PI(kW)
AE090MXTPEH/E	10	7.39	1.22	8.07	1.25	8.77	1.26	9.18	1.27	9.92	1.28	11.43	1.32
	20	6.66	1.45	7.32	1.46	8.01	1.48	8.45	1.49	9.12	1.52	10.67	1.55
	30	5.94	1.68	6.63	1.70	7.25	1.71	7.71	1.72	8.40	1.74	9.91	1.77
	35	5.60	1.79	6.25	1.81	6.91	1.82	7.35	1.83	8.00	1.85	9.53	1.89
	46	4.82	2.04	5.44	2.06	6.08	2.06	6.54	2.09	7.20	2.11	8.67	2.13
	LWT (°C)	7		10		13		15		18		25	
	Tamb (°C)	HC(kW)	PI(kW)	HC(kW)	PI(kW)	HC(kW)	PI(kW)	HC(kW)	PI(kW)	HC(kW)	PI(kW)	HC(kW)	PI(kW)
AE090MXTPGH/EU	10	7.52	1.19	8.16	1.23	8.83	1.25	9.22	1.26	9.92	1.28	11.36	1.35
	20	6.78	1.42	7.40	1.44	8.07	1.47	8.48	1.48	9.12	1.53	10.60	1.58
	30	6.04	1.65	6.71	1.67	7.30	1.70	7.74	1.72	8.40	1.75	9.84	1.81
	35	5.70	1.75	6.33	1.78	6.95	1.81	7.37	1.83	8.00	1.86	9.46	1.93
	46	4.90	2.00	5.50	2.03	6.12	2.05	6.56	2.09	7.20	2.12	8.61	2.18
	LWT (°C)	7		10		13		15		18		25	
	Tamb (°C)	HC(kW)	PI(kW)	HC(kW)	PI(kW)	HC(kW)	PI(kW)	HC(kW)	PI(kW)	HC(kW)	PI(kW)	HC(kW)	PI(kW)
AE120MXTP✱H/EU	10	11.35	1.90	12.29	1.95	13.28	1.97	13.84	1.98	14.88	2.00	17.00	2.08
	20	10.23	2.26	11.15	2.28	12.13	2.31	12.73	2.32	13.68	2.38	15.86	2.44
	30	9.12	2.62	10.10	2.65	10.98	2.68	11.63	2.70	12.60	2.73	14.73	2.79
	35	8.60	2.79	9.53	2.82	10.45	2.85	11.07	2.87	12.00	2.90	14.16	2.97
	46	7.40	3.18	8.29	3.21	9.20	3.22	9.85	3.27	10.80	3.31	12.89	3.36
	LWT (°C)	7		10		13		15		18		25	
	Tamb (°C)	HC(kW)	PI(kW)	HC(kW)	PI(kW)	HC(kW)	PI(kW)	HC(kW)	PI(kW)	HC(kW)	PI(kW)	HC(kW)	PI(kW)
AE160MXTP✱H/EU	10	13.46	2.42	14.67	2.51	15.93	2.56	16.66	2.60	17.98	2.65	20.68	2.81
	20	12.14	2.88	13.31	2.95	14.55	3.01	15.33	3.05	16.53	3.15	19.30	3.29
	30	10.81	3.35	12.06	3.42	13.17	3.49	13.99	3.54	15.23	3.61	17.93	3.78
	35	10.20	3.56	11.37	3.64	12.55	3.71	13.33	3.76	14.50	3.84	17.24	4.02
	46	8.77	4.06	9.89	4.15	11.04	4.20	11.86	4.29	13.05	4.38	15.69	4.54

1. Heating capacity is according to Eurovent rating standard OM-3-2015 and valid for heated water range △t = 3~8°C
2. Cooling capacity is according to Eurovent rating standard OM-3-2015 and valid for chilled water range △t = 3~8°C
3. Power input is total of indoor and outdoor unit, according to Eurovent rating standard OM-3-2015.

※ The real capacity would be changed according to the install environment.

2. Outdoor Units

2-8. Capacity table (A2A)

AE044MXTPEH/EU

Heating

Combination % (Capacity index)	Outdoor temperature (°C)		Indoor temperature (DB, °C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	DB	WB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
100%	-20	-20	3.8	1.60	3.7	1.70	3.7	1.80	3.7	1.80	3.7	1.80	3.7	1.80
	-19	-19	3.9	1.70	3.9	1.70	3.8	1.80	3.9	1.80	3.9	1.80	3.9	1.80
	-17	-17	4.1	1.70	4.1	1.80	4.0	1.80	4.1	1.80	4.1	1.80	4.1	1.90
	-15	-15	4.4	1.80	4.4	1.80	4.3	1.90	4.3	1.90	4.3	2.00	4.1	1.80
	-13	-13	4.6	1.80	4.6	1.90	4.5	1.90	4.6	2.00	4.4	1.80	4.1	1.70
	-11	-11	4.9	1.90	4.9	1.90	4.6	1.90	4.6	1.80	4.4	1.70	4.1	1.60
	-10	-10	4.9	1.80	4.9	1.80	4.6	1.80	4.6	1.70	4.4	1.60	4.1	1.50
	-9	-9	5.1	1.80	5.0	1.80	4.6	1.70	4.6	1.60	4.4	1.60	4.1	1.40
	-7	-8	5.3	1.80	5.0	1.80	4.6	1.60	4.6	1.60	4.4	1.50	4.1	1.40
	-5	-6	5.3	1.80	5.0	1.70	4.6	1.60	4.6	1.50	4.4	1.40	4.1	1.30
	-3	-4	5.3	1.60	5.0	1.50	4.6	1.40	4.6	1.40	4.4	1.30	4.1	1.20
	0	-1	5.3	1.50	5.0	1.40	4.6	1.30	4.6	1.30	4.4	1.20	4.1	1.10
	3	2	5.3	1.40	5.0	1.30	4.6	1.30	4.6	1.20	4.4	1.10	4.1	1.10
	5	4	5.3	1.40	5.0	1.30	4.6	1.20	4.6	1.10	4.4	1.10	4.1	1.00
	7	6	5.3	1.30	4.9	1.20	4.6	1.12	4.5	1.10	4.3	1.10	4.1	1.00
	9	8	5.5	1.30	5.1	1.20	4.8	1.10	4.7	1.10	4.5	1.00	4.2	0.90
	11	10	5.5	1.20	5.1	1.10	4.8	1.10	4.7	1.00	4.5	1.00	4.2	0.90
	13	12	5.5	1.10	5.1	1.10	4.8	1.00	4.7	1.00	4.5	0.90	4.2	0.90
	15	14	5.5	1.10	5.1	1.10	4.8	1.00	4.7	0.90	4.5	0.90	4.2	0.90
90%	-20	-20	3.5	1.70	3.5	1.80	3.5	1.80	3.5	1.80	3.5	1.80	3.4	1.80
	-19	-19	3.6	1.80	3.6	1.80	3.6	1.80	3.6	1.80	3.6	1.90	3.4	1.80
	-17	-17	3.8	1.80	3.8	1.80	3.8	1.90	3.8	1.90	3.7	1.80	3.4	1.60
	-15	-15	4.0	1.90	4.0	1.90	3.9	1.90	3.8	1.80	3.7	1.70	3.4	1.60
	-13	-13	4.3	1.90	4.2	1.90	3.9	1.80	3.8	1.70	3.7	1.60	3.4	1.50
	-11	-11	4.4	1.90	4.2	1.80	3.9	1.60	3.8	1.60	3.7	1.50	3.4	1.40
	-10	-10	4.4	1.80	4.2	1.70	3.9	1.60	3.8	1.50	3.7	1.40	3.4	1.30
	-9	-9	4.4	1.80	4.2	1.60	3.9	1.50	3.8	1.40	3.7	1.40	3.4	1.30
	-7	-8	4.4	1.70	4.2	1.60	3.9	1.40	3.8	1.40	3.7	1.30	3.4	1.30
	-5	-6	4.4	1.60	4.2	1.50	3.9	1.40	3.8	1.30	3.7	1.30	3.4	1.20
	-3	-4	4.4	1.40	4.2	1.30	3.9	1.30	3.8	1.20	3.7	1.10	3.4	1.10
	0	-1	4.4	1.30	4.2	1.30	3.9	1.20	3.8	1.10	3.7	1.10	3.4	1.00
	3	2	4.4	1.30	4.2	1.20	3.9	1.10	3.8	1.10	3.7	1.00	3.4	0.90
	5	4	4.4	1.20	4.2	1.10	3.9	1.10	3.8	1.00	3.7	1.00	3.4	0.90
	7	6	4.7	1.10	4.5	1.10	4.2	1.00	4.1	1.00	3.9	0.90	3.7	0.90
	9	8	4.8	1.10	4.5	1.00	4.3	0.90	4.1	0.90	3.9	0.90	3.7	0.80
	11	10	4.8	1.10	4.5	1.00	4.3	0.90	4.1	0.90	3.9	0.90	3.7	0.80
	13	12	4.8	1.00	4.5	0.90	4.3	0.90	4.1	0.90	3.9	0.80	3.7	0.80
	15	14	4.8	1.00	4.5	0.90	4.3	0.90	4.1	0.90	3.9	0.80	3.7	0.70
80%	-20	-20	3.5	1.80	3.5	1.80	3.5	1.90	3.4	1.80	3.3	1.80	3.0	1.60
	-19	-19	3.6	1.80	3.6	1.80	3.5	1.80	3.4	1.80	3.3	1.70	3.0	1.50
	-17	-17	3.8	1.90	3.7	1.80	3.5	1.70	3.4	1.60	3.3	1.60	3.0	1.40
	-15	-15	3.9	1.90	3.7	1.80	3.5	1.60	3.4	1.60	3.3	1.50	3.0	1.40
	-13	-13	3.9	1.80	3.7	1.60	3.5	1.50	3.4	1.40	3.3	1.40	3.0	1.30
	-11	-11	3.9	1.60	3.7	1.60	3.5	1.40	3.4	1.40	3.3	1.30	3.0	1.20
	-10	-10	3.9	1.60	3.7	1.40	3.5	1.30	3.4	1.30	3.3	1.30	3.0	1.10
	-9	-9	3.9	1.50	3.7	1.40	3.5	1.30	3.4	1.30	3.3	1.20	3.0	1.10
	-7	-8	3.9	1.40	3.7	1.40	3.5	1.30	3.4	1.20	3.3	1.20	3.0	1.10
	-5	-6	3.9	1.40	3.7	1.30	3.5	1.20	3.4	1.10	3.3	1.10	3.0	1.00
	-3	-4	3.9	1.30	3.7	1.20	3.5	1.10	3.4	1.10	3.3	1.00	3.0	0.90
	0	-1	3.9	1.20	3.7	1.10	3.5	1.00	3.4	1.00	3.3	0.90	3.0	0.90
	3	2	3.9	1.10	3.7	1.00	3.5	0.90	3.4	0.90	3.3	0.90	3.0	0.80
	5	4	3.9	1.10	3.7	1.00	3.5	0.90	3.4	0.90	3.3	0.90	3.0	0.80
	7	6	4.2	1.00	3.9	0.90	3.7	0.90	3.6	0.90	3.5	0.80	3.2	0.70
	9	8	4.3	0.90	4.0	0.90	3.7	0.90	3.7	0.80	3.5	0.80	3.3	0.70
	11	10	4.3	0.90	4.0	0.90	3.7	0.80	3.7	0.80	3.5	0.70	3.3	0.70
	13	12	4.3	0.90	4.0	0.90	3.7	0.80	3.7	0.70	3.5	0.70	3.3	0.70
	15	14	4.3	0.90	4.0	0.80	3.7	0.70	3.7	0.70	3.5	0.70	3.3	0.70

※ Peak value : Tested without defrost operation in accordance with EN14511

2. Outdoor Units

2-8. Capacity table (A2A)

AE044MXTPEH/EU

Heating

Combination % (Capacity index)	Outdoor temperature (°C)		Indoor temperature (DB, °C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	DB	WB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
70%	-20	-20	3.4	1.80	3.2	1.70	3.0	1.60	3.0	1.50	2.8	1.40	2.6	1.40
	-19	-19	3.4	1.80	3.2	1.60	3.0	1.50	3.0	1.50	2.8	1.40	2.6	1.30
	-17	-17	3.4	1.60	3.2	1.60	3.0	1.40	3.0	1.40	2.8	1.30	2.6	1.20
	-15	-15	3.4	1.60	3.2	1.50	3.0	1.40	3.0	1.30	2.8	1.30	2.6	1.20
	-13	-13	3.4	1.50	3.2	1.40	3.0	1.30	3.0	1.30	2.8	1.20	2.6	1.10
	-11	-11	3.4	1.40	3.2	1.30	3.0	1.30	3.0	1.20	2.8	1.10	2.6	1.10
	-10	-10	3.4	1.30	3.2	1.30	3.0	1.10	3.0	1.10	2.8	1.10	2.6	1.00
	-9	-9	3.4	1.30	3.2	1.20	3.0	1.10	3.0	1.10	2.8	1.10	2.6	0.90
	-7	-8	3.4	1.30	3.2	1.10	3.0	1.10	3.0	1.10	2.8	1.00	2.6	0.90
	-5	-6	3.4	1.20	3.2	1.10	3.0	1.00	3.0	1.00	2.8	0.90	2.6	0.90
	-3	-4	3.4	1.10	3.2	1.00	3.0	0.90	3.0	0.90	2.8	0.90	2.6	0.80
	0	-1	3.4	1.00	3.2	0.90	3.0	0.90	3.0	0.90	2.8	0.80	2.6	0.70
	3	2	3.4	0.90	3.2	0.90	3.0	0.80	3.0	0.80	2.8	0.80	2.6	0.70
	5	4	3.4	0.90	3.2	0.90	3.0	0.80	3.0	0.80	2.8	0.70	2.6	0.70
	7	6	3.7	0.90	3.5	0.80	3.3	0.70	3.2	0.70	3.0	0.70	2.8	0.70
	9	8	3.7	0.80	3.5	0.80	3.3	0.70	3.2	0.70	3.1	0.70	2.9	0.60
	11	10	3.7	0.80	3.5	0.70	3.3	0.70	3.2	0.70	3.1	0.70	2.9	0.60
	13	12	3.7	0.80	3.5	0.70	3.3	0.70	3.2	0.70	3.1	0.60	2.9	0.60
	15	14	3.7	0.70	3.5	0.70	3.3	0.70	3.2	0.70	3.1	0.60	2.9	0.60
60%	-20	-20	3.0	1.50	2.8	1.40	2.6	1.30	2.5	1.30	2.4	1.30	2.3	1.10
	-19	-19	3.0	1.50	2.8	1.40	2.6	1.30	2.5	1.30	2.4	1.20	2.3	1.10
	-17	-17	3.0	1.40	2.8	1.30	2.6	1.20	2.5	1.10	2.4	1.10	2.3	1.00
	-15	-15	3.0	1.30	2.8	1.30	2.6	1.10	2.5	1.10	2.4	1.10	2.3	1.00
	-13	-13	3.0	1.30	2.8	1.20	2.6	1.10	2.5	1.10	2.4	1.00	2.3	0.90
	-11	-11	3.0	1.20	2.8	1.10	2.6	1.00	2.5	1.00	2.4	0.90	2.3	0.90
	-10	-10	3.0	1.10	2.8	1.10	2.6	1.00	2.5	0.90	2.4	0.90	2.3	0.80
	-9	-9	3.0	1.10	2.8	1.00	2.6	0.90	2.5	0.90	2.4	0.90	2.3	0.80
	-7	-8	3.0	1.10	2.8	1.00	2.6	0.90	2.5	0.90	2.4	0.90	2.3	0.80
	-5	-6	3.0	1.00	2.8	0.90	2.6	0.90	2.5	0.80	2.4	0.80	2.3	0.70
	-3	-4	3.0	0.90	2.8	0.90	2.6	0.80	2.5	0.70	2.4	0.70	2.3	0.70
	0	-1	3.0	0.90	2.8	0.80	2.6	0.70	2.5	0.70	2.4	0.70	2.3	0.70
	3	2	3.0	0.80	2.8	0.70	2.6	0.70	2.5	0.70	2.4	0.70	2.3	0.60
	5	4	3.0	0.70	2.8	0.70	2.6	0.70	2.5	0.70	2.4	0.60	2.3	0.60
	7	6	3.2	0.70	3.0	0.70	2.8	0.70	2.7	0.60	2.6	0.60	2.4	0.50
	9	8	3.2	0.70	3.0	0.70	2.8	0.60	2.8	0.60	2.6	0.60	2.5	0.50
	11	10	3.2	0.70	3.0	0.70	2.8	0.60	2.8	0.60	2.6	0.50	2.5	0.50
	13	12	3.2	0.70	3.0	0.60	2.8	0.60	2.8	0.50	2.6	0.50	2.5	0.50
	15	14	3.2	0.70	3.0	0.60	2.8	0.50	2.8	0.50	2.6	0.50	2.5	0.50
50%	-20	-20	2.4	1.30	2.3	1.10	2.2	1.10	2.1	1.10	2.0	1.00	1.9	0.90
	-19	-19	2.4	1.20	2.3	1.10	2.2	1.10	2.1	1.00	2.0	0.90	1.9	0.90
	-17	-17	2.4	1.10	2.3	1.10	2.2	1.00	2.1	0.90	2.0	0.90	1.9	0.90
	-15	-15	2.4	1.10	2.3	1.00	2.2	0.90	2.1	0.90	2.0	0.90	1.9	0.80
	-13	-13	2.4	1.00	2.3	0.90	2.2	0.90	2.1	0.90	2.0	0.80	1.9	0.70
	-11	-11	2.4	0.90	2.3	0.90	2.2	0.90	2.1	0.80	2.0	0.80	1.9	0.70
	-10	-10	2.4	0.90	2.3	0.90	2.2	0.80	2.1	0.70	2.0	0.70	1.9	0.70
	-9	-9	2.4	0.90	2.3	0.80	2.2	0.80	2.1	0.70	2.0	0.70	1.9	0.70
	-7	-8	2.4	0.90	2.3	0.80	2.2	0.70	2.1	0.70	2.0	0.70	1.9	0.70
	-5	-6	2.4	0.80	2.3	0.70	2.2	0.70	2.1	0.70	2.0	0.70	1.9	0.60
	-3	-4	2.4	0.70	2.3	0.70	2.2	0.70	2.1	0.60	2.0	0.60	1.9	0.50
	0	-1	2.4	0.70	2.3	0.70	2.2	0.60	2.1	0.60	2.0	0.60	1.9	0.50
	3	2	2.4	0.70	2.3	0.60	2.2	0.60	2.1	0.50	2.0	0.50	1.9	0.50
	5	4	2.4	0.60	2.3	0.60	2.2	0.50	2.1	0.50	2.0	0.50	1.9	0.50
	7	6	2.6	0.60	2.5	0.60	2.3	0.50	2.2	0.50	2.2	0.50	2.0	0.50
	9	8	2.7	0.60	2.5	0.50	2.4	0.50	2.3	0.50	2.2	0.50	2.0	0.50
	11	10	2.7	0.50	2.5	0.50	2.4	0.50	2.3	0.50	2.2	0.50	2.0	0.50
	13	12	2.7	0.50	2.5	0.50	2.4	0.50	2.3	0.50	2.2	0.50	2.0	0.40
	15	14	2.7	0.50	2.5	0.50	2.4	0.50	2.3	0.50	2.2	0.50	2.0	0.40

※ Peak value : Tested without defrost operation in accordance with EN14511

2. Outdoor Units

2-8. Capacity table (A2A)

AE066MXTPEH/EU

Heating

Combination % (Capacity index)	Outdoor temperature (°C)		Indoor temperature (DB, °C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	DB	WB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
100%	-20	-20	5.8	2.50	5.7	2.50	5.6	2.60	5.7	2.60	5.7	2.70	5.7	2.80
	-19	-19	6.0	2.50	6.0	2.60	5.8	2.60	5.9	2.70	5.9	2.70	5.9	2.80
	-17	-17	6.3	2.60	6.3	2.60	6.1	2.70	6.2	2.80	6.2	2.80	6.2	2.90
	-15	-15	6.6	2.70	6.6	2.80	6.5	2.90	6.6	2.90	6.6	2.90	6.2	2.70
	-13	-13	7.0	2.80	7.0	2.90	6.7	2.90	6.9	2.90	6.6	2.80	6.2	2.50
	-11	-11	7.3	2.90	7.3	2.90	6.9	2.90	6.9	2.70	6.6	2.60	6.2	2.40
	-10	-10	7.5	2.80	7.5	2.80	6.9	2.60	6.9	2.50	6.6	2.50	6.2	2.20
	-9	-9	7.7	2.80	7.6	2.80	6.9	2.60	6.9	2.50	6.6	2.40	6.2	2.20
	-7	-8	7.9	2.80	7.6	2.70	6.9	2.50	6.9	2.40	6.6	2.30	6.2	2.10
	-5	-6	8.1	2.70	7.6	2.50	6.9	2.40	6.9	2.30	6.6	2.20	6.2	1.90
	-3	-4	8.1	2.50	7.6	2.30	6.9	2.10	6.9	2.00	6.6	1.90	6.2	1.80
	0	-1	8.1	2.30	7.6	2.10	6.9	1.90	6.9	1.90	6.6	1.80	6.2	1.70
	3	2	8.1	2.10	7.6	2.00	6.9	1.90	6.9	1.80	6.6	1.70	6.2	1.60
	5	4	8.1	2.00	7.6	1.90	6.9	1.80	6.9	1.70	6.6	1.60	6.2	1.50
	7	6	7.9	1.90	7.5	1.80	6.9	1.69	6.8	1.60	6.6	1.50	6.1	1.40
	9	8	8.2	1.90	7.8	1.70	7.2	1.60	7.1	1.50	6.8	1.50	6.4	1.40
	11	10	8.2	1.80	7.8	1.70	7.2	1.50	7.1	1.50	6.8	1.40	6.4	1.40
	13	12	8.2	1.70	7.8	1.60	7.2	1.50	7.1	1.40	6.8	1.40	6.4	1.30
	15	14	8.2	1.70	7.8	1.50	7.2	1.40	7.1	1.40	6.8	1.40	6.4	1.30
90%	-20	-20	5.3	2.60	5.3	2.70	5.3	2.70	5.3	2.80	5.3	2.80	5.2	2.80
	-19	-19	5.5	2.60	5.5	2.70	5.5	2.80	5.5	2.80	5.5	2.80	5.2	2.70
	-17	-17	5.7	2.70	5.7	2.80	5.7	2.80	5.7	2.90	5.5	2.70	5.2	2.50
	-15	-15	6.1	2.90	6.0	2.90	6.0	2.90	5.7	2.70	5.5	2.60	5.2	2.40
	-13	-13	6.4	2.90	6.3	2.90	6.0	2.60	5.7	2.50	5.5	2.50	5.2	2.20
	-11	-11	6.7	2.90	6.3	2.70	6.0	2.50	5.7	2.40	5.5	2.30	5.2	2.10
	-10	-10	6.7	2.70	6.3	2.50	6.0	2.30	5.7	2.20	5.5	2.10	5.2	1.90
	-9	-9	6.7	2.60	6.3	2.50	6.0	2.30	5.7	2.20	5.5	2.10	5.2	1.90
	-7	-8	6.7	2.50	6.3	2.40	6.0	2.20	5.7	2.10	5.5	2.00	5.2	1.90
	-5	-6	6.7	2.40	6.3	2.20	6.0	2.00	5.7	1.90	5.5	1.90	5.2	1.80
	-3	-4	6.7	2.20	6.3	2.00	6.0	1.90	5.7	1.80	5.5	1.70	5.2	1.60
	0	-1	6.7	2.00	6.3	1.90	6.0	1.80	5.7	1.70	5.5	1.60	5.2	1.40
	3	2	6.7	1.90	6.3	1.80	6.0	1.60	5.7	1.50	5.5	1.50	5.2	1.40
	5	4	6.7	1.80	6.3	1.70	6.0	1.50	5.7	1.50	5.5	1.40	5.2	1.40
	7	6	7.2	1.70	6.7	1.60	6.4	1.50	6.1	1.40	6.0	1.40	5.5	1.30
	9	8	7.2	1.60	6.8	1.50	6.5	1.40	6.2	1.40	6.0	1.40	5.6	1.20
	11	10	7.2	1.60	6.8	1.40	6.5	1.40	6.2	1.40	6.0	1.30	5.6	1.20
	13	12	7.2	1.50	6.8	1.40	6.5	1.40	6.2	1.30	6.0	1.30	5.6	1.10
	15	14	7.2	1.40	6.8	1.40	6.5	1.30	6.2	1.30	6.0	1.20	5.6	1.10
80%	-20	-20	5.3	2.70	5.3	2.80	5.3	2.90	5.1	2.70	4.9	2.60	4.6	2.40
	-19	-19	5.5	2.80	5.5	2.80	5.3	2.70	5.1	2.60	4.9	2.50	4.6	2.30
	-17	-17	5.7	2.80	5.6	2.80	5.3	2.50	5.1	2.50	4.9	2.40	4.6	2.10
	-15	-15	6.0	2.90	5.6	2.60	5.3	2.50	5.1	2.40	4.9	2.30	4.6	2.00
	-13	-13	6.0	2.60	5.6	2.50	5.3	2.30	5.1	2.20	4.9	2.10	4.6	1.90
	-11	-11	6.0	2.50	5.6	2.30	5.3	2.10	5.1	2.00	4.9	1.90	4.6	1.80
	-10	-10	6.0	2.40	5.6	2.20	5.3	2.00	5.1	1.90	4.9	1.90	4.6	1.70
	-9	-9	6.0	2.30	5.6	2.10	5.3	1.90	5.1	1.90	4.9	1.80	4.6	1.70
	-7	-8	6.0	2.20	5.6	2.00	5.3	1.90	5.1	1.80	4.9	1.80	4.6	1.60
	-5	-6	6.0	2.00	5.6	1.90	5.3	1.80	5.1	1.70	4.9	1.60	4.6	1.50
	-3	-4	6.0	1.90	5.6	1.80	5.3	1.60	5.1	1.50	4.9	1.50	4.6	1.40
	0	-1	6.0	1.80	5.6	1.60	5.3	1.50	5.1	1.40	4.9	1.40	4.6	1.30
	3	2	6.0	1.60	5.6	1.50	5.3	1.40	5.1	1.40	4.9	1.40	4.6	1.20
	5	4	6.0	1.60	5.6	1.40	5.3	1.40	5.1	1.40	4.9	1.30	4.6	1.20
	7	6	6.4	1.50	6.0	1.40	5.6	1.30	5.5	1.30	5.3	1.20	4.9	1.10
	9	8	6.5	1.40	6.0	1.40	5.7	1.30	5.5	1.20	5.4	1.20	4.9	1.10
	11	10	6.5	1.40	6.0	1.30	5.7	1.20	5.5	1.20	5.4	1.10	4.9	1.00
	13	12	6.5	1.40	6.0	1.30	5.7	1.20	5.5	1.10	5.4	1.10	4.9	1.00
	15	14	6.5	1.30	6.0	1.20	5.7	1.10	5.5	1.10	5.4	1.00	4.9	0.90

※ Peak value : Tested without defrost operation in accordance with EN14511

2. Outdoor Units

2-8. Capacity table (A2A)

AE066MXTPEH/EU

Heating

Combination % (Capacity index)	Outdoor temperature (°C)		Indoor temperature (DB, °C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	DB	WB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
70%	-20	-20	5.2	2.80	4.9	2.60	4.6	2.40	4.4	2.30	4.3	2.20	4.0	2.00
	-19	-19	5.2	2.70	4.9	2.50	4.6	2.30	4.4	2.20	4.3	2.10	4.0	1.90
	-17	-17	5.2	2.50	4.9	2.40	4.6	2.10	4.4	2.00	4.3	1.90	4.0	1.90
	-15	-15	5.2	2.40	4.9	2.20	4.6	2.00	4.4	1.90	4.3	1.90	4.0	1.80
	-13	-13	5.2	2.30	4.9	2.10	4.6	1.90	4.4	1.90	4.3	1.80	4.0	1.60
	-11	-11	5.2	2.10	4.9	1.90	4.6	1.90	4.4	1.80	4.3	1.70	4.0	1.50
	-10	-10	5.2	1.90	4.9	1.90	4.6	1.70	4.4	1.60	4.3	1.60	4.0	1.40
	-9	-9	5.2	1.90	4.9	1.80	4.6	1.70	4.4	1.60	4.3	1.50	4.0	1.40
	-7	-8	5.2	1.90	4.9	1.70	4.6	1.60	4.4	1.50	4.3	1.50	4.0	1.40
	-5	-6	5.2	1.80	4.9	1.60	4.6	1.50	4.4	1.40	4.3	1.40	4.0	1.30
	-3	-4	5.2	1.60	4.9	1.50	4.6	1.40	4.4	1.40	4.3	1.30	4.0	1.20
	0	-1	5.2	1.50	4.9	1.40	4.6	1.30	4.4	1.30	4.3	1.20	4.0	1.10
	3	2	5.2	1.40	4.9	1.30	4.6	1.20	4.4	1.20	4.3	1.10	4.0	1.00
	5	4	5.2	1.40	4.9	1.30	4.6	1.20	4.4	1.10	4.3	1.10	4.0	1.00
	7	6	5.5	1.30	5.3	1.20	4.9	1.10	4.8	1.10	4.6	1.00	4.3	0.90
	9	8	5.6	1.20	5.3	1.20	5.0	1.10	4.9	1.00	4.7	1.00	4.3	0.90
	11	10	5.6	1.20	5.3	1.10	5.0	1.00	4.9	1.00	4.7	0.90	4.3	0.90
	13	12	5.6	1.10	5.3	1.10	5.0	1.00	4.9	0.90	4.7	0.90	4.3	0.80
	15	14	5.6	1.10	5.3	1.00	5.0	1.00	4.9	0.90	4.7	0.90	4.3	0.80
60%	-20	-20	4.4	2.30	4.2	2.10	3.9	2.00	3.8	1.90	3.7	1.90	3.4	1.70
	-19	-19	4.4	2.20	4.2	2.00	3.9	1.90	3.8	1.90	3.7	1.80	3.4	1.60
	-17	-17	4.4	2.00	4.2	1.90	3.9	1.80	3.8	1.70	3.7	1.60	3.4	1.50
	-15	-15	4.4	1.90	4.2	1.90	3.9	1.70	3.8	1.70	3.7	1.60	3.4	1.40
	-13	-13	4.4	1.90	4.2	1.80	3.9	1.60	3.8	1.50	3.7	1.50	3.4	1.40
	-11	-11	4.4	1.80	4.2	1.60	3.9	1.50	3.8	1.40	3.7	1.40	3.4	1.30
	-10	-10	4.4	1.60	4.2	1.50	3.9	1.40	3.8	1.40	3.7	1.40	3.4	1.20
	-9	-9	4.4	1.60	4.2	1.50	3.9	1.40	3.8	1.40	3.7	1.30	3.4	1.20
	-7	-8	4.4	1.50	4.2	1.40	3.9	1.40	3.8	1.30	3.7	1.30	3.4	1.20
	-5	-6	4.4	1.40	4.2	1.40	3.9	1.30	3.8	1.30	3.7	1.20	3.4	1.10
	-3	-4	4.4	1.40	4.2	1.30	3.9	1.20	3.8	1.10	3.7	1.10	3.4	1.00
	0	-1	4.4	1.30	4.2	1.20	3.9	1.10	3.8	1.00	3.7	1.00	3.4	0.90
	3	2	4.4	1.20	4.2	1.10	3.9	1.00	3.8	1.00	3.7	0.90	3.4	0.90
	5	4	4.4	1.10	4.2	1.10	3.9	1.00	3.8	0.90	3.7	0.90	3.4	0.80
	7	6	4.8	1.10	4.5	1.00	4.3	0.90	4.1	0.90	3.9	0.80	3.7	0.80
	9	8	4.9	1.00	4.6	0.90	4.3	0.90	4.2	0.80	4.0	0.80	3.7	0.80
	11	10	4.9	1.00	4.6	0.90	4.3	0.80	4.2	0.80	4.0	0.80	3.7	0.80
	13	12	4.9	0.90	4.6	0.90	4.3	0.80	4.2	0.80	4.0	0.80	3.7	0.80
	15	14	4.9	0.90	4.6	0.80	4.3	0.80	4.2	0.80	4.0	0.80	3.7	0.80
50%	-20	-20	3.7	1.90	3.5	1.70	3.3	1.60	3.2	1.50	3.1	1.50	2.9	1.40
	-19	-19	3.7	1.80	3.5	1.70	3.3	1.50	3.2	1.50	3.1	1.40	2.9	1.40
	-17	-17	3.7	1.70	3.5	1.50	3.3	1.40	3.2	1.40	3.1	1.40	2.9	1.30
	-15	-15	3.7	1.60	3.5	1.50	3.3	1.40	3.2	1.40	3.1	1.30	2.9	1.20
	-13	-13	3.7	1.50	3.5	1.40	3.3	1.40	3.2	1.30	3.1	1.20	2.9	1.10
	-11	-11	3.7	1.40	3.5	1.40	3.3	1.30	3.2	1.20	3.1	1.20	2.9	1.10
	-10	-10	3.7	1.40	3.5	1.30	3.3	1.20	3.2	1.10	3.1	1.10	2.9	1.00
	-9	-9	3.7	1.30	3.5	1.20	3.3	1.10	3.2	1.10	3.1	1.10	2.9	1.00
	-7	-8	3.7	1.30	3.5	1.20	3.3	1.10	3.2	1.10	3.1	1.00	2.9	0.90
	-5	-6	3.7	1.20	3.5	1.10	3.3	1.00	3.2	1.00	3.1	1.00	2.9	0.90
	-3	-4	3.7	1.10	3.5	1.00	3.3	0.90	3.2	0.90	3.1	0.90	2.9	0.80
	0	-1	3.7	1.00	3.5	0.90	3.3	0.90	3.2	0.80	3.1	0.80	2.9	0.80
	3	2	3.7	0.90	3.5	0.90	3.3	0.80	3.2	0.80	3.1	0.80	2.9	0.80
	5	4	3.7	0.90	3.5	0.80	3.3	0.80	3.2	0.80	3.1	0.80	2.9	0.80
	7	6	4.0	0.90	3.7	0.80	3.5	0.80	3.4	0.80	3.3	0.80	3.1	0.70
	9	8	4.0	0.80	3.8	0.80	3.6	0.80	3.5	0.80	3.3	0.70	3.2	0.70
	11	10	4.0	0.80	3.8	0.80	3.6	0.80	3.5	0.70	3.3	0.70	3.2	0.70
	13	12	4.0	0.80	3.8	0.80	3.6	0.70	3.5	0.70	3.3	0.70	3.2	0.60
	15	14	4.0	0.80	3.8	0.80	3.6	0.70	3.5	0.70	3.3	0.70	3.2	0.60

※ Peak value : Tested without defrost operation in accordance with EN14511

2. Outdoor Units

2-8. Capacity table (A2A)

AE090MXTPEH/EU

Heating

Combination % (Capacity index)	Outdoor temperature (°C)		Indoor temperature (DB, °C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	DB	WB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
100%	-20	-20	7.9	3.50	7.9	3.70	7.7	3.80	7.9	3.80	7.9	3.80	7.9	3.90
	-19	-19	8.2	3.50	8.2	3.70	7.9	3.80	8.1	3.80	8.1	3.90	8.1	4.00
	-17	-17	8.6	3.70	8.6	3.80	8.4	3.90	8.6	3.90	8.6	4.00	8.6	4.00
	-15	-15	9.1	3.90	9.1	4.00	8.8	4.10	9.0	4.10	9.0	4.10	8.6	3.90
	-13	-13	9.5	4.00	9.5	4.00	9.3	4.10	9.5	4.10	9.2	4.00	8.6	3.50
	-11	-11	10.0	4.00	10.0	4.10	9.5	4.00	9.5	3.90	9.2	3.70	8.6	3.30
	-10	-10	10.2	3.90	10.2	4.00	9.5	3.80	9.5	3.50	9.2	3.40	8.6	3.10
	-9	-9	10.5	4.00	10.4	4.00	9.5	3.70	9.5	3.50	9.2	3.30	8.6	3.00
	-7	-8	10.9	4.00	10.4	3.80	9.5	3.40	9.5	3.30	9.2	3.20	8.6	2.90
	-5	-6	11.0	3.90	10.4	3.50	9.5	3.30	9.5	3.10	9.2	3.00	8.6	2.80
	-3	-4	11.0	3.40	10.4	3.20	9.5	3.00	9.5	2.90	9.2	2.70	8.6	2.50
	0	-1	11.0	3.20	10.4	3.00	9.5	2.80	9.5	2.70	9.2	2.60	8.6	2.40
	3	2	11.0	3.00	10.4	2.80	9.5	2.60	9.5	2.50	9.2	2.40	8.6	2.20
	5	4	11.0	2.90	10.4	2.70	9.5	2.50	9.5	2.40	9.2	2.30	8.6	2.10
	7	6	10.9	2.70	10.3	2.60	9.5	2.40	7.9	3.50	7.9	3.50	7.9	3.50
	9	8	11.2	2.60	10.6	2.40	10.0	2.30	9.7	2.20	9.3	2.10	8.7	2.00
	11	10	11.2	2.50	10.6	2.40	10.0	2.20	9.7	2.10	9.3	2.00	8.7	1.90
	13	12	11.2	2.40	10.6	2.30	10.0	2.10	9.7	2.00	9.3	2.00	8.7	1.80
	15	14	11.2	2.30	10.6	2.20	10.0	2.10	9.7	2.00	9.3	1.90	8.7	1.80
90%	-20	-20	7.3	3.70	7.3	3.80	7.3	3.90	7.3	3.90	7.3	4.00	7.0	4.00
	-19	-19	7.5	3.80	7.5	3.90	7.5	3.90	7.5	4.00	7.5	4.00	7.0	3.80
	-17	-17	7.9	3.90	7.9	3.90	7.9	4.00	7.9	4.00	7.6	3.90	7.0	3.50
	-15	-15	8.4	4.00	8.3	4.10	8.2	4.00	7.9	3.90	7.6	3.70	7.0	3.30
	-13	-13	8.8	4.10	8.7	4.10	8.2	3.80	7.9	3.50	7.6	3.40	7.0	3.10
	-11	-11	9.2	4.10	8.7	3.80	8.2	3.50	7.9	3.30	7.6	3.20	7.0	2.90
	-10	-10	9.2	3.90	8.7	3.50	8.2	3.20	7.9	3.10	7.6	3.00	7.0	2.70
	-9	-9	9.2	3.80	8.7	3.40	8.2	3.20	7.9	3.00	7.6	2.90	7.0	2.70
	-7	-8	9.2	3.50	8.7	3.30	8.2	3.00	7.9	2.90	7.6	2.80	7.0	2.60
	-5	-6	9.2	3.30	8.7	3.10	8.2	2.90	7.9	2.80	7.6	2.70	7.0	2.50
	-3	-4	9.2	3.00	8.7	2.80	8.2	2.60	7.9	2.50	7.6	2.40	7.0	2.20
	0	-1	9.2	2.80	8.7	2.60	8.2	2.40	7.9	2.40	7.6	2.30	7.0	2.10
	3	2	9.2	2.60	8.7	2.50	8.2	2.30	7.9	2.20	7.6	2.10	7.0	2.00
	5	4	9.2	2.50	8.7	2.40	8.2	2.20	7.9	2.10	7.6	2.10	7.0	1.90
	7	6	9.8	2.40	9.3	2.30	8.8	2.10	8.4	2.00	8.1	2.00	7.6	1.80
	9	8	9.9	2.30	9.4	2.20	8.9	2.00	8.6	1.90	8.2	1.90	7.7	1.70
	11	10	9.9	2.20	9.4	2.10	8.9	2.00	8.6	1.90	8.2	1.80	7.7	1.70
	13	12	9.9	2.20	9.4	2.00	8.9	1.90	8.6	1.80	8.2	1.80	7.7	1.60
	15	14	9.9	2.10	9.4	2.00	8.9	1.80	8.6	1.80	8.2	1.70	7.7	1.60
80%	-20	-20	7.3	3.90	7.3	4.00	7.3	4.00	6.9	3.90	6.7	3.70	6.3	3.30
	-19	-19	7.5	3.90	7.5	4.00	7.3	3.90	6.9	3.80	6.7	3.50	6.3	3.20
	-17	-17	7.9	4.00	7.7	3.90	7.3	3.50	6.9	3.40	6.7	3.30	6.3	3.00
	-15	-15	8.2	4.00	7.7	3.80	7.3	3.40	6.9	3.30	6.7	3.10	6.3	2.90
	-13	-13	8.2	3.80	7.7	3.40	7.3	3.20	6.9	3.10	6.7	2.90	6.3	2.70
	-11	-11	8.2	3.50	7.7	3.20	7.3	3.00	6.9	2.90	6.7	2.80	6.3	2.60
	-10	-10	8.2	3.30	7.7	3.00	7.3	2.80	6.9	2.70	6.7	2.60	6.3	2.40
	-9	-9	8.2	3.20	7.7	3.00	7.3	2.70	6.9	2.60	6.7	2.50	6.3	2.30
	-7	-8	8.2	3.00	7.7	2.80	7.3	2.60	6.9	2.50	6.7	2.40	6.3	2.30
	-5	-6	8.2	2.90	7.7	2.70	7.3	2.50	6.9	2.40	6.7	2.30	6.3	2.10
	-3	-4	8.2	2.60	7.7	2.50	7.3	2.30	6.9	2.20	6.7	2.10	6.3	2.00
	0	-1	8.2	2.50	7.7	2.30	7.3	2.10	6.9	2.10	6.7	2.00	6.3	1.80
	3	2	8.2	2.30	7.7	2.20	7.3	2.00	6.9	1.90	6.7	1.90	6.3	1.70
	5	4	8.2	2.20	7.7	2.10	7.3	1.90	6.9	1.90	6.7	1.80	6.3	1.70
	7	6	8.8	2.10	8.2	2.00	7.8	1.90	7.5	1.80	7.3	1.70	6.7	1.60
	9	8	8.9	2.00	8.3	1.90	7.9	1.80	7.6	1.70	7.4	1.70	6.8	1.50
	11	10	8.9	2.00	8.3	1.80	7.9	1.70	7.6	1.70	7.4	1.60	6.8	1.50
	13	12	8.9	1.90	8.3	1.80	7.9	1.70	7.6	1.60	7.4	1.60	6.8	1.50
	15	14	8.9	1.80	8.3	1.70	7.9	1.60	7.6	1.60	7.4	1.50	6.8	1.40

※ Peak value : Tested without defrost operation in accordance with EN14511

2. Outdoor Units

2-8. Capacity table (A2A)

AE090MXTPEH/EU

Heating

Combination % (Capacity index)	Outdoor temperature (°C)		Indoor temperature (DB, °C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	DB	WB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
70%	-20	-20	7.2	4.00	6.7	3.70	6.3	3.40	6.1	3.20	5.9	3.10	5.5	2.80
	-19	-19	7.2	3.80	6.7	3.50	6.3	3.20	6.1	3.10	5.9	3.00	5.5	2.70
	-17	-17	7.2	3.50	6.7	3.20	6.3	3.00	6.1	2.90	5.9	2.80	5.5	2.60
	-15	-15	7.2	3.30	6.7	3.10	6.3	2.90	6.1	2.80	5.9	2.70	5.5	2.50
	-13	-13	7.2	3.10	6.7	2.90	6.3	2.70	6.1	2.60	5.9	2.50	5.5	2.30
	-11	-11	7.2	3.00	6.7	2.80	6.3	2.60	6.1	2.50	5.9	2.40	5.5	2.20
	-10	-10	7.2	2.80	6.7	2.60	6.3	2.40	6.1	2.30	5.9	2.20	5.5	2.10
	-9	-9	7.2	2.70	6.7	2.50	6.3	2.40	6.1	2.30	5.9	2.20	5.5	2.00
	-7	-8	7.2	2.60	6.7	2.40	6.3	2.30	6.1	2.20	5.9	2.10	5.5	2.00
	-5	-6	7.2	2.50	6.7	2.30	6.3	2.20	6.1	2.10	5.9	2.00	5.5	1.90
	-3	-4	7.2	2.30	6.7	2.10	6.3	2.00	6.1	1.90	5.9	1.80	5.5	1.70
	0	-1	7.2	2.10	6.7	2.00	6.3	1.80	6.1	1.80	5.9	1.70	5.5	1.60
	3	2	7.2	2.00	6.7	1.90	6.3	1.70	6.1	1.70	5.9	1.60	5.5	1.50
	5	4	7.2	1.90	6.7	1.80	6.3	1.70	6.1	1.60	5.9	1.60	5.5	1.50
	7	6	7.7	1.80	7.2	1.70	6.7	1.60	6.5	1.60	6.3	1.50	5.9	1.40
	9	8	7.8	1.80	7.3	1.60	6.8	1.50	6.6	1.50	6.4	1.50	5.9	1.40
	11	10	7.8	1.70	7.3	1.60	6.8	1.50	6.6	1.50	6.4	1.40	5.9	1.30
	13	12	7.8	1.60	7.3	1.50	6.8	1.50	6.6	1.40	6.4	1.40	5.9	1.30
	15	14	7.8	1.60	7.3	1.50	6.8	1.40	6.6	1.40	6.4	1.30	5.9	1.10
60%	-20	-20	6.1	3.20	5.7	3.00	5.4	2.80	5.2	2.70	5.1	2.60	4.7	2.40
	-19	-19	6.1	3.10	5.7	2.90	5.4	2.70	5.2	2.60	5.1	2.50	4.7	2.30
	-17	-17	6.1	2.90	5.7	2.70	5.4	2.50	5.2	2.40	5.1	2.30	4.7	2.20
	-15	-15	6.1	2.80	5.7	2.60	5.4	2.40	5.2	2.30	5.1	2.20	4.7	2.10
	-13	-13	6.1	2.60	5.7	2.40	5.4	2.30	5.2	2.20	5.1	2.10	4.7	2.00
	-11	-11	6.1	2.50	5.7	2.30	5.4	2.20	5.2	2.10	5.1	2.00	4.7	1.90
	-10	-10	6.1	2.30	5.7	2.20	5.4	2.00	5.2	2.00	5.1	1.90	4.7	1.80
	-9	-9	6.1	2.30	5.7	2.10	5.4	2.00	5.2	1.90	5.1	1.90	4.7	1.70
	-7	-8	6.1	2.20	5.7	2.00	5.4	1.90	5.2	1.90	5.1	1.80	4.7	1.70
	-5	-6	6.1	2.10	5.7	2.00	5.4	1.80	5.2	1.80	5.1	1.70	4.7	1.60
	-3	-4	6.1	1.90	5.7	1.80	5.4	1.70	5.2	1.60	5.1	1.60	4.7	1.50
	0	-1	6.1	1.80	5.7	1.70	5.4	1.60	5.2	1.50	5.1	1.50	4.7	1.40
	3	2	6.1	1.70	5.7	1.60	5.4	1.50	5.2	1.40	5.1	1.40	4.7	1.30
	5	4	6.1	1.60	5.7	1.50	5.4	1.40	5.2	1.40	5.1	1.40	4.7	1.30
	7	6	6.5	1.60	6.1	1.50	5.8	1.40	5.6	1.30	5.4	1.30	5.0	1.10
	9	8	6.6	1.50	6.2	1.40	5.8	1.30	5.7	1.30	5.5	1.10	5.1	1.10
	11	10	6.6	1.50	6.2	1.40	5.8	1.30	5.7	1.30	5.5	1.10	5.1	1.00
	13	12	6.6	1.40	6.2	1.30	5.8	1.30	5.7	1.10	5.5	1.10	5.1	1.00
	15	14	6.6	1.40	6.2	1.30	5.8	1.10	5.7	1.10	5.5	1.00	5.1	1.00
50%	-20	-20	5.1	2.60	4.8	2.40	4.5	2.30	4.4	2.20	4.2	2.10	4.0	1.90
	-19	-19	5.1	2.50	4.8	2.30	4.5	2.20	4.4	2.10	4.2	2.00	4.0	1.90
	-17	-17	5.1	2.30	4.8	2.20	4.5	2.00	4.4	2.00	4.2	1.90	4.0	1.80
	-15	-15	5.1	2.30	4.8	2.10	4.5	2.00	4.4	1.90	4.2	1.80	4.0	1.70
	-13	-13	5.1	2.10	4.8	2.00	4.5	1.90	4.4	1.80	4.2	1.70	4.0	1.60
	-11	-11	5.1	2.00	4.8	1.90	4.5	1.80	4.4	1.70	4.2	1.70	4.0	1.60
	-10	-10	5.1	1.90	4.8	1.80	4.5	1.70	4.4	1.60	4.2	1.60	4.0	1.50
	-9	-9	5.1	1.90	4.8	1.80	4.5	1.60	4.4	1.60	4.2	1.50	4.0	1.40
	-7	-8	5.1	1.80	4.8	1.70	4.5	1.60	4.4	1.50	4.2	1.50	4.0	1.40
	-5	-6	5.1	1.70	4.8	1.60	4.5	1.50	4.4	1.50	4.2	1.40	4.0	1.30
	-3	-4	5.1	1.60	4.8	1.50	4.5	1.40	4.4	1.40	4.2	1.30	4.0	1.10
	0	-1	5.1	1.50	4.8	1.40	4.5	1.30	4.4	1.30	4.2	1.10	4.0	1.10
	3	2	5.1	1.40	4.8	1.30	4.5	1.30	4.4	1.10	4.2	1.10	4.0	1.00
	5	4	5.1	1.40	4.8	1.30	4.5	1.10	4.4	1.10	4.2	1.00	4.0	1.00
	7	6	5.4	1.30	5.1	1.10	4.8	1.10	4.7	1.00	4.5	1.00	4.2	0.90
	9	8	5.5	1.30	5.2	1.10	4.9	1.00	4.7	1.00	4.6	1.00	4.3	0.90
	11	10	5.5	1.10	5.2	1.10	4.9	1.00	4.7	1.00	4.6	0.90	4.3	0.90
	13	12	5.5	1.10	5.2	1.00	4.9	1.00	4.7	0.90	4.6	0.90	4.3	0.80
	15	14	5.5	1.10	5.2	1.00	4.9	0.90	4.7	0.90	4.6	0.90	4.3	0.80

※ Peak value : Tested without defrost operation in accordance with EN14511

2. Outdoor Units

2-8. Capacity table (A2A)

AE090MXTPGH/EU

Heating

Combination % (Capacity index)	Outdoor temperature (°C)		Indoor temperature (DB, °C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	DB	WB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
100%	-20	-20	7.9	3.70	7.9	3.80	7.7	3.90	7.9	3.90	7.9	3.90	7.9	4.10
	-19	-19	8.2	3.70	8.2	3.80	7.9	3.90	8.1	3.90	8.1	4.10	8.1	4.20
	-17	-17	8.6	3.80	8.6	3.90	8.4	4.10	8.6	4.10	8.6	4.20	8.6	4.20
	-15	-15	9.1	4.10	9.1	4.20	8.8	4.30	9.0	4.30	9.0	4.30	8.6	4.10
	-13	-13	9.5	4.20	9.5	4.20	9.3	4.30	9.5	4.30	9.2	4.20	8.6	3.70
	-11	-11	10.0	4.20	10.0	4.30	9.5	4.20	9.5	4.10	9.2	3.80	8.6	3.50
	-10	-10	10.2	4.10	10.2	4.20	9.5	3.90	9.5	3.70	9.2	3.60	8.6	3.30
	-9	-9	10.5	4.20	10.4	4.20	9.5	3.80	9.5	3.70	9.2	3.50	8.6	3.20
	-7	-8	10.9	4.20	10.4	3.90	9.5	3.60	9.5	3.50	9.2	3.40	8.6	3.10
	-5	-6	11.0	4.10	10.4	3.70	9.5	3.50	9.5	3.30	9.2	3.20	8.6	3.00
	-3	-4	11.0	3.60	10.4	3.40	9.5	3.20	9.5	3.10	9.2	2.80	8.6	2.60
	0	-1	11.0	3.40	10.4	3.20	9.5	3.00	9.5	2.80	9.2	2.70	8.6	2.50
	3	2	11.0	3.20	10.4	3.00	9.5	2.70	9.5	2.60	9.2	2.50	8.6	2.30
	5	4	11.0	3.10	10.4	2.80	9.5	2.60	9.5	2.50	9.2	2.40	8.6	2.20
	7	6	10.9	2.80	10.3	2.70	9.5	2.52	9.4	2.40	9.1	2.30	8.4	2.10
	9	8	11.2	2.70	10.6	2.50	10.0	2.40	9.7	2.30	9.3	2.20	8.7	2.10
	11	10	11.2	2.60	10.6	2.50	10.0	2.30	9.7	2.20	9.3	2.10	8.7	2.00
	13	12	11.2	2.50	10.6	2.40	10.0	2.20	9.7	2.10	9.3	2.10	8.7	1.90
	15	14	11.2	2.40	10.6	2.30	10.0	2.20	9.7	2.10	9.3	2.00	8.7	1.90
90%	-20	-20	7.3	3.80	7.3	3.90	7.3	4.10	7.3	4.10	7.3	4.20	7.0	4.20
	-19	-19	7.5	3.90	7.5	4.10	7.5	4.10	7.5	4.20	7.5	4.20	7.0	3.90
	-17	-17	7.9	4.10	7.9	4.10	7.9	4.20	7.9	4.20	7.6	4.10	7.0	3.70
	-15	-15	8.4	4.20	8.3	4.30	8.2	4.20	7.9	4.10	7.6	3.80	7.0	3.50
	-13	-13	8.8	4.30	8.7	4.30	8.2	3.90	7.9	3.70	7.6	3.60	7.0	3.30
	-11	-11	9.2	4.30	8.7	3.90	8.2	3.70	7.9	3.50	7.6	3.40	7.0	3.10
	-10	-10	9.2	4.10	8.7	3.70	8.2	3.40	7.9	3.30	7.6	3.20	7.0	2.80
	-9	-9	9.2	3.90	8.7	3.60	8.2	3.40	7.9	3.20	7.6	3.10	7.0	2.80
	-7	-8	9.2	3.70	8.7	3.50	8.2	3.20	7.9	3.10	7.6	3.00	7.0	2.70
	-5	-6	9.2	3.50	8.7	3.30	8.2	3.10	7.9	3.00	7.6	2.80	7.0	2.60
	-3	-4	9.2	3.20	8.7	3.00	8.2	2.70	7.9	2.60	7.6	2.50	7.0	2.30
	0	-1	9.2	3.00	8.7	2.70	8.2	2.50	7.9	2.50	7.6	2.40	7.0	2.20
	3	2	9.2	2.70	8.7	2.60	8.2	2.40	7.9	2.30	7.6	2.20	7.0	2.10
	5	4	9.2	2.60	8.7	2.50	8.2	2.30	7.9	2.20	7.6	2.20	7.0	2.00
	7	6	9.8	2.50	9.3	2.40	8.8	2.20	8.4	2.10	8.1	2.10	7.6	1.90
	9	8	9.9	2.40	9.4	2.30	8.9	2.10	8.6	2.00	8.2	2.00	7.7	1.80
	11	10	9.9	2.30	9.4	2.20	8.9	2.10	8.6	2.00	8.2	1.90	7.7	1.80
	13	12	9.9	2.30	9.4	2.10	8.9	2.00	8.6	1.90	8.2	1.90	7.7	1.60
	15	14	9.9	2.20	9.4	2.10	8.9	1.90	8.6	1.90	8.2	1.80	7.7	1.60
80%	-20	-20	7.3	4.10	7.3	4.20	7.3	4.20	6.9	4.10	6.7	3.80	6.3	3.50
	-19	-19	7.5	4.10	7.5	4.20	7.3	4.10	6.9	3.90	6.7	3.70	6.3	3.40
	-17	-17	7.9	4.20	7.7	4.10	7.3	3.70	6.9	3.60	6.7	3.50	6.3	3.20
	-15	-15	8.2	4.20	7.7	3.90	7.3	3.60	6.9	3.50	6.7	3.30	6.3	3.10
	-13	-13	8.2	3.90	7.7	3.60	7.3	3.40	6.9	3.30	6.7	3.10	6.3	2.80
	-11	-11	8.2	3.70	7.7	3.40	7.3	3.20	6.9	3.10	6.7	3.00	6.3	2.70
	-10	-10	8.2	3.50	7.7	3.20	7.3	3.00	6.9	2.80	6.7	2.70	6.3	2.50
	-9	-9	8.2	3.40	7.7	3.20	7.3	2.80	6.9	2.70	6.7	2.60	6.3	2.40
	-7	-8	8.2	3.20	7.7	3.00	7.3	2.70	6.9	2.60	6.7	2.50	6.3	2.40
	-5	-6	8.2	3.10	7.7	2.80	7.3	2.60	6.9	2.50	6.7	2.40	6.3	2.20
	-3	-4	8.2	2.70	7.7	2.60	7.3	2.40	6.9	2.30	6.7	2.20	6.3	2.10
	0	-1	8.2	2.60	7.7	2.40	7.3	2.20	6.9	2.20	6.7	2.10	6.3	1.90
	3	2	8.2	2.40	7.7	2.30	7.3	2.10	6.9	2.00	6.7	2.00	6.3	1.80
	5	4	8.2	2.30	7.7	2.20	7.3	2.00	6.9	2.00	6.7	1.90	6.3	1.80
	7	6	8.8	2.20	8.2	2.10	7.8	2.00	7.5	1.90	7.3	1.80	6.7	1.60
	9	8	8.9	2.10	8.3	2.00	7.9	1.90	7.6	1.80	7.4	1.80	6.8	1.50
	11	10	8.9	2.10	8.3	1.90	7.9	1.80	7.6	1.80	7.4	1.60	6.8	1.50
	13	12	8.9	2.00	8.3	1.90	7.9	1.80	7.6	1.60	7.4	1.60	6.8	1.50
	15	14	8.9	1.90	8.3	1.80	7.9	1.60	7.6	1.60	7.4	1.50	6.8	1.40

※ Peak value : Tested without defrost operation in accordance with EN14511

2. Outdoor Units

2-8. Capacity table (A2A)

AE090MXTPGH/EU

Heating

Combination % (Capacity index)	Outdoor temperature (°C)		Indoor temperature (DB, °C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	DB	WB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
70%	-20	-20	7.2	4.20	6.7	3.80	6.3	3.60	6.1	3.40	5.9	3.30	5.5	3.00
	-19	-19	7.2	3.90	6.7	3.70	6.3	3.40	6.1	3.30	5.9	3.20	5.5	2.80
	-17	-17	7.2	3.70	6.7	3.40	6.3	3.20	6.1	3.10	5.9	3.00	5.5	2.70
	-15	-15	7.2	3.50	6.7	3.30	6.3	3.10	6.1	3.00	5.9	2.80	5.5	2.60
	-13	-13	7.2	3.30	6.7	3.10	6.3	2.80	6.1	2.70	5.9	2.60	5.5	2.40
	-11	-11	7.2	3.20	6.7	3.00	6.3	2.70	6.1	2.60	5.9	2.50	5.5	2.30
	-10	-10	7.2	3.00	6.7	2.70	6.3	2.50	6.1	2.40	5.9	2.30	5.5	2.20
	-9	-9	7.2	2.80	6.7	2.60	6.3	2.50	6.1	2.40	5.9	2.30	5.5	2.10
	-7	-8	7.2	2.70	6.7	2.50	6.3	2.40	6.1	2.30	5.9	2.20	5.5	2.10
	-5	-6	7.2	2.60	6.7	2.40	6.3	2.30	6.1	2.20	5.9	2.10	5.5	2.00
	-3	-4	7.2	2.40	6.7	2.20	6.3	2.10	6.1	2.00	5.9	1.90	5.5	1.80
	0	-1	7.2	2.20	6.7	2.10	6.3	1.90	6.1	1.90	5.9	1.80	5.5	1.60
	3	2	7.2	2.10	6.7	2.00	6.3	1.80	6.1	1.80	5.9	1.60	5.5	1.50
	5	4	7.2	2.00	6.7	1.90	6.3	1.80	6.1	1.60	5.9	1.60	5.5	1.50
	7	6	7.7	1.90	7.2	1.80	6.7	1.60	6.5	1.60	6.3	1.50	5.9	1.40
	9	8	7.8	1.90	7.3	1.60	6.8	1.50	6.6	1.50	6.4	1.50	5.9	1.40
	11	10	7.8	1.80	7.3	1.60	6.8	1.50	6.6	1.50	6.4	1.40	5.9	1.30
	13	12	7.8	1.60	7.3	1.50	6.8	1.50	6.6	1.40	6.4	1.40	5.9	1.30
	15	14	7.8	1.60	7.3	1.50	6.8	1.40	6.6	1.40	6.4	1.30	5.9	1.20
60%	-20	-20	6.1	3.40	5.7	3.20	5.4	3.00	5.2	2.80	5.1	2.70	4.7	2.50
	-19	-19	6.1	3.30	5.7	3.10	5.4	2.80	5.2	2.70	5.1	2.60	4.7	2.40
	-17	-17	6.1	3.10	5.7	2.80	5.4	2.60	5.2	2.50	5.1	2.40	4.7	2.30
	-15	-15	6.1	3.00	5.7	2.70	5.4	2.50	5.2	2.40	5.1	2.30	4.7	2.20
	-13	-13	6.1	2.70	5.7	2.50	5.4	2.40	5.2	2.30	5.1	2.20	4.7	2.10
	-11	-11	6.1	2.60	5.7	2.40	5.4	2.30	5.2	2.20	5.1	2.10	4.7	2.00
	-10	-10	6.1	2.40	5.7	2.30	5.4	2.10	5.2	2.10	5.1	2.00	4.7	1.90
	-9	-9	6.1	2.40	5.7	2.20	5.4	2.10	5.2	2.00	5.1	2.00	4.7	1.80
	-7	-8	6.1	2.30	5.7	2.10	5.4	2.00	5.2	2.00	5.1	1.90	4.7	1.80
	-5	-6	6.1	2.20	5.7	2.10	5.4	1.90	5.2	1.90	5.1	1.80	4.7	1.60
	-3	-4	6.1	2.00	5.7	1.90	5.4	1.80	5.2	1.60	5.1	1.60	4.7	1.50
	0	-1	6.1	1.90	5.7	1.80	5.4	1.60	5.2	1.50	5.1	1.50	4.7	1.40
	3	2	6.1	1.80	5.7	1.60	5.4	1.50	5.2	1.40	5.1	1.40	4.7	1.30
	5	4	6.1	1.60	5.7	1.50	5.4	1.40	5.2	1.40	5.1	1.40	4.7	1.30
	7	6	6.5	1.60	6.1	1.50	5.8	1.40	5.6	1.30	5.4	1.30	5.0	1.20
	9	8	6.6	1.50	6.2	1.40	5.8	1.30	5.7	1.30	5.5	1.20	5.1	1.20
	11	10	6.6	1.50	6.2	1.40	5.8	1.30	5.7	1.30	5.5	1.20	5.1	1.10
	13	12	6.6	1.40	6.2	1.30	5.8	1.30	5.7	1.20	5.5	1.20	5.1	1.10
	15	14	6.6	1.40	6.2	1.30	5.8	1.20	5.7	1.20	5.5	1.10	5.1	1.10
50%	-20	-20	5.1	2.70	4.8	2.50	4.5	2.40	4.4	2.30	4.2	2.20	4.0	2.00
	-19	-19	5.1	2.60	4.8	2.40	4.5	2.30	4.4	2.20	4.2	2.10	4.0	2.00
	-17	-17	5.1	2.40	4.8	2.30	4.5	2.10	4.4	2.10	4.2	2.00	4.0	1.90
	-15	-15	5.1	2.40	4.8	2.20	4.5	2.10	4.4	2.00	4.2	1.90	4.0	1.80
	-13	-13	5.1	2.20	4.8	2.10	4.5	2.00	4.4	1.90	4.2	1.80	4.0	1.60
	-11	-11	5.1	2.10	4.8	2.00	4.5	1.90	4.4	1.80	4.2	1.80	4.0	1.60
	-10	-10	5.1	2.00	4.8	1.90	4.5	1.80	4.4	1.60	4.2	1.60	4.0	1.50
	-9	-9	5.1	2.00	4.8	1.90	4.5	1.60	4.4	1.60	4.2	1.50	4.0	1.40
	-7	-8	5.1	1.90	4.8	1.80	4.5	1.60	4.4	1.50	4.2	1.50	4.0	1.40
	-5	-6	5.1	1.80	4.8	1.60	4.5	1.50	4.4	1.50	4.2	1.40	4.0	1.30
	-3	-4	5.1	1.60	4.8	1.50	4.5	1.40	4.4	1.40	4.2	1.30	4.0	1.20
	0	-1	5.1	1.50	4.8	1.40	4.5	1.30	4.4	1.30	4.2	1.20	4.0	1.20
	3	2	5.1	1.40	4.8	1.30	4.5	1.30	4.4	1.20	4.2	1.20	4.0	1.10
	5	4	5.1	1.40	4.8	1.30	4.5	1.20	4.4	1.20	4.2	1.10	4.0	1.10
	7	6	5.4	1.30	5.1	1.20	4.8	1.20	4.7	1.10	4.5	1.10	4.2	1.00
	9	8	5.5	1.30	5.2	1.20	4.9	1.10	4.7	1.10	4.6	1.10	4.3	1.00
	11	10	5.5	1.20	5.2	1.20	4.9	1.10	4.7	1.10	4.6	1.00	4.3	1.00
	13	12	5.5	1.20	5.2	1.10	4.9	1.10	4.7	1.00	4.6	1.00	4.3	0.90
	15	14	5.5	1.20	5.2	1.10	4.9	1.00	4.7	1.00	4.6	1.00	4.3	0.90

※ Peak value : Tested without defrost operation in accordance with EN14511

2. Outdoor Units

2-8. Capacity table (A2A)

AE120MXTP⁎H/EU

Heating

Combination % (Capacity index)	Outdoor temperature (°C)		Indoor temperature (DB, °C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	DB	WB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
100%	-20	-20	10.6	4.80	10.5	5.00	10.5	5.10	10.5	5.20	10.5	5.20	10.5	5.30
	-19	-19	10.9	4.90	10.9	5.00	10.8	5.20	10.8	5.20	10.8	5.30	10.8	5.40
	-17	-17	11.5	5.00	11.5	5.20	11.4	5.30	11.4	5.30	11.4	5.40	11.4	5.50
	-15	-15	12.1	5.30	12.1	5.40	12.1	5.50	12.0	5.60	12.0	5.60	11.4	5.30
	-13	-13	12.8	5.40	12.8	5.50	12.5	5.60	12.7	5.60	12.3	5.40	11.4	4.90
	-11	-11	13.4	5.50	13.4	5.60	12.7	5.50	12.7	5.30	12.3	5.10	11.4	4.60
	-10	-10	13.7	5.30	13.7	5.40	12.7	5.10	12.7	4.90	12.3	4.70	11.4	4.40
	-9	-9	14.0	5.40	13.9	5.40	12.7	5.00	12.7	4.80	12.3	4.60	11.4	4.30
	-7	-8	14.5	5.40	13.9	5.20	12.7	4.80	12.7	4.60	12.3	4.40	11.4	4.00
	-5	-6	14.7	5.30	13.9	4.90	12.7	4.60	12.7	4.40	12.3	4.20	11.4	3.80
	-3	-4	14.7	4.80	13.9	4.50	12.7	4.20	12.7	3.90	12.3	3.80	11.4	3.50
	0	-1	14.7	4.50	13.9	4.20	12.7	3.80	12.7	3.70	12.3	3.50	11.4	3.20
	3	2	14.7	4.20	13.9	3.80	12.7	3.60	12.7	3.40	12.3	3.30	11.4	3.10
	5	4	14.7	3.90	13.9	3.70	12.7	3.40	12.7	3.30	12.3	3.20	11.4	2.90
	7	6	14.7	3.80	13.9	3.50	12.7	3.30	12.7	3.20	12.3	3.00	11.4	2.80
	9	8	14.7	3.60	13.9	3.40	13.0	3.10	12.7	3.00	12.3	2.90	11.4	2.70
	11	10	14.7	3.50	13.9	3.20	13.0	3.00	12.7	2.90	12.3	2.80	11.4	2.60
	13	12	14.7	3.30	13.9	3.10	13.0	2.90	12.7	2.80	12.3	2.70	11.4	2.40
	15	14	14.7	3.20	13.9	3.00	13.0	2.80	12.7	2.70	12.3	2.60	11.4	2.30
90%	-20	-20	10.5	5.60	10.5	5.70	10.5	5.90	10.5	6.00	10.5	6.00	10.3	6.00
	-19	-19	10.8	5.60	10.8	5.70	10.8	6.00	10.8	6.00	10.8	6.10	10.3	5.70
	-17	-17	11.4	5.70	11.4	6.00	11.4	6.10	11.4	6.10	11.0	5.90	10.3	5.30
	-15	-15	12.1	6.10	12.0	6.20	11.8	6.10	11.4	5.90	11.0	5.50	10.3	5.10
	-13	-13	12.8	6.20	12.6	6.20	11.8	5.60	11.4	5.40	11.0	5.20	10.3	4.80
	-11	-11	13.3	6.30	12.6	5.70	11.8	5.30	11.4	5.10	11.0	4.90	10.3	4.50
	-10	-10	13.3	5.90	12.6	5.40	11.8	5.00	11.4	4.80	11.0	4.60	10.3	4.20
	-9	-9	13.3	5.60	12.6	5.20	11.8	4.90	11.4	4.70	11.0	4.50	10.3	4.20
	-7	-8	13.3	5.40	12.6	5.00	11.8	4.70	11.4	4.50	11.0	4.30	10.3	3.90
	-5	-6	13.3	5.10	12.6	4.80	11.8	4.40	11.4	4.30	11.0	4.00	10.3	3.70
	-3	-4	13.3	4.70	12.6	4.30	11.8	4.00	11.4	3.80	11.0	3.70	10.3	3.40
	0	-1	13.3	4.30	12.6	4.00	11.8	3.70	11.4	3.60	11.0	3.40	10.3	3.20
	3	2	13.3	4.00	12.6	3.70	11.8	3.50	11.4	3.30	11.0	3.20	10.3	3.00
	5	4	13.3	3.80	12.6	3.60	11.8	3.30	11.4	3.20	11.0	3.10	10.3	2.90
	7	6	13.3	3.70	12.6	3.40	11.8	3.20	11.4	3.10	11.0	3.00	10.3	2.80
	9	8	13.3	3.50	12.6	3.30	11.8	3.10	11.4	2.90	11.0	2.90	10.3	2.60
	11	10	13.3	3.40	12.6	3.20	11.8	3.00	11.4	2.90	11.0	2.80	10.3	2.60
	13	12	13.3	3.30	12.6	3.10	11.8	2.90	11.4	2.80	11.0	2.70	10.3	2.40
	15	14	13.3	3.20	12.6	3.00	11.8	2.80	11.4	2.70	11.0	2.60	10.3	2.30
80%	-20	-20	10.5	5.90	10.5	6.00	10.5	6.10	10.2	5.90	9.8	5.60	9.1	5.10
	-19	-19	10.8	6.00	10.8	6.10	10.5	5.90	10.2	5.60	9.8	5.40	9.1	4.90
	-17	-17	11.4	6.10	11.1	6.00	10.5	5.40	10.2	5.20	9.8	5.00	9.1	4.60
	-15	-15	11.8	6.10	11.1	5.60	10.5	5.20	10.2	5.00	9.8	4.80	9.1	4.40
	-13	-13	11.8	5.70	11.1	5.30	10.5	4.90	10.2	4.70	9.8	4.50	9.1	4.20
	-11	-11	11.8	5.30	11.1	5.00	10.5	4.60	10.2	4.50	9.8	4.30	9.1	3.90
	-10	-10	11.8	5.00	11.1	4.70	10.5	4.30	10.2	4.20	9.8	3.90	9.1	3.60
	-9	-9	11.8	4.90	11.1	4.60	10.5	4.20	10.2	4.00	9.8	3.80	9.1	3.50
	-7	-8	11.8	4.70	11.1	4.40	10.5	4.00	10.2	3.80	9.8	3.70	9.1	3.40
	-5	-6	11.8	4.50	11.1	4.20	10.5	3.80	10.2	3.70	9.8	3.50	9.1	3.30
	-3	-4	11.8	4.00	11.1	3.70	10.5	3.50	10.2	3.30	9.8	3.20	9.1	3.00
	0	-1	11.8	3.70	11.1	3.50	10.5	3.20	10.2	3.10	9.8	3.00	9.1	2.80
	3	2	11.8	3.50	11.1	3.30	10.5	3.10	10.2	2.90	9.8	2.80	9.1	2.60
	5	4	11.8	3.40	11.1	3.10	10.5	2.90	10.2	2.80	9.8	2.70	9.1	2.60
	7	6	11.8	3.20	11.1	3.00	10.5	2.80	10.2	2.70	9.8	2.60	9.1	2.40
	9	8	11.8	3.10	11.1	2.90	10.5	2.70	10.2	2.60	9.8	2.40	9.1	2.30
	11	10	11.8	3.00	11.1	2.80	10.5	2.60	10.2	2.40	9.8	2.30	9.1	2.20
	13	12	11.8	2.90	11.1	2.70	10.5	2.40	10.2	2.30	9.8	2.30	9.1	2.10
	15	14	11.8	2.80	11.1	2.60	10.5	2.40	10.2	2.30	9.8	2.20	9.1	2.10

※ Peak value : Tested without defrost operation in accordance with EN14511

2. Outdoor Units

2-8. Capacity table (A2A)

AE120MXTP✱H/EU

Heating

Combination % (Capacity index)	Outdoor temperature (°C)		Indoor temperature (DB, °C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	DB	WB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
70%	-20	-20	10.4	6.10	9.8	5.50	9.1	5.10	8.8	5.00	8.5	4.80	8.0	4.40
	-19	-19	10.4	5.70	9.8	5.30	9.1	5.00	8.8	4.80	8.5	4.60	8.0	4.20
	-17	-17	10.4	5.30	9.8	5.00	9.1	4.60	8.8	4.50	8.5	4.30	8.0	3.90
	-15	-15	10.4	5.10	9.8	4.80	9.1	4.50	8.8	4.30	8.5	4.00	8.0	3.70
	-13	-13	10.4	4.80	9.8	4.50	9.1	4.20	8.8	4.00	8.5	3.80	8.0	3.50
	-11	-11	10.4	4.60	9.8	4.30	9.1	3.90	8.8	3.70	8.5	3.60	8.0	3.30
	-10	-10	10.4	4.30	9.8	3.90	9.1	3.60	8.8	3.50	8.5	3.40	8.0	3.10
	-9	-9	10.4	4.20	9.8	3.80	9.1	3.60	8.8	3.40	8.5	3.30	8.0	3.10
	-7	-8	10.4	3.90	9.8	3.70	9.1	3.40	8.8	3.30	8.5	3.20	8.0	3.00
	-5	-6	10.4	3.70	9.8	3.50	9.1	3.30	8.8	3.20	8.5	3.00	8.0	2.80
	-3	-4	10.4	3.40	9.8	3.20	9.1	3.00	8.8	2.90	8.5	2.80	8.0	2.60
	0	-1	10.4	3.20	9.8	3.00	9.1	2.80	8.8	2.70	8.5	2.60	8.0	2.30
	3	2	10.4	3.00	9.8	2.80	9.1	2.70	8.8	2.60	8.5	2.40	8.0	2.20
	5	4	10.4	2.90	9.8	2.70	9.1	2.60	8.8	2.40	8.5	2.30	8.0	2.10
	7	6	10.4	2.80	9.8	2.60	9.1	2.40	8.8	2.30	8.5	2.20	8.0	2.00
	9	8	10.4	2.70	9.8	2.40	9.1	2.30	8.8	2.20	8.5	2.10	8.0	2.00
	11	10	10.4	2.60	9.8	2.30	9.1	2.20	8.8	2.10	8.5	2.00	8.0	1.90
	13	12	10.4	2.40	9.8	2.30	9.1	2.10	8.8	2.10	8.5	2.00	8.0	1.80
	15	14	10.4	2.30	9.8	2.20	9.1	2.10	8.8	2.00	8.5	1.90	8.0	1.80
60%	-20	-20	8.8	5.00	8.3	4.60	7.8	4.30	7.6	4.00	7.3	3.90	6.8	3.60
	-19	-19	8.8	4.80	8.3	4.50	7.8	4.20	7.6	3.90	7.3	3.80	6.8	3.50
	-17	-17	8.8	4.50	8.3	4.20	7.8	3.80	7.6	3.70	7.3	3.50	6.8	3.30
	-15	-15	8.8	4.30	8.3	3.90	7.8	3.70	7.6	3.50	7.3	3.40	6.8	3.10
	-13	-13	8.8	3.90	8.3	3.70	7.8	3.50	7.6	3.30	7.3	3.20	6.8	3.00
	-11	-11	8.8	3.70	8.3	3.50	7.8	3.30	7.6	3.20	7.3	3.10	6.8	2.80
	-10	-10	8.8	3.50	8.3	3.30	7.8	3.10	7.6	3.00	7.3	2.90	6.8	2.70
	-9	-9	8.8	3.40	8.3	3.20	7.8	3.00	7.6	2.90	7.3	2.80	6.8	2.60
	-7	-8	8.8	3.30	8.3	3.10	7.8	2.90	7.6	2.80	7.3	2.70	6.8	2.40
	-5	-6	8.8	3.20	8.3	3.00	7.8	2.80	7.6	2.70	7.3	2.60	6.8	2.30
	-3	-4	8.8	2.90	8.3	2.70	7.8	2.40	7.6	2.40	7.3	2.30	6.8	2.10
	0	-1	8.8	2.70	8.3	2.60	7.8	2.30	7.6	2.20	7.3	2.10	6.8	2.00
	3	2	8.8	2.60	8.3	2.30	7.8	2.20	7.6	2.10	7.3	2.00	6.8	1.90
	5	4	8.8	2.40	8.3	2.20	7.8	2.10	7.6	2.00	7.3	2.00	6.8	1.80
	7	6	8.8	2.30	8.3	2.10	7.8	2.00	7.6	2.00	7.3	1.90	6.8	1.80
	9	8	8.8	2.20	8.3	2.10	7.8	1.90	7.6	1.90	7.3	1.80	6.8	1.70
	11	10	8.8	2.10	8.3	2.00	7.8	1.90	7.6	1.80	7.3	1.80	6.8	1.60
	13	12	8.8	2.10	8.3	1.90	7.8	1.80	7.6	1.80	7.3	1.70	6.8	1.60
	15	14	8.8	2.00	8.3	1.90	7.8	1.80	7.6	1.70	7.3	1.70	6.8	1.60
50%	-20	-20	7.4	3.90	6.9	3.70	6.5	3.40	6.3	3.30	6.1	3.20	5.7	3.00
	-19	-19	7.4	3.80	6.9	3.50	6.5	3.30	6.3	3.20	6.1	3.10	5.7	2.90
	-17	-17	7.4	3.50	6.9	3.30	6.5	3.10	6.3	3.00	6.1	2.90	5.7	2.70
	-15	-15	7.4	3.40	6.9	3.20	6.5	3.00	6.3	2.90	6.1	2.80	5.7	2.60
	-13	-13	7.4	3.20	6.9	3.00	6.5	2.80	6.3	2.70	6.1	2.70	5.7	2.40
	-11	-11	7.4	3.10	6.9	2.90	6.5	2.70	6.3	2.60	6.1	2.40	5.7	2.30
	-10	-10	7.4	2.90	6.9	2.70	6.5	2.40	6.3	2.40	6.1	2.30	5.7	2.10
	-9	-9	7.4	2.80	6.9	2.70	6.5	2.40	6.3	2.30	6.1	2.20	5.7	2.10
	-7	-8	7.4	2.70	6.9	2.60	6.5	2.30	6.3	2.20	6.1	2.20	5.7	2.00
	-5	-6	7.4	2.60	6.9	2.40	6.5	2.20	6.3	2.10	6.1	2.10	5.7	1.90
	-3	-4	7.4	2.30	6.9	2.20	6.5	2.00	6.3	2.00	6.1	1.90	5.7	1.80
	0	-1	7.4	2.20	6.9	2.00	6.5	1.90	6.3	1.90	6.1	1.80	5.7	1.70
	3	2	7.4	2.00	6.9	1.90	6.5	1.80	6.3	1.80	6.1	1.70	5.7	1.60
	5	4	7.4	2.00	6.9	1.90	6.5	1.80	6.3	1.70	6.1	1.70	5.7	1.60
	7	6	7.4	1.90	6.9	1.80	6.5	1.70	6.3	1.60	6.1	1.60	5.7	1.50
	9	8	7.4	1.80	6.9	1.70	6.5	1.60	6.3	1.60	6.1	1.50	5.7	1.40
	11	10	7.4	1.80	6.9	1.70	6.5	1.60	6.3	1.50	6.1	1.50	5.7	1.40
	13	12	7.4	1.70	6.9	1.60	6.5	1.50	6.3	1.50	6.1	1.40	5.7	1.40
	15	14	7.4	1.70	6.9	1.60	6.5	1.50	6.3	1.50	6.1	1.40	5.7	1.30

※ Peak value : Tested without defrost operation in accordance with EN14511

2. Outdoor Units

2-8. Capacity table (A2A)

AE160MXTP⚹H/EU

Heating

Combination % (Capacity index)	Outdoor temperature (°C)		Indoor temperature (DB, °C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	DB	WB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
100%	-20	-20	10.9	3.60	10.9	3.80	10.9	4.00	10.9	4.10	10.9	4.20	10.9	4.40
	-19	-19	11.2	3.70	11.0	3.90	10.9	4.10	11.0	4.20	11.0	4.30	10.9	4.40
	-17	-17	11.8	3.90	11.8	4.10	11.7	4.30	11.8	4.30	11.8	4.40	11.8	4.60
	-15	-15	12.3	4.20	12.2	4.40	12.2	4.50	12.3	4.60	12.3	4.70	12.3	4.80
	-13	-13	13.0	4.40	12.8	4.50	12.6	4.70	13.0	4.70	13.0	4.80	12.8	5.00
	-11	-11	13.6	4.50	13.6	4.60	13.3	4.80	13.6	4.90	13.4	4.90	13.4	5.00
	-10	-10	13.9	4.40	14.2	4.50	13.6	4.60	13.8	4.70	13.8	4.80	13.8	4.90
	-9	-9	14.1	4.40	14.4	4.60	13.8	4.70	14.1	4.80	14.1	4.80	13.9	5.00
	-7	-8	14.6	4.50	14.6	4.60	13.9	4.80	14.4	4.80	14.4	4.90	14.4	5.00
	-5	-6	15.0	4.60	14.9	4.70	14.6	4.90	15.0	4.90	15.0	5.00	14.9	5.00
	-3	-4	15.2	4.50	15.0	4.60	14.7	4.70	15.1	4.80	15.1	4.80	14.4	4.60
	0	-1	16.1	4.60	16.0	4.70	15.6	4.80	15.9	4.80	15.4	4.60	14.4	4.20
	3	2	17.0	4.70	17.0	4.80	16.0	4.70	15.9	4.50	15.4	4.30	14.4	3.90
	5	4	17.6	4.80	17.5	4.90	16.0	4.50	15.9	4.30	15.4	4.10	14.4	3.80
	7	6	18.1	4.80	17.6	4.60	16.0	4.30	15.9	4.10	15.4	3.90	14.4	3.60
	9	8	18.6	4.70	17.6	4.40	16.2	4.00	15.9	3.90	15.4	3.70	14.4	3.50
	11	10	18.6	4.50	17.6	4.20	16.2	3.90	15.9	3.70	15.4	3.60	14.4	3.40
	13	12	18.6	4.40	17.6	4.00	16.2	3.70	15.9	3.60	15.4	3.50	14.4	3.20
	15	14	18.6	4.20	17.6	3.90	16.2	3.60	15.9	3.60	15.4	3.40	14.4	3.10
90%	-20	-20	10.9	4.00	10.9	4.10	10.9	4.30	10.9	4.40	10.9	4.40	10.9	4.60
	-19	-19	11.0	4.00	11.0	4.20	11.0	4.40	10.9	4.40	10.9	4.50	10.9	4.70
	-17	-17	11.8	4.20	11.8	4.40	11.8	4.50	11.8	4.60	11.8	4.70	11.8	4.80
	-15	-15	12.3	4.50	12.3	4.60	12.3	4.80	12.3	4.90	12.3	4.90	12.2	5.00
	-13	-13	13.0	4.60	13.0	4.80	13.0	4.90	12.8	5.00	12.8	5.00	12.8	5.10
	-11	-11	13.6	4.70	13.6	4.90	13.4	5.00	13.4	5.00	13.4	5.00	13.4	5.20
	-10	-10	13.8	4.60	13.8	4.70	13.8	4.90	13.8	4.90	13.8	5.00	13.6	5.00
	-9	-9	14.1	4.70	14.1	4.80	14.1	4.90	13.9	5.00	13.9	5.00	13.6	4.90
	-7	-8	14.4	4.70	14.4	4.90	14.4	5.00	14.4	5.00	14.4	5.00	13.4	4.70
	-5	-6	15.0	4.80	15.0	4.90	15.0	5.00	14.9	5.00	14.4	4.80	13.4	4.40
	-3	-4	15.1	4.70	15.1	4.80	14.8	4.70	14.4	4.50	14.0	4.40	12.9	4.00
	0	-1	16.0	4.80	15.7	4.80	14.8	4.40	14.4	4.20	14.0	4.00	12.9	3.70
	3	2	16.7	4.80	15.7	4.40	14.8	4.10	14.4	3.90	14.0	3.80	12.9	3.50
	5	4	16.7	4.60	15.7	4.20	14.8	3.90	14.4	3.80	14.0	3.60	12.9	3.40
	7	6	16.7	4.30	15.7	4.00	14.8	3.70	14.4	3.60	14.0	3.50	12.9	3.20
	9	8	16.7	4.10	15.7	3.80	14.8	3.60	14.4	3.50	14.0	3.40	12.9	3.10
	11	10	16.7	4.00	15.7	3.70	14.8	3.50	14.4	3.40	14.0	3.20	12.9	3.00
	13	12	16.7	3.80	15.7	3.60	14.8	3.40	14.4	3.20	14.0	3.10	12.9	2.90
	15	14	16.7	3.70	15.7	3.50	14.8	3.30	14.4	3.10	14.0	3.00	12.9	2.80
80%	-20	-20	10.9	4.30	10.9	4.40	10.9	4.60	10.9	4.60	10.7	4.70	10.7	4.90
	-19	-19	11.0	4.40	10.9	4.50	10.9	4.60	10.9	4.70	10.9	4.80	10.9	4.90
	-17	-17	11.8	4.50	11.8	4.60	11.8	4.80	11.8	4.80	11.7	4.90	11.7	5.00
	-15	-15	12.3	4.80	12.3	4.90	12.2	5.00	12.2	5.00	12.2	5.10	12.2	5.20
	-13	-13	13.0	4.90	12.8	5.00	12.8	5.00	12.8	5.10	12.8	5.20	12.2	4.90
	-11	-11	13.4	5.00	13.4	5.00	13.4	5.10	13.3	5.20	13.0	5.00	12.2	4.60
	-10	-10	13.8	4.90	13.8	5.00	13.8	5.00	13.3	4.90	13.0	4.70	12.2	4.30
	-9	-9	14.1	4.90	13.9	5.00	13.8	5.00	13.3	4.80	13.0	4.60	12.2	4.20
	-7	-8	14.4	5.00	14.4	5.00	13.6	4.80	13.1	4.60	12.8	4.40	12.0	4.00
	-5	-6	15.0	5.00	14.6	4.90	13.6	4.50	13.1	4.30	12.8	4.20	12.0	3.80
	-3	-4	14.9	4.80	14.0	4.40	13.2	4.10	12.7	3.90	12.4	3.70	11.5	3.50
	0	-1	14.9	4.40	14.0	4.10	13.2	3.80	12.7	3.60	12.4	3.60	11.5	3.30
	3	2	14.9	4.10	14.0	3.80	13.2	3.60	12.7	3.50	12.4	3.30	11.5	3.10
	5	4	14.9	3.90	14.0	3.70	13.2	3.50	12.7	3.30	12.4	3.20	11.5	3.00
	7	6	14.9	3.70	14.0	3.60	13.2	3.30	12.7	3.20	12.4	3.10	11.5	2.80
	9	8	14.9	3.60	14.0	3.40	13.2	3.20	12.7	3.00	12.4	2.90	11.5	2.70
	11	10	14.9	3.50	14.0	3.30	13.2	3.00	12.7	2.90	12.4	2.80	11.5	2.60
	13	12	14.9	3.40	14.0	3.20	13.2	2.90	12.7	2.80	12.4	2.70	11.5	2.50
	15	14	14.9	3.30	14.0	3.10	13.2	2.80	12.7	2.70	12.4	2.60	11.5	2.40

※ Peak value : Tested without defrost operation in accordance with EN14511

2. Outdoor Units

2-8. Capacity table (A2A)

AE160MXTP✱H/EU

Heating

Combination % (Capacity index)	Outdoor temperature (°C)		Indoor temperature (DB, °C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	DB	WB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
70%	-20	-20	10.7	4.70	10.7	4.80	10.6	4.90	10.6	5.00	10.4	4.90	9.8	4.40
	-19	-19	10.7	4.80	10.7	4.90	10.7	5.00	10.6	4.90	10.2	4.70	9.6	4.20
	-17	-17	11.7	4.90	11.5	5.00	11.0	4.70	10.7	4.50	10.4	4.30	9.8	3.90
	-15	-15	12.0	5.00	11.5	4.90	10.9	4.50	10.6	4.30	10.2	4.10	9.6	3.80
	-13	-13	12.2	4.90	11.5	4.60	10.9	4.20	10.6	4.00	10.2	3.90	9.6	3.60
	-11	-11	12.2	4.60	11.5	4.30	10.9	3.90	10.6	3.80	10.2	3.60	9.6	3.40
	-10	-10	12.2	4.30	11.5	4.00	10.9	3.70	10.6	3.60	10.2	3.50	9.6	3.20
	-9	-9	12.2	4.20	11.5	3.90	10.9	3.60	10.6	3.50	10.2	3.40	9.6	3.10
	-7	-8	12.0	4.00	11.4	3.70	10.7	3.50	10.4	3.40	10.1	3.30	9.4	3.00
	-5	-6	12.0	3.80	11.4	3.60	10.7	3.30	10.4	3.20	10.1	3.10	9.4	2.80
	-3	-4	11.6	3.50	10.9	3.30	10.2	3.00	9.9	2.90	9.6	2.80	9.0	2.60
	0	-1	11.6	3.30	10.9	3.00	10.2	2.80	9.9	2.70	9.6	2.60	9.0	2.40
	3	2	11.6	3.00	10.9	2.80	10.2	2.60	9.9	2.50	9.6	2.40	9.0	2.20
	5	4	11.6	2.90	10.9	2.70	10.2	2.50	9.9	2.40	9.6	2.30	9.0	2.20
	7	6	11.6	2.80	10.9	2.60	10.2	2.40	9.9	2.30	9.6	2.20	9.0	2.20
	9	8	11.6	2.60	10.9	2.50	10.2	2.30	9.9	2.20	9.6	2.20	9.0	2.10
	11	10	11.6	2.50	10.9	2.40	10.2	2.20	9.9	2.20	9.6	2.10	9.0	2.00
	13	12	11.6	2.50	10.9	2.30	10.2	2.20	9.9	2.10	9.6	2.10	9.0	1.90
	15	14	11.6	2.40	10.9	2.20	10.2	2.20	9.9	2.10	9.6	2.00	9.0	1.90
60%	-20	-20	9.8	5.00	9.3	4.70	8.8	4.30	8.5	4.10	8.2	4.00	7.6	3.60
	-19	-19	9.9	4.90	9.3	4.50	8.8	4.20	8.5	4.00	8.2	3.80	7.6	3.60
	-17	-17	9.9	4.50	9.3	4.20	8.8	3.80	8.5	3.70	8.2	3.60	7.6	3.30
	-15	-15	9.9	4.30	9.3	4.00	8.8	3.70	8.5	3.60	8.2	3.50	7.6	3.20
	-13	-13	9.9	4.00	9.3	3.70	8.8	3.60	8.5	3.40	8.2	3.30	7.6	3.00
	-11	-11	9.9	3.80	9.3	3.60	8.8	3.40	8.5	3.20	8.2	3.10	7.6	2.80
	-10	-10	9.9	3.60	9.3	3.40	8.8	3.10	8.5	3.00	8.2	2.90	7.6	2.70
	-9	-9	9.9	3.50	9.3	3.30	8.8	3.00	8.5	2.90	8.2	2.80	7.6	2.60
	-7	-8	9.9	3.40	9.3	3.10	8.8	2.90	8.5	2.80	8.2	2.70	7.6	2.50
	-5	-6	9.9	3.20	9.3	3.00	8.8	2.80	8.5	2.70	8.2	2.60	7.6	2.40
	-3	-4	9.9	2.90	9.3	2.70	8.8	2.50	8.5	2.40	8.2	2.30	7.6	2.20
	0	-1	9.9	2.70	9.3	2.50	8.8	2.30	8.5	2.30	8.2	2.20	7.6	2.10
	3	2	9.9	2.50	9.3	2.40	8.8	2.20	8.5	2.20	8.2	2.10	7.6	2.00
	5	4	9.9	2.40	9.3	2.30	8.8	2.20	8.5	2.10	8.2	2.10	7.6	1.90
	7	6	9.9	2.30	9.3	2.20	8.8	2.10	8.5	2.00	8.2	2.00	7.6	1.80
	9	8	9.9	2.20	9.3	2.20	8.8	2.00	8.5	2.00	8.2	1.90	7.6	1.70
	11	10	9.9	2.20	9.3	2.10	8.8	2.00	8.5	1.90	8.2	1.80	7.6	1.70
	13	12	9.9	2.10	9.3	2.00	8.8	1.90	8.5	1.80	8.2	1.80	7.6	1.60
	15	14	9.9	2.10	9.3	2.00	8.8	1.80	8.5	1.80	8.2	1.70	7.6	1.60
50%	-20	-20	8.3	4.00	7.8	3.70	7.3	3.50	7.1	3.40	6.8	3.20	6.4	3.00
	-19	-19	8.3	3.80	7.8	3.60	7.3	3.40	7.1	3.30	6.8	3.10	6.4	2.90
	-17	-17	8.3	3.60	7.8	3.40	7.3	3.20	7.1	3.00	6.8	2.90	6.4	2.70
	-15	-15	8.3	3.50	7.8	3.30	7.3	3.00	7.1	2.90	6.8	2.80	6.4	2.60
	-13	-13	8.3	3.30	7.8	3.10	7.3	2.90	7.1	2.70	6.8	2.60	6.4	2.40
	-11	-11	8.3	3.10	7.8	2.90	7.3	2.70	7.1	2.60	6.8	2.50	6.4	2.30
	-10	-10	8.3	2.90	7.8	2.70	7.3	2.50	7.1	2.40	6.8	2.30	6.4	2.20
	-9	-9	8.3	2.80	7.8	2.60	7.3	2.50	7.1	2.40	6.8	2.30	6.4	2.20
	-7	-8	8.3	2.70	7.8	2.50	7.3	2.40	7.1	2.30	6.8	2.20	6.4	2.10
	-5	-6	8.3	2.60	7.8	2.40	7.3	2.20	7.1	2.20	6.8	2.20	6.4	2.00
	-3	-4	8.3	2.30	7.8	2.20	7.3	2.10	7.1	2.10	6.8	2.00	6.4	1.80
	0	-1	8.3	2.20	7.8	2.10	7.3	2.00	7.1	1.90	6.8	1.90	6.4	1.70
	3	2	8.3	2.10	7.8	2.00	7.3	1.90	7.1	1.80	6.8	1.80	6.4	1.60
	5	4	8.3	2.10	7.8	1.90	7.3	1.80	7.1	1.80	6.8	1.70	6.4	1.60
	7	6	8.3	2.00	7.8	1.90	7.3	1.70	7.1	1.70	6.8	1.60	6.4	1.50
	9	8	8.3	1.90	7.8	1.80	7.3	1.70	7.1	1.60	6.8	1.50	6.4	1.40
	11	10	8.3	1.80	7.8	1.70	7.3	1.60	7.1	1.60	6.8	1.50	6.4	1.40
	13	12	8.3	1.80	7.8	1.70	7.3	1.60	7.1	1.50	6.8	1.50	6.4	1.40
	15	14	8.3	1.70	7.8	1.60	7.3	1.50	7.1	1.50	6.8	1.40	6.4	1.30

※ Peak value : Tested without defrost operation in accordance with EN14511

2. Outdoor Units

2-8. Capacity table (A2A)

AE044MXTPEH/EU

Cooling

Combination % (Capacity index)	Outdoor temperature (°C, DB)	Indoor temperature (WB, °C)													
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	DB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
100%	10	3.0	0.47	3.6	0.53	4.2	0.65	4.5	0.70	4.7	0.76	5.3	0.82	5.9	0.94
	12	3.0	0.47	3.6	0.53	4.2	0.65	4.5	0.70	4.7	0.76	5.3	0.88	5.9	0.94
	14	3.0	0.47	3.6	0.53	4.1	0.65	4.5	0.70	4.7	0.76	5.3	0.88	5.9	1.00
	16	3.0	0.47	3.6	0.59	4.1	0.65	4.5	0.70	4.7	0.76	5.3	0.88	5.9	1.00
	18	3.0	0.47	3.6	0.59	4.1	0.70	4.5	0.76	4.7	0.82	5.3	0.94	5.9	1.11
	20	3.0	0.47	3.6	0.59	4.1	0.70	4.5	0.76	4.7	0.88	5.3	1.00	5.8	1.17
	21	3.0	0.47	3.6	0.59	4.1	0.70	4.5	0.82	4.7	0.88	5.3	1.06	5.8	1.23
	23	3.0	0.53	3.6	0.65	4.1	0.76	4.5	0.88	4.7	0.94	5.3	1.11	5.8	1.29
	25	3.0	0.53	3.6	0.70	4.1	0.82	4.4	0.94	4.7	1.00	5.3	1.23	5.7	1.35
	27	3.0	0.59	3.6	0.70	4.1	0.88	4.4	1.00	4.7	1.06	5.3	1.29	5.7	1.41
	29	3.0	0.59	3.6	0.76	4.1	0.94	4.4	1.06	4.7	1.17	5.3	1.41	5.6	1.47
	31	3.0	0.65	3.6	0.82	4.1	1.00	4.4	1.11	4.7	1.23	5.3	1.47	5.5	1.52
	33	3.0	0.70	3.6	0.88	4.1	1.06	4.4	1.17	4.7	1.29	5.3	1.58	5.3	1.58
	35	3.0	0.70	3.5	0.94	4.1	1.17	4.4	1.29	4.7	1.41	5.2	1.64	5.3	1.64
	37	2.9	0.76	3.5	1.00	4.0	1.23	4.3	1.35	4.5	1.52	4.9	1.70	5.0	1.70
	39	2.8	0.82	3.4	1.06	3.9	1.29	4.2	1.47	4.5	1.58	4.7	1.76	4.8	1.76
	42	2.8	0.88	3.4	1.11	3.9	1.41	4.2	1.52	4.5	1.70	4.7	1.82	4.8	1.82
	44	2.8	0.94	3.4	1.17	3.9	1.47	4.2	1.64	4.5	1.82	4.6	1.88	4.7	1.88
	46	2.8	0.94	3.4	1.23	3.9	1.52	4.2	1.70	4.5	1.88	4.5	1.94	4.7	1.94
90%	10	2.7	0.41	3.2	0.47	3.8	0.59	4.0	0.59	4.3	0.65	4.8	0.76	5.3	0.82
	12	2.7	0.41	3.2	0.47	3.8	0.59	4.0	0.65	4.3	0.65	4.8	0.76	5.3	0.88
	14	2.7	0.41	3.2	0.47	3.8	0.59	4.0	0.65	4.3	0.70	4.8	0.76	5.3	0.88
	16	2.7	0.41	3.2	0.53	3.8	0.59	4.0	0.65	4.3	0.70	4.8	0.76	5.3	0.88
	18	2.7	0.41	3.2	0.53	3.8	0.59	4.0	0.65	4.3	0.70	4.8	0.82	5.3	0.94
	20	2.7	0.41	3.2	0.53	3.7	0.65	4.0	0.65	4.3	0.70	4.8	0.88	5.3	1.00
	21	2.7	0.41	3.2	0.53	3.7	0.65	4.0	0.70	4.2	0.76	4.8	0.88	5.3	1.06
	23	2.7	0.47	3.2	0.53	3.7	0.65	4.0	0.76	4.2	0.82	4.8	0.94	5.3	1.11
	25	2.7	0.47	3.2	0.59	3.7	0.70	4.0	0.76	4.2	0.88	4.8	1.06	5.3	1.23
	27	2.7	0.47	3.2	0.65	3.7	0.76	4.0	0.82	4.2	0.94	4.7	1.11	5.3	1.29
	29	2.7	0.53	3.2	0.65	3.7	0.82	4.0	0.88	4.2	1.00	4.7	1.17	5.3	1.35
	31	2.7	0.59	3.2	0.70	3.7	0.88	4.0	0.94	4.2	1.06	4.7	1.23	5.3	1.47
	33	2.7	0.59	3.2	0.76	3.7	0.94	4.0	1.00	4.2	1.11	4.7	1.35	5.3	1.58
	35	2.7	0.65	3.2	0.82	3.7	1.00	4.0	1.11	4.2	1.17	4.7	1.41	5.2	1.64
	37	2.6	0.65	3.1	0.88	3.6	1.06	3.8	1.17	4.1	1.29	4.6	1.52	4.9	1.70
	39	2.5	0.70	3.0	0.88	3.5	1.11	3.8	1.23	4.0	1.35	4.5	1.64	4.7	1.76
	42	2.5	0.76	3.0	0.94	3.5	1.17	3.8	1.29	4.0	1.47	4.5	1.70	4.7	1.82
	44	2.5	0.76	3.0	1.00	3.5	1.23	3.8	1.41	4.0	1.52	4.5	1.82	4.6	1.88
	46	2.5	0.82	3.0	1.06	3.5	1.35	3.8	1.47	4.0	1.58	4.5	1.94	4.5	1.94
80%	10	2.4	0.35	2.9	0.41	3.3	0.47	3.6	0.53	3.8	0.59	4.3	0.65	4.7	0.70
	12	2.4	0.35	2.9	0.41	3.3	0.53	3.6	0.53	3.8	0.59	4.3	0.65	4.7	0.76
	14	2.4	0.35	2.9	0.41	3.3	0.53	3.6	0.53	3.8	0.59	4.3	0.65	4.7	0.76
	16	2.4	0.35	2.9	0.47	3.3	0.53	3.6	0.59	3.8	0.59	4.3	0.70	4.7	0.76
	18	2.4	0.35	2.9	0.47	3.3	0.53	3.6	0.59	3.8	0.59	4.3	0.70	4.7	0.76
	20	2.4	0.35	2.9	0.47	3.3	0.53	3.6	0.59	3.8	0.65	4.3	0.70	4.7	0.82
	21	2.4	0.41	2.8	0.47	3.3	0.53	3.6	0.59	3.8	0.65	4.2	0.76	4.7	0.88
	23	2.4	0.41	2.8	0.47	3.3	0.59	3.5	0.65	3.8	0.70	4.2	0.82	4.7	0.94
	25	2.4	0.41	2.8	0.53	3.3	0.59	3.5	0.65	3.8	0.70	4.2	0.88	4.7	1.00
	27	2.4	0.41	2.8	0.53	3.3	0.65	3.5	0.70	3.8	0.76	4.2	0.94	4.7	1.06
	29	2.4	0.47	2.8	0.59	3.3	0.70	3.5	0.76	3.8	0.82	4.2	1.00	4.7	1.17
	31	2.4	0.47	2.8	0.59	3.3	0.76	3.5	0.82	3.8	0.88	4.2	1.06	4.7	1.23
	33	2.4	0.53	2.8	0.65	3.3	0.76	3.5	0.88	3.8	0.94	4.2	1.11	4.7	1.29
	35	2.4	0.53	2.8	0.70	3.3	0.82	3.5	0.94	3.8	1.00	4.2	1.17	4.7	1.41
	37	2.3	0.59	2.8	0.70	3.2	0.88	3.4	1.00	3.6	1.06	4.1	1.29	4.5	1.47
	39	2.3	0.59	2.7	0.76	3.1	0.94	3.3	1.06	3.6	1.11	4.0	1.35	4.5	1.58
	42	2.3	0.65	2.7	0.82	3.1	1.00	3.3	1.11	3.6	1.23	4.0	1.47	4.5	1.70
	44	2.3	0.70	2.7	0.88	3.1	1.06	3.3	1.17	3.6	1.29	4.0	1.52	4.5	1.76
	46	2.3	0.70	2.7	0.88	3.1	1.11	3.3	1.23	3.6	1.35	4.0	1.58	4.5	1.88

2. Outdoor Units

2-8. Capacity table (A2A)

AE044MXTPEH/EU

Cooling

Combination % (Capacity index)	Outdoor temperature (°C, DB)	Indoor temperature (WB, °C)													
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	DB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
70%	10	2.1	0.29	2.5	0.35	2.9	0.41	3.1	0.47	3.3	0.47	3.7	0.59	4.1	0.65
	12	2.1	0.29	2.5	0.35	2.9	0.41	3.1	0.47	3.3	0.53	3.7	0.59	4.1	0.65
	14	2.1	0.29	2.5	0.35	2.9	0.47	3.1	0.47	3.3	0.53	3.7	0.59	4.1	0.65
	16	2.1	0.29	2.5	0.41	2.9	0.47	3.1	0.47	3.3	0.53	3.7	0.59	4.1	0.65
	18	2.1	0.35	2.5	0.41	2.9	0.47	3.1	0.47	3.3	0.53	3.7	0.59	4.1	0.70
	20	2.1	0.35	2.5	0.41	2.9	0.47	3.1	0.53	3.3	0.53	3.7	0.59	4.1	0.70
	21	2.1	0.35	2.5	0.41	2.9	0.47	3.1	0.53	3.3	0.53	3.7	0.65	4.1	0.70
	23	2.1	0.35	2.5	0.41	2.9	0.47	3.1	0.53	3.3	0.59	3.7	0.65	4.1	0.76
	25	2.1	0.35	2.5	0.41	2.9	0.53	3.1	0.59	3.3	0.59	3.7	0.70	4.1	0.82
	27	2.1	0.35	2.5	0.47	2.9	0.53	3.1	0.59	3.3	0.65	3.7	0.76	4.1	0.88
	29	2.1	0.41	2.5	0.47	2.9	0.59	3.1	0.65	3.3	0.70	3.7	0.82	4.1	0.94
	31	2.1	0.41	2.5	0.53	2.9	0.65	3.1	0.70	3.3	0.76	3.7	0.88	4.1	1.00
	33	2.1	0.41	2.5	0.53	2.9	0.65	3.1	0.70	3.3	0.76	3.7	0.94	4.1	1.06
	35	2.1	0.47	2.5	0.59	2.9	0.70	3.1	0.76	3.3	0.82	3.7	1.00	4.1	1.11
	37	2.0	0.47	2.4	0.59	2.8	0.76	3.0	0.82	3.2	0.88	3.6	1.06	4.0	1.23
	39	1.9	0.53	2.3	0.65	2.8	0.76	3.0	0.88	3.1	0.94	3.5	1.11	3.9	1.29
	42	1.9	0.53	2.3	0.70	2.8	0.82	3.0	0.94	3.1	1.00	3.5	1.17	3.9	1.35
	44	1.9	0.59	2.3	0.70	2.8	0.88	3.0	0.94	3.1	1.06	3.5	1.23	3.9	1.47
	46	1.9	0.59	2.3	0.76	2.8	0.94	3.0	1.00	3.1	1.11	3.5	1.29	3.9	1.52
60%	10	1.8	0.29	2.1	0.29	2.5	0.35	2.7	0.41	2.8	0.41	3.2	0.47	3.5	0.53
	12	1.8	0.29	2.1	0.29	2.5	0.35	2.7	0.41	2.8	0.41	3.2	0.47	3.5	0.53
	14	1.8	0.29	2.1	0.35	2.5	0.35	2.7	0.41	2.8	0.41	3.2	0.47	3.5	0.53
	16	1.8	0.29	2.1	0.35	2.5	0.41	2.7	0.41	2.8	0.41	3.2	0.47	3.5	0.53
	18	1.8	0.29	2.1	0.35	2.5	0.41	2.6	0.41	2.8	0.47	3.2	0.53	3.5	0.59
	20	1.8	0.29	2.1	0.35	2.5	0.41	2.6	0.41	2.8	0.47	3.2	0.53	3.5	0.59
	21	1.8	0.29	2.1	0.35	2.5	0.41	2.6	0.41	2.8	0.47	3.2	0.53	3.5	0.59
	23	1.8	0.29	2.1	0.35	2.5	0.41	2.6	0.41	2.8	0.47	3.2	0.53	3.5	0.65
	25	1.8	0.29	2.1	0.35	2.5	0.41	2.6	0.47	2.8	0.47	3.2	0.59	3.5	0.65
	27	1.8	0.29	2.1	0.35	2.5	0.47	2.6	0.47	2.8	0.53	3.1	0.59	3.5	0.70
	29	1.8	0.35	2.1	0.41	2.5	0.47	2.6	0.53	2.8	0.59	3.1	0.65	3.5	0.76
	31	1.8	0.35	2.1	0.41	2.5	0.53	2.6	0.53	2.8	0.59	3.1	0.70	3.5	0.82
	33	1.8	0.35	2.1	0.47	2.5	0.53	2.6	0.59	2.8	0.65	3.1	0.76	3.5	0.88
	35	1.8	0.41	2.1	0.47	2.5	0.59	2.6	0.65	2.8	0.70	3.1	0.76	3.5	0.94
	37	1.8	0.41	2.1	0.53	2.4	0.59	2.6	0.65	2.7	0.70	3.1	0.82	3.4	1.00
	39	1.7	0.41	2.0	0.53	2.3	0.65	2.5	0.70	2.7	0.76	3.0	0.88	3.3	1.06
	42	1.7	0.47	2.0	0.59	2.3	0.70	2.5	0.76	2.7	0.82	3.0	0.94	3.3	1.11
	44	1.7	0.47	2.0	0.59	2.3	0.70	2.5	0.76	2.7	0.82	3.0	1.00	3.3	1.17
	46	1.7	0.53	2.0	0.65	2.3	0.76	2.5	0.82	2.7	0.88	3.0	1.06	3.3	1.23
50%	10	1.5	0.23	1.8	0.29	2.1	0.29	2.3	0.35	2.4	0.35	2.6	0.41	3.0	0.41
	12	1.5	0.23	1.8	0.29	2.1	0.29	2.2	0.35	2.4	0.35	2.6	0.41	3.0	0.41
	14	1.5	0.23	1.8	0.29	2.1	0.29	2.2	0.35	2.4	0.35	2.6	0.41	3.0	0.47
	16	1.5	0.23	1.8	0.29	2.1	0.29	2.2	0.35	2.4	0.35	2.6	0.41	3.0	0.47
	18	1.5	0.23	1.8	0.29	2.1	0.35	2.2	0.35	2.4	0.35	2.6	0.41	3.0	0.47
	20	1.5	0.23	1.8	0.29	2.1	0.35	2.2	0.35	2.4	0.35	2.6	0.41	3.0	0.47
	21	1.5	0.23	1.8	0.29	2.1	0.35	2.2	0.35	2.4	0.35	2.6	0.41	3.0	0.47
	23	1.5	0.23	1.8	0.29	2.1	0.35	2.2	0.35	2.4	0.41	2.6	0.41	3.0	0.47
	25	1.5	0.23	1.8	0.29	2.1	0.35	2.2	0.35	2.4	0.41	2.6	0.47	3.0	0.53
	27	1.5	0.23	1.8	0.29	2.1	0.35	2.2	0.41	2.3	0.41	2.6	0.47	3.0	0.53
	29	1.5	0.29	1.8	0.35	2.1	0.41	2.2	0.41	2.3	0.47	2.6	0.53	3.0	0.59
	31	1.5	0.29	1.8	0.35	2.1	0.41	2.2	0.47	2.3	0.47	2.6	0.53	3.0	0.65
	33	1.5	0.29	1.8	0.35	2.1	0.41	2.2	0.47	2.3	0.53	2.6	0.59	3.0	0.65
	35	1.5	0.35	1.8	0.41	2.1	0.47	2.2	0.47	2.3	0.53	2.6	0.65	2.9	0.70
	37	1.4	0.35	1.7	0.41	2.0	0.47	2.1	0.53	2.3	0.59	2.6	0.65	2.8	0.76
	39	1.4	0.35	1.7	0.41	1.9	0.53	2.1	0.59	2.2	0.59	2.5	0.70	2.8	0.82
	42	1.4	0.35	1.7	0.47	1.9	0.53	2.1	0.59	2.2	0.65	2.5	0.76	2.8	0.82
	44	1.4	0.41	1.7	0.47	1.9	0.59	2.1	0.65	2.2	0.65	2.5	0.76	2.8	0.88
	46	1.4	0.41	1.7	0.53	1.9	0.59	2.1	0.65	2.2	0.70	2.5	0.82	2.8	0.94

2. Outdoor Units

2-8. Capacity table (A2A)

AE066MXTPEH/EU

Cooling

Combination % (Capacity index)	Outdoor temperature (°C, DB)	Indoor temperature (WB, °C)													
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	DB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
100%	10	4.5	0.67	5.4	0.84	6.2	1.01	6.7	1.01	7.1	1.10	8.0	1.27	8.9	1.43
	12	4.5	0.67	5.4	0.84	6.2	1.01	6.7	1.10	7.1	1.18	8.0	1.35	8.8	1.52
	14	4.5	0.67	5.4	0.84	6.2	1.01	6.7	1.10	7.1	1.18	8.0	1.35	8.8	1.52
	16	4.5	0.67	5.4	0.84	6.2	1.01	6.7	1.10	7.1	1.18	8.0	1.35	8.8	1.60
	18	4.5	0.76	5.4	0.84	6.2	1.01	6.7	1.10	7.1	1.18	8.0	1.43	8.8	1.69
	20	4.5	0.76	5.4	0.93	6.2	1.10	6.7	1.18	7.0	1.35	8.0	1.52	8.8	1.86
	21	4.5	0.76	5.4	0.93	6.2	1.10	6.7	1.27	7.0	1.35	8.0	1.60	8.8	1.86
	23	4.5	0.76	5.4	1.01	6.2	1.18	6.7	1.35	7.0	1.43	7.9	1.77	8.7	2.02
	25	4.5	0.84	5.4	1.01	6.2	1.27	6.7	1.43	7.0	1.52	7.9	1.86	8.6	2.11
	27	4.5	0.84	5.4	1.10	6.2	1.35	6.6	1.52	7.0	1.69	7.9	2.02	8.4	2.19
	29	4.5	0.93	5.4	1.18	6.2	1.43	6.6	1.60	7.0	1.77	7.9	2.11	8.4	2.28
	31	4.5	1.01	5.4	1.27	6.2	1.60	6.6	1.69	7.0	1.94	7.9	2.28	8.2	2.36
	33	4.5	1.01	5.4	1.35	6.2	1.69	6.6	1.86	7.0	2.02	7.9	2.45	8.0	2.45
	35	4.5	1.10	5.3	1.43	6.2	1.77	6.6	1.94	7.0	2.19	7.7	2.53	7.9	2.53
	37	4.3	1.18	5.2	1.52	6.0	1.86	6.4	2.11	6.8	2.28	7.4	2.61	7.6	2.61
	39	4.2	1.27	5.0	1.60	5.9	2.02	6.2	2.28	6.7	2.45	7.1	2.70	7.3	2.70
	42	4.2	1.35	5.0	1.69	5.9	2.11	6.2	2.36	6.7	2.61	7.0	2.78	7.1	2.78
	44	4.2	1.43	5.0	1.77	5.9	2.28	6.2	2.53	6.7	2.78	6.9	2.87	7.0	2.87
	46	4.2	1.52	5.0	1.94	5.9	2.36	6.2	2.61	6.7	2.95	6.8	2.95	7.0	2.95
90%	10	4.0	0.59	4.8	0.76	5.6	0.84	6.1	0.93	6.4	1.01	7.2	1.18	8.0	1.27
	12	4.0	0.59	4.8	0.76	5.6	0.84	6.1	0.93	6.4	1.01	7.1	1.18	8.0	1.35
	14	4.0	0.59	4.8	0.76	5.6	0.93	6.1	0.93	6.4	1.01	7.1	1.18	8.0	1.35
	16	4.0	0.67	4.8	0.76	5.6	0.93	6.0	1.01	6.4	1.10	7.1	1.18	8.0	1.35
	18	4.0	0.67	4.8	0.76	5.6	0.93	6.0	1.01	6.3	1.10	7.1	1.27	8.0	1.43
	20	4.0	0.67	4.8	0.76	5.6	0.93	6.0	1.01	6.3	1.10	7.1	1.35	8.0	1.52
	21	4.0	0.67	4.8	0.84	5.6	0.93	6.0	1.10	6.3	1.18	7.1	1.35	8.0	1.60
	23	4.0	0.67	4.8	0.84	5.6	1.01	6.0	1.10	6.3	1.27	7.1	1.43	7.9	1.69
	25	4.0	0.67	4.8	0.93	5.6	1.10	6.0	1.18	6.3	1.35	7.1	1.60	7.9	1.86
	27	4.0	0.76	4.8	0.93	5.5	1.18	6.0	1.27	6.3	1.43	7.1	1.69	7.9	1.94
	29	4.0	0.84	4.8	1.01	5.5	1.27	6.0	1.35	6.3	1.52	7.1	1.77	7.9	2.11
	31	4.0	0.84	4.8	1.10	5.5	1.35	6.0	1.52	6.3	1.60	7.1	1.94	7.9	2.28
	33	4.0	0.93	4.8	1.18	5.5	1.43	6.0	1.60	6.3	1.77	7.1	2.02	7.9	2.45
	35	4.0	1.01	4.8	1.27	5.5	1.52	6.0	1.69	6.3	1.86	7.0	2.19	7.7	2.53
	37	3.9	1.01	4.7	1.35	5.4	1.60	5.8	1.77	6.2	1.94	6.9	2.36	7.4	2.61
	39	3.8	1.10	4.6	1.43	5.3	1.69	5.6	1.94	6.0	2.11	6.7	2.53	7.1	2.70
	42	3.8	1.18	4.6	1.52	5.3	1.86	5.6	2.02	6.0	2.19	6.7	2.70	7.0	2.78
	44	3.8	1.18	4.6	1.60	5.3	1.94	5.6	2.11	6.0	2.36	6.7	2.78	6.9	2.87
	46	3.8	1.27	4.6	1.69	5.3	2.02	5.6	2.28	6.0	2.45	6.7	2.95	6.8	2.95
80%	10	3.6	0.51	4.3	0.67	5.0	0.76	5.4	0.84	5.7	0.84	6.4	1.01	7.1	1.10
	12	3.6	0.51	4.3	0.67	5.0	0.76	5.4	0.84	5.7	0.93	6.4	1.01	7.1	1.18
	14	3.6	0.59	4.3	0.67	5.0	0.76	5.4	0.84	5.7	0.93	6.4	1.01	7.1	1.18
	16	3.6	0.59	4.3	0.67	5.0	0.76	5.4	0.84	5.7	0.93	6.4	1.10	7.1	1.18
	18	3.6	0.59	4.3	0.67	5.0	0.84	5.4	0.84	5.7	0.93	6.3	1.10	7.1	1.18
	20	3.6	0.59	4.3	0.67	5.0	0.84	5.4	0.93	5.7	0.93	6.3	1.10	7.0	1.27
	21	3.6	0.59	4.3	0.67	5.0	0.84	5.4	0.93	5.6	1.01	6.3	1.18	7.0	1.35
	23	3.6	0.59	4.3	0.76	5.0	0.84	5.3	0.93	5.6	1.01	6.3	1.27	7.0	1.43
	25	3.6	0.59	4.3	0.76	5.0	0.93	5.3	1.01	5.6	1.10	6.3	1.35	7.0	1.52
	27	3.6	0.67	4.3	0.84	4.9	1.01	5.3	1.10	5.6	1.18	6.3	1.43	7.0	1.69
	29	3.6	0.67	4.3	0.84	4.9	1.10	5.3	1.18	5.6	1.27	6.3	1.52	7.0	1.77
	31	3.6	0.76	4.2	0.93	4.9	1.10	5.3	1.27	5.6	1.35	6.3	1.60	7.0	1.86
	33	3.6	0.76	4.2	1.01	4.9	1.18	5.3	1.35	5.6	1.43	6.3	1.69	7.0	2.02
	35	3.6	0.84	4.2	1.01	4.9	1.27	5.3	1.43	5.6	1.52	6.3	1.86	7.0	2.11
	37	3.4	0.93	4.1	1.10	4.8	1.35	5.1	1.52	5.5	1.69	6.2	1.94	6.8	2.28
	39	3.3	0.93	4.0	1.18	4.7	1.43	5.0	1.60	5.4	1.77	6.0	2.11	6.7	2.45
	42	3.3	1.01	4.0	1.27	4.7	1.52	5.0	1.69	5.4	1.86	6.0	2.19	6.7	2.61
	44	3.3	1.01	4.0	1.35	4.7	1.60	5.0	1.77	5.4	1.94	6.0	2.36	6.7	2.78
	46	3.3	1.10	4.0	1.35	4.7	1.69	5.0	1.86	5.4	2.02	6.0	2.45	6.7	2.87

2-8. Capacity table (A2A)

AE066MXTPEH/EU

Cooling

Combination % (Capacity index)	Outdoor temperature (°C, DB)	Indoor temperature (WB, °C)													
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	DB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
70%	10	3.2	0.51	3.8	0.59	4.4	0.67	4.7	0.67	5.0	0.76	5.6	0.84	6.2	0.93
	12	3.2	0.51	3.8	0.59	4.4	0.67	4.7	0.67	5.0	0.76	5.6	0.84	6.2	1.01
	14	3.2	0.51	3.8	0.59	4.4	0.67	4.7	0.76	5.0	0.76	5.6	0.93	6.2	1.01
	16	3.2	0.51	3.8	0.59	4.4	0.67	4.7	0.76	5.0	0.76	5.5	0.93	6.2	1.01
	18	3.2	0.51	3.8	0.59	4.4	0.67	4.7	0.76	5.0	0.84	5.5	0.93	6.2	1.01
	20	3.2	0.51	3.8	0.59	4.4	0.67	4.7	0.76	4.9	0.84	5.5	0.93	6.2	1.10
	21	3.2	0.51	3.8	0.59	4.4	0.76	4.7	0.76	4.9	0.84	5.5	0.93	6.2	1.10
	23	3.2	0.51	3.8	0.59	4.3	0.76	4.7	0.84	4.9	0.84	5.5	1.01	6.2	1.18
	25	3.2	0.51	3.8	0.67	4.3	0.76	4.7	0.84	4.9	0.93	5.5	1.10	6.2	1.27
	27	3.2	0.59	3.8	0.67	4.3	0.84	4.7	0.93	4.9	1.01	5.5	1.18	6.2	1.35
	29	3.2	0.59	3.7	0.76	4.3	0.93	4.7	1.01	4.9	1.10	5.5	1.27	6.2	1.43
	31	3.2	0.67	3.7	0.76	4.3	0.93	4.7	1.01	4.9	1.10	5.5	1.35	6.2	1.52
	33	3.2	0.67	3.7	0.84	4.3	1.01	4.7	1.10	4.9	1.18	5.5	1.43	6.2	1.69
	35	3.1	0.67	3.7	0.84	4.3	1.10	4.7	1.18	4.9	1.27	5.5	1.52	6.2	1.77
	37	3.0	0.76	3.6	0.93	4.2	1.18	4.5	1.27	4.8	1.35	5.4	1.60	6.0	1.86
	39	3.0	0.76	3.5	1.01	4.1	1.18	4.4	1.35	4.7	1.43	5.3	1.69	5.8	2.02
	42	3.0	0.84	3.5	1.01	4.1	1.27	4.4	1.43	4.7	1.52	5.3	1.77	5.8	2.11
	44	3.0	0.84	3.5	1.10	4.1	1.35	4.4	1.52	4.7	1.60	5.3	1.94	5.8	2.19
	46	3.0	0.93	3.5	1.18	4.1	1.43	4.4	1.60	4.7	1.69	5.3	2.02	5.8	2.36
60%	10	2.7	0.42	3.3	0.51	3.8	0.59	4.0	0.59	4.3	0.67	4.8	0.76	5.3	0.84
	12	2.7	0.42	3.3	0.51	3.8	0.59	4.0	0.59	4.3	0.67	4.8	0.76	5.3	0.84
	14	2.7	0.42	3.3	0.51	3.8	0.59	4.0	0.59	4.3	0.67	4.8	0.76	5.3	0.84
	16	2.7	0.42	3.3	0.51	3.8	0.59	4.0	0.59	4.3	0.67	4.8	0.76	5.3	0.84
	18	2.7	0.42	3.3	0.51	3.8	0.59	4.0	0.67	4.2	0.67	4.8	0.76	5.3	0.84
	20	2.7	0.42	3.3	0.51	3.7	0.59	4.0	0.67	4.2	0.67	4.8	0.76	5.3	0.93
	21	2.7	0.42	3.3	0.51	3.7	0.59	4.0	0.67	4.2	0.67	4.8	0.76	5.3	0.93
	23	2.7	0.42	3.3	0.51	3.7	0.59	4.0	0.67	4.2	0.76	4.8	0.84	5.3	0.93
	25	2.7	0.42	3.2	0.51	3.7	0.67	4.0	0.67	4.2	0.76	4.8	0.93	5.3	1.01
	27	2.7	0.51	3.2	0.59	3.7	0.67	4.0	0.76	4.2	0.84	4.8	0.93	5.3	1.10
	29	2.7	0.51	3.2	0.59	3.7	0.76	4.0	0.76	4.2	0.84	4.8	1.01	5.3	1.18
	31	2.7	0.51	3.2	0.67	3.7	0.76	4.0	0.84	4.2	0.93	4.8	1.10	5.3	1.27
	33	2.6	0.59	3.2	0.67	3.7	0.84	4.0	0.93	4.2	1.01	4.8	1.18	5.3	1.35
	35	2.6	0.59	3.2	0.76	3.7	0.84	4.0	0.93	4.2	1.01	4.8	1.18	5.3	1.43
	37	2.6	0.67	3.1	0.76	3.6	0.93	3.9	1.01	4.1	1.10	4.6	1.27	5.1	1.52
	39	2.6	0.67	3.0	0.84	3.5	1.01	3.8	1.10	4.0	1.18	4.5	1.35	5.0	1.60
	42	2.6	0.67	3.0	0.84	3.5	1.01	3.8	1.10	4.0	1.27	4.5	1.43	5.0	1.69
	44	2.6	0.76	3.0	0.93	3.5	1.10	3.8	1.18	4.0	1.27	4.5	1.52	5.0	1.77
	46	2.6	0.76	3.0	0.93	3.5	1.18	3.8	1.27	4.0	1.35	4.5	1.60	5.0	1.86
50%	10	2.3	0.34	2.7	0.42	3.2	0.51	3.3	0.51	3.6	0.51	4.0	0.59	4.4	0.67
	12	2.3	0.34	2.7	0.42	3.2	0.51	3.3	0.51	3.5	0.51	4.0	0.59	4.4	0.67
	14	2.3	0.34	2.7	0.42	3.2	0.51	3.3	0.51	3.5	0.51	4.0	0.59	4.4	0.67
	16	2.3	0.34	2.7	0.42	3.2	0.51	3.3	0.51	3.5	0.59	4.0	0.59	4.4	0.67
	18	2.3	0.34	2.7	0.42	3.1	0.51	3.3	0.51	3.5	0.59	4.0	0.67	4.4	0.67
	20	2.3	0.34	2.7	0.42	3.1	0.51	3.3	0.51	3.5	0.59	4.0	0.67	4.4	0.76
	21	2.3	0.34	2.6	0.42	3.1	0.51	3.3	0.51	3.5	0.59	4.0	0.67	4.4	0.76
	23	2.3	0.42	2.6	0.42	3.1	0.51	3.3	0.59	3.5	0.59	4.0	0.67	4.4	0.76
	25	2.2	0.42	2.6	0.42	3.1	0.51	3.3	0.59	3.5	0.59	4.0	0.67	4.4	0.76
	27	2.2	0.42	2.6	0.51	3.1	0.59	3.3	0.59	3.5	0.67	4.0	0.76	4.4	0.84
	29	2.2	0.42	2.6	0.51	3.1	0.59	3.3	0.67	3.5	0.67	4.0	0.76	4.4	0.93
	31	2.2	0.42	2.6	0.51	3.1	0.59	3.3	0.67	3.5	0.76	4.0	0.84	4.4	0.93
	33	2.2	0.51	2.6	0.59	3.1	0.67	3.3	0.76	3.5	0.76	4.0	0.93	4.4	1.01
	35	2.2	0.51	2.6	0.59	3.1	0.67	3.3	0.76	3.5	0.84	4.0	0.93	4.4	1.10
	37	2.2	0.51	2.6	0.59	3.0	0.76	3.2	0.84	3.4	0.84	3.8	1.01	4.2	1.18
	39	2.1	0.59	2.6	0.67	2.9	0.76	3.2	0.84	3.3	0.93	3.8	1.10	4.1	1.27
	42	2.1	0.59	2.6	0.67	2.9	0.84	3.2	0.93	3.3	1.01	3.8	1.10	4.1	1.27
	44	2.1	0.59	2.6	0.76	2.9	0.84	3.2	0.93	3.3	1.01	3.8	1.18	4.1	1.35
	46	2.1	0.67	2.6	0.76	2.9	0.93	3.2	1.01	3.3	1.10	3.8	1.27	4.1	1.43

2. Outdoor Units

2-8. Capacity table (A2A)

AE090MXTPEH/EU

Cooling

Combination % (Capacity index)	Outdoor temperature (°C, DB)	Indoor temperature (WB, °C)													
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	DB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
100%	10	6.2	0.97	7.3	1.08	8.6	1.29	9.1	1.40	9.7	1.51	10.9	1.72	12.0	1.94
	12	6.2	0.97	7.3	1.18	8.6	1.40	9.1	1.51	9.7	1.61	10.9	1.83	12.0	2.04
	14	6.2	0.97	7.3	1.18	8.6	1.40	9.1	1.51	9.7	1.61	10.9	1.83	12.0	2.04
	16	6.2	0.97	7.3	1.18	8.6	1.40	9.1	1.51	9.7	1.61	10.9	1.83	12.0	2.15
	18	6.2	0.97	7.3	1.18	8.6	1.40	9.1	1.51	9.7	1.61	10.9	1.94	12.0	2.26
	20	6.2	0.97	7.3	1.18	8.6	1.51	9.1	1.61	9.7	1.83	10.9	2.15	12.0	2.47
	21	6.1	1.08	7.3	1.29	8.6	1.51	9.1	1.72	9.7	1.83	10.9	2.15	12.0	2.58
	23	6.1	1.08	7.3	1.29	8.6	1.61	9.1	1.83	9.7	1.94	10.8	2.37	11.9	2.69
	25	6.1	1.08	7.3	1.40	8.6	1.72	9.1	1.94	9.7	2.15	10.8	2.58	11.7	2.80
	27	6.1	1.18	7.3	1.51	8.4	1.83	9.0	2.04	9.7	2.26	10.8	2.69	11.6	3.01
	29	6.1	1.29	7.3	1.61	8.4	2.04	9.0	2.15	9.6	2.47	10.8	2.91	11.4	3.12
	31	6.1	1.40	7.3	1.72	8.4	2.15	9.0	2.37	9.6	2.58	10.8	3.12	11.3	3.23
	33	6.1	1.40	7.3	1.83	8.4	2.26	9.0	2.47	9.6	2.80	10.8	3.34	10.9	3.34
	35	6.1	1.51	7.2	1.94	8.4	2.47	9.0	2.69	9.6	2.91	10.6	3.44	10.8	3.44
	37	5.9	1.61	7.0	2.04	8.2	2.58	8.8	2.91	9.2	3.12	10.0	3.55	10.2	3.55
	39	5.7	1.72	6.9	2.15	8.0	2.80	8.6	3.01	9.1	3.34	9.7	3.66	9.9	3.66
	42	5.7	1.83	6.9	2.37	8.0	2.91	8.6	3.23	9.1	3.55	9.6	3.77	9.8	3.77
	44	5.7	1.94	6.9	2.47	8.0	3.12	8.6	3.44	9.1	3.77	9.3	3.87	9.7	3.98
	46	5.7	2.04	6.9	2.58	8.0	3.23	8.6	3.66	9.1	3.98	9.2	3.98	9.5	4.09
90%	10	5.5	0.86	6.6	0.97	7.7	1.18	8.2	1.29	8.8	1.40	9.8	1.51	10.9	1.72
	12	5.5	0.86	6.6	0.97	7.7	1.18	8.2	1.29	8.7	1.40	9.8	1.61	10.9	1.83
	14	5.5	0.86	6.6	1.08	7.7	1.18	8.2	1.29	8.7	1.40	9.8	1.61	10.9	1.83
	16	5.5	0.86	6.6	1.08	7.7	1.29	8.2	1.29	8.7	1.40	9.8	1.61	10.9	1.83
	18	5.5	0.86	6.6	1.08	7.7	1.29	8.2	1.40	8.7	1.51	9.8	1.72	10.9	1.94
	20	5.5	0.86	6.6	1.08	7.7	1.29	8.2	1.40	8.7	1.51	9.8	1.83	10.9	2.15
	21	5.5	0.86	6.5	1.08	7.7	1.29	8.2	1.40	8.7	1.61	9.7	1.83	10.9	2.15
	23	5.5	0.97	6.5	1.18	7.7	1.40	8.2	1.51	8.7	1.72	9.7	2.04	10.8	2.37
	25	5.5	0.97	6.5	1.18	7.7	1.51	8.2	1.61	8.7	1.83	9.7	2.15	10.8	2.47
	27	5.5	1.08	6.5	1.29	7.7	1.61	8.2	1.72	8.7	1.94	9.7	2.26	10.8	2.69
	29	5.5	1.08	6.5	1.40	7.7	1.72	8.2	1.94	8.7	2.04	9.7	2.47	10.8	2.91
	31	5.5	1.18	6.5	1.51	7.7	1.83	8.1	2.04	8.7	2.26	9.7	2.58	10.8	3.12
	33	5.5	1.29	6.5	1.61	7.5	1.94	8.1	2.15	8.7	2.37	9.7	2.80	10.8	3.34
	35	5.5	1.29	6.5	1.72	7.5	2.04	8.1	2.26	8.6	2.47	9.7	3.01	10.6	3.44
	37	5.3	1.40	6.3	1.83	7.3	2.26	7.9	2.47	8.3	2.69	9.3	3.23	10.0	3.55
	39	5.2	1.51	6.2	1.94	7.2	2.37	7.8	2.58	8.2	2.80	9.1	3.44	9.7	3.66
	42	5.2	1.61	6.2	2.04	7.2	2.47	7.8	2.80	8.2	3.01	9.1	3.66	9.6	3.77
	44	5.2	1.61	6.2	2.15	7.2	2.58	7.8	2.91	8.2	3.23	9.1	3.87	9.3	3.87
	46	5.2	1.72	6.2	2.26	7.2	2.80	7.8	3.01	8.2	3.34	9.1	4.09	9.2	3.98
80%	10	5.0	0.75	5.9	0.86	6.9	1.08	7.3	1.08	7.8	1.18	8.8	1.40	9.7	1.51
	12	5.0	0.75	5.9	0.86	6.9	1.08	7.3	1.18	7.8	1.18	8.7	1.40	9.7	1.61
	14	5.0	0.75	5.9	0.86	6.9	1.08	7.3	1.18	7.8	1.18	8.7	1.40	9.7	1.61
	16	5.0	0.75	5.9	0.97	6.9	1.08	7.3	1.18	7.8	1.29	8.7	1.40	9.7	1.61
	18	5.0	0.75	5.9	0.97	6.9	1.08	7.3	1.18	7.8	1.29	8.7	1.51	9.7	1.61
	20	5.0	0.75	5.9	0.97	6.8	1.18	7.3	1.18	7.8	1.29	8.7	1.51	9.7	1.72
	21	5.0	0.75	5.9	0.97	6.8	1.18	7.3	1.18	7.8	1.29	8.7	1.61	9.7	1.83
	23	5.0	0.86	5.9	0.97	6.8	1.18	7.3	1.29	7.8	1.40	8.7	1.72	9.7	1.94
	25	5.0	0.86	5.9	1.08	6.8	1.29	7.2	1.40	7.8	1.51	8.7	1.83	9.7	2.15
	27	4.8	0.86	5.9	1.08	6.8	1.40	7.2	1.51	7.8	1.61	8.7	1.94	9.7	2.26
	29	4.8	0.97	5.9	1.18	6.8	1.51	7.2	1.61	7.7	1.72	8.7	2.04	9.6	2.37
	31	4.8	0.97	5.9	1.29	6.8	1.51	7.2	1.72	7.7	1.83	8.7	2.15	9.6	2.58
	33	4.8	1.08	5.9	1.40	6.8	1.61	7.2	1.83	7.7	1.94	8.7	2.37	9.6	2.80
	35	4.8	1.18	5.9	1.40	6.8	1.72	7.2	1.94	7.7	2.15	8.6	2.47	9.6	2.91
	37	4.7	1.18	5.6	1.51	6.5	1.83	7.0	2.04	7.4	2.26	8.3	2.69	9.2	3.12
	39	4.6	1.29	5.5	1.61	6.4	1.94	6.9	2.15	7.3	2.37	8.2	2.80	9.1	3.34
	42	4.6	1.40	5.5	1.72	6.4	2.04	6.9	2.37	7.3	2.58	8.2	3.01	9.1	3.55
	44	4.6	1.40	5.5	1.83	6.4	2.26	6.9	2.47	7.3	2.69	8.2	3.23	9.1	3.77
	46	4.6	1.51	5.5	1.94	6.4	2.37	6.9	2.58	7.3	2.80	8.2	3.34	9.1	3.98

2. Outdoor Units

2-8. Capacity table (A2A)

AE090MXTPEH/EU

Cooling

Combination % (Capacity index)	Outdoor temperature (°C, DB)	Indoor temperature (WB, °C)													
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	DB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
	10	4.3	0.65	5.2	0.75	6.0	0.86	6.4	0.97	6.9	1.08	7.7	1.18	8.4	1.29
	12	4.3	0.65	5.2	0.75	6.0	0.86	6.4	0.97	6.8	1.08	7.7	1.18	8.4	1.29
	14	4.3	0.65	5.2	0.75	6.0	0.97	6.4	0.97	6.8	1.08	7.7	1.18	8.4	1.40
	16	4.3	0.65	5.2	0.75	6.0	0.97	6.4	0.97	6.8	1.08	7.7	1.18	8.4	1.40
	18	4.3	0.65	5.2	0.86	6.0	0.97	6.4	1.08	6.8	1.08	7.7	1.29	8.4	1.40
	20	4.3	0.65	5.2	0.86	6.0	0.97	6.4	1.08	6.8	1.18	7.7	1.29	8.4	1.51
	21	4.3	0.75	5.1	0.86	6.0	0.97	6.4	1.08	6.8	1.18	7.7	1.29	8.4	1.51
	23	4.3	0.75	5.1	0.86	6.0	0.97	6.3	1.08	6.8	1.18	7.5	1.40	8.4	1.61
	25	4.3	0.75	5.1	0.86	6.0	1.08	6.3	1.18	6.8	1.29	7.5	1.51	8.4	1.72
70%	27	4.3	0.75	5.1	0.97	6.0	1.18	6.3	1.29	6.8	1.40	7.5	1.61	8.4	1.83
	29	4.3	0.86	5.1	0.97	6.0	1.18	6.3	1.29	6.8	1.40	7.5	1.72	8.4	1.94
	31	4.3	0.86	5.1	1.08	6.0	1.29	6.3	1.40	6.8	1.51	7.5	1.83	8.4	2.15
	33	4.3	0.97	5.1	1.18	6.0	1.40	6.3	1.51	6.8	1.61	7.5	1.94	8.4	2.26
	35	4.3	0.97	5.1	1.18	5.9	1.51	6.3	1.61	6.8	1.72	7.5	2.04	8.3	2.37
	37	4.2	1.08	5.0	1.29	5.7	1.51	6.1	1.72	6.5	1.83	7.3	2.15	8.1	2.58
	39	4.1	1.08	4.8	1.40	5.6	1.61	6.0	1.83	6.4	1.94	7.2	2.37	8.0	2.69
	42	4.1	1.18	4.8	1.40	5.6	1.72	6.0	1.94	6.4	2.04	7.2	2.47	8.0	2.91
	44	4.1	1.18	4.8	1.51	5.6	1.83	6.0	2.04	6.4	2.15	7.2	2.58	8.0	3.01
	46	4.1	1.29	4.8	1.61	5.6	1.94	6.0	2.15	6.4	2.37	7.2	2.80	8.0	3.23
	10	3.7	0.54	4.4	0.65	5.2	0.75	5.5	0.86	5.9	0.86	6.5	0.97	7.3	1.08
	12	3.7	0.54	4.4	0.65	5.1	0.75	5.5	0.86	5.9	0.86	6.5	0.97	7.2	1.08
	14	3.7	0.54	4.4	0.65	5.1	0.75	5.5	0.86	5.9	0.86	6.5	1.08	7.2	1.18
	16	3.7	0.54	4.4	0.65	5.1	0.75	5.5	0.86	5.9	0.97	6.5	1.08	7.2	1.18
	18	3.7	0.65	4.4	0.75	5.1	0.86	5.5	0.86	5.9	0.97	6.5	1.08	7.2	1.18
	20	3.7	0.65	4.4	0.75	5.1	0.86	5.4	0.86	5.9	0.97	6.5	1.08	7.2	1.18
	21	3.7	0.65	4.4	0.75	5.1	0.86	5.4	0.86	5.9	0.97	6.5	1.08	7.2	1.18
	23	3.7	0.65	4.4	0.75	5.1	0.86	5.4	0.97	5.9	0.97	6.5	1.18	7.2	1.29
	25	3.7	0.65	4.4	0.75	5.1	0.86	5.4	0.97	5.9	1.08	6.5	1.18	7.2	1.40
60%	27	3.7	0.65	4.4	0.75	5.1	0.97	5.4	1.08	5.7	1.08	6.5	1.29	7.2	1.51
	29	3.7	0.65	4.4	0.86	5.1	0.97	5.4	1.08	5.7	1.18	6.5	1.40	7.2	1.61
	31	3.7	0.75	4.4	0.86	5.1	1.08	5.4	1.18	5.7	1.29	6.5	1.51	7.2	1.72
	33	3.7	0.75	4.4	0.97	5.1	1.18	5.4	1.18	5.7	1.29	6.5	1.51	7.2	1.83
	35	3.6	0.86	4.4	0.97	5.1	1.18	5.4	1.29	5.7	1.40	6.4	1.61	7.2	1.94
	37	3.5	0.86	4.2	1.08	5.0	1.29	5.3	1.40	5.6	1.51	6.3	1.72	7.0	2.04
	39	3.5	0.97	4.2	1.08	4.8	1.40	5.2	1.51	5.5	1.61	6.1	1.83	6.8	2.15
	42	3.5	0.97	4.2	1.18	4.8	1.40	5.2	1.51	5.5	1.72	6.1	1.94	6.8	2.26
	44	3.5	0.97	4.2	1.29	4.8	1.51	5.2	1.61	5.5	1.83	6.1	2.04	6.8	2.47
	46	3.5	1.08	4.2	1.29	4.8	1.61	5.2	1.72	5.5	1.83	6.1	2.15	6.8	2.58
	10	3.0	0.43	3.7	0.54	4.3	0.65	4.6	0.65	4.8	0.75	5.5	0.86	6.1	0.86
	12	3.0	0.54	3.7	0.54	4.3	0.65	4.6	0.65	4.8	0.75	5.4	0.86	6.1	0.97
	14	3.0	0.54	3.7	0.54	4.3	0.65	4.6	0.75	4.8	0.75	5.4	0.86	6.1	0.97
	16	3.0	0.54	3.7	0.54	4.3	0.65	4.5	0.75	4.8	0.75	5.4	0.86	6.1	0.97
	18	3.0	0.54	3.7	0.54	4.3	0.65	4.5	0.75	4.8	0.75	5.4	0.86	6.1	0.97
	20	3.0	0.54	3.7	0.65	4.3	0.65	4.5	0.75	4.8	0.75	5.4	0.86	6.1	0.97
	21	3.0	0.54	3.7	0.65	4.3	0.65	4.5	0.75	4.8	0.75	5.4	0.86	6.0	0.97
	23	3.0	0.54	3.6	0.65	4.3	0.75	4.5	0.75	4.8	0.86	5.4	0.86	6.0	1.08
	25	3.0	0.54	3.6	0.65	4.3	0.75	4.5	0.75	4.8	0.86	5.4	0.97	6.0	1.08
50%	27	3.0	0.54	3.6	0.65	4.3	0.75	4.5	0.86	4.8	0.86	5.4	0.97	6.0	1.18
	29	3.0	0.54	3.6	0.65	4.3	0.86	4.5	0.86	4.8	0.97	5.4	1.08	6.0	1.18
	31	3.0	0.65	3.6	0.75	4.3	0.86	4.5	0.97	4.8	0.97	5.4	1.18	6.0	1.29
	33	3.0	0.65	3.6	0.75	4.3	0.86	4.5	0.97	4.8	1.08	5.4	1.18	6.0	1.40
	35	3.0	0.65	3.6	0.86	4.2	0.97	4.5	1.08	4.8	1.08	5.4	1.29	6.0	1.51
	37	2.9	0.75	3.5	0.86	4.1	0.97	4.4	1.08	4.6	1.18	5.2	1.40	5.7	1.61
	39	2.9	0.75	3.5	0.86	4.1	1.08	4.3	1.18	4.5	1.29	5.1	1.51	5.6	1.72
	42	2.9	0.75	3.5	0.97	4.1	1.18	4.3	1.18	4.5	1.29	5.1	1.51	5.6	1.83
	44	2.9	0.86	3.5	0.97	4.1	1.18	4.3	1.29	4.5	1.40	5.1	1.61	5.6	1.83
	46	2.9	0.86	3.5	1.08	4.1	1.29	4.3	1.40	4.5	1.51	5.1	1.72	5.6	1.94

2. Outdoor Units

2-8. Capacity table (A2A)

AE090MXTPGH/EU

Cooling

Combination % (Capacity index)	Outdoor temperature (°C, DB)	Indoor temperature (WB, °C)													
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	DB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
100%	10	6.2	0.99	7.3	1.10	8.6	1.32	9.1	1.43	9.7	1.54	10.9	1.76	12.0	1.98
	12	6.2	0.99	7.3	1.21	8.6	1.43	9.1	1.54	9.7	1.65	10.9	1.87	12.0	2.09
	14	6.2	0.99	7.3	1.21	8.6	1.43	9.1	1.54	9.7	1.65	10.9	1.87	12.0	2.09
	16	6.2	0.99	7.3	1.21	8.6	1.43	9.1	1.54	9.7	1.65	10.9	1.87	12.0	2.20
	18	6.2	0.99	7.3	1.21	8.6	1.43	9.1	1.54	9.7	1.65	10.9	1.98	12.0	2.31
	20	6.2	0.99	7.3	1.21	8.6	1.54	9.1	1.65	9.7	1.87	10.9	2.20	12.0	2.53
	21	6.1	1.10	7.3	1.32	8.6	1.54	9.1	1.76	9.7	1.87	10.9	2.20	12.0	2.64
	23	6.1	1.10	7.3	1.32	8.6	1.65	9.1	1.87	9.7	1.98	10.8	2.42	11.9	2.75
	25	6.1	1.10	7.3	1.43	8.6	1.76	9.1	1.98	9.7	2.20	10.8	2.64	11.7	2.86
	27	6.1	1.21	7.3	1.54	8.4	1.87	9.0	2.09	9.7	2.31	10.8	2.75	11.6	3.08
	29	6.1	1.32	7.3	1.65	8.4	2.09	9.0	2.20	9.6	2.53	10.8	2.97	11.4	3.19
	31	6.1	1.43	7.3	1.76	8.4	2.20	9.0	2.42	9.6	2.64	10.8	3.19	11.3	3.30
	33	6.1	1.43	7.3	1.87	8.4	2.31	9.0	2.53	9.6	2.86	10.8	3.41	10.9	3.41
	35	6.1	1.54	7.2	1.98	8.4	2.53	9.0	2.75	9.6	2.97	10.6	3.52	10.8	3.52
	37	5.9	1.65	7.0	2.09	8.2	2.64	8.8	2.97	9.2	3.19	10.0	3.63	10.2	3.63
	39	5.7	1.76	6.9	2.20	8.0	2.86	8.6	3.08	9.1	3.41	9.7	3.74	9.9	3.74
	42	5.7	1.87	6.9	2.42	8.0	2.97	8.6	3.30	9.1	3.63	9.6	3.85	9.8	3.85
	44	5.7	1.98	6.9	2.53	8.0	3.19	8.6	3.52	9.1	3.85	9.3	3.96	9.7	4.07
	46	5.7	2.09	6.9	2.64	8.0	3.30	8.6	3.74	9.1	4.07	9.2	4.07	9.5	4.18
90%	10	5.5	0.88	6.6	0.99	7.7	1.21	8.2	1.32	8.8	1.43	9.8	1.54	10.9	1.76
	12	5.5	0.88	6.6	0.99	7.7	1.21	8.2	1.32	8.7	1.43	9.8	1.65	10.9	1.87
	14	5.5	0.88	6.6	1.10	7.7	1.21	8.2	1.32	8.7	1.43	9.8	1.65	10.9	1.87
	16	5.5	0.88	6.6	1.10	7.7	1.32	8.2	1.32	8.7	1.43	9.8	1.65	10.9	1.87
	18	5.5	0.88	6.6	1.10	7.7	1.32	8.2	1.43	8.7	1.54	9.8	1.76	10.9	1.98
	20	5.5	0.88	6.6	1.10	7.7	1.32	8.2	1.43	8.7	1.54	9.8	1.87	10.9	2.20
	21	5.5	0.88	6.5	1.10	7.7	1.32	8.2	1.43	8.7	1.65	9.7	1.87	10.9	2.20
	23	5.5	0.99	6.5	1.21	7.7	1.43	8.2	1.54	8.7	1.76	9.7	2.09	10.8	2.42
	25	5.5	0.99	6.5	1.21	7.7	1.54	8.2	1.65	8.7	1.87	9.7	2.20	10.8	2.53
	27	5.5	1.10	6.5	1.32	7.7	1.65	8.2	1.76	8.7	1.98	9.7	2.31	10.8	2.75
	29	5.5	1.10	6.5	1.43	7.7	1.76	8.2	1.98	8.7	2.09	9.7	2.53	10.8	2.97
	31	5.5	1.21	6.5	1.54	7.7	1.87	8.1	2.09	8.7	2.31	9.7	2.64	10.8	3.19
	33	5.5	1.32	6.5	1.65	7.5	1.98	8.1	2.20	8.7	2.42	9.7	2.86	10.8	3.41
	35	5.5	1.32	6.5	1.76	7.5	2.09	8.1	2.31	8.6	2.53	9.7	3.08	10.6	3.52
	37	5.3	1.43	6.3	1.87	7.3	2.31	7.9	2.53	8.3	2.75	9.3	3.30	10.0	3.63
	39	5.2	1.54	6.2	1.98	7.2	2.42	7.8	2.64	8.2	2.86	9.1	3.52	9.7	3.74
	42	5.2	1.65	6.2	2.09	7.2	2.53	7.8	2.86	8.2	3.08	9.1	3.74	9.6	3.85
	44	5.2	1.65	6.2	2.20	7.2	2.64	7.8	2.97	8.2	3.30	9.1	3.96	9.3	3.96
	46	5.2	1.76	6.2	2.31	7.2	2.86	7.8	3.08	8.2	3.41	9.1	4.18	9.2	4.07
80%	10	5.0	0.77	5.9	0.88	6.9	1.10	7.3	1.10	7.8	1.21	8.8	1.43	9.7	1.54
	12	5.0	0.77	5.9	0.88	6.9	1.10	7.3	1.21	7.8	1.21	8.7	1.43	9.7	1.65
	14	5.0	0.77	5.9	0.88	6.9	1.10	7.3	1.21	7.8	1.21	8.7	1.43	9.7	1.65
	16	5.0	0.77	5.9	0.99	6.9	1.10	7.3	1.21	7.8	1.32	8.7	1.43	9.7	1.65
	18	5.0	0.77	5.9	0.99	6.9	1.10	7.3	1.21	7.8	1.32	8.7	1.54	9.7	1.65
	20	5.0	0.77	5.9	0.99	6.8	1.21	7.3	1.21	7.8	1.32	8.7	1.54	9.7	1.76
	21	5.0	0.77	5.9	0.99	6.8	1.21	7.3	1.21	7.8	1.32	8.7	1.65	9.7	1.87
	23	5.0	0.88	5.9	0.99	6.8	1.21	7.3	1.32	7.8	1.43	8.7	1.76	9.7	1.98
	25	5.0	0.88	5.9	1.10	6.8	1.32	7.2	1.43	7.8	1.54	8.7	1.87	9.7	2.20
	27	4.8	0.88	5.9	1.10	6.8	1.43	7.2	1.54	7.8	1.65	8.7	1.98	9.7	2.31
	29	4.8	0.99	5.9	1.21	6.8	1.54	7.2	1.65	7.7	1.76	8.7	2.09	9.6	2.42
	31	4.8	0.99	5.9	1.32	6.8	1.54	7.2	1.76	7.7	1.87	8.7	2.20	9.6	2.64
	33	4.8	1.10	5.9	1.43	6.8	1.65	7.2	1.87	7.7	1.98	8.7	2.42	9.6	2.86
	35	4.8	1.21	5.9	1.43	6.8	1.76	7.2	1.98	7.7	2.20	8.6	2.53	9.6	2.97
	37	4.7	1.21	5.6	1.54	6.5	1.87	7.0	2.09	7.4	2.31	8.3	2.75	9.2	3.19
	39	4.6	1.32	5.5	1.65	6.4	1.98	6.9	2.20	7.3	2.42	8.2	2.86	9.1	3.41
	42	4.6	1.43	5.5	1.76	6.4	2.09	6.9	2.42	7.3	2.64	8.2	3.08	9.1	3.63
	44	4.6	1.43	5.5	1.87	6.4	2.31	6.9	2.53	7.3	2.75	8.2	3.30	9.1	3.85
	46	4.6	1.54	5.5	1.98	6.4	2.42	6.9	2.64	7.3	2.86	8.2	3.41	9.1	4.07

2. Outdoor Units

2-8. Capacity table (A2A)

AE090MXTPGH/EU

Cooling

Combination % (Capacity index)	Outdoor temperature (°C, DB)	Indoor temperature (WB, °C)													
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	DB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
70%	10	4.3	0.66	5.2	0.77	6.0	0.88	6.4	0.99	6.9	1.10	7.7	1.21	8.4	1.32
	12	4.3	0.66	5.2	0.77	6.0	0.88	6.4	0.99	6.8	1.10	7.7	1.21	8.4	1.32
	14	4.3	0.66	5.2	0.77	6.0	0.99	6.4	0.99	6.8	1.10	7.7	1.21	8.4	1.43
	16	4.3	0.66	5.2	0.77	6.0	0.99	6.4	0.99	6.8	1.10	7.7	1.21	8.4	1.43
	18	4.3	0.66	5.2	0.88	6.0	0.99	6.4	1.10	6.8	1.10	7.7	1.32	8.4	1.43
	20	4.3	0.66	5.2	0.88	6.0	0.99	6.4	1.10	6.8	1.21	7.7	1.32	8.4	1.54
	21	4.3	0.77	5.1	0.88	6.0	0.99	6.4	1.10	6.8	1.21	7.7	1.32	8.4	1.54
	23	4.3	0.77	5.1	0.88	6.0	0.99	6.3	1.10	6.8	1.21	7.5	1.43	8.4	1.65
	25	4.3	0.77	5.1	0.88	6.0	1.10	6.3	1.21	6.8	1.32	7.5	1.54	8.4	1.76
	27	4.3	0.77	5.1	0.99	6.0	1.21	6.3	1.32	6.8	1.43	7.5	1.65	8.4	1.87
	29	4.3	0.88	5.1	0.99	6.0	1.21	6.3	1.32	6.8	1.43	7.5	1.76	8.4	1.98
	31	4.3	0.88	5.1	1.10	6.0	1.32	6.3	1.43	6.8	1.54	7.5	1.87	8.4	2.20
	33	4.3	0.99	5.1	1.21	6.0	1.43	6.3	1.54	6.8	1.65	7.5	1.98	8.4	2.31
	35	4.3	0.99	5.1	1.21	5.9	1.54	6.3	1.65	6.8	1.76	7.5	2.09	8.3	2.42
	37	4.2	1.10	5.0	1.32	5.7	1.54	6.1	1.76	6.5	1.87	7.3	2.20	8.1	2.64
	39	4.1	1.10	4.8	1.43	5.6	1.65	6.0	1.87	6.4	1.98	7.2	2.42	8.0	2.75
	42	4.1	1.21	4.8	1.43	5.6	1.76	6.0	1.98	6.4	2.09	7.2	2.53	8.0	2.97
	44	4.1	1.21	4.8	1.54	5.6	1.87	6.0	2.09	6.4	2.20	7.2	2.64	8.0	3.08
	46	4.1	1.32	4.8	1.65	5.6	1.98	6.0	2.20	6.4	2.42	7.2	2.86	8.0	3.30
60%	10	3.7	0.55	4.4	0.66	5.2	0.77	5.5	0.88	5.9	0.88	6.5	0.99	7.3	1.10
	12	3.7	0.55	4.4	0.66	5.1	0.77	5.5	0.88	5.9	0.88	6.5	0.99	7.2	1.10
	14	3.7	0.55	4.4	0.66	5.1	0.77	5.5	0.88	5.9	0.88	6.5	1.10	7.2	1.21
	16	3.7	0.55	4.4	0.66	5.1	0.77	5.5	0.88	5.9	0.99	6.5	1.10	7.2	1.21
	18	3.7	0.66	4.4	0.77	5.1	0.88	5.5	0.88	5.9	0.99	6.5	1.10	7.2	1.21
	20	3.7	0.66	4.4	0.77	5.1	0.88	5.4	0.88	5.9	0.99	6.5	1.10	7.2	1.21
	21	3.7	0.66	4.4	0.77	5.1	0.88	5.4	0.88	5.9	0.99	6.5	1.10	7.2	1.21
	23	3.7	0.66	4.4	0.77	5.1	0.88	5.4	0.99	5.9	0.99	6.5	1.21	7.2	1.32
	25	3.7	0.66	4.4	0.77	5.1	0.88	5.4	0.99	5.9	1.10	6.5	1.21	7.2	1.43
	27	3.7	0.66	4.4	0.77	5.1	0.99	5.4	1.10	5.7	1.10	6.5	1.32	7.2	1.54
	29	3.7	0.66	4.4	0.88	5.1	0.99	5.4	1.10	5.7	1.21	6.5	1.43	7.2	1.65
	31	3.7	0.77	4.4	0.88	5.1	1.10	5.4	1.21	5.7	1.32	6.5	1.54	7.2	1.76
	33	3.7	0.77	4.4	0.99	5.1	1.21	5.4	1.21	5.7	1.32	6.5	1.54	7.2	1.87
	35	3.6	0.88	4.4	0.99	5.1	1.21	5.4	1.32	5.7	1.43	6.4	1.65	7.2	1.98
	37	3.5	0.88	4.2	1.10	5.0	1.32	5.3	1.43	5.6	1.54	6.3	1.76	7.0	2.09
	39	3.5	0.99	4.2	1.10	4.8	1.43	5.2	1.54	5.5	1.65	6.1	1.87	6.8	2.20
	42	3.5	0.99	4.2	1.21	4.8	1.43	5.2	1.54	5.5	1.76	6.1	1.98	6.8	2.31
	44	3.5	0.99	4.2	1.32	4.8	1.54	5.2	1.65	5.5	1.87	6.1	2.09	6.8	2.53
	46	3.5	1.10	4.2	1.32	4.8	1.65	5.2	1.76	5.5	1.87	6.1	2.20	6.8	2.64
50%	10	3.0	0.44	3.7	0.55	4.3	0.66	4.6	0.66	4.8	0.77	5.5	0.88	6.1	0.88
	12	3.0	0.55	3.7	0.55	4.3	0.66	4.6	0.66	4.8	0.77	5.4	0.88	6.1	0.99
	14	3.0	0.55	3.7	0.55	4.3	0.66	4.6	0.77	4.8	0.77	5.4	0.88	6.1	0.99
	16	3.0	0.55	3.7	0.55	4.3	0.66	4.5	0.77	4.8	0.77	5.4	0.88	6.1	0.99
	18	3.0	0.55	3.7	0.55	4.3	0.66	4.5	0.77	4.8	0.77	5.4	0.88	6.1	0.99
	20	3.0	0.55	3.7	0.66	4.3	0.66	4.5	0.77	4.8	0.77	5.4	0.88	6.1	0.99
	21	3.0	0.55	3.7	0.66	4.3	0.66	4.5	0.77	4.8	0.77	5.4	0.88	6.0	0.99
	23	3.0	0.55	3.6	0.66	4.3	0.77	4.5	0.77	4.8	0.88	5.4	0.88	6.0	1.10
	25	3.0	0.55	3.6	0.66	4.3	0.77	4.5	0.77	4.8	0.88	5.4	0.99	6.0	1.10
	27	3.0	0.55	3.6	0.66	4.3	0.77	4.5	0.88	4.8	0.88	5.4	0.99	6.0	1.21
	29	3.0	0.55	3.6	0.66	4.3	0.88	4.5	0.88	4.8	0.99	5.4	1.10	6.0	1.21
	31	3.0	0.66	3.6	0.77	4.3	0.88	4.5	0.99	4.8	0.99	5.4	1.21	6.0	1.32
	33	3.0	0.66	3.6	0.77	4.3	0.88	4.5	0.99	4.8	1.10	5.4	1.21	6.0	1.43
	35	3.0	0.66	3.6	0.88	4.2	0.99	4.5	1.10	4.8	1.10	5.4	1.32	6.0	1.54
	37	2.9	0.77	3.5	0.88	4.1	0.99	4.4	1.10	4.6	1.21	5.2	1.43	5.7	1.65
	39	2.9	0.77	3.5	0.88	4.1	1.10	4.3	1.21	4.5	1.32	5.1	1.54	5.6	1.76
	42	2.9	0.77	3.5	0.99	4.1	1.21	4.3	1.21	4.5	1.32	5.1	1.54	5.6	1.87
	44	2.9	0.88	3.5	0.99	4.1	1.21	4.3	1.32	4.5	1.43	5.1	1.65	5.6	1.87
	46	2.9	0.88	3.5	1.10	4.1	1.32	4.3	1.43	4.5	1.54	5.1	1.76	5.6	1.98

2-8. Capacity table (A2A)

AE120MXTP⚹H/EU

Cooling

Combination % (Capacity index)	Outdoor temperature (°C, DB)	Indoor temperature (WB, °C)													
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	DB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
100%	10	8.3	1.22	9.9	1.59	11.6	1.84	12.3	1.96	13.1	2.08	14.7	2.45	16.2	2.69
	12	8.3	1.35	9.8	1.59	11.5	1.84	12.3	1.96	13.1	2.20	14.7	2.45	16.2	2.81
	14	8.3	1.35	9.8	1.59	11.5	1.84	12.2	2.08	13.1	2.20	14.7	2.45	16.2	2.81
	16	8.3	1.35	9.8	1.59	11.5	1.96	12.2	2.08	13.0	2.20	14.7	2.57	16.2	2.94
	18	8.2	1.35	9.8	1.59	11.5	1.96	12.2	2.08	13.0	2.32	14.6	2.69	16.2	3.18
	20	8.2	1.35	9.8	1.71	11.5	2.08	12.2	2.20	13.0	2.45	14.6	2.94	16.1	3.43
	21	8.2	1.35	9.8	1.71	11.5	2.08	12.2	2.32	13.0	2.57	14.6	3.06	16.1	3.55
	23	8.2	1.47	9.8	1.84	11.5	2.20	12.2	2.45	13.0	2.69	14.6	3.18	16.0	3.79
	25	8.2	1.47	9.8	1.96	11.5	2.45	12.2	2.69	13.0	2.94	14.6	3.43	15.8	3.91
	27	8.2	1.59	9.8	2.08	11.5	2.57	12.2	2.81	13.0	3.06	14.6	3.67	15.6	4.04
	29	8.2	1.71	9.8	2.20	11.5	2.69	12.2	3.06	13.0	3.30	14.6	3.91	15.3	4.16
	31	8.2	1.84	9.8	2.32	11.3	2.94	12.1	3.18	12.9	3.55	14.6	4.28	15.1	4.40
	33	8.2	1.96	9.7	2.45	11.3	3.06	12.1	3.43	12.9	3.79	14.5	4.53	14.7	4.53
	35	8.2	2.08	9.7	2.69	11.3	3.30	12.1	3.67	12.9	4.04	14.3	4.65	14.5	4.77
	37	7.9	2.20	9.4	2.81	11.0	3.55	11.8	3.91	12.4	4.28	13.5	4.89	13.8	4.89
	39	7.8	2.32	9.3	3.06	10.8	3.79	11.5	4.16	12.2	4.65	13.1	5.02	13.4	5.02
	42	5.9	1.71	7.0	2.20	8.2	2.81	12.1	4.40	9.3	3.43	9.7	3.55	9.9	3.67
	44	5.9	1.84	7.0	2.32	8.2	2.94	12.1	4.65	9.3	3.55	9.6	3.67	9.8	3.79
	46	8.2	3.06	9.7	3.91	11.3	4.89	12.1	5.38	12.9	5.87	13.1	5.99	13.4	6.12
90%	10	7.5	1.10	8.9	1.35	10.4	1.59	11.1	1.71	11.8	1.84	13.2	2.08	14.7	2.45
	12	7.5	1.10	8.9	1.35	10.4	1.59	11.0	1.71	11.7	1.96	13.2	2.20	14.7	2.45
	14	7.5	1.22	8.9	1.47	10.3	1.71	11.0	1.84	11.7	1.96	13.2	2.20	14.7	2.45
	16	7.5	1.22	8.9	1.47	10.3	1.71	11.0	1.84	11.7	1.96	13.1	2.20	14.7	2.57
	18	7.5	1.22	8.9	1.47	10.3	1.71	11.0	1.84	11.7	2.08	13.1	2.32	14.6	2.69
	20	7.5	1.22	8.9	1.47	10.3	1.71	11.0	1.96	11.7	2.08	13.1	2.45	14.6	2.94
	21	7.5	1.22	8.9	1.47	10.3	1.84	11.0	1.96	11.7	2.20	13.1	2.57	14.6	2.94
	23	7.5	1.22	8.9	1.59	10.3	1.96	11.0	2.08	11.7	2.32	13.1	2.69	14.6	3.18
	25	7.3	1.35	8.9	1.71	10.3	2.08	11.0	2.32	11.7	2.45	13.1	2.94	14.6	3.43
	27	7.3	1.47	8.9	1.84	10.3	2.20	11.0	2.45	11.7	2.69	13.1	3.18	14.6	3.67
	29	7.3	1.47	8.9	1.96	10.3	2.32	11.0	2.57	11.7	2.81	13.1	3.43	14.6	3.91
	31	7.3	1.59	8.8	2.08	10.3	2.45	10.9	2.81	11.6	3.06	13.0	3.55	14.6	4.28
	33	7.3	1.71	8.8	2.20	10.2	2.69	10.9	2.94	11.6	3.18	13.0	3.79	14.5	4.53
	35	7.3	1.84	8.8	2.32	10.2	2.81	10.9	3.18	11.6	3.43	13.0	4.16	14.3	4.65
	37	7.1	1.96	8.5	2.45	9.8	3.06	10.6	3.30	11.2	3.67	12.5	4.40	13.5	4.89
	39	7.0	2.08	8.3	2.57	9.6	3.18	10.4	3.55	11.0	3.91	12.3	4.65	13.1	5.02
	42	7.0	2.20	8.3	2.81	9.6	3.43	10.4	3.79	11.0	4.16	12.3	5.02	12.9	5.14
	44	7.0	2.32	8.3	2.94	9.6	3.55	10.4	4.04	11.0	4.40	12.3	5.26	12.6	5.38
	46	7.3	2.57	8.8	3.30	10.2	4.16	10.9	4.53	11.6	5.02	13.0	5.99	13.1	5.99
80%	10	6.6	0.98	7.9	1.22	9.2	1.47	9.8	1.47	10.5	1.59	11.8	1.84	13.1	2.08
	12	6.6	0.98	7.9	1.22	9.2	1.47	9.8	1.59	10.5	1.71	11.7	1.96	13.1	2.20
	14	6.6	0.98	7.9	1.22	9.2	1.47	9.8	1.59	10.5	1.71	11.7	1.96	13.1	2.20
	16	6.6	1.10	7.9	1.22	9.2	1.47	9.8	1.59	10.5	1.71	11.7	1.96	13.0	2.20
	18	6.6	1.10	7.9	1.35	9.2	1.47	9.8	1.59	10.4	1.71	11.7	1.96	13.0	2.32
	20	6.6	1.10	7.9	1.35	9.2	1.59	9.7	1.71	10.4	1.84	11.7	2.08	13.0	2.45
	21	6.6	1.10	7.9	1.35	9.2	1.59	9.7	1.71	10.4	1.84	11.7	2.20	13.0	2.57
	23	6.6	1.10	7.9	1.35	9.1	1.59	9.7	1.84	10.4	1.96	11.7	2.32	13.0	2.69
	25	6.6	1.10	7.9	1.47	9.1	1.71	9.7	1.96	10.4	2.08	11.7	2.45	13.0	2.94
	27	6.6	1.22	7.9	1.59	9.1	1.84	9.7	2.08	10.4	2.20	11.7	2.69	13.0	3.06
	29	6.6	1.35	7.8	1.59	9.1	1.96	9.7	2.20	10.4	2.45	11.7	2.81	13.0	3.30
	31	6.6	1.35	7.8	1.71	9.1	2.08	9.7	2.32	10.4	2.57	11.6	3.06	12.9	3.55
	33	6.6	1.47	7.8	1.84	9.1	2.20	9.7	2.45	10.4	2.69	11.6	3.18	12.9	3.79
	35	6.6	1.59	7.8	1.96	9.1	2.45	9.7	2.69	10.3	2.94	11.6	3.43	12.9	4.04
	37	6.4	1.71	7.6	2.08	8.8	2.57	9.4	2.81	10.0	3.06	11.2	3.67	12.4	4.28
	39	6.2	1.71	7.3	2.20	8.6	2.69	9.2	2.94	9.8	3.30	11.0	3.91	12.2	4.53
	42	6.2	1.84	7.3	2.32	8.6	2.81	9.2	3.18	9.8	3.43	11.0	4.16	12.2	4.89
	44	6.2	1.96	7.3	2.45	8.6	3.06	9.2	3.30	9.8	3.67	11.0	4.40	12.2	5.14
	46	6.6	2.20	7.8	2.81	9.1	3.43	9.7	3.91	10.3	4.16	11.6	5.02	12.9	5.87

2. Outdoor Units

2-8. Capacity table (A2A)

AE120MXTP✱H/EU

Cooling

Combination % (Capacity index)	Outdoor temperature (°C, DB)	Indoor temperature (WB, °C)													
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	DB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
70%	10	5.8	0.86	6.9	1.10	8.0	1.22	8.6	1.35	9.2	1.47	10.3	1.59	11.5	1.84
	12	5.8	0.86	6.9	1.10	8.0	1.22	8.5	1.35	9.2	1.47	10.3	1.59	11.3	1.84
	14	5.8	0.86	6.9	1.10	8.0	1.22	8.5	1.35	9.2	1.47	10.3	1.71	11.3	1.84
	16	5.8	0.98	6.9	1.10	8.0	1.35	8.5	1.35	9.2	1.47	10.3	1.71	11.3	1.96
	18	5.7	0.98	6.9	1.10	8.0	1.35	8.5	1.47	9.1	1.47	10.3	1.71	11.3	1.96
	20	5.7	0.98	6.9	1.10	8.0	1.35	8.5	1.47	9.1	1.59	10.3	1.71	11.3	1.96
	21	5.7	0.98	6.9	1.10	8.0	1.35	8.5	1.47	9.1	1.59	10.3	1.84	11.3	2.08
	23	5.7	0.98	6.9	1.22	8.0	1.35	8.5	1.47	9.1	1.59	10.2	1.96	11.3	2.20
	25	5.7	0.98	6.9	1.22	8.0	1.47	8.5	1.59	9.1	1.71	10.2	2.08	11.3	2.32
	27	5.7	1.10	6.8	1.35	8.0	1.59	8.5	1.71	9.1	1.84	10.2	2.20	11.3	2.57
	29	5.7	1.10	6.8	1.35	8.0	1.71	8.5	1.84	9.1	1.96	10.2	2.32	11.3	2.69
	31	5.7	1.22	6.8	1.47	8.0	1.71	8.5	1.96	9.1	2.08	10.2	2.45	11.2	2.94
	33	5.7	1.22	6.8	1.59	8.0	1.84	8.5	2.08	9.1	2.20	10.2	2.69	11.2	3.06
	35	5.7	1.35	6.8	1.59	7.9	1.96	8.4	2.20	9.1	2.45	10.2	2.81	11.2	3.30
	37	5.5	1.47	6.6	1.71	7.7	2.08	8.2	2.32	8.8	2.57	9.8	2.94	10.9	3.55
	39	5.4	1.47	6.5	1.84	7.6	2.20	8.0	2.45	8.5	2.69	9.6	3.18	10.7	3.67
	42	5.4	1.59	6.5	1.96	7.6	2.32	8.0	2.57	8.5	2.81	9.6	3.43	10.7	3.91
	44	5.4	1.59	6.5	2.08	7.6	2.45	8.0	2.81	8.5	3.06	9.6	3.55	10.7	4.16
	46	5.7	1.84	6.8	2.32	7.9	2.81	8.4	3.18	9.1	3.43	10.2	4.16	11.2	4.77
60%	10	5.0	0.73	5.9	0.86	6.9	1.10	7.3	1.10	7.9	1.22	8.9	1.35	9.7	1.47
	12	5.0	0.73	5.9	0.98	6.9	1.10	7.3	1.10	7.9	1.22	8.8	1.35	9.7	1.59
	14	5.0	0.73	5.9	0.98	6.9	1.10	7.3	1.10	7.9	1.22	8.8	1.35	9.7	1.59
	16	5.0	0.86	5.9	0.98	6.9	1.10	7.3	1.22	7.8	1.22	8.8	1.47	9.7	1.59
	18	5.0	0.86	5.9	0.98	6.8	1.10	7.3	1.22	7.8	1.22	8.8	1.47	9.7	1.59
	20	5.0	0.86	5.9	0.98	6.8	1.10	7.3	1.22	7.8	1.35	8.8	1.47	9.7	1.71
	21	5.0	0.86	5.9	0.98	6.8	1.10	7.3	1.22	7.8	1.35	8.8	1.47	9.7	1.71
	23	5.0	0.86	5.9	0.98	6.8	1.22	7.3	1.22	7.8	1.35	8.8	1.59	9.7	1.84
	25	5.0	0.86	5.8	0.98	6.8	1.22	7.3	1.35	7.8	1.47	8.8	1.71	9.7	1.96
	27	5.0	0.86	5.8	1.10	6.8	1.35	7.3	1.35	7.8	1.47	8.8	1.71	9.7	2.08
	29	5.0	0.98	5.8	1.10	6.8	1.35	7.3	1.47	7.8	1.59	8.8	1.84	9.6	2.20
	31	5.0	0.98	5.8	1.22	6.8	1.47	7.2	1.59	7.8	1.71	8.8	1.96	9.6	2.32
	33	5.0	1.10	5.8	1.35	6.8	1.59	7.2	1.71	7.8	1.84	8.8	2.08	9.6	2.45
	35	4.9	1.10	5.8	1.35	6.8	1.59	7.2	1.84	7.8	1.96	8.6	2.32	9.6	2.57
	37	4.8	1.22	5.6	1.47	6.6	1.71	7.0	1.96	7.5	2.08	8.4	2.45	9.3	2.81
	39	4.6	1.22	5.5	1.59	6.5	1.84	6.9	1.96	7.3	2.20	8.2	2.57	9.2	2.94
	42	4.6	1.35	5.5	1.59	6.5	1.96	6.9	2.08	7.3	2.32	8.2	2.69	9.2	3.18
	44	4.6	1.35	5.5	1.71	6.5	2.08	6.9	2.20	7.3	2.45	8.2	2.81	9.2	3.30
	46	4.9	1.59	5.8	1.96	6.8	2.45	7.2	2.57	7.8	2.81	8.6	3.30	9.6	3.79
50%	10	4.1	0.61	5.0	0.73	5.7	0.86	6.2	0.98	6.5	0.98	7.3	1.10	8.1	1.22
	12	4.1	0.73	5.0	0.73	5.7	0.86	6.2	0.98	6.5	0.98	7.3	1.10	8.1	1.22
	14	4.1	0.73	5.0	0.73	5.7	0.86	6.2	0.98	6.5	0.98	7.3	1.10	8.1	1.22
	16	4.1	0.73	5.0	0.86	5.7	0.98	6.2	0.98	6.5	1.10	7.3	1.22	8.1	1.35
	18	4.1	0.73	5.0	0.86	5.7	0.98	6.2	0.98	6.5	1.10	7.3	1.22	8.1	1.35
	20	4.1	0.73	5.0	0.86	5.7	0.98	6.2	0.98	6.5	1.10	7.3	1.22	8.1	1.35
	21	4.1	0.73	5.0	0.86	5.7	0.98	6.2	0.98	6.5	1.10	7.3	1.22	8.1	1.35
	23	4.1	0.73	4.9	0.86	5.7	0.98	6.1	1.10	6.5	1.10	7.2	1.22	8.1	1.35
	25	4.1	0.73	4.9	0.86	5.7	0.98	6.1	1.10	6.5	1.10	7.2	1.35	8.1	1.47
	27	4.1	0.73	4.9	0.86	5.7	1.10	6.1	1.10	6.5	1.22	7.2	1.35	8.1	1.59
	29	4.1	0.73	4.9	0.98	5.7	1.10	6.1	1.22	6.5	1.35	7.2	1.47	8.1	1.71
	31	4.1	0.86	4.9	0.98	5.7	1.22	6.1	1.22	6.5	1.35	7.2	1.59	8.0	1.84
	33	4.1	0.86	4.9	1.10	5.7	1.22	6.1	1.35	6.5	1.47	7.2	1.71	8.0	1.96
	35	4.1	0.98	4.9	1.10	5.6	1.35	6.1	1.47	6.5	1.59	7.2	1.84	8.0	2.08
	37	4.0	0.98	4.8	1.22	5.5	1.35	5.8	1.47	6.3	1.59	7.0	1.84	7.8	2.20
	39	3.9	0.98	4.6	1.22	5.4	1.47	5.7	1.59	6.2	1.71	6.9	1.96	7.6	2.32
	42	3.9	1.10	4.6	1.35	5.4	1.59	5.7	1.71	6.2	1.84	6.9	2.08	7.6	2.45
	44	3.9	1.10	4.6	1.35	5.4	1.59	5.7	1.84	6.2	1.96	6.9	2.20	7.6	2.57
	46	3.9	1.10	4.6	1.35	5.4	1.59	5.7	1.84	6.2	1.96	6.9	2.20	7.6	2.57

2. Outdoor Units

2-8. Capacity table (A2A)

AE160MXTP✱H/EU

Cooling

Combination % (Capacity index)	Outdoor temperature (°C, DB)	Indoor temperature (WB, °C)													
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	DB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
100%	10	10.6	1.65	12.6	1.96	14.6	2.37	15.6	2.47	16.6	2.68	18.7	3.09	20.4	3.40
	12	10.5	1.65	12.6	1.96	14.6	2.37	15.6	2.58	16.6	2.78	18.7	3.19	20.2	3.40
	14	10.5	1.65	12.6	2.06	14.6	2.37	15.6	2.58	16.6	2.78	18.6	3.19	19.9	3.30
	16	10.5	1.75	12.6	2.06	14.6	2.47	15.6	2.68	16.6	2.89	18.6	3.30	19.5	3.40
	18	10.5	1.75	12.5	2.06	14.6	2.47	15.6	2.68	16.6	2.89	18.6	3.50	19.3	3.61
	20	10.5	1.75	12.5	2.16	14.5	2.58	15.6	2.89	16.6	3.09	18.6	3.71	19.0	3.71
	21	10.5	1.75	12.5	2.16	14.5	2.68	15.5	2.99	16.5	3.19	18.5	3.81	18.9	3.81
	23	10.5	1.85	12.5	2.37	14.5	2.89	15.5	3.19	16.5	3.50	18.1	4.02	18.5	4.02
	25	10.5	1.96	12.5	2.47	14.5	3.09	15.5	3.40	16.5	3.71	17.9	4.12	18.3	4.22
	27	10.5	2.06	12.5	2.68	14.5	3.30	15.5	3.61	16.5	4.02	17.6	4.33	18.0	4.33
	29	10.5	2.27	12.5	2.78	14.5	3.50	15.5	3.92	16.5	4.22	17.4	4.53	17.7	4.53
	31	10.4	2.37	12.5	2.99	14.5	3.71	15.5	4.12	16.5	4.53	17.1	4.64	17.5	4.74
	33	10.4	2.47	12.4	3.19	14.4	4.02	15.4	4.43	16.4	4.84	16.8	4.84	17.2	4.95
	35	10.4	2.68	12.4	3.40	14.4	4.22	15.4	4.74	16.1	4.95	16.5	5.05	16.8	5.05
	37	10.1	2.68	12.0	3.40	14.0	4.33	14.9	4.74	15.3	4.95	15.7	4.95	16.1	4.95
	39	9.9	2.68	11.8	3.50	13.7	4.33	14.6	4.84	14.8	4.84	15.1	4.84	15.5	4.95
	42	9.9	2.89	11.8	3.71	13.7	4.64	14.6	5.05	14.6	4.95	14.8	5.05	15.2	5.05
	44	9.9	2.99	11.8	3.92	13.7	4.84	14.6	5.36	14.4	5.15	14.5	5.15	14.9	5.26
	46	9.9	3.19	11.8	4.12	13.7	5.15	14.6	5.67	14.2	5.26	14.2	5.36	14.6	5.46
90%	10	9.5	1.44	11.3	1.75	13.1	2.06	14.1	2.27	15.0	2.37	16.9	2.78	18.7	3.09
	12	9.4	1.44	11.3	1.75	13.1	2.06	14.1	2.27	15.0	2.47	16.8	2.78	18.7	3.09
	14	9.4	1.55	11.2	1.85	13.1	2.16	14.1	2.27	15.0	2.47	16.8	2.89	18.6	3.19
	16	9.4	1.55	11.2	1.85	13.1	2.16	14.1	2.37	15.0	2.58	16.8	2.89	18.6	3.30
	18	9.4	1.55	11.2	1.85	13.0	2.27	14.1	2.37	15.0	2.58	16.8	2.99	18.6	3.40
	20	9.4	1.55	11.2	1.96	13.0	2.27	14.0	2.47	14.9	2.68	16.8	3.19	18.6	3.71
	21	9.4	1.55	11.2	1.96	13.0	2.27	14.0	2.58	14.9	2.78	16.8	3.30	18.5	3.81
	23	9.4	1.65	11.2	2.06	13.0	2.47	14.0	2.68	14.9	2.99	16.7	3.50	18.1	4.02
	25	9.4	1.75	11.2	2.16	13.0	2.68	14.0	2.89	14.9	3.19	16.7	3.81	17.9	4.12
	27	9.4	1.85	11.2	2.27	13.0	2.78	14.0	3.09	14.9	3.40	16.7	4.02	17.6	4.33
	29	9.4	1.96	11.2	2.47	13.0	2.99	14.0	3.30	14.9	3.61	16.7	4.33	17.3	4.53
	31	9.3	2.06	11.1	2.58	13.0	3.19	14.0	3.50	14.9	3.92	16.7	4.64	17.1	4.64
	33	9.3	2.16	11.1	2.78	12.9	3.40	13.9	3.81	14.8	4.12	16.4	4.84	16.8	4.84
	35	9.3	2.37	11.1	2.99	12.9	3.61	13.9	4.02	14.8	4.43	16.1	4.95	16.5	5.05
	37	9.0	2.37	10.8	2.99	12.5	3.71	13.5	4.02	14.4	4.43	15.4	4.95	15.7	4.95
	39	8.8	2.37	10.5	2.99	12.3	3.71	13.2	4.12	14.1	4.53	14.8	4.84	15.1	4.84
	42	8.8	2.47	10.5	3.19	12.3	3.92	13.2	4.33	14.1	4.74	14.5	4.95	14.8	5.05
	44	8.8	2.58	10.5	3.30	12.3	4.12	13.2	4.64	14.1	5.05	14.2	5.15	14.5	5.15
	46	8.8	2.78	10.5	3.50	12.3	4.43	13.2	4.84	14.1	5.36	14.0	5.26	14.2	5.36
80%	10	8.4	1.24	10.1	1.55	11.7	1.85	12.5	1.96	13.3	2.06	14.9	2.37	16.5	2.68
	12	8.4	1.34	10.0	1.55	11.7	1.85	12.5	1.96	13.3	2.16	14.9	2.47	16.5	2.78
	14	8.4	1.34	10.0	1.55	11.7	1.85	12.5	2.06	13.3	2.16	14.9	2.47	16.5	2.78
	16	8.4	1.34	10.0	1.65	11.6	1.96	12.4	2.06	13.3	2.16	14.9	2.58	16.5	2.89
	18	8.4	1.34	10.0	1.65	11.6	1.96	12.4	2.06	13.2	2.27	14.9	2.58	16.5	2.89
	20	8.4	1.44	10.0	1.65	11.6	1.96	12.4	2.16	13.2	2.27	14.8	2.68	16.5	3.09
	21	8.3	1.44	10.0	1.75	11.6	1.96	12.4	2.16	13.2	2.37	14.8	2.78	16.4	3.19
	23	8.3	1.44	10.0	1.75	11.6	2.06	12.4	2.27	13.2	2.47	14.8	2.99	16.4	3.40
	25	8.3	1.44	10.0	1.85	11.6	2.27	12.4	2.47	13.2	2.68	14.8	3.19	16.4	3.71
	27	8.3	1.55	10.0	1.96	11.6	2.37	12.4	2.68	13.2	2.89	14.8	3.40	16.4	3.92
	29	8.3	1.65	10.0	2.06	11.6	2.58	12.4	2.78	13.2	3.09	14.8	3.61	16.4	4.22
	31	8.3	1.75	9.9	2.27	11.5	2.68	12.3	2.99	13.2	3.30	14.8	3.81	16.4	4.53
	33	8.3	1.85	9.9	2.37	11.5	2.89	12.3	3.19	13.1	3.50	14.7	4.12	16.3	4.84
	35	8.3	1.96	9.9	2.47	11.5	3.09	12.3	3.40	13.1	3.71	14.7	4.43	16.1	4.95
	37	8.0	2.06	9.6	2.58	11.2	3.09	11.9	3.40	12.7	3.71	14.3	4.43	15.3	4.95
	39	7.9	2.06	9.4	2.58	10.9	3.09	11.7	3.40	12.4	3.81	14.0	4.53	14.8	4.84
	42	7.9	2.16	9.4	2.68	10.9	3.30	11.7	3.61	12.4	4.02	14.0	4.74	14.6	4.95
	44	7.9	2.27	9.4	2.78	10.9	3.50	11.7	3.81	12.4	4.22	14.0	5.05	14.4	5.15
	46	7.9	2.37	9.4	2.99	10.9	3.71	11.7	4.02	12.4	4.43	14.0	5.36	14.2	5.26

2. Outdoor Units

2-8. Capacity table (A2A)

AE160MXTP✱H/EU

Cooling

Combination % (Capacity index)	Outdoor temperature (°C, DB)	Indoor temperature (WB, °C)													
		14		16		18		19		20		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	DB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
	10	7.4	1.13	8.8	1.34	10.2	1.55	11.0	1.65	11.7	1.75	13.1	2.06	14.5	2.27
	12	7.4	1.13	8.8	1.34	10.1	1.55	11.0	1.75	11.7	1.85	13.1	2.06	14.5	2.37
	14	7.4	1.13	8.7	1.34	10.1	1.65	10.9	1.75	11.7	1.85	13.1	2.16	14.5	2.37
	16	7.4	1.13	8.7	1.44	10.1	1.65	10.9	1.75	11.6	1.85	13.1	2.16	14.5	2.47
	18	7.4	1.24	8.7	1.44	10.1	1.65	10.9	1.85	11.6	1.96	13.0	2.16	14.5	2.47
	20	7.4	1.24	8.7	1.44	10.1	1.75	10.9	1.85	11.6	1.96	13.0	2.27	14.4	2.58
	21	7.4	1.24	8.7	1.44	10.1	1.75	10.9	1.85	11.6	1.96	13.0	2.27	14.4	2.68
	23	7.4	1.24	8.7	1.55	10.1	1.75	10.9	1.96	11.6	2.06	13.0	2.47	14.4	2.89
	25	7.4	1.24	8.7	1.55	10.1	1.85	10.9	2.06	11.6	2.27	13.0	2.58	14.4	2.99
70%	27	7.4	1.34	8.7	1.65	10.1	2.06	10.9	2.16	11.6	2.37	13.0	2.78	14.4	3.19
	29	7.4	1.44	8.7	1.75	10.1	2.16	10.9	2.37	11.6	2.58	13.0	2.99	14.4	3.50
	31	7.3	1.55	8.7	1.85	10.0	2.27	10.8	2.47	11.5	2.68	13.0	3.19	14.4	3.71
	33	7.3	1.65	8.7	1.96	10.0	2.37	10.8	2.68	11.5	2.89	12.9	3.40	14.3	3.92
	35	7.3	1.75	8.6	2.06	10.0	2.58	10.8	2.78	11.5	3.09	12.9	3.61	14.3	4.22
	37	7.1	1.75	8.4	2.16	9.7	2.58	10.5	2.89	11.2	3.09	12.5	3.61	13.9	4.22
	39	7.0	1.75	8.2	2.16	9.5	2.58	10.3	2.89	10.9	3.09	12.3	3.71	13.6	4.33
	42	7.0	1.85	8.2	2.27	9.5	2.78	10.3	2.99	10.9	3.30	12.3	3.92	13.6	4.53
	44	7.0	1.85	8.2	2.37	9.5	2.89	10.3	3.19	10.9	3.50	12.3	4.12	13.6	4.84
	46	7.0	1.96	8.2	2.47	9.5	3.09	10.3	3.40	10.9	3.71	12.3	4.33	13.6	5.05
	10	6.4	1.03	7.6	1.13	8.7	1.34	9.3	1.44	9.9	1.55	11.2	1.75	12.4	1.96
	12	6.4	1.03	7.6	1.13	8.7	1.34	9.3	1.44	9.9	1.55	11.2	1.75	12.4	1.96
	14	6.4	1.03	7.6	1.24	8.7	1.34	9.3	1.44	9.9	1.55	11.1	1.75	12.4	2.06
	16	6.4	1.03	7.6	1.24	8.7	1.44	9.3	1.55	9.9	1.65	11.1	1.85	12.3	2.06
	18	6.3	1.03	7.6	1.24	8.7	1.44	9.3	1.55	9.9	1.65	11.1	1.85	12.3	2.06
	20	6.3	1.03	7.6	1.24	8.7	1.44	9.3	1.55	9.9	1.65	11.1	1.85	12.3	2.16
	21	6.3	1.03	7.6	1.24	8.7	1.44	9.3	1.55	9.9	1.65	11.1	1.96	12.3	2.16
	23	6.3	1.13	7.5	1.24	8.7	1.44	9.3	1.65	9.9	1.75	11.1	1.96	12.3	2.27
	25	6.3	1.13	7.5	1.34	8.7	1.55	9.3	1.65	9.9	1.85	11.1	2.16	12.3	2.47
60%	27	6.3	1.13	7.5	1.34	8.7	1.65	9.3	1.75	9.9	1.96	11.1	2.27	12.3	2.58
	29	6.3	1.24	7.5	1.44	8.6	1.75	9.2	1.96	9.8	2.06	11.1	2.37	12.3	2.78
	31	6.3	1.24	7.5	1.55	8.6	1.85	9.2	2.06	9.8	2.16	11.0	2.58	12.2	2.99
	33	6.3	1.34	7.5	1.65	8.6	1.96	9.2	2.16	9.8	2.37	11.0	2.68	12.2	3.19
	35	6.3	1.44	7.5	1.75	8.6	2.06	9.2	2.27	9.8	2.47	11.0	2.89	12.2	3.40
	37	6.1	1.44	7.3	1.75	8.3	2.16	8.9	2.27	9.5	2.47	10.7	2.89	11.8	3.40
	39	6.0	1.44	7.1	1.75	8.2	2.16	8.7	2.37	9.3	2.58	10.4	2.99	11.6	3.40
	42	6.0	1.55	7.1	1.85	8.2	2.27	8.7	2.47	9.3	2.68	10.4	3.09	11.6	3.61
	44	6.0	1.65	7.1	1.96	8.2	2.37	8.7	2.58	9.3	2.78	10.4	3.30	11.6	3.81
	46	6.0	1.65	7.1	2.06	8.2	2.47	8.7	2.68	9.3	2.99	10.4	3.50	11.6	4.02
	10	5.3	0.82	6.3	0.93	7.4	1.13	7.8	1.24	8.3	1.24	9.3	1.44	10.4	1.55
	12	5.3	0.82	6.3	1.03	7.4	1.13	7.8	1.24	8.3	1.34	9.3	1.44	10.3	1.65
	14	5.3	0.82	6.3	1.03	7.3	1.13	7.8	1.24	8.3	1.34	9.3	1.44	10.3	1.65
	16	5.3	0.93	6.3	1.03	7.3	1.13	7.7	1.24	8.2	1.34	9.3	1.55	10.3	1.65
	18	5.3	0.93	6.3	1.03	7.3	1.24	7.7	1.24	8.2	1.34	9.3	1.55	10.3	1.75
	20	5.3	0.93	6.3	1.03	7.3	1.24	7.7	1.34	8.2	1.34	9.3	1.55	10.3	1.75
	21	5.3	0.93	6.3	1.03	7.3	1.24	7.7	1.34	8.2	1.44	9.2	1.55	10.3	1.75
	23	5.3	0.93	6.3	1.03	7.3	1.24	7.7	1.34	8.2	1.44	9.2	1.65	10.3	1.75
	25	5.3	0.93	6.3	1.13	7.3	1.24	7.7	1.34	8.2	1.44	9.2	1.65	10.3	1.96
50%	27	5.3	0.93	6.3	1.13	7.3	1.34	7.7	1.44	8.2	1.55	9.2	1.75	10.3	2.06
	29	5.3	1.03	6.3	1.24	7.3	1.44	7.7	1.55	8.2	1.65	9.2	1.85	10.3	2.16
	31	5.3	1.03	6.3	1.24	7.3	1.55	7.7	1.65	8.2	1.75	9.2	2.06	10.2	2.27
	33	5.2	1.13	6.3	1.34	7.3	1.55	7.7	1.75	8.2	1.85	9.2	2.16	10.2	2.47
	35	5.2	1.13	6.2	1.44	7.3	1.65	7.7	1.85	8.2	1.96	9.2	2.27	10.2	2.58
	37	5.1	1.24	6.1	1.44	7.0	1.65	7.5	1.85	7.9	1.96	8.9	2.27	9.9	2.68
	39	5.0	1.24	5.9	1.44	6.9	1.75	7.4	1.85	7.7	1.96	8.7	2.27	9.7	2.68
	42	5.0	1.24	5.9	1.55	6.9	1.75	7.4	1.96	7.7	2.06	8.7	2.47	9.7	2.78
	44	5.0	1.34	5.9	1.55	6.9	1.85	7.4	2.06	7.7	2.16	8.7	2.58	9.7	2.99
	46	5.0	1.34	5.9	1.65	6.9	1.96	7.4	2.16	7.7	2.27	8.7	2.68	9.7	3.09

2. Outdoor Units

2-9. Capacity correction

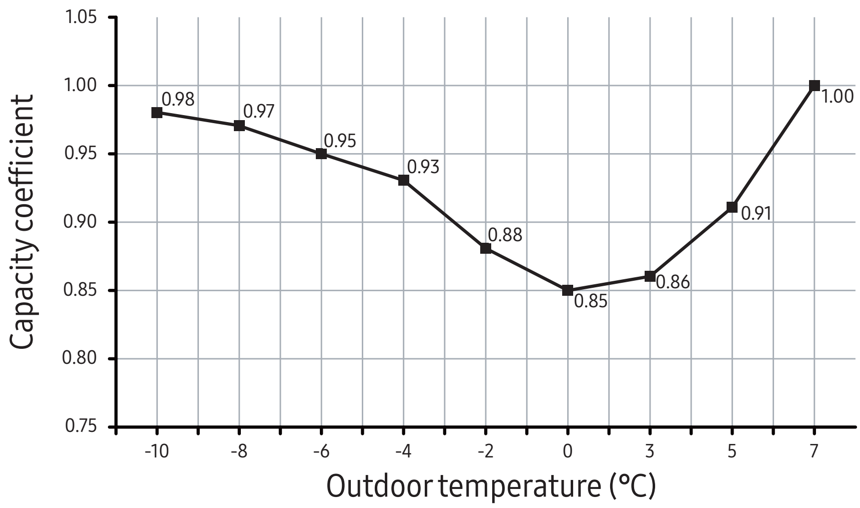
2-9-1. Defrosting correction factor

◆ On heating operation, frost can be formed on heat exchanger according to outdoor temperature.
(Frost on heat exchanger results in decreasing the performance.)
To remove frost on heat exchanger of outdoor unit, defrost operation is carried out periodically.
During defrost operation, capacity of outdoor unit may decrease.
The decrement is not considered to the individual capacity tables.

Outdoor temperature (°C, DB)	-10	-8	-6	-4	-2	0	3	5	7
Capacity coefficient	0.98	0.97	0.95	0.93	0.88	0.85	0.86	0.91	1.00

Corrected Heating Capacity = heating Capacity X Capacity coefficient

Capacity coefficient of outdoor unit on defrost operation

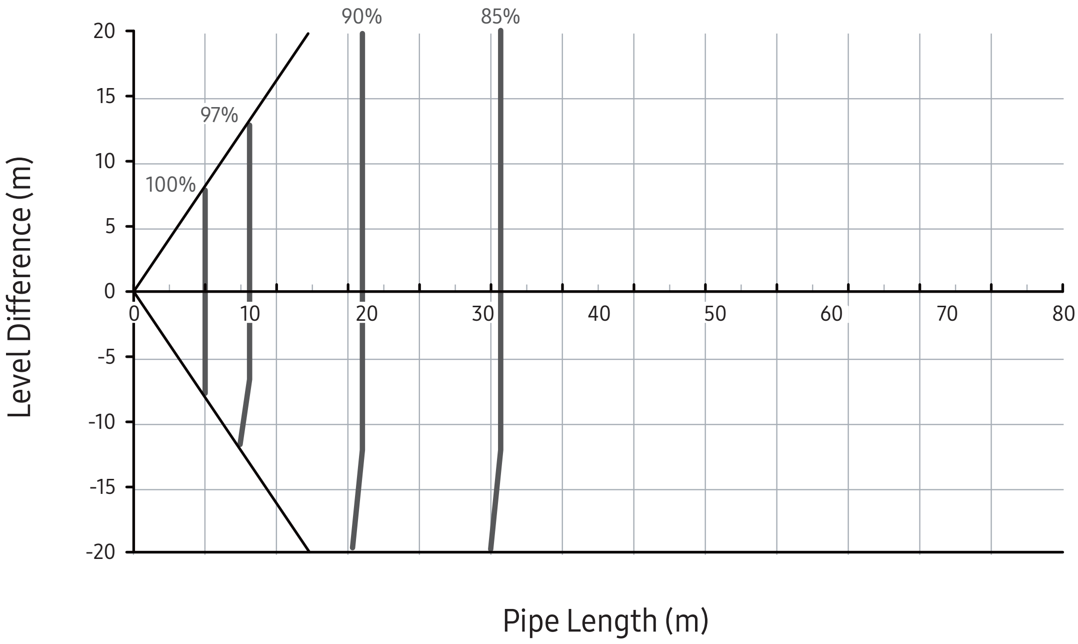


2. Outdoor Units

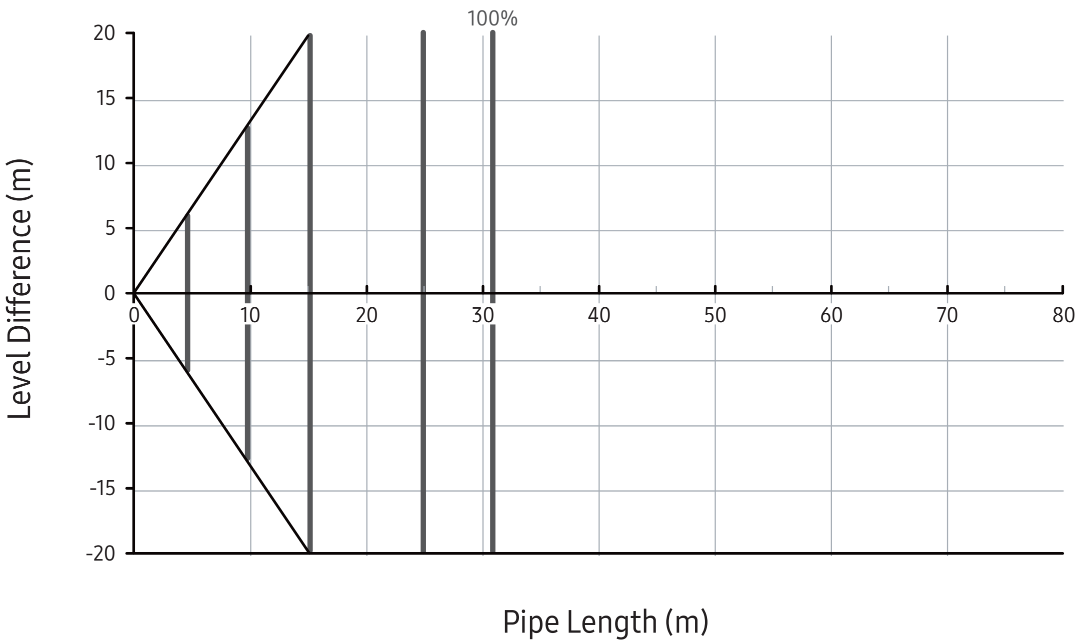
2-9. Capacity correction

2-9-2. AE044/066/090MXTP⚹H

1) Cooling



2) Heating

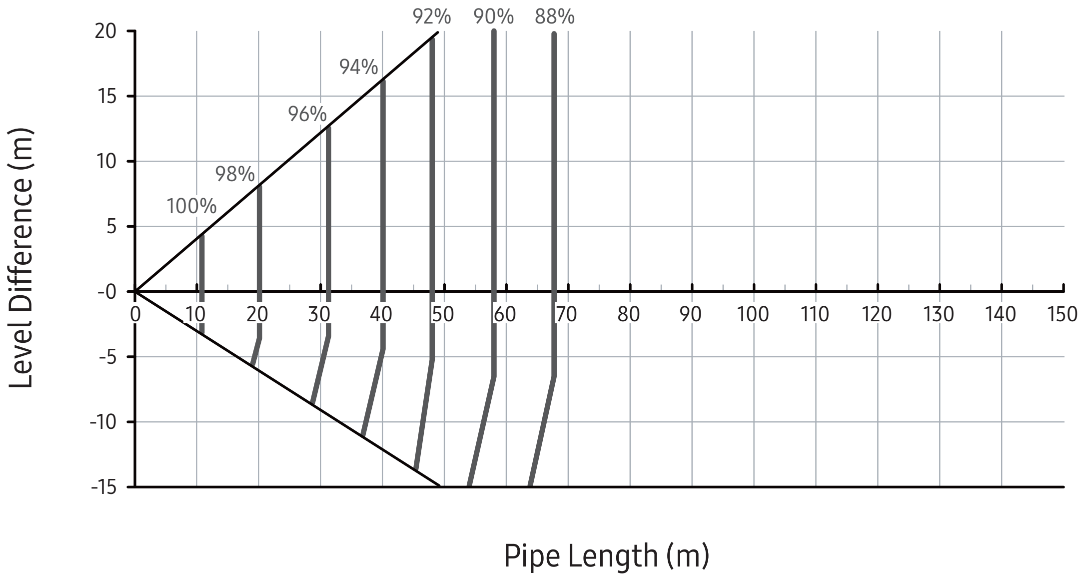


2. Outdoor Units

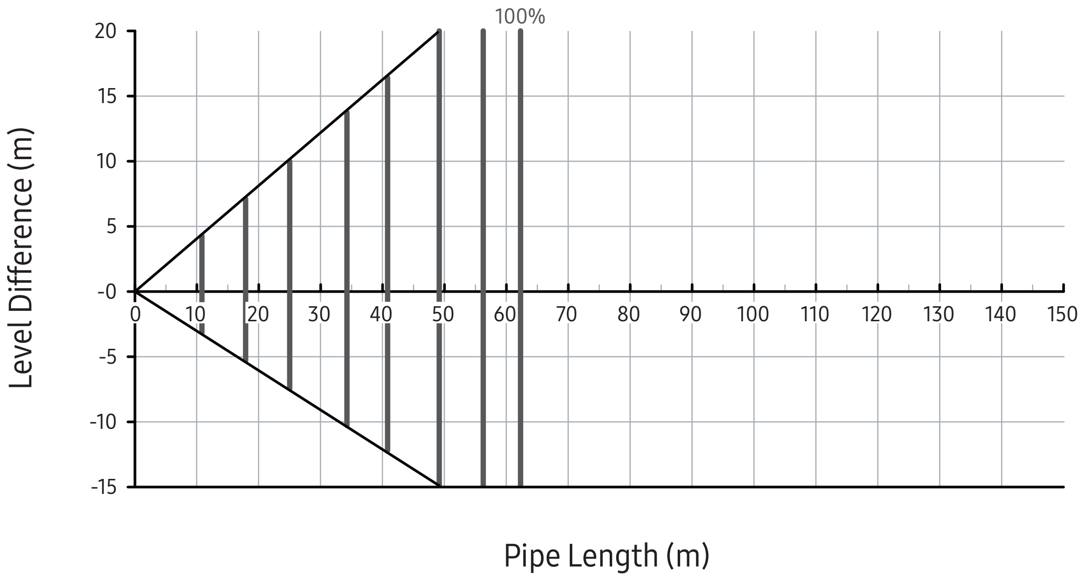
2-9. Capacity correction

2-9-2. AE120/160MXTP✲H

1) Cooling



2) Heating



3. Hydro Units

3-1. Specifications

				AE200TNWTEH/EU	AE200TNWTEH/EU	AE200TNWTEH/EU
Model Name	Indoor Unit			AE200TNWTEH/EU	AE200TNWTEH/EU	AE200TNWTEH/EU
	Outdoor Unit			AE044MXTPEH/EU	AE066MXTPEH/EU	AE090MXTPEH/EU
Mode			-	Heat Pump (A2W)	Heat Pump (A2W)	Heat Pump (A2W)
Power Supply			Φ, #, V, Hz	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
Power input	Cooling (Nominal)		kW	0.2	0.2	0.2
	Heating (Nominal)		kW	0.2	0.2	0.2
	Cooling (Max)		kW	0.2	0.2	0.2
	Heating (Max)		kW	5.2	5.2	5.2
Current Input	Cooling (Nominal)		A	0.9	0.9	0.9
	Heating (Nominal)		A	0.9	0.9	0.9
	Cooling (Max)		A	0.9	0.9	0.9
	Heating (Max)		A	22.7	22.7	22.7
Field Wiring	MCA		A	22.7	22.7	22.7
	MFA		A	28.4	28.4	28.4
Water Heating	Declared load profile		-	L	L	L
	Energy efficiency Class		-	A+	A+	A+
Connections	Water Flow Rate (Std)[H/C]		LPM	12.7/14.7	19.1/19.3	26.0/23.1
	Water Flow Rate	Min.	LPM	7	7	7
		Max.	LPM	48	48	48
	Water Pressure	Max.	bar	3	3	3
	Refrigerant pipe (To outdoor unit)	Type	-	Flare nut	Flare nut	Flare nut
		Liquid	Φ, mm	9.52	9.52	9.52
		Gas	Φ, mm	15.88	15.88	15.88
	Water pipe (Space heating)	Type	-	Straight pipe	Straight pipe	Straight pipe
		Liquid	Φ, mm	28	28	28
		Gas	Φ, mm	28	28	28
	Water pipe (DHW)	Type	-	Straight pipe	Straight pipe	Straight pipe
		Liquid	Φ, mm	22	22	22
		Gas	Φ, mm	22	22	22
	Water pipe (Secondary water return, Only 260L	Type	-	-	-	-
		Liquid	Φ, mm	-	-	-
	Leaving Water Temperature	Heating	°C	15~55	15~55	15~55
		Cooling	°C	5~25	5~25	5~25
DHW Tank	Nominal Water Volume		Liter	200	200	200
	Net Water Volume		Liter	194	194	194
	Material		-	SUS 316L	SUS 316L	SUS 316L
	Max. water pressure		bar	10	10	10
	Max. water temperature		°C	70	70	70
	Immersion heater (= booster heater)		kW	3	3	3
	Insulation		-	PU Foam	PU Foam	PU Foam
Water Pump	Type		-	Centrifurugal (UPMM 25-9.5)	Centrifurugal (UPMM 25-9.5)	Centrifurugal (UPMM 25-9.5)
	Motor Input		W	100	100	100
	Number of Unit		EA	1	1	1

3. Hydro Units

3-1. Specifications

Model Name	Indoor Unit			AE200TNWTEH/EU	AE200TNWTEH/EU	AE200TNWTEH/EU
	Outdoor Unit			AE044MXTPEH/EU	AE066MXTPEH/EU	AE090MXTPEH/EU
Backup Heater	Power		kW	2 (230V)	2 (230V)	2 (230V)
	Thermostat (Thermal Fuse)		°C	75 (93)	75 (93)	75 (93)
Safety device	Pressure relief valve		bar	2.9	2.9	2.9
	Flow Sensor		LPM	5~60	5~60	5~60
	Temperature & Pressure relief valve(Tank)		bar, °C	7, 90	7, 90	7, 90
	Thermostat (for immersion heater)		°C	Normal Temp (Factory Set) : 80°C Manual Action Temp :90°C(Auto On:15±3°C)	Normal Temp (Factory Set) : 80°C Manual Action Temp :90°C(Auto On:15±3°C)	Normal Temp (Factory Set) : 80°C Manual Action Temp :90°C(Auto On:15±3°C)
Expansion vessel	Internal water volume		Liter	8	8	8
	Working pressure		Mpa	0.3	0.3	0.3
Water Pump (Primary)	Type		-	BLDC Inv	BLDC Inv	BLDC Inv
	Max static pressure		mAq	9.5	9.5	9.5
Water Heat Exchanger	Type		-	Braszed Plate Exchager	Braszed Plate Exchager	Braszed Plate Exchager
	Internal water volume		L	1.01(Water Side) 0.98(Refrigerant Side)	1.01(Water Side) 0.98(Refrigerant Side)	1.01(Water Side) 0.98(Refrigerant Side)
IP Class			-	IPX1	IPX1	IPX1
Air Purge Valve			Φ, inch	BSPP male 3/8	BSPP male 3/8	BSPP male 3/8
Service Valve			Φ, inch	N/A	N/A	N/A
Sound	Sound Pressure	Heating	dB(A)	29	29	29
		Cooling	dB(A)	29	29	29
	Sound Power		dB(A)	43	43	43
External Dimension	Net Weight		kg	137	137	137
	Shipping Weight		kg	149	149	149
	Net Dimensions (WxHxD)		mm	595 x 1,800 x 700	595 x 1,800 x 700	595 x 1,800 x 700
	Shipping Dimensions (WxHxD)		mm	700 x 2,000 x 780	700 x 2,000 x 780	700 x 2,000 x 780

NOTE

- Specifications may be subject to change without prior notice.

3. Hydro Units

3-1. Specifications

				AE200TNWTEH/EU	AE260TNWTEH/EU	AE260TNWTEH/EU
Model Name	Indoor Unit			AE200TNWTEH/EU	AE260TNWTEH/EU	AE260TNWTEH/EU
	Outdoor Unit			AE090MXTPGH/EU	AE044MXTPEH/EU	AE066MXTPEH/EU
Mode			-	Heat Pump (A2W)	Heat Pump (A2W)	Heat Pump (A2W)
Power Supply			Φ, #, V, Hz	3,4,380-415,50	1,2,220-240,50	1,2,220-240,50
Power input	Cooling (Nominal)		kW	0.2	0.2	0.2
	Heating (Nominal)		kW	0.2	0.2	0.2
	Cooling (Max)		kW	0.2	0.2	0.2
	Heating (Max)		kW	5.2	5.2	5.2
Current Input	Cooling (Nominal)		A	0.9	0.9	0.9
	Heating (Nominal)		A	0.9	0.9	0.9
	Cooling (Max)		A	0.9	0.9	0.9
	Heating (Max)		A	22.7	22.7	22.7
Field Wiring	MCA		A	22.7	22.7	22.7
	MFA		A	28.4	28.4	28.4
Water Heating	Declared load profile		-	L	XL	XL
	Energy efficiency Class		-	A+	A	A
Connections	Water Flow Rate (Std)[H/C]		LPM	26.0/23.1	12.7/14.7	19.1/19.3
	Water Flow Rate	Min.	LPM	7	7	7
		Max.	LPM	48	48	48
	Water Pressure	Max.	bar	3	3	3
	Refrigerant pipe (To outdoor unit)	Type	-	Flare nut	Flare nut	Flare nut
		Liquid	Φ, mm	9.52	9.52	9.52
		Gas	Φ, mm	15.88	15.88	15.88
	Water pipe (Space heating)	Type	-	Straight pipe	Straight pipe	Straight pipe
		Liquid	Φ, mm	28	28	28
		Gas	Φ, mm	28	28	28
	Water pipe (DHW)	Type	-	Straight pipe	Straight pipe	Straight pipe
		Liquid	Φ, mm	22	22	22
		Gas	Φ, mm	22	22	22
	Water pipe (Secondary water return, Only 260L	Type	-	-	Straight pipe	Straight pipe
		Liquid	Φ, mm	-	22	22
	Leaving Water Temperature	Heating	°C	15~55	15~55	15~55
		Cooling	°C	5~25	5~25	5~25
DHW Tank	Nominal Water Volume		Liter	200	260	260
	Net Water Volume		Liter	194	254	254
	Material		-	SUS 316L	SUS 316L	SUS 316L
	Max. water pressure		bar	10	10	10
	Max. water temperature		°C	70	70	70
	Immersion heater (= booster heater)		kW	3	3	3
	Insulation		-	PU Foam	PU Foam	PU Foam
Water Pump	Type		-	Centrifurugal (UPMM 25-9.5)	Centrifurugal (UPMM 25-9.5)	Centrifurugal (UPMM 25-9.5)
	Motor Input		W	100	100	100
	Number of Unit		EA	1	1	1

3. Hydro Units

3-1. Specifications

Model Name	Indoor Unit			AE200TNWTEH/EU	AE260TNWTEH/EU	AE260TNWTEH/EU
	Outdoor Unit			AE090MXTPGH/EU	AE044MXTPEH/EU	AE066MXTPEH/EU
Backup Heater	Power		kW	2 (230V)	2 (230V)	2 (230V)
	Thermostat (Thermal Fuse)		℃	75 (93)	75 (93)	75 (93)
Safety device	Pressure relief valve		bar	2.9	2.9	2.9
	Flow Sensor		LPM	5~60	5~60	5~60
	Temperature & Pressure relief valve(Tank)		bar, ℃	7, 90	7, 90	7, 90
	Thermostat (for immersion heater)		℃	Normal Temp (Factory Set) : 80℃ Manual Action Temp :90℃(Auto On:15±3℃)	Normal Temp (Factory Set) : 80℃ Manual Action Temp :90℃(Auto On:15±3℃)	Normal Temp (Factory Set) : 80℃ Manual Action Temp :90℃(Auto On:15±3℃)
Expansion vessel	Internal water volume		Liter	8	8	8
	Working pressure		Mpa	0.3	0.3	0.3
Water Pump (Primary)	Type		-	BLDC Inv	BLDC Inv	BLDC Inv
	Max static pressure		mAq	9.5	9.5	9.5
Water Heat Exchanger	Type		-	Braszed Plate Exchager	Braszed Plate Exchager	Braszed Plate Exchager
	Internal water volume		L	1.01(Water Side) 0.98(Refrigerant Side)	1.01(Water Side) 0.98(Refrigerant Side)	1.01(Water Side) 0.98(Refrigerant Side)
IP Class			-	IPX1	IPX1	IPX1
Air Purge Valve			Φ, inch	BSPP male 3/8	BSPP male 3/8	BSPP male 3/8
Service Valve			Φ, inch	N/A	N/A	N/A
Sound	Sound Pressure	Heating	dB(A)	29	29	29
		Cooling	dB(A)	29	29	29
	Sound Power		dB(A)	43	43	43
External Dimension	Net Weight		kg	137	147	147
	Shipping Weight		kg	149	159	159
	Net Dimensions (WxHxD)		mm	595 x 1,800 x 700	595 x 1,800 x 700	595 x 1,800 x 700
	Shipping Dimensions (WxHxD)		mm	700 x 2,000 x 780	700 x 2,000 x 780	700 x 2,000 x 780

NOTE

- Specifications may be subject to change without prior notice.

3. Hydro Units

3-1. Specifications

Model Name	Indoor Unit			AE260TNWTEH/EU	AE260TNWTEH/EU	AE260TNWTEH/EU
	Outdoor Unit			AE090MXTPEH/EU	AE090MXTPGH/EU	AE120MXTPEH/EU
Mode			-	Heat Pump (A2W)	Heat Pump (A2W)	Heat Pump (A2W)
Power Supply			Φ, #, V, Hz	1,2,220-240,50	3,4,380-415,50	1,2,220-240,50
Power input	Cooling (Nominal)		kW	0.2	0.2	0.2
	Heating (Nominal)		kW	0.2	0.2	0.2
	Cooling (Max)		kW	0.2	0.2	0.2
	Heating (Max)		kW	5.2	5.2	5.2
Current Input	Cooling (Nominal)		A	0.9	0.9	0.9
	Heating (Nominal)		A	0.9	0.9	0.9
	Cooling (Max)		A	0.9	0.9	0.9
	Heating (Max)		A	22.7	22.7	22.7
Field Wiring	MCA		A	22.7	22.7	22.7
	MFA		A	28.4	28.4	28.4
Water Heating	Declared load profile		-	XL	XL	XL
	Energy efficiency Class		-	A	A	A
Connections	Water Flow Rate (Std)[H/C]		LPM	26.0/23.1	26.0/23.1	34.6/34.6
	Water Flow Rate	Min.	LPM	7	7	12
		Max.	LPM	48	48	58
	Water Pressure	Max.	bar	3	3	3
	Refrigerant pipe (To outdoor unit)	Type	-	Flare nut	Flare nut	Flare nut
		Liquid	Φ, mm	9.52	9.52	9.52
		Gas	Φ, mm	15.88	15.88	15.88
	Water pipe (Space heating)	Type	-	Straight pipe	Straight pipe	Straight pipe
		Liquid	Φ, mm	28	28	28
		Gas	Φ, mm	28	28	28
	Water pipe (DHW)	Type	-	Straight pipe	Straight pipe	Straight pipe
		Liquid	Φ, mm	22	22	22
		Gas	Φ, mm	22	22	22
	Water pipe (Secondary water return, Only 260L	Type	-	Straight pipe	Straight pipe	Straight pipe
		Liquid	Φ, mm	22	22	22
	Leaving Water Temperature	Heating	°C	15~55	15~55	15~55
		Cooling	°C	5~25	5~25	5~25
DHW Tank	Nominal Water Volume		Liter	260	260	260
	Net Water Volume		Liter	254	254	254
	Material		-	SUS 316L	SUS 316L	SUS 316L
	Max. water pressure		bar	10	10	10
	Max. water temperature		°C	70	70	70
	Immersion heater (= booster heater)		kW	3	3	3
	Insulation		-	PU Foam	PU Foam	PU Foam
Water Pump	Type		-	Centrifurugal (UPMM 25-9.5)	Centrifurugal (UPMM 25-9.5)	Centrifurugal (UPMM 25-9.5)
	Motor Input		W	100	100	100
	Number of Unit		EA	1	1	1

3. Hydro Units

3-1. Specifications

Model Name	Indoor Unit			AE260TNWTEH/EU	AE260TNWTEH/EU	AE260TNWTEH/EU
	Outdoor Unit			AE090MXTPEH/EU	AE090MXTPGH/EU	AE120MXTPEH/EU
Backup Heater	Power		kW	2 (230V)	2 (230V)	2 (230V)
	Thermostat (Thermal Fuse)		℃	75 (93)	75 (93)	75 (93)
Safety device	Pressure relief valve		bar	2.9	2.9	2.9
	Flow Sensor		LPM	5~60	5~60	5~60
	Temperature & Pressure relief valve(Tank)		bar, ℃	7, 90	7, 90	7, 90
	Thermostat (for immersion heater)		℃	Normal Temp (Factory Set) : 80℃ Manual Action Temp :90℃(Auto On:15±3℃)	Normal Temp (Factory Set) : 80℃ Manual Action Temp :90℃(Auto On:15±3℃)	Normal Temp (Factory Set) : 80℃ Manual Action Temp :90℃(Auto On:15±3℃)
Expansion vessel	Internal water volume		Liter	8	8	8
	Working pressure		Mpa	0.3	0.3	0.3
Water Pump (Primary)	Type		-	BLDC Inv	BLDC Inv	BLDC Inv
	Max static pressure		mAq	9.5	9.5	9.5
Water Heat Exchanger	Type		-	Braszed Plate Exchager	Braszed Plate Exchager	Braszed Plate Exchager
	Internal water volume		L	1.01(Water Side) 0.98(Refrigerant Side)	1.01(Water Side) 0.98(Refrigerant Side)	1.01(Water Side) 0.98(Refrigerant Side)
IP Class			-	IPX1	IPX1	IPX1
Air Purge Valve			Φ, inch	BSPP male 3/8	BSPP male 3/8	BSPP male 3/8
Service Valve			Φ, inch	N/A	N/A	N/A
Sound	Sound Pressure	Heating	dB(A)	29	29	33
		Cooling	dB(A)	29	29	33
	Sound Power		dB(A)	43	43	47
External Dimension	Net Weight		kg	147	147	147
	Shipping Weight		kg	159	159	159
	Net Dimensions (WxHxD)		mm	595 x 1,800 x 700	595 x 1,800 x 700	595 x 1,800 x 700
	Shipping Dimensions (WxHxD)		mm	700 x 2,000 x 780	700 x 2,000 x 780	700 x 2,000 x 780

NOTE

- Specifications may be subject to change without prior notice.

3. Hydro Units

3-1. Specifications

				AE260TNWTEH/EU	AE260TNWTEH/EU	AE260TNWTEH/EU
Model Name	Indoor Unit			AE260TNWTEH/EU	AE260TNWTEH/EU	AE260TNWTEH/EU
	Outdoor Unit			AE120MXTPGH/EU	AE160MXTPEH/EU	AE160MXTPGH/EU
Mode			-	Heat Pump (A2W)	Heat Pump (A2W)	Heat Pump (A2W)
Power Supply			Φ, #, V, Hz	3,4,380-415,50	1,2,220-240,50	3,4,380-415,50
Power input	Cooling (Nominal)		kW	0.2	0.2	0.2
	Heating (Nominal)		kW	0.2	0.2	0.2
	Cooling (Max)		kW	0.2	0.2	0.2
	Heating (Max)		kW	5.2	5.2	5.2
Current Input	Cooling (Nominal)		A	0.9	0.9	0.9
	Heating (Nominal)		A	0.9	0.9	0.9
	Cooling (Max)		A	0.9	0.9	0.9
	Heating (Max)		A	22.7	22.7	22.7
Field Wiring	MCA		A	22.7	22.7	22.7
	MFA		A	28.4	28.4	28.4
Water Heating	Declared load profile		-	XL	XL	XL
	Energy efficiency Class		-	A	A	A
Connections	Water Flow Rate (Std)[H/C]		LPM	34.6/34.6	46.2/41.8	46.2/41.8
	Water Flow Rate	Min.	LPM	12	12	12
		Max.	LPM	58	58	58
	Water Pressure	Max.	bar	3	3	3
	Refrigerant pipe (To outdoor unit)	Type	-	Flare nut	Flare nut	Flare nut
		Liquid	Φ, mm	9.52	9.52	9.52
		Gas	Φ, mm	15.88	15.88	15.88
	Water pipe (Space heating)	Type	-	Straight pipe	Straight pipe	Straight pipe
		Liquid	Φ, mm	28	28	28
		Gas	Φ, mm	28	28	28
	Water pipe (DHW)	Type	-	Straight pipe	Straight pipe	Straight pipe
		Liquid	Φ, mm	22	22	22
		Gas	Φ, mm	22	22	22
	Water pipe (Secondary water return, Only 260L	Type	-	Straight pipe	Straight pipe	Straight pipe
		Liquid	Φ, mm	22	22	22
	Leaving Water Temperature	Heating	°C	15~55	15~55	15~55
		Cooling	°C	5~25	5~25	5~25
DHW Tank	Nominal Water Volume		Liter	260	260	260
	Net Water Volume		Liter	254	254	254
	Material		-	SUS 316L	SUS 316L	SUS 316L
	Max. water pressure		bar	10	10	10
	Max. water temperature		°C	70	70	70
	Immersion heater (= booster heater)		kW	3	3	3
	Insulation		-	PU Foam	PU Foam	PU Foam
Water Pump	Type		-	Centrifurugal (UPMM 25-9.5)	Centrifurugal (UPMM 25-9.5)	Centrifurugal (UPMM 25-9.5)
	Motor Input		W	100	100	100
	Number of Unit		EA	1	1	1

3. Hydro Units

3-1. Specifications

Model Name	Indoor Unit			AE260TNWTEH/EU	AE260TNWTEH/EU	AE260TNWTEH/EU
	Outdoor Unit			AE120MXTPGH/EU	AE160MXTPEH/EU	AE160MXTPGH/EU
Backup Heater	Power		kW	2 (230V)	2 (230V)	2 (230V)
	Thermostat (Thermal Fuse)		℃	75 (93)	75 (93)	75 (93)
Safety device	Pressure relief valve		bar	2.9	2.9	2.9
	Flow Sensor		LPM	5~60	5~60	5~60
	Temperature & Pressure relief valve(Tank)		bar, ℃	7, 90	7, 90	7, 90
	Thermostat (for immersion heater)		℃	Normal Temp (Factory Set) : 80℃ Manual Action Temp :90℃(Auto On:15±3℃)	Normal Temp (Factory Set) : 80℃ Manual Action Temp :90℃(Auto On:15±3℃)	Normal Temp (Factory Set) : 80℃ Manual Action Temp :90℃(Auto On:15±3℃)
Expansion vessel	Internal water volume		Liter	8	8	8
	Working pressure		Mpa	0.3	0.3	0.3
Water Pump (Primary)	Type		-	BLDC Inv	BLDC Inv	BLDC Inv
	Max static pressure		mAq	9.5	9.5	9.5
Water Heat Exchanger	Type		-	Braszed Plate Exchager	Braszed Plate Exchager	Braszed Plate Exchager
	Internal water volume		L	1.01(Water Side) 0.98(Refrigerant Side)	1.01(Water Side) 0.98(Refrigerant Side)	1.01(Water Side) 0.98(Refrigerant Side)
IP Class			-	IPX1	IPX1	IPX1
Air Purge Valve			Φ, inch	BSPP male 3/8	BSPP male 3/8	BSPP male 3/8
Service Valve			Φ, inch	N/A	N/A	N/A
Sound	Sound Pressure	Heating	dB(A)	33	33	33
		Cooling	dB(A)	33	33	33
	Sound Power		dB(A)	47	47	47
External Dimension	Net Weight		kg	147	147	147
	Shipping Weight		kg	159	159	159
	Net Dimensions (WxHxD)		mm	595 x 1,800 x 700	595 x 1,800 x 700	595 x 1,800 x 700
	Shipping Dimensions (WxHxD)		mm	700 x 2,000 x 780	700 x 2,000 x 780	700 x 2,000 x 780

NOTE

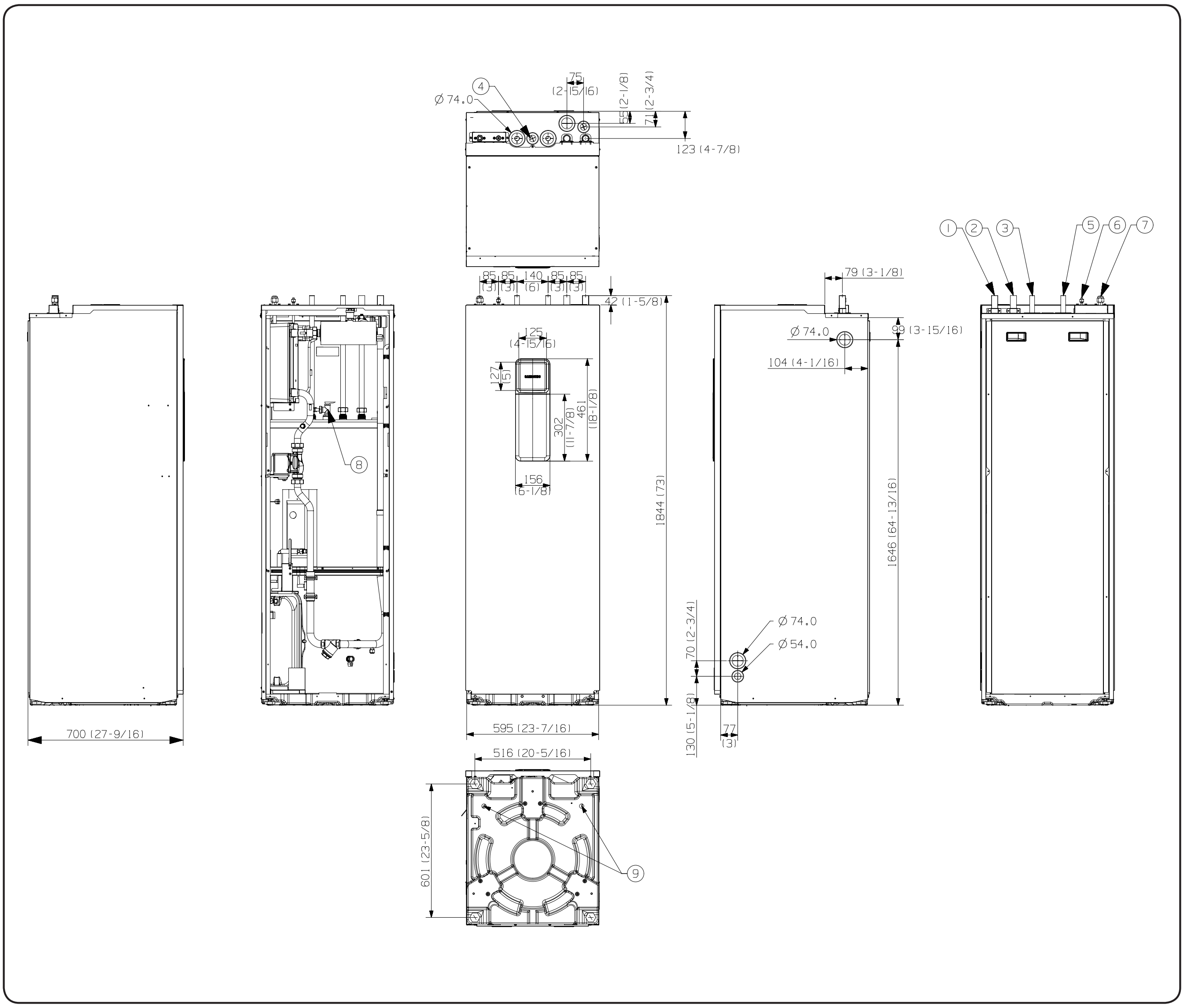
- Specifications may be subject to change without prior notice.

3. Hydro Units

3-2. Dimensional drawing

AE200TNWTEH/EU, AE260TNWTEH/EU

Unit : mm

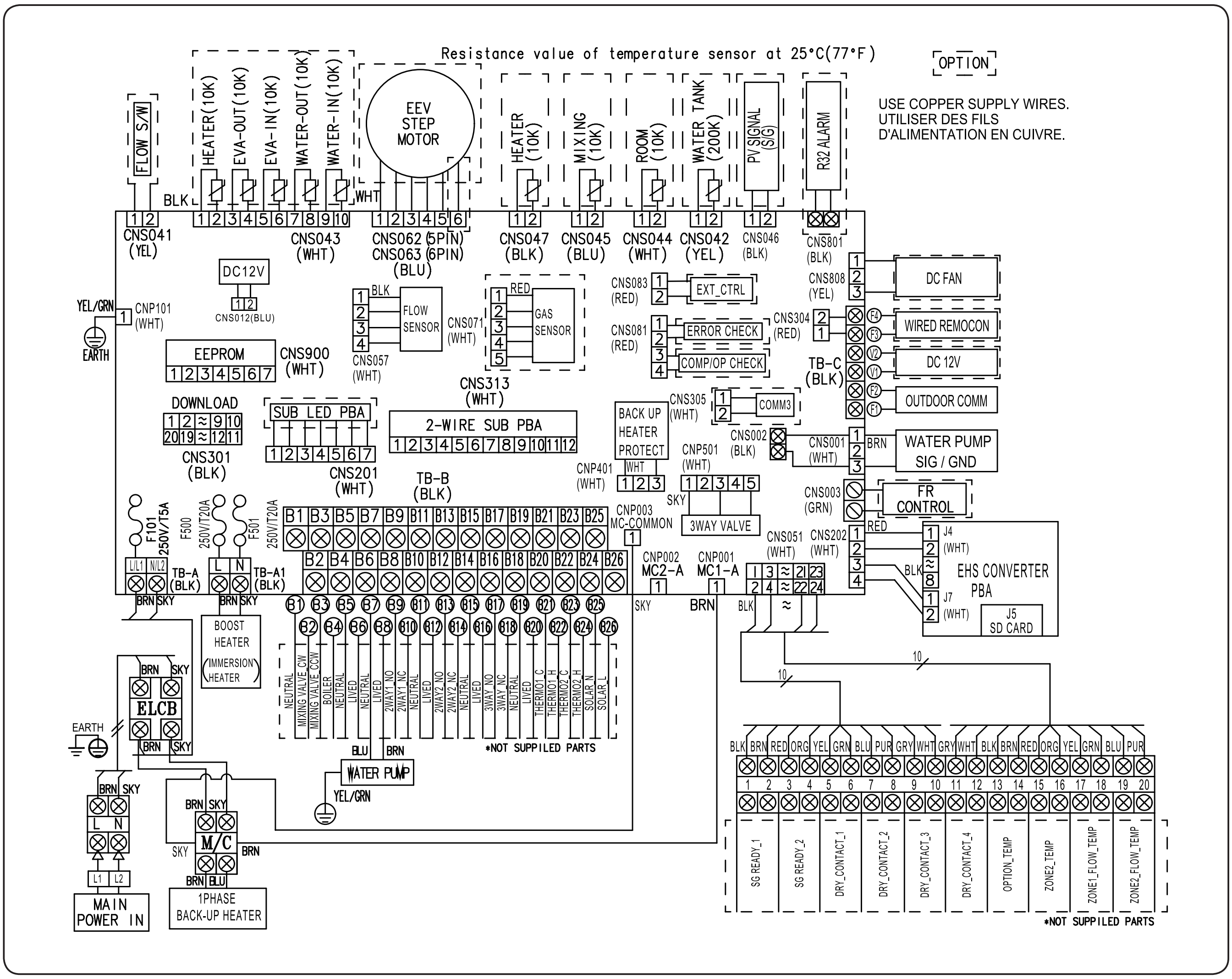


NO	Name	Description	
		AE200TNWTEH/EU	AE260TNWTEH/EU
1	Space heating Inlet	Ø28	Ø28
2	Space heating Outlet	Ø28	Ø28
3	DHW Inlet	Ø22	Ø22
4	Secondary water return	N/A	Ø22
5	DHW Outlet	Ø22	Ø22
6	Refrigerant liquid pipe	Ø9.52	Ø9.52
7	Refrigerant Gas pipe	Ø15.88	Ø15.88
8	T/P v/v	Female PT1/2"	Female PT1/2"
9	Drain Holes	(Option) Connect with the provided drain plug	

3. Hydro Units

3-3. Electrical wiring diagram

AE200TNWTEH/EU, AE260TNWTEH/EU



HEATER	Thermistor HEATER(10K)	EVA-OUT	Thermistor EVA-OUT(10K)
EVA-IN	Thermistor EVA-IN(10K)	WATER-OUT	Thermistor WATER-OUT(10K)
WATER-IN	Thermistor WATER-IN(10K)	WATER TANK	Thermistor WATER TANK(200K)
MIXING	Thermistor MIXING VALVE(10K)	WIRED REMOCON	Wired Remote Controller
OUTDOOR COMM	Outdoor Communication	SIG/GND	Signal/Ground
ELCB	Earth Leakage Circuit Breaker	M/C	Magnetic Contactor

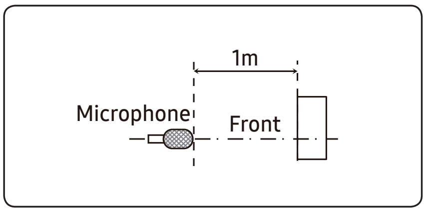
NOTE

1. This wiring diagram applies only to the Indoor unit.
2. Symbols show as follow :
   blk: black, red: red, blu: blue, wht: white, yel: yellow, brn: brown, sky: skyblue, grn: green
3. For connection wiring indoor-outdoor transmission F1-F2, indoor-wired remote controller transmission F3-F4.
4. ⏚ Protective earth(SCREW)

3-4. Sound data

Sound Pressure level

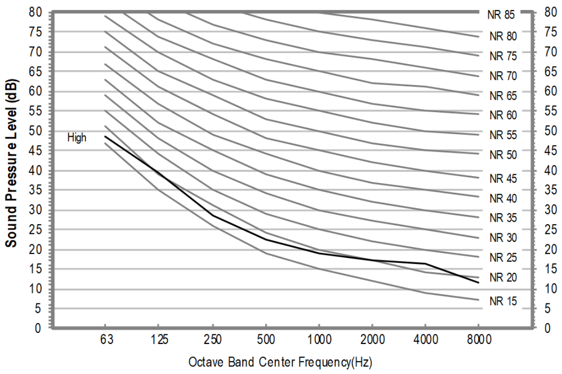
Unit: dB(A)



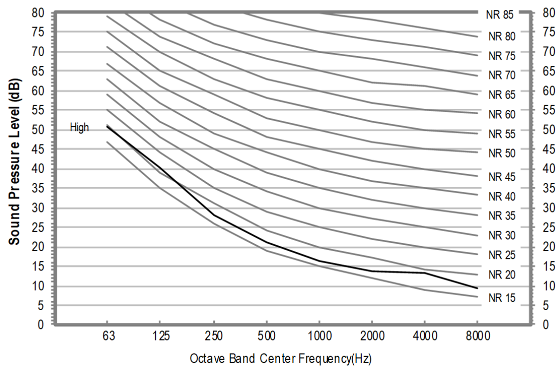
Model	Cooling	Heating
AE200TNWTEH/EU+AE044MXTPEH/EU	29	29
AE200TNWTEH/EU+AE066MXTPEH/EU	29	29
AE200TNWTEH/EU+AE090MXTPEH/EU	29	29
AE200TNWTEH/EU+AE090MXTPGH/EU	29	29

- NR Curve

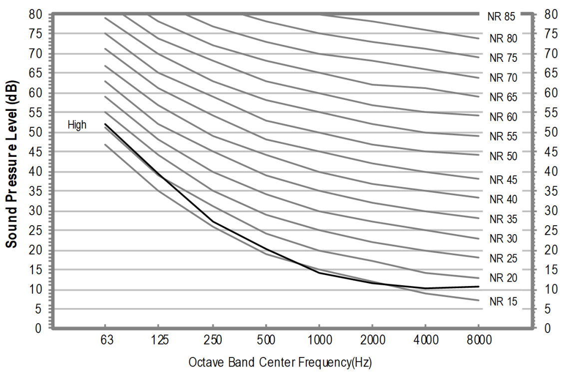
1) AE200TNWTEH/EU+AE044MXTPEH/EU



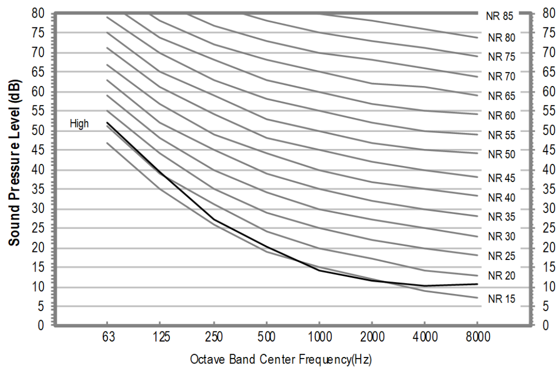
2) AE200TNWTEH/EU+AE066MXTPEH/EU



3) AE200TNWTEH/EU+AE090MXTPEH/EU



4) AE200TNWTEH/EU+AE090MXTPGH/EU



NOTE

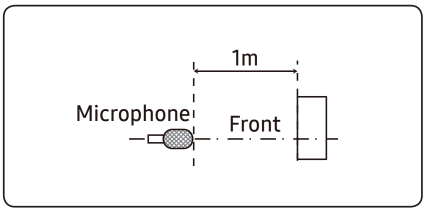
- Specifications may be subject to change without prior notice.
- Sound Pressure Level
  - Sound pressure level is obtained in an anechoic room.
  - Sound pressure level is a relative value, depending on the distance and acoustic environment.
  - Sound pressure level may differ depending on operation condition.
  - dBA = A weighted sound pressure level
  - Reference acoustic pressure 0 dB = 20µPa

3. Hydro Units

3-4. Sound data

Sound Pressure level

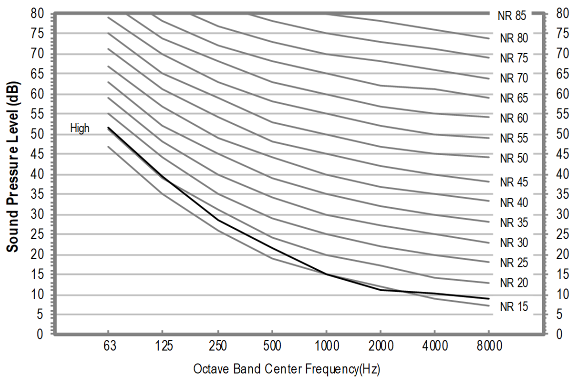
Unit: dB(A)



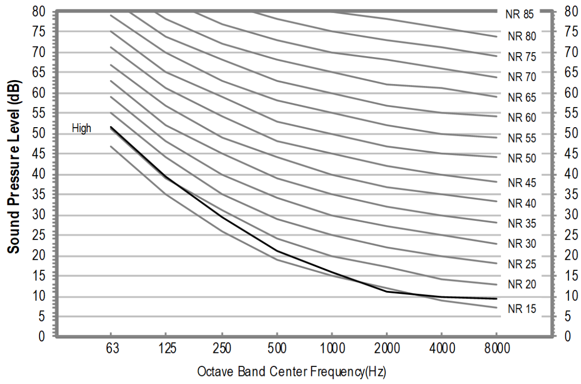
Model	Cooling	Heating
AE260TNWTEH/EU+AE044MXTPEH/EU	29	29
AE260TNWTEH/EU+AE066MXTPEH/EU	29	29
AE260TNWTEH/EU+AE090MXTPEH/EU	29	29
AE260TNWTEH/EU+AE090MXTPGH/EU	29	29

- NR Curve

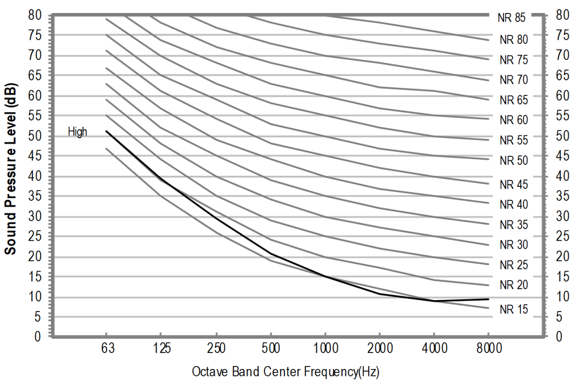
1) AE260TNWTEH/EU+AE044MXTPEH/EU



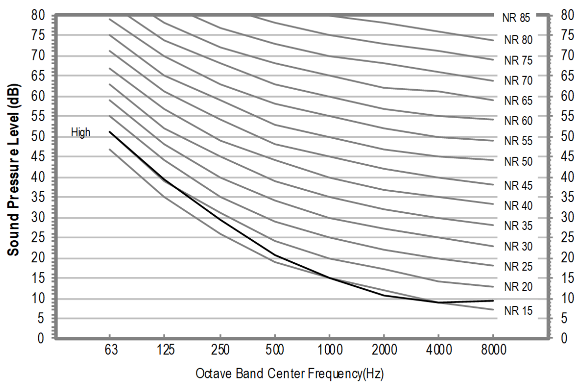
2) AE260TNWTEH/EU+AE066MXTPEH/EU



3) AE260TNWTEH/EU+AE090MXTPEH/EU



4) AE260TNWTEH/EU+AE090MXTPGH/EU



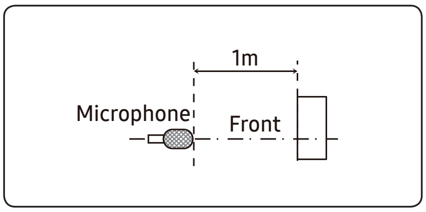
NOTE

- Specifications may be subject to change without prior notice.
- Sound Pressure Level
  - Sound pressure level is obtained in an anechoic room.
  - Sound pressure level is a relative value, depending on the distance and acoustic environment.
  - Sound pressure level may differ depending on operation condition.
  - dBA = A weighted sound pressure level
  - Reference acoustic pressure 0 dB = 20µPa

3. Hydro Units

3-4. Sound data

Sound Pressure level

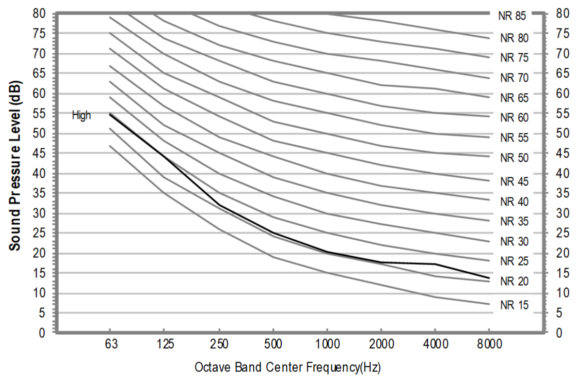


Unit: dB(A)

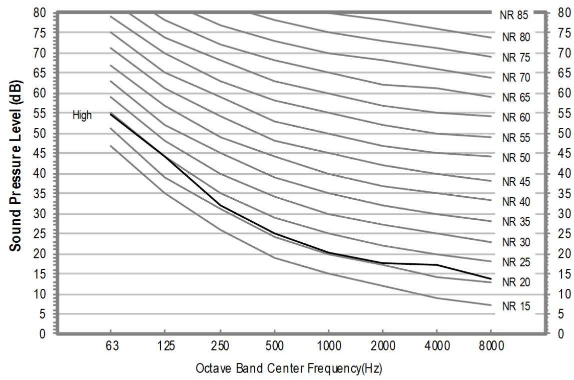
Model	Cooling	Heating
AE260TNWTEH/EU+AE120MXTPEH/EU	33	33
AE260TNWTEH/EU+AE120MXTPGH/EU	33	33
AE260TNWTEH/EU+AE160MXTPEH/EU	33	33
AE260TNWTEH/EU+AE160MXTPGH/EU	33	33

- NR Curve

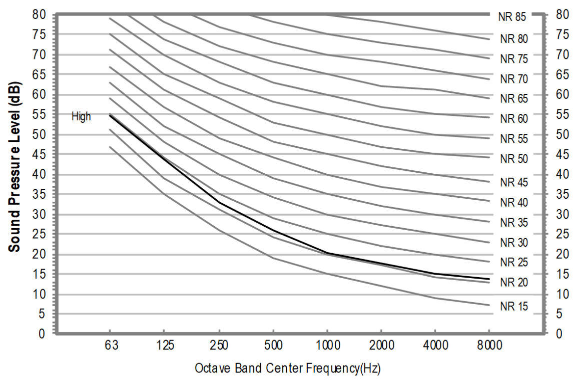
1) AE260TNWTEH/EU+AE120MXTPEH/EU



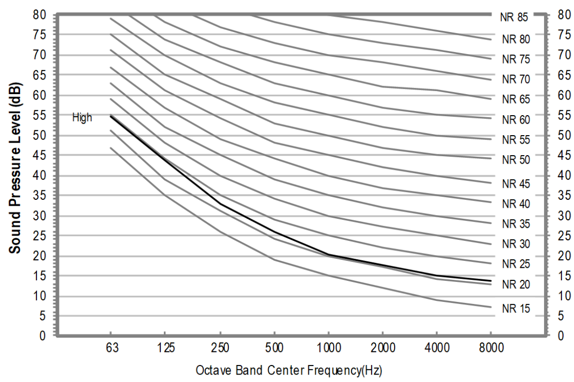
2) AE260TNWTEH/EU+AE120MXTPGH/EU



3) AE260TNWTEH/EU+AE160MXTPEH/EU



4) AE260TNWTEH/EU+AE160MXTPGH/EU



NOTE

- Specifications may be subject to change without prior notice.
- Sound Pressure Level
  - Sound pressure level is obtained in an anechoic room.
  - Sound pressure level is a relative value, depending on the distance and acoustic environment.
  - Sound pressure level may differ depending on operation condition.
  - dBA = A weighted sound pressure level
  - Reference acoustic pressure 0 dB = 20µPa

3. Hydro Units

3-4. Sound data

Sound Power level

NOTE

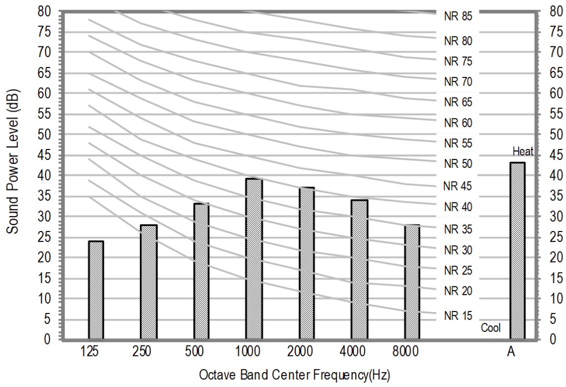
- Specifications may be subject to change without prior notice
  - Sound power level is an absolute value that a sound source generates.
  - dBA = A-weighted sound power level.
  - Reference power : 1pW.
  - Measured according to ISO 3741.

Unit: dB(A)

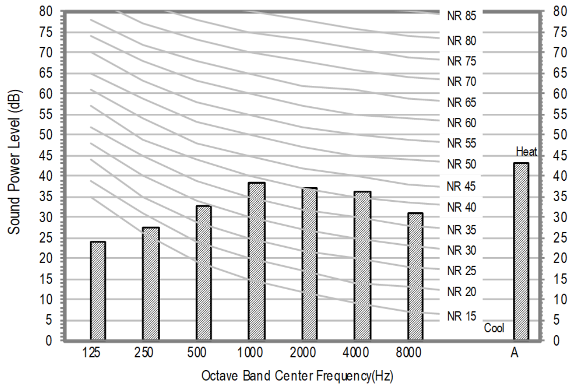
Model	Heating
AE200TNWTEH/EU+AE044MXTPEH/EU	43
AE200TNWTEH/EU+AE066MXTPEH/EU	43
AE200TNWTEH/EU+AE090MXTPEH/EU	43
AE200TNWTEH/EU+AE090MXTPGH/EU	43

- NR Curve

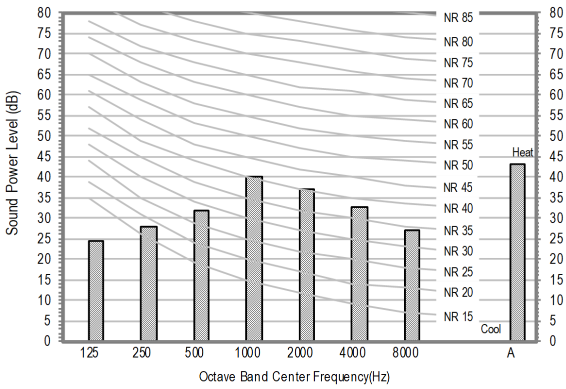
1) AE200TNWTEH/EU+AE044MXTPEH/EU



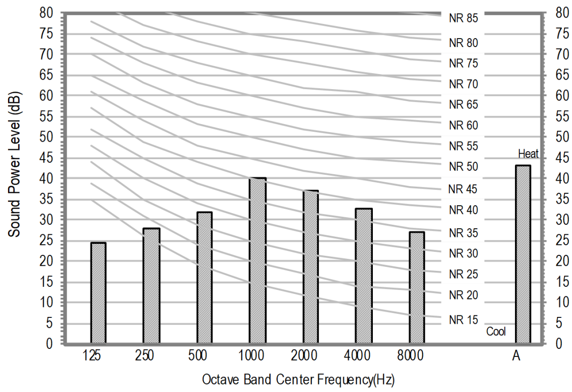
2) AE200TNWTEH/EU+AE066MXTPEH/EU



3) AE200TNWTEH/EU+AE090MXTPEH/EU



4) AE200TNWTEH/EU+AE090MXTPGH/EU



3. Hydro Units

3-4. Sound data

Sound Power level

NOTE

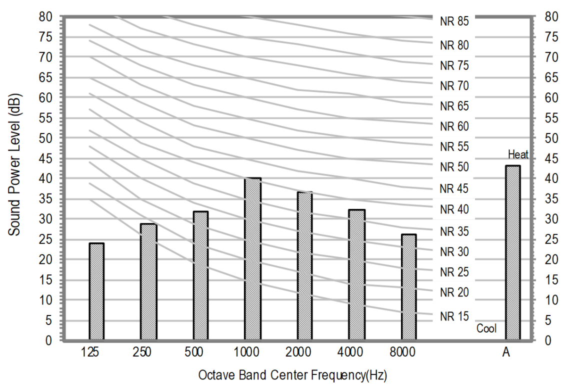
- Specifications may be subject to change without prior notice
  - Sound power level is an absolute value that a sound source generates.
  - dBA = A-weighted sound power level.
  - Reference power : 1pW.
  - Measured according to ISO 3741.

Unit: dB(A)

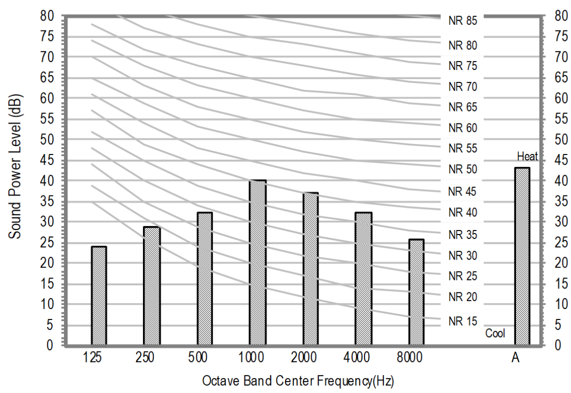
Model	Heating
AE260TNWTEH/EU+AE044MXTPEH/EU	43
AE260TNWTEH/EU+AE066MXTPEH/EU	43
AE260TNWTEH/EU+AE090MXTPEH/EU	43
AE260TNWTEH/EU+AE090MXTPGH/EU	43

- NR Curve

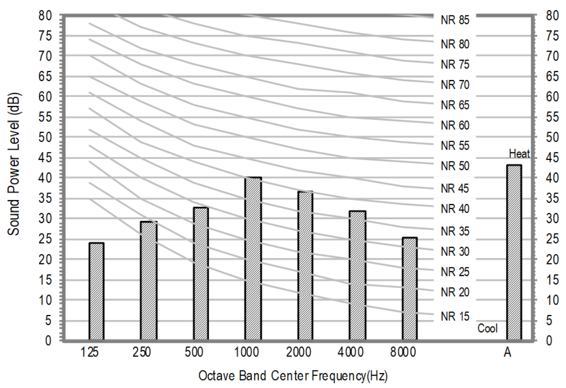
1) AE260TNWTEH/EU+AE044MXTPEH/EU



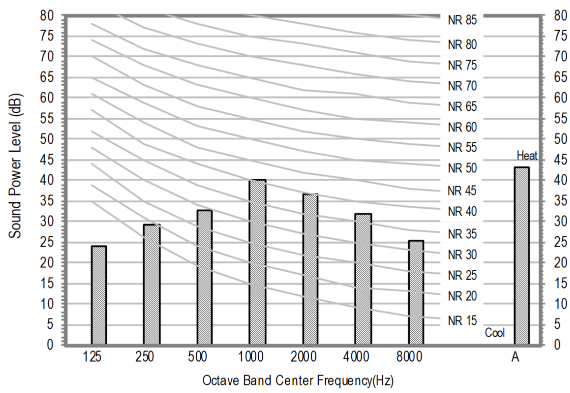
2) AE260TNWTEH/EU+AE066MXTPEH/EU



3) AE260TNWTEH/EU+AE090MXTPEH/EU



4) AE260TNWTEH/EU+AE090MXTPGH/EU



3. Hydro Units

3-4. Sound data

Sound Power level

NOTE

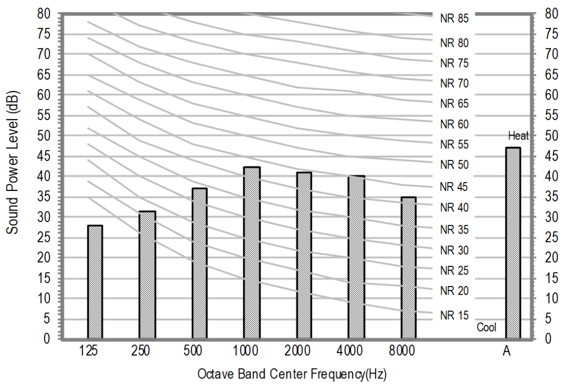
- Specifications may be subject to change without prior notice
  - Sound power level is an absolute value that a sound source generates.
  - dBA = A-weighted sound power level.
  - Reference power : 1pW.
  - Measured according to ISO 3741.

Unit: dB(A)

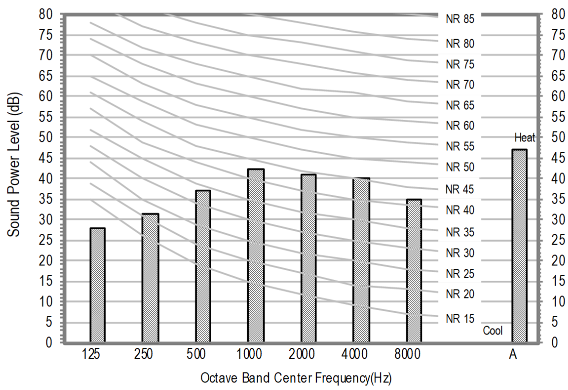
Model	Heating
AE260TNWTEH/EU+AE120MXTPEH/EU	47
AE260TNWTEH/EU+AE120MXTPGH/EU	47
AE260TNWTEH/EU+AE160MXTPEH/EU	47
AE260TNWTEH/EU+AE160MXTPGH/EU	47

- NR Curve

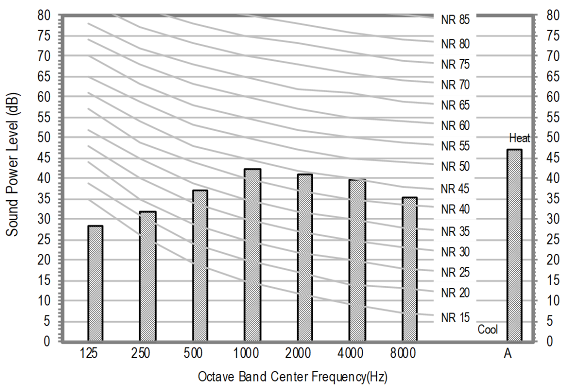
1) AE260TNWTEH/EU+AE120MXTPEH/EU



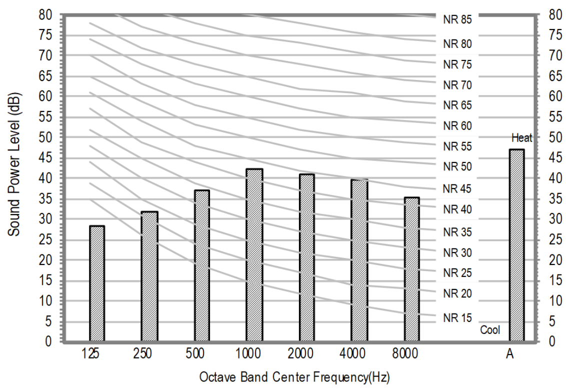
2) AE260TNWTEH/EU+AE120MXTPGH/EU



3) AE260TNWTEH/EU+AE160MXTPEH/EU

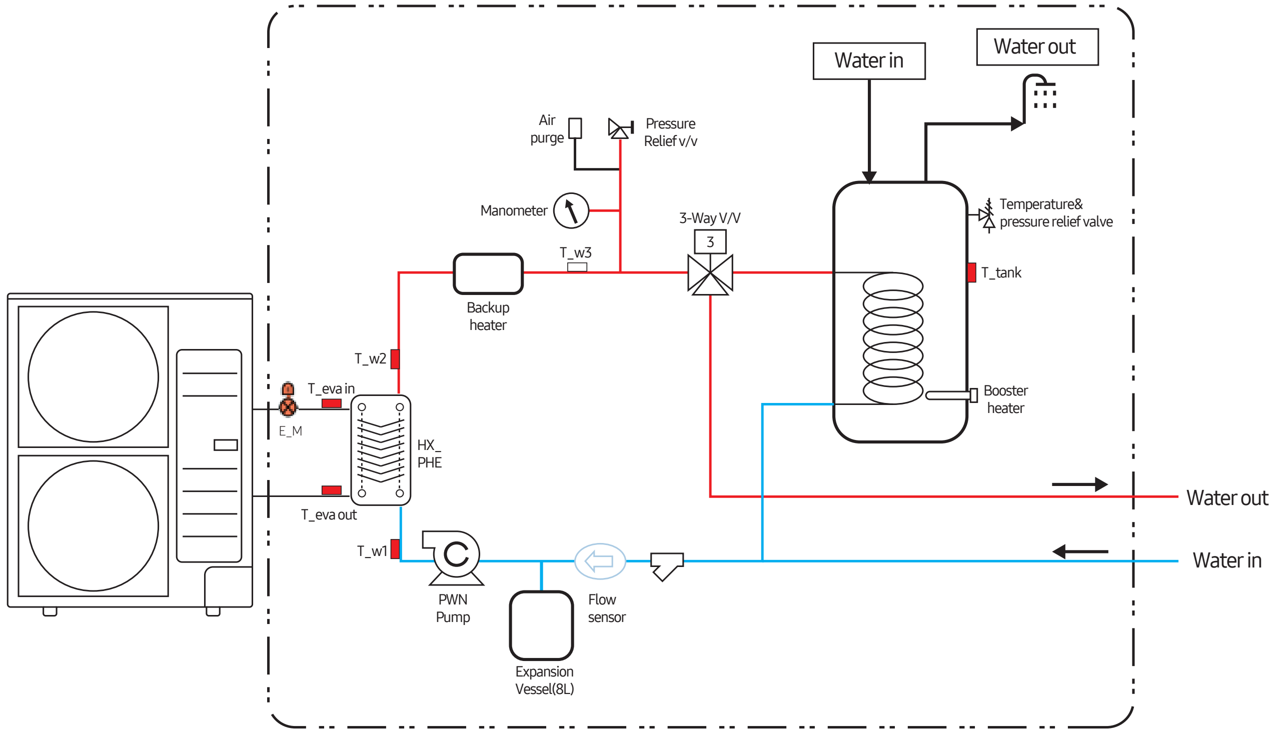


4) AE260TNWTEH/EU+AE160MXTPGH/EU



3-5. Piping diagram

AE200TNWTEH/EU, AE260TNWTEH/EU



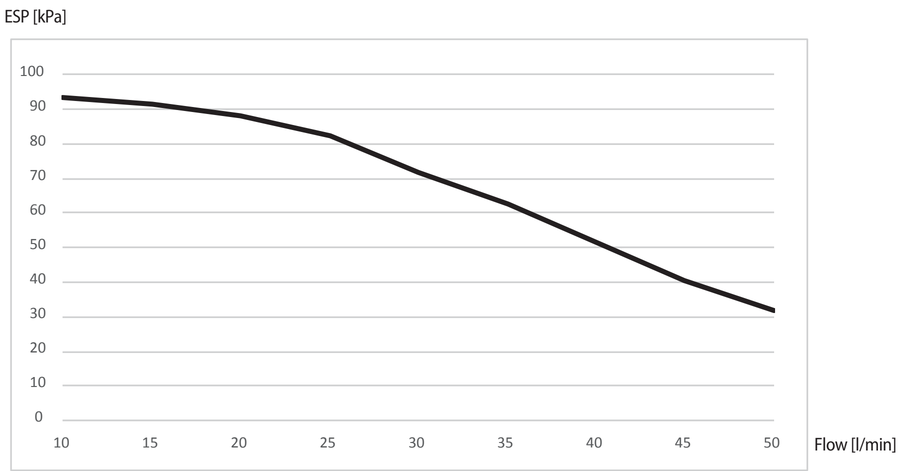
3-5. Hydraulic Performance

3-6-1. Water Pump

1) ESP(External Static Pressure) Diagram

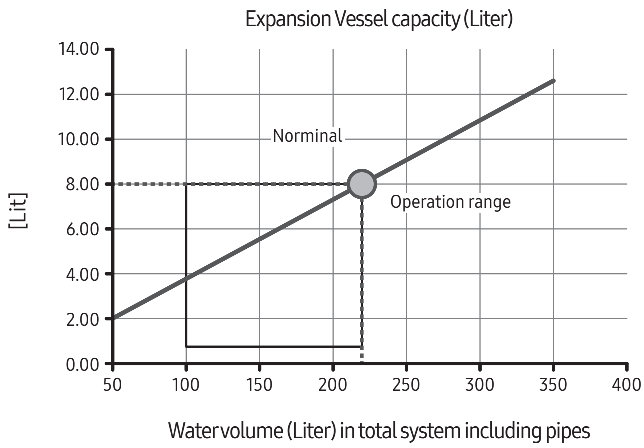
The illustration below shows the external static pressure of the unit depending on the water flow and the pump setting.

AE*TNWTEH**



3-6-2. Expansion Vessel

1) Setting the pre-pressure of the expansion vessel



When it is required to change the default pre-pressure of the expansion vessel(1 bar), keep in mind the following guidelines

- Use only dry nitrogen to set the expansion vessel pre-pressure.
- Inappropriate setting of the expansion vessel pre-pressure will lead to malfunction of the system. Therefore, the pre-pressure should only be adjusted by a licensed installer.

⚠ CAUTION

- Water volume of total system for reliable performance is minimum 50 liters.

4. Indoor Units

4-1. Specifications

Wind-Free RAC

				Wind-Free RAC	Wind-Free RAC	Wind-Free RAC
Type				Wind-Free RAC	Wind-Free RAC	Wind-Free RAC
Model Name				AE022TNXDEH/EU	AE028TNXDEH/EU	AE036TNXDEH/EU
Power Supply			Φ, #, V, Hz	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
Mode			-	HP/HR	HP/HR	HP/HR
Performance	Capacity	Cooling	kW	2.2	2.8	3.6
		Heating	kW	2.5	3.2	4.0
Power	Power Input	Cooling	W	24.0	30.0	37.0
		Heating		24.0	30.0	37.0
	Current Input	Cooling	A	0.16	0.20	0.25
		Heating		0.16	0.20	0.25
Fan	Type		-	Crossflow Fan	Crossflow Fan	Crossflow Fan
	Quantity		EA	1	1	1
	Air Flow Rate	High / Mid / Low	CMM	5.7/5.0/4.5	8.5/7.7/6.9	10.3/9.1/8.3
			l/s	95.0/83.3/75.0	141.7/128.3/115.0	171.7/151.7/138.3
	External Pressure	Min / Std / Max	mmAq	-	-	-
			Pa	-	-	-
Fan Motor	Type		-	BLDC	BLDC	BLDC
	Output x n		W	27 x 1	27 x 1	27 x 1
Piping Connections	Liquid Pipe		Type	Flare connection	Flare connection	Flare connection
			Φ, mm (inch)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)
	Gas Pipe		Type	Flare connection	Flare connection	Flare connection
			Φ, mm (inch)	12.7 (1/2)	12.7 (1/2)	12.7 (1/2)
	Drain Pipe		Φ,mm	ID 18 HOSE	ID 18 HOSE	ID 18 HOSE
Wiring connections	For power supply Below 20m/over 20m	Min.	mm²	1.5/2.5	1.5/2.5	1.5/2.5
	Communication	Min.	mm²	0.75	0.75	0.75
		Remark	-	F1, F2	F1, F2	F1, F2
Refrigerant	Type		-	R410A	R410A	R410A
	Control Method		-	EEV NOT INCLUDED	EEV NOT INCLUDED	EEV NOT INCLUDED
Sound	Sound Pressure	High/Mid/Low/WF	dB(A)	34/32/30/27	34/33/32/26	40/36/34/26
	Sound Power	Cooling		51	52	56
Dimensions	Net Weight		kg	8.5	9.0	9.0
	Shipping Weight		kg	9.9	10.4	10.4
	Net Dimensions (W×H×D)		mm	820 x 299 x 215	820 x 299 x 215	820 x 299 x 215
	Shipping Dimensions (W×H×D)		mm	880 x 290 x 375	880 x 290 x 375	880 x 290 x 375
Optional Accessories	Drain pump	Model	-	-	-	-
		Max. lifting Height /Displacement	mm / Liter/h	-	-	-
	Air Filter		-	-	-	-

NOTE

- Specification may be subject to change without prior notice.
  1) Capacities are based on (Equivalent refrigerant piping 7.5m, Level differences 0m);
     - Cooling : Indoor temperature 27°C DB, 19°C WB / Outdoor temperature 35°C DB, 24°C WB
     - Heating : Indoor temperature 20°C DB, 15°C WB / Outdoor temperature 7°C DB, 6°C WB
  2) Sound level was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.

4. Indoor Units

4-1. Specifications

Wind-Free RAC

Type				Wind-Free RAC	Wind-Free RAC
Model Name				AE056TNXDEH/EU	AE071TNXDEH/EU
Power Supply			Φ, #, V, Hz	1,2,220-240,50	1,2,220-240,50
Mode			-	HP/HR	HP/HR
Performance	Capacity	Cooling	kW	5.6	6.8
		Heating	kW	6.3	7.0
Power	Power Input	Cooling	W	52.0	60.0
		Heating		52.0	60.0
	Current Input	Cooling	A	0.35	0.40
		Heating		0.35	0.40
Fan	Type		-	Crossflow Fan	Crossflow Fan
	Quantity		EA	1	1
	Air Flow Rate	High / Mid / Low	CMM	15.7/13.8/12.0	16.8/15.0/13.2
			l/s	261.7/230.0/200.0	280.0/250.0/220.0
	External Pressure	Min / Std / Max	mmAq	-	-
			Pa	-	-
Fan Motor	Type		-	BLDC	BLDC
	Output x n		W	27 x 1	27 x 1
Piping Connections	Liquid Pipe		Type	Flare connection	Flare connection
			Φ, mm (inch)	6.35 (1/4)	9.52 (3/8)
	Gas Pipe		Type	Flare connection	Flare connection
			Φ, mm (inch)	12.7 (1/2)	15.88 (5/8)
	Drain Pipe		Φ,mm	ID 18 HOSE	ID 18 HOSE
Wiring connections	For power supply Below 20m/over 20m	Min.	mm²	1.5/2.5	1.5/2.5
	Communication	Min.	mm²	0.75	0.75
		Remark	-	F1, F2	F1, F2
Refrigerant	Type		-	R410A	R410A
	Control Method		-	EEV NOT INCLUDED	EEV NOT INCLUDED
Sound	Sound Pressure	High / Mid / Low	dB(A)	40/37/34/29	43/40/37/29
	Sound Power	Cooling		58	62
Dimensions	Net Weight		kg	11.5	11.5
	Shipping Weight		kg	13.4	13.4
	Net Dimensions (W×H×D)		mm	1,055 x 299 x 215	1,055 x 299 x 215
	Shipping Dimensions (W×H×D)		mm	1,115 x 290 x 375	1,115 x 290 x 375
Optional Accessories	Drain pump	Model	-	-	-
		Max. lifting Height /Displacement	mm / Liter/h	-	-
	Air Filter		-	-	-

NOTE

- Specification may be subject to change without prior notice.
  1) Capacities are based on (Equivalent refrigerant piping 7.5m, Level differences 0m);
     - Cooling : Indoor temperature 27°C DB, 19°C WB / Outdoor temperature 35°C DB, 24°C WB
     - Heating : Indoor temperature 20°C DB, 15°C WB / Outdoor temperature 7°C DB, 6°C WB
  2) Sound level was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.

4. Indoor Units

4-1. Specifications

Duct (Slim)

Type				Slim Duct	Slim Duct	Slim Duct	Slim Duct
Model Name				AE022MNLDEH/EU	AE028MNLDEH/EU	AE036MNLDEH/EU	AE056MNLDEH/EU
Power Supply			Φ, #, V, Hz	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
Mode			-	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP
Performance	Capacity	Cooling	Kw	2.2	2.8	3.6	5.6
		Heating	kW	2.5	3.2	4.0	6.3
Power	Power Input	Cooling	W	55	60	65	95
		Heating		55	60	65	95
	Current Input	Cooling	A	0.30	0.32	0.33	0.53
		Heating		0.30	0.32	0.33	0.53
Fan	Type		-	Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan
	Quantity		EA	2	2	2	2
	Air Flow Rate	H/M/L (UL)	m³/min	7.0 / 6.1 / 5.3	7.5 / 6.6 / 5.6	7.5 / 6.6 / 5.6	12.0 / 10.5 / 9.0
	External Pressure	Max. (Min/Std/Max)	mmAq	0/1/3	0/1/3	0/1/3	0/2/4
			Pa	0/9.8/29.4	0/9.8/29.4	0/9.8/29.4	0/19.6/39.2
Fan Motor	Type		-	SSR non-feedback	SSR non-feedback	SSR non-feedback	SSR non-feedback
	Output x n		W	28x1	28x1	28x1	50x1
Piping Connections	Liquid Pipe		Type	Flare connection	Flare connection	Flare connection	Flare connection
			Φ, mm (inch)	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")
	Gas Pipe		Type	Flare connection	Flare connection	Flare connection	Flare connection
			Φ, mm (inch)	12.7 (1/2")	12.7 (1/2")	12.7 (1/2")	12.7 (1/2")
	Drain Pipe		Φ, mm	OD 25, ID 20	OD 25, ID 20	OD 25, ID 20	OD 25, ID 20
Wiring connections	For power supply Below 20m/ over 20m	Min.	mm²	1.5/2.5	1.5/2.5	1.5/2.5	1.5/2.5
	Communication	Min.	mm²	0.75	0.75	0.75	0.75
		Remark	-	F1, F2	F1, F2	F1, F2	F1, F2
Refrigerant	Type		-	R410A	R410A	R410A	R410A
	Control Method		-	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED
Sound	Sound Pressure	H/M/L	dB(A)	26 / 24 / 21	28 / 26 / 23	32 / 30 / 27	36 / 34 / 31
	Sound Power			49	49	51	55
Dimensions	Net Weight		kg	19.0	19.0	19.5	24.5
	Shipping Weight		kg	23.0	23.0	23.5	28.5
	Net Dimensions (W×H×D)		mm	700 x 199 x 600	700 x 199 x 600	700 x 199 x 600	900x199x600
	Shipping Dimensions (W×H×D)		mm	950 x 270 x 710	950 x 270 x 710	950 x 270 x 710	1,150x280x710
Optional Accessories	Drain pump	Model	-	MDP-E075SEE3D (built-in)	MDP-E075SEE3D (built-in)	MDP-E075SEE3D (built-in)	MDP-E075SEE3D (built-in)
		Option	-	Option	Option	Option	Option
		Max. lifting Height / Displacement	mm / Liter/h	750 / 24	750 / 24	750 / 24	750 / 24
	Virus Doctor		-	-	-	-	-

NOTE

- Specification may be subject to change without prior notice.
  1) Capacities are based on (Equivalent refrigerant piping 7.5m, Level differences 0m);
     - Cooling : Indoor temperature 27°C DB, 19°C WB / Outdoor temperature 35°C DB, 24°C WB
     - Heating : Indoor temperature 20°C DB, 15°C WB / Outdoor temperature 7°C DB, 6°C WB
  2) Sound level was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.

4. Indoor Units

4-1. Specifications

Duct (MSP)

Type				MSP Duct	MSP Duct
Model Name				AE071MNMPEH/EU	AE090MNMPEH/EU
Power Supply			Φ, #, V, Hz	1,2,220-240,50	1,2,220-240,50
Mode			-	HEAT PUMP	HEAT PUMP
Performance	Capacity	Cooling	Kw	7.1	9.0
		Heating	kW	8.0	10.0
Power	Power Input	Cooling	W	120	145
		Heating		120	145
	Current Input	Cooling	A	1.00	1.20
		Heating		1.00	1.20
Fan	Type		-	Sirocco Fan	Sirocco Fan
	Quantity		EA	2	2
	Air Flow Rate	H/M/L (UL)	m³/min	22/19/16	29/25/22
	External Pressure	Max. (Min/Std/Max)	mmAq	0/3/15	0/4/15
			Pa	0/29.4/147.2	0/39.2/147.2
Fan Motor	Type		-	BLDC feedback	BLDC feedback
	Output x n		W	153x1	153x1
Piping Connections	Liquid Pipe		Type	Flare connection	Flare connection
			Φ, mm (inch)	9.52 (3/8")	9.52 (3/8")
	Gas Pipe		Type	Flare connection	Flare connection
			Φ, mm (inch)	15.88 (5/8")	15.88 (5/8")
	Drain Pipe		Φ, mm	OD 25, ID 20	OD 25, ID 20
Wiring connections	For power supply Below 20m/over 20m	Min.	mm²	1.5/2.5	1.5/2.5
	Communication	Min.	mm²	0.75	0.75
		Remark	-	F1, F2	F1, F2
Refrigerant	Type		-	R410A	R410A
	Control Method		-	EEV INCLUDED	EEV INCLUDED
Sound	Sound Pressure	H/M/L	dB(A)	37 / 33 / 29	38 / 35 / 32
	Sound Power			57	58
Dimensions	Net Weight		kg	25.5	33.0
	Shipping Weight		kg	30	38.5
	Net Dimensions (W×H×D)		mm	850x250x700	1,200x250x700
	Shipping Dimensions (W×H×D)		mm	1,064x320x784	1,429x320x779
Optional Accessories	Drain pump	Model	-	MDP-G075SQ(built-in) MDP-G075SP(external)	MDP-G075SQ(built-in) MDP-G075SP(external)
		Option	-	Option	Option
		Max. lifting Height / Displacement	mm / Liter/h	750 / 24	750 / 24
	Virus Doctor		-	-	-

NOTE

- Specification may be subject to change without prior notice.
  1) Capacities are based on (Equivalent refrigerant piping 7.5m, Level differences 0m);
     - Cooling : Indoor temperature 27°C DB, 19°C WB / Outdoor temperature 35°C DB, 24°C WB
     - Heating : Indoor temperature 20°C DB, 15°C WB / Outdoor temperature 7°C DB, 6°C WB
  2) Sound level was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.

4. Indoor Units

4-1. Specifications

Console

Type				CONSOLE	CONSOLE	CONSOLE	CONSOLE
Model Name				AE022MNJDEH/EU	AE028MNJDEH/ EU	AE036MNJDEH/ EU	AE056MNJDEH/ EU
Power Supply			Φ, #, V, Hz	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
Mode			-	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP
Performance	Capacity	Cooling	Kw	2.2	2.8	3.6	5.6
		Heating	kW	2.5	3.2	4.0	6.3
Power	Power Input	Cooling	W	16	30	35	62
		Heating		16	30	35	62
	Current Input	Cooling	A	0.13	0.25	0.29	0.49
		Heating		0.13	0.25	0.29	0.49
Fan	Type		-	Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan
	Quantity		EA	1	1	1	1
	Air Flow Rate	H/M/L (UL)	m³/min	6.3/5.4/4.9	7.0/6.0/5.0	8.50/7.50/6.50	13.0/11.5/10.0
	External Pressure	Max. (Min/Std/Max)	mmAq	-	-	-	-
			Pa	-	-	-	-
Fan Motor	Type		-	BLDC feedback	BLDC feedback	BLDC feedback	BLDC feedback
	Output x n		W	37 x 1	37 x 1	37 x 1	37 x 1
Piping Connections	Liquid Pipe		Type	Flare connection	Flare connection	Flare connection	Flare connection
			Φ, mm (inch)	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")
	Gas Pipe		Type	Flare connection	Flare connection	Flare connection	Flare connection
			Φ, mm (inch)	12.7 (1/2")	12.7 (1/2")	12.7 (1/2")	12.7 (1/2")
	Drain Pipe		Φ, mm	ID18mm Hose	ID18mm Hose	ID18mm Hose	ID18mm Hose
Wiring connections	For power supply Below 20m/ over 20m	Min.	mm²	1.5/2.5	1.5/2.5	1.5/2.5	1.5/2.5
	Communication	Min.	mm²	0.75	0.75	0.75	0.75
		Remark	-	F1, F2	F1, F2	F1, F2	F1, F2
Refrigerant	Type		-	R410A	R410A	R410A	R410A
	Control Method		-	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED
Sound	Sound Pressure	H/M/L	dB(A)	34 / 32 / 30	38 / 36 / 34	39 / 37 / 34	43 / 40 / 37
	Sound Power			52	58	59	64
Dimensions	Net Weight		kg	15.5	16.0	16.0	16.0
	Shipping Weight		kg	20.5	21.0	21.0	21.0
	Net Dimensions (W×H×D)		mm	720x620x199	720x620x199	720x620x199	720x620x199
	Shipping Dimensions (W×H×D)		mm	810x710x295	810x710x295	810x710x295	810x710x295
Optional Accessories	Drain pump	Model	-	-	-	-	-
		Option	-	-	-	-	-
		Max. lifting Height / Displacement	mm / Liter/h	-	-	-	-
	Virus Doctor		-	Included	Included	Included	Included

NOTE

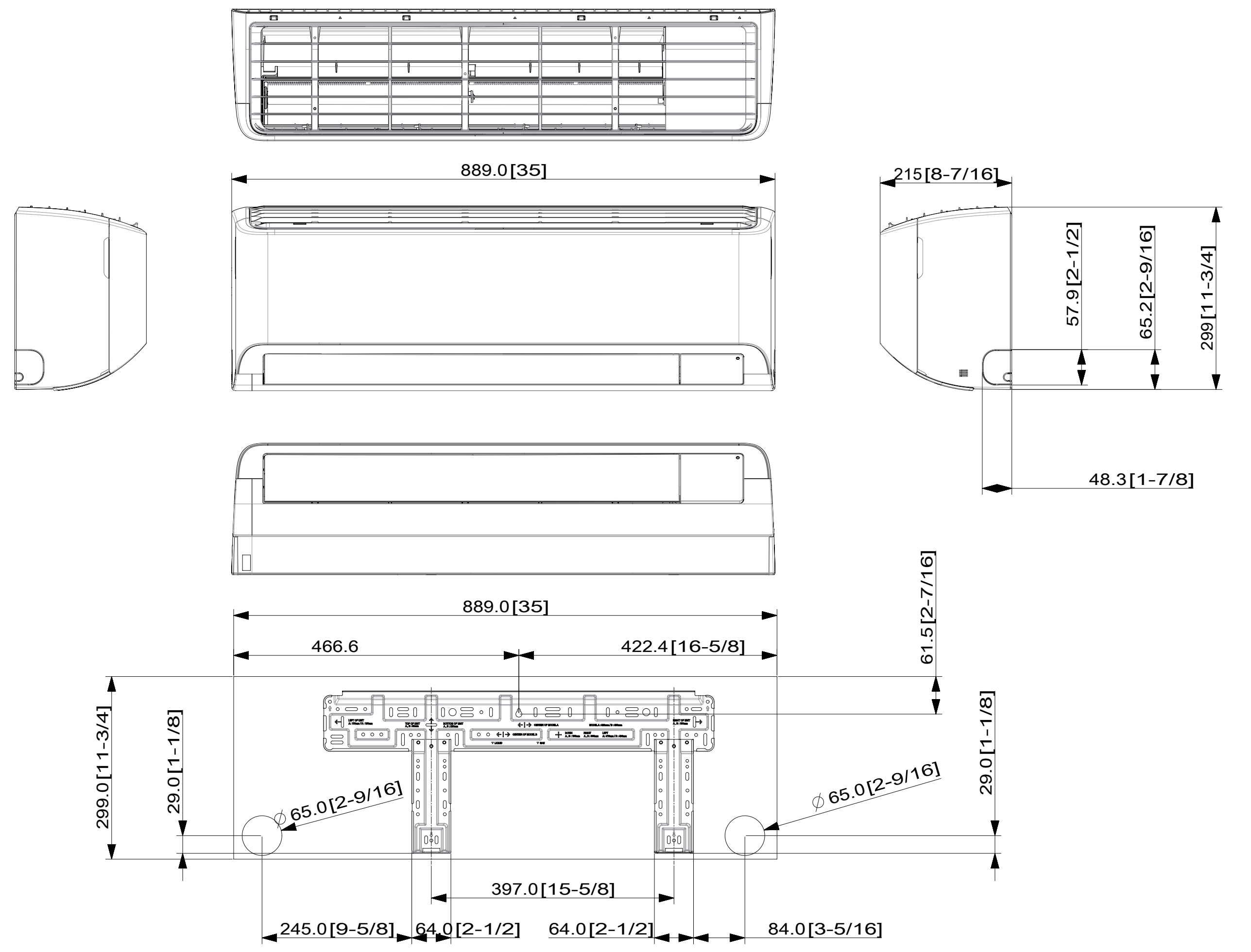
- Specification may be subject to change without prior notice.
  1) Capacities are based on (Equivalent refrigerant piping 7.5m, Level differences 0m);
     - Cooling : Indoor temperature 27°C DB, 19°C WB / Outdoor temperature 35°C DB, 24°C WB
     - Heating : Indoor temperature 20°C DB, 15°C WB / Outdoor temperature 7°C DB, 6°C WB
  2) Sound level was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.

4. Indoor Units

4-2. Dimensional drawing

Wind-Free RAC : AE022/028/036TNXDEH✻✻

Unit: mm (inches)

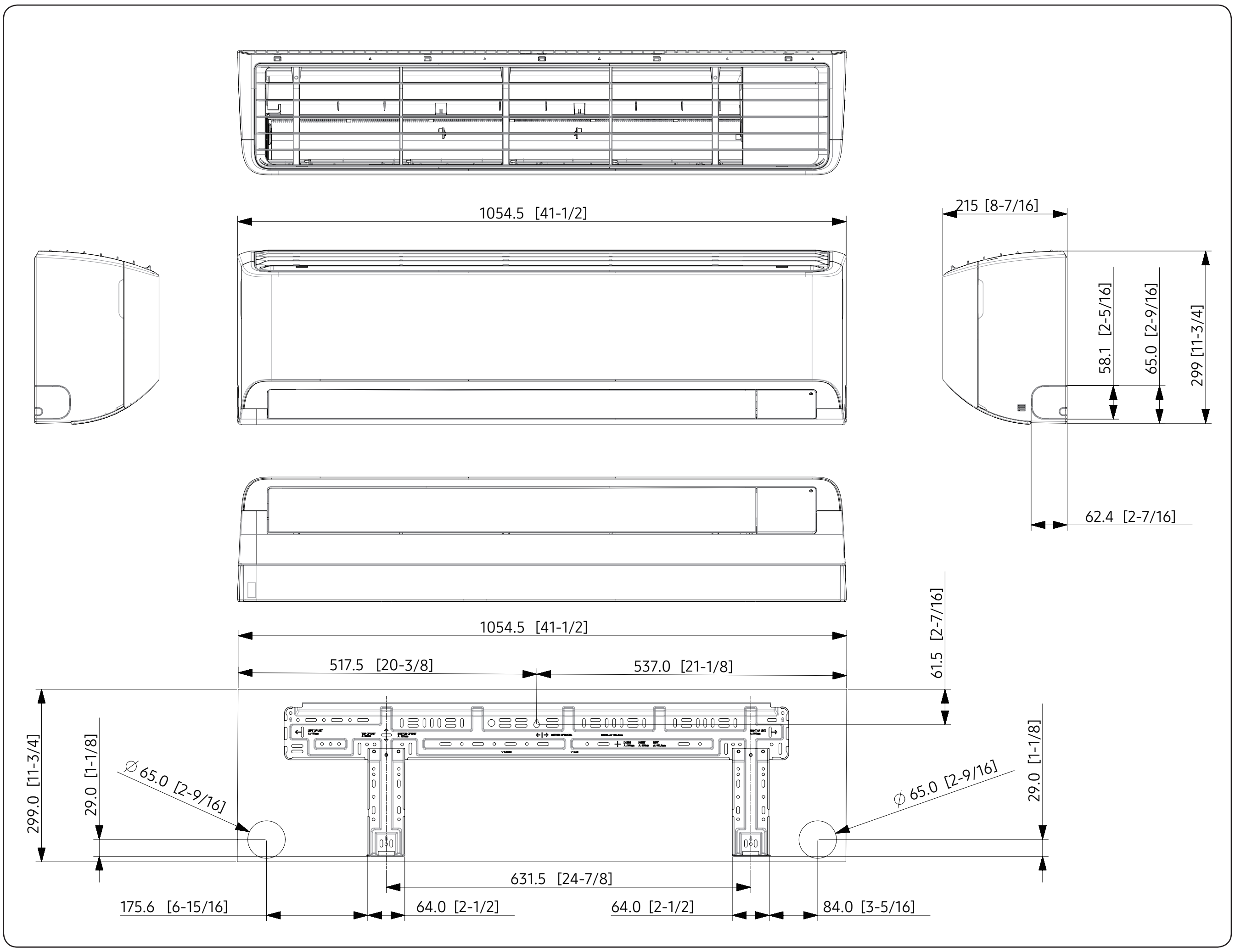


4. Indoor Units

4-2. Dimensional drawing

Wind-Free RAC : AE056/071TNXDEH✕✕

Unit: mm (inches)

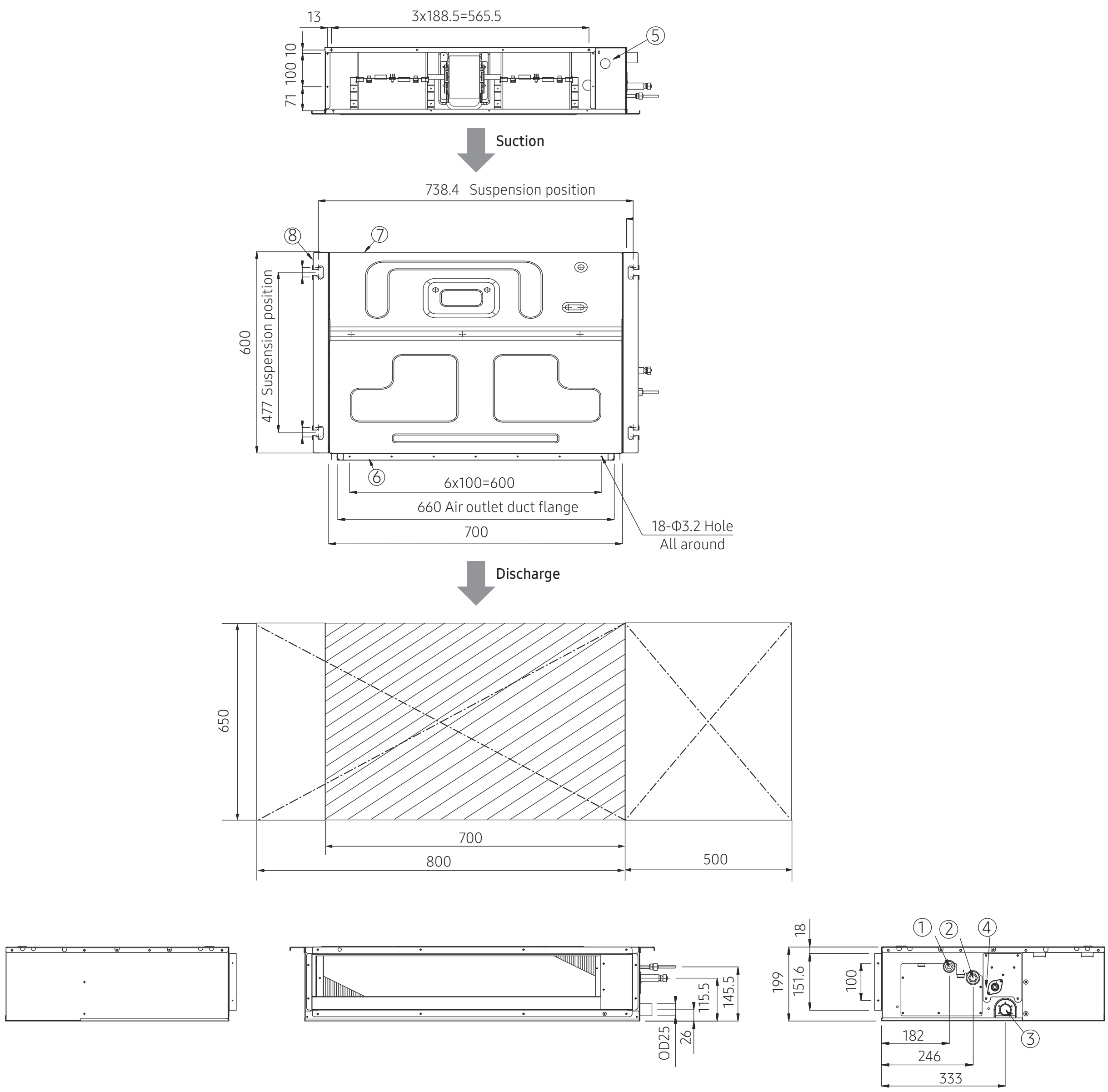


4. Indoor Units

4-2. Dimensional drawing

Slim Duct : AE022/028/036MNLDEH✻✻

Unit : mm



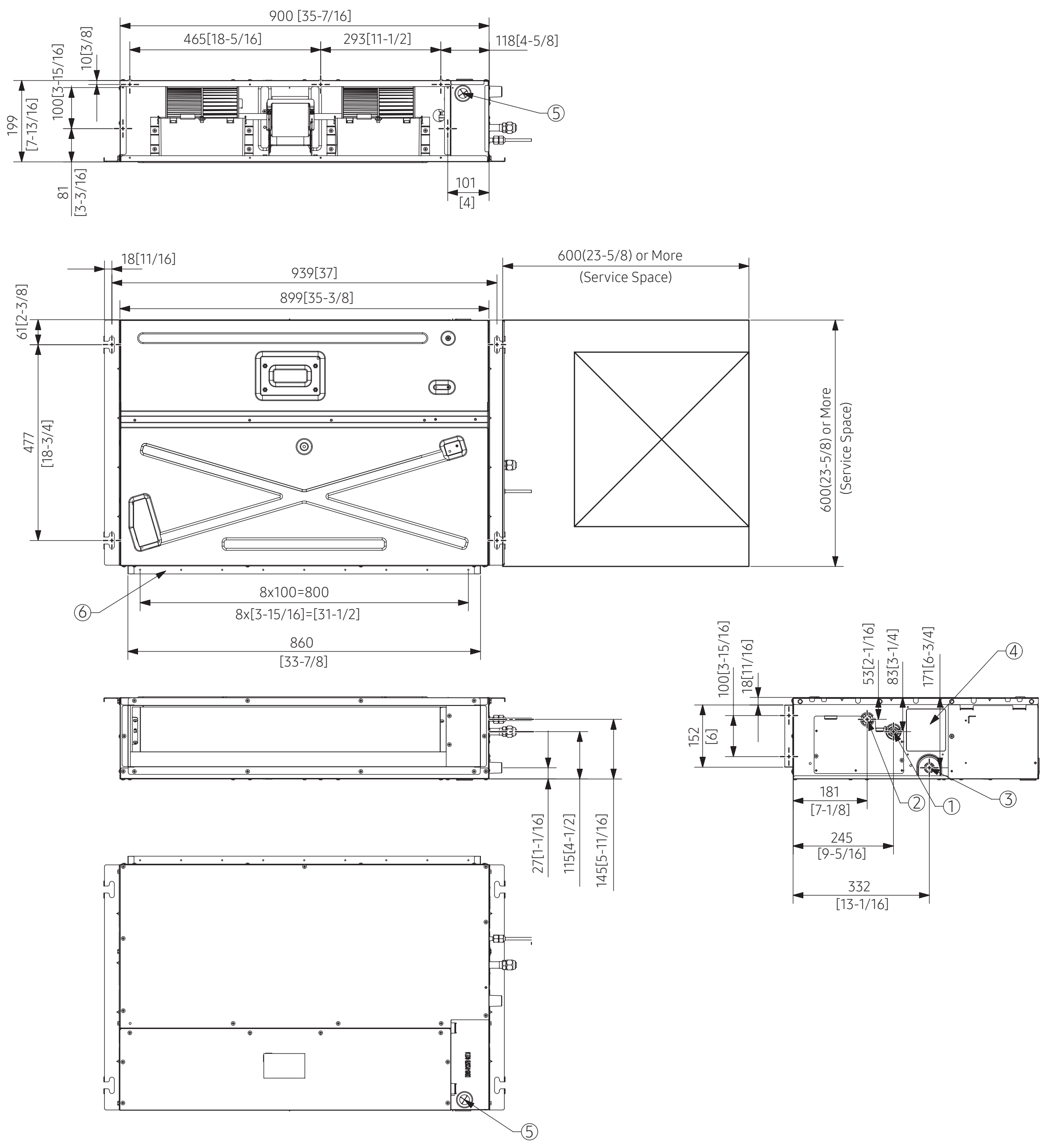
NO	Name	Description
1	Liquid pipe connection	Φ6.35(1/4")
2	Gas pipe connection	Φ12.70(1/2")
3	Drain pipe connection without drain pump	OD 25, ID 20
4	Drain pipe connection with drain pump	OD 25, ID 20
5	Power supply/Communication connection	-
6	Air discharge grille flange	-
7	Return air side	-
8	Hook	Φ9.52 or M10

4. Indoor Units

4-2. Dimensional drawing

Slim Duct : AE056MNLDEH✱✱

Unit : mm



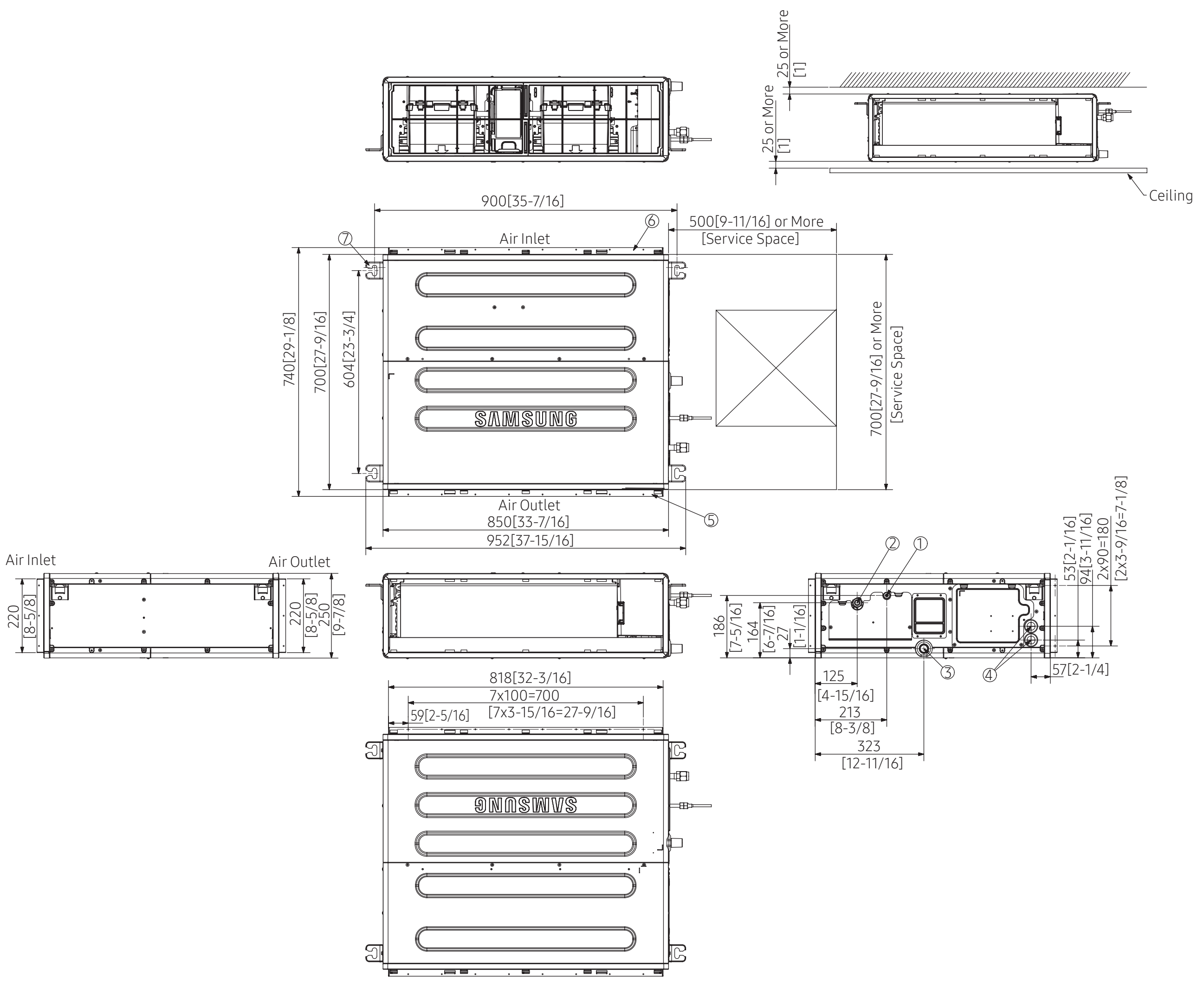
NO	Name	Description
1	Gas pipe connection	Φ12.7(1/2)
2	Liquid pipe connection	Φ6.35(1/4)
3	Drain pipe connection	OD 25, ID 20
4	Knockout hole for Drain pump	Option kit
5	Conduit for power supply & Communication wiring	-
6	Air outlet duct flange	-

4. Indoor Units

4-2. Dimensional drawing

MSP Duct : AE071MNMPEH/EU

Units : mm [inches]



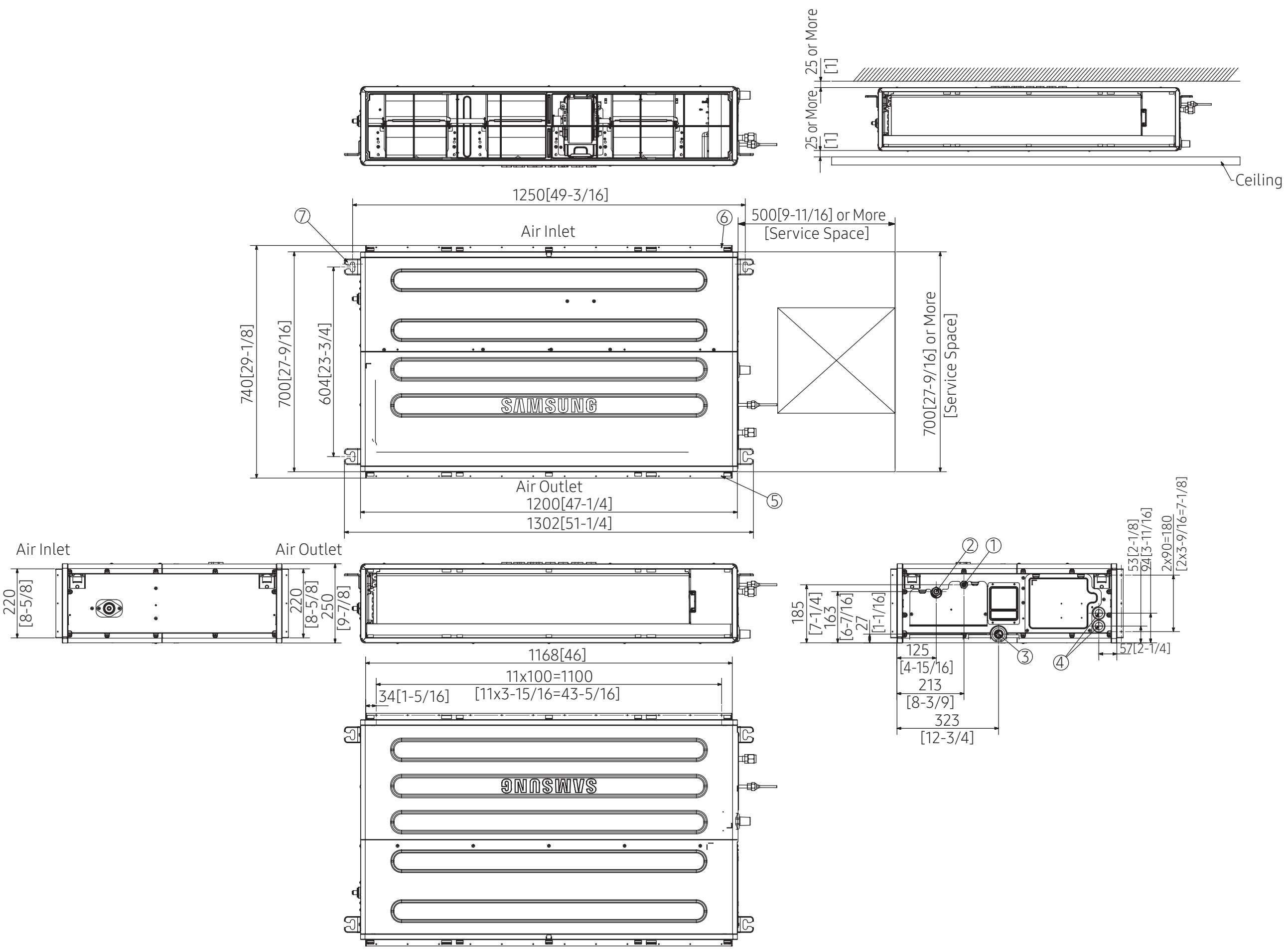
NO	Name	Description
1	Liquid pipe connection	Φ9.52(3/8)
2	Gas pipe connection	Φ15.88(5/8)
3	Drain pipe connection	OD 25, ID 20
4	Power supply & Communication wiring conduit	-
5	Air suction flange	-
6	Air discharge flange	-
7	Hook	Use M8~M10 bolt(4ea)

4. Indoor Units

4-2. Dimensional drawing

MSP Duct : AE090MNMPEH✱✱

Units : mm [inches]



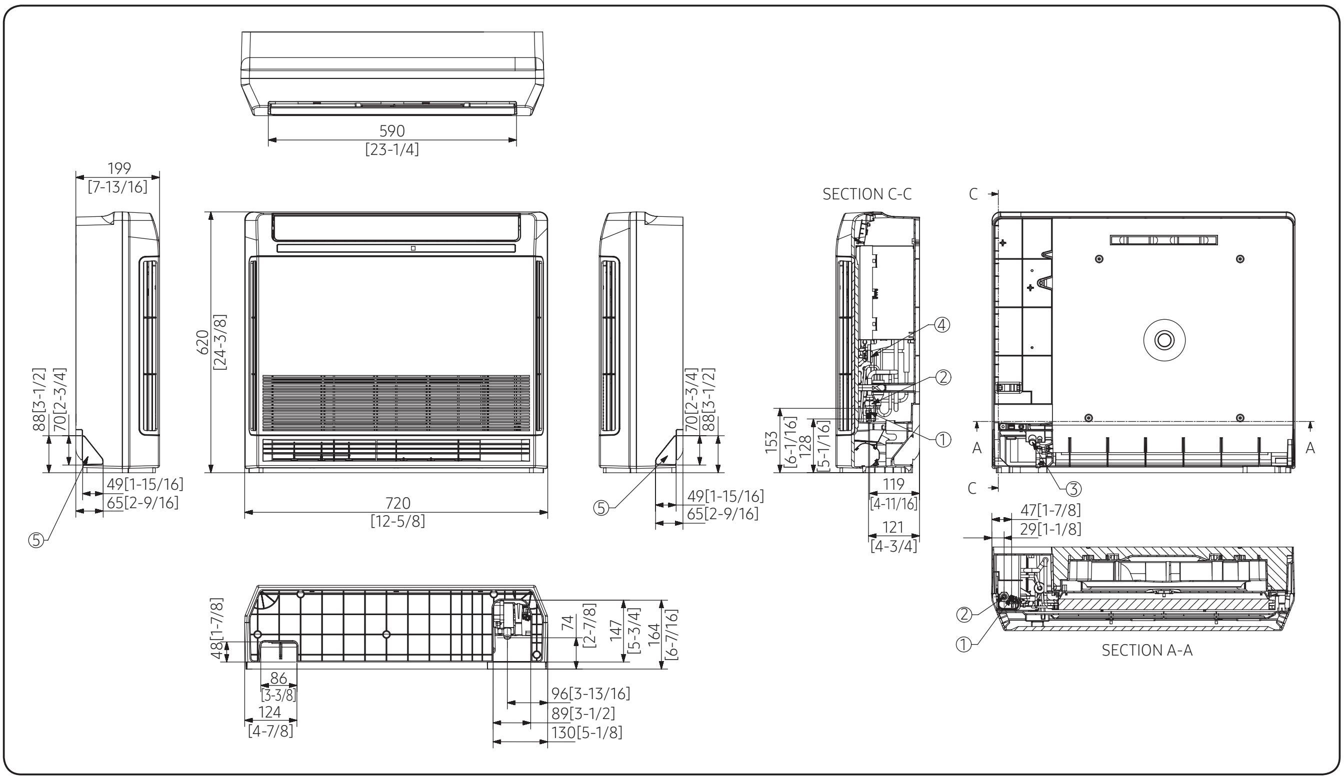
NO	Name	Description
1	Liquid pipe connection	Φ9.52(3/8)
2	Gas pipe connection	Φ15.88(5/8)
3	Drain pipe connection	OD 25, ID 20
4	Power supply & Communication wiring conduit	-
5	Air suction flange	-
6	Air discharge flange	-
7	Hook	Use M8~M10 bolt(4ea)

4. Indoor Units

4-2. Dimensional drawing

Console : AE022/028/036/056MNJDEH/EU

Units : mm [inches]

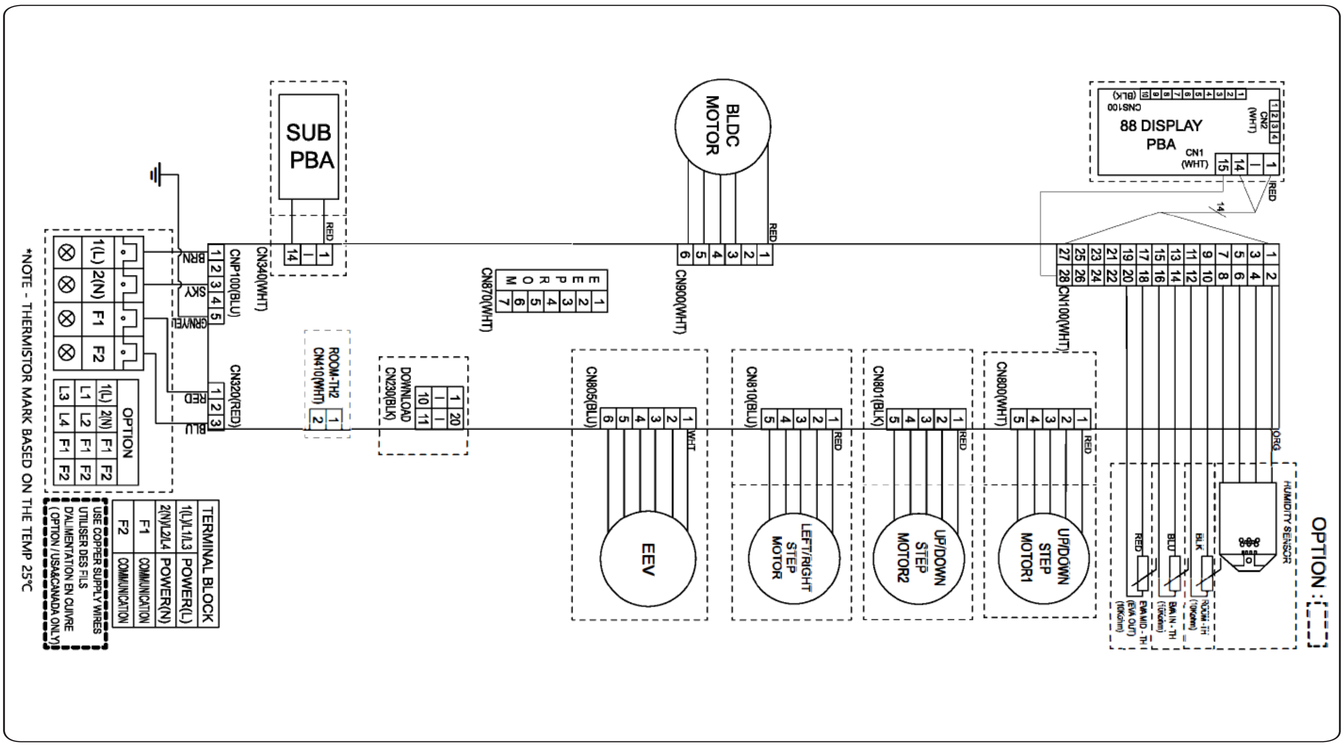


NO	Name	Description
1	Liquid pipe connection	Φ6.35(1/4)
2	Gas pipe connection	Φ12.7(1/2)
3	Drain pipe connection	ID 18mm[11/16 inch] Hose
4	Power supply & Communication wiring conduit	-
5	Knockout hole for drain hose	-

4. Indoor Units

4-3. Electrical wiring diagram

Wind-Free RAC



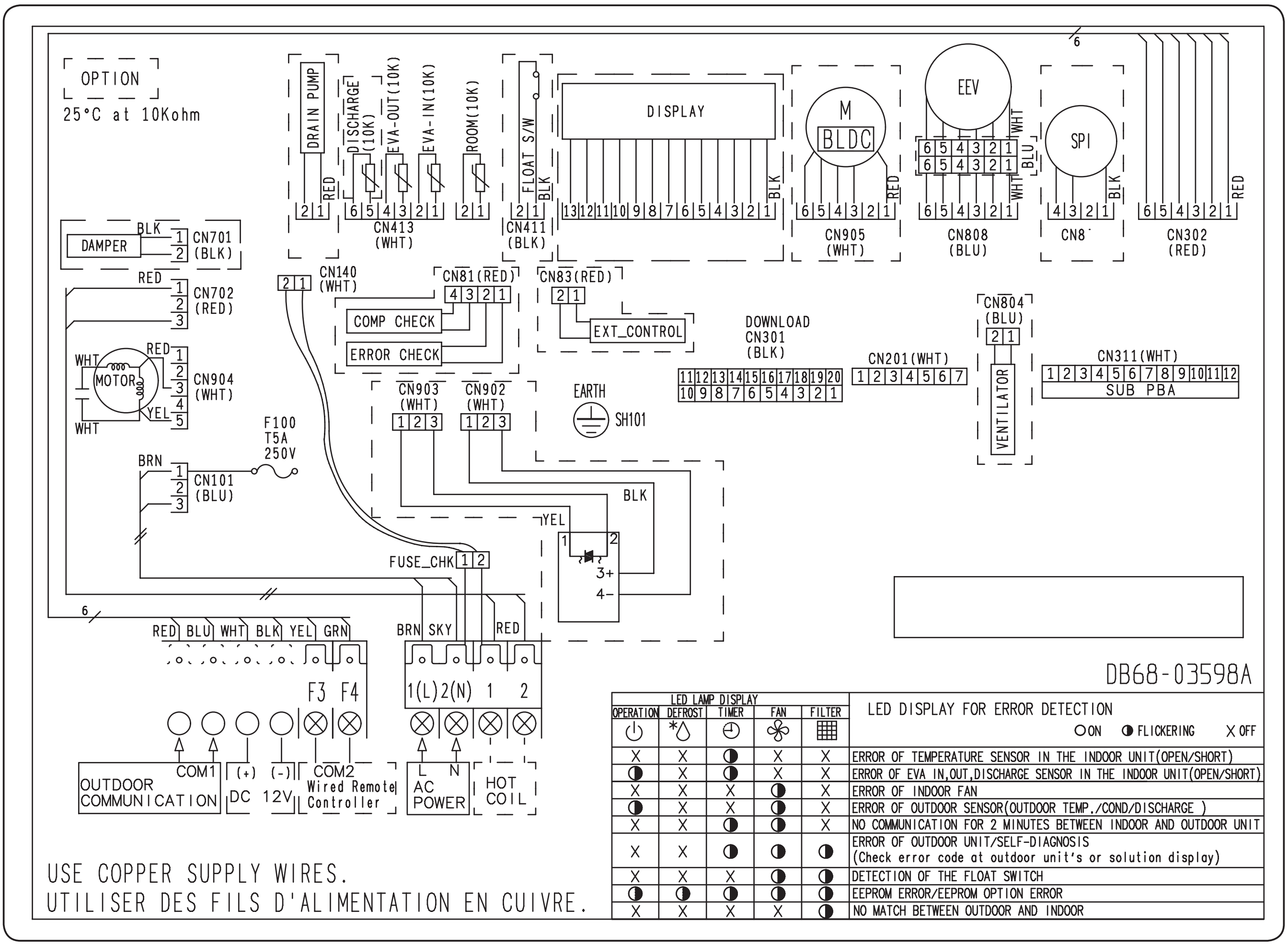
BLDC MOTOR	BLDC FAN MOTOR	ROOM-TH	Thermistor ROOM(10K)
EVA IN-TH	Thermistor EVA IN(10K)	EVA MID-TH	Thermistor EVA MID(10K)

NOTES

1. This wiring diagram applies only to the Indoor unit.
2. Symbols show as follow :
   blk: black, red: red, blu: blue, wht: white, yel: yellow, brn: brown, sky: skyblue, grn: green
3. For connection wiring indoor-outdoor transmission F1-F2, indoor-wired remote controller transmission F3-F4.
4. ⏚ Protective earth(SCREW)

4-3. Electrical wiring diagram

Duct (Slim)



M BLDC	BLDC FAN MOTOR	SPI	Super Plasma Ion
EVA-IN	Thermistor EVA-IN(10K)	EVA-OUT	Thermistor EVA-OUT(10K)
DISCHARGE	Thermistor DISCHARGE(10K)	ROOM	Thermistor ROOM(10K)
FLOAT S/W	FLOAT SWITCH	EXT CONTROL	External Controller

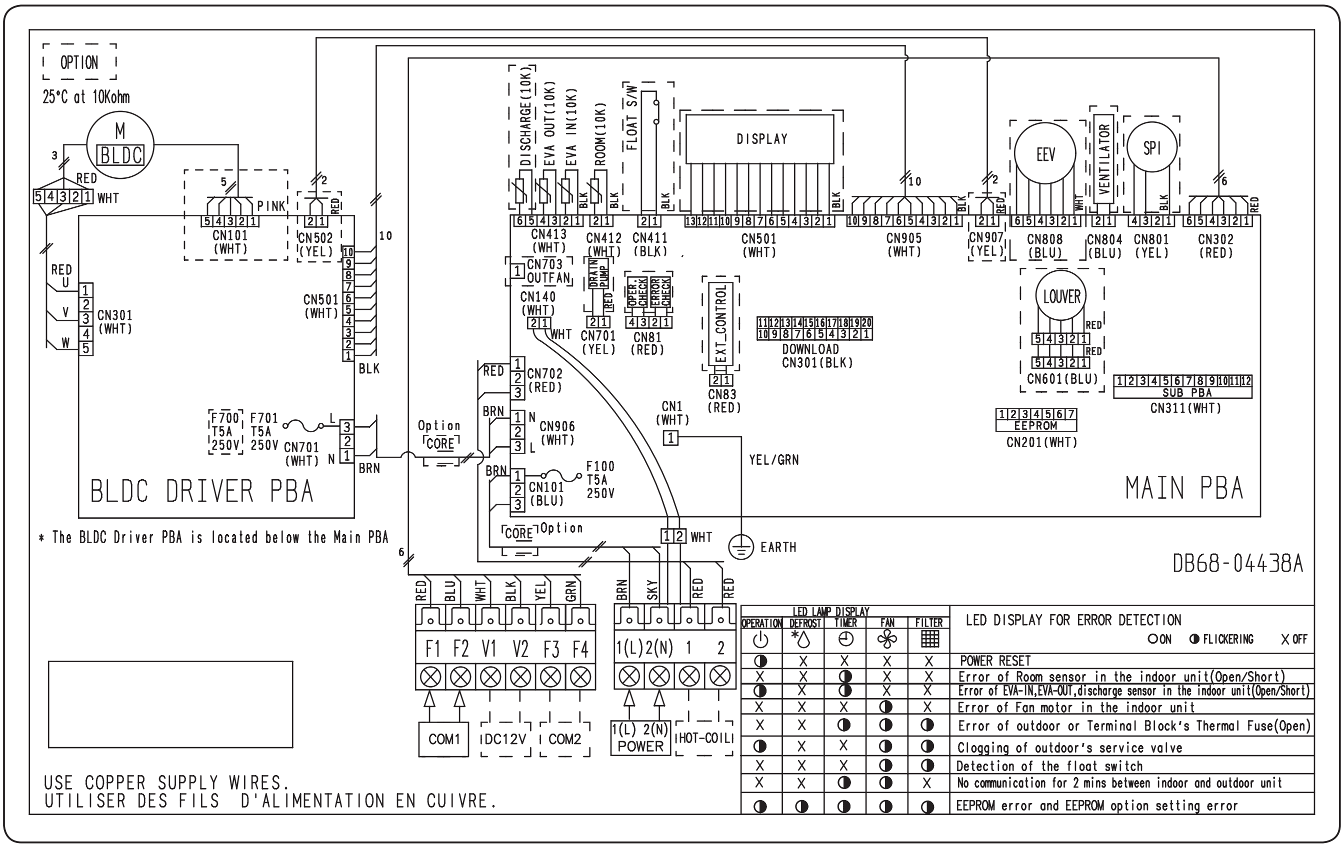
NOTES

1. This wiring diagram applies only to the Indoor unit.
2. Symbols show as follow :
   blk: black, red: red, blu: blue, wht: white, yel: yellow, brn: brown, sky: skyblue, grn: green
3. For connection wiring indoor-outdoor transmission F1-F2, indoor-wired remote controller transmission F3-F4.
4. ⏚ Protective earth(SCREW)

4. Indoor Units

4-3. Electrical wiring diagram

Duct (MSP)



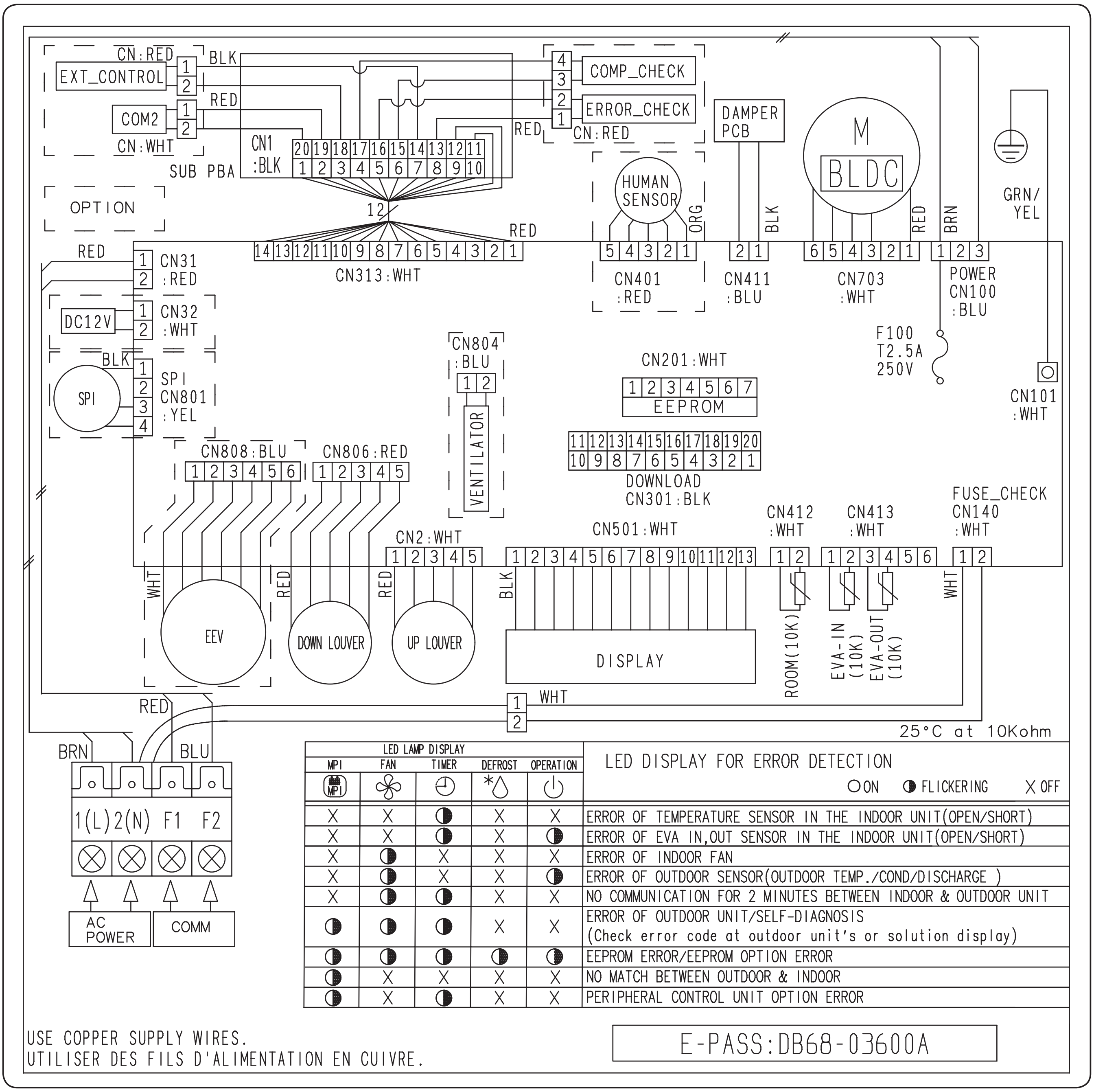
M BLDC	BLDC FAN MOTOR	**SPI**	Super Plasma Ion
EVA-IN	Thermistor EVA-IN(10K)	**EVA-OUT**	Thermistor EVA-OUT(10K)
DISCHARGE	Thermistor DISCHARGE(10K)	**ROOM**	Thermistor ROOM(10K)
FLOAT S/W	FLOAT SWITCH	**EXT CONTROL**	External Controller

NOTES

1. This wiring diagram applies only to the Indoor unit.
2. Symbols show as follow :
   blk: black, red: red, blu: blue, wht: white, yel: yellow, brn: brown, sky: skyblue, grn: green
3. For connection wiring indoor-outdoor transmission F1-F2, indoor-wired remote controller transmission F3-F4.
4. ⏚ Protective earth(SCREW)

4-3. Electrical wiring diagram

Console



LED LAMP DISPLAY MPI	FAN	TIMER	DEFROST	OPERATION	LED DISPLAY FOR ERROR DETECTION (○ON ◑ FLICKERING X OFF)
X	X	◑	X	X	ERROR OF TEMPERATURE SENSOR IN THE INDOOR UNIT(OPEN/SHORT)
X	X	◑	X	◑	ERROR OF EVA IN,OUT SENSOR IN THE INDOOR UNIT(OPEN/SHORT)
X	◑	X	X	X	ERROR OF INDOOR FAN
X	◑	X	X	◑	ERROR OF OUTDOOR SENSOR(OUTDOOR TEMP./COND/DISCHARGE)
X	◑	◑	X	X	NO COMMUNICATION FOR 2 MINUTES BETWEEN INDOOR & OUTDOOR UNIT
◑	◑	◑	X	X	ERROR OF OUTDOOR UNIT/SELF-DIAGNOSIS (Check error code at outdoor unit's or solution display)
◑	◑	◑	◑	◑	EEPROM ERROR/EEPROM OPTION ERROR
◑	X	X	X	X	NO MATCH BETWEEN OUTDOOR & INDOOR
◑	X	◑	X	X	PERIPHERAL CONTROL UNIT OPTION ERROR

M BLDC	BLDC FAN MOTOR	**SPI**	Super Plasma Ion
EVA-IN	Thermistor EVA-IN(10K)	**EVA-OUT**	Thermistor EVA-OUT(10K)
ROOM	Thermistor ROOM(10K)	**EXT CONTROL**	External Controller

NOTES

1. This wiring diagram applies only to the Indoor unit.
2. Symbols show as follow :
   blk: black, red: red, blu: blue, wht: white, yel: yellow, brn: brown, sky: skyblue, grn: green
3. For connection wiring indoor-outdoor transmission F1-F2, indoor-wired remote controller transmission F3-F4.
4. ⏚ Protective earth(SCREW)

4. Indoor Units

4-4. Sound data

Summary

Indoor	Capacity (kW)	Model	Sound Pressure dB(A) (H/L/M(/WF))	Sound Power dB(A)
Slim Duct	2.2	AE022MNLDEH/EU	26 / 24 / 21	49
	2.8	AE028MNLDEH/EU	28 / 26 / 23	49
	3.6	AE036MNLDEH/EU	32 / 30 / 27	51
	5.6	AE056MNLDEH/EU	36 / 34 / 31	55
MSP Duct	7.1	AE071HNMPKH/EU	37 / 33 / 29	57
	9.0	AE090HNMPKH/EU	38 / 35 / 32	58
Wind-Free RAC	2.2	AE022TNXDEH/EU	34 / 32 / 30 / 27	51
	2.8	AE028TNXDEH/EU	34 / 33 / 32 / 26	52
	3.6	AE036TNXDEH/EU	40 / 36 / 34 / 26	56
	5.6	AE056TNXDEH/EU	40 / 37 / 34 / 29	58
	7.1	AE071TNXDEH/EU	43 / 40 / 37 / 29	62
Console	2.2	AE022MNJDEH/EU	34 / 32 / 30	52
	2.8	AE028MNJDEH/EU	38 / 36 / 34	58
	3.6	AE036MNJDEH/EU	39 / 37 / 34	59
	5.6	AE056MNJDEH/EU	43 / 40 / 37	64

NOTE

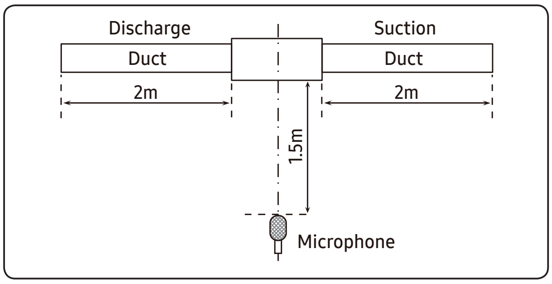
- Specifications may be subject to change without prior notice.
- Sound Pressure Level
  - Sound pressure level is obtained in an anechoic room.
  - Sound pressure level is a relative value, depending on the distance and acoustic environment.
  - Sound pressure level may differ depending on operation condition.
  - dBA = A-weighted sound pressure level
  - Reference acoustic pressure 0 dB = 20µPa
- 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.

4. Indoor Units

4-4. Sound data

Sound Pressure level

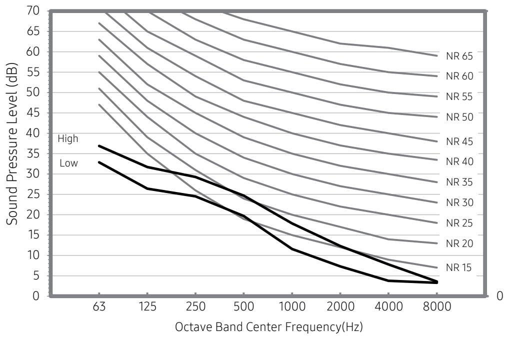
Duct (Slim & MSP)



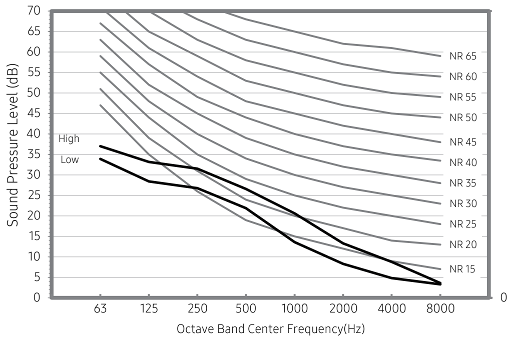
Model	dBA
AE022MNLDEH✱✱	26 / 24 / 21
AE028MNLDEH✱✱	28 / 26 / 23
AE036MNLDEH✱✱	32 / 30 / 27
AE056MNLDEH✱✱	36 / 34 / 31
AE071MNMPEH✱✱	37 / 33 / 29
AE090MNMPEH✱✱	38 / 35 / 32

- NR Curve

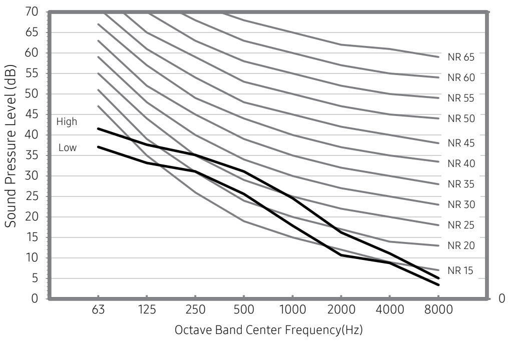
1) AE022MNLDEH✱✱



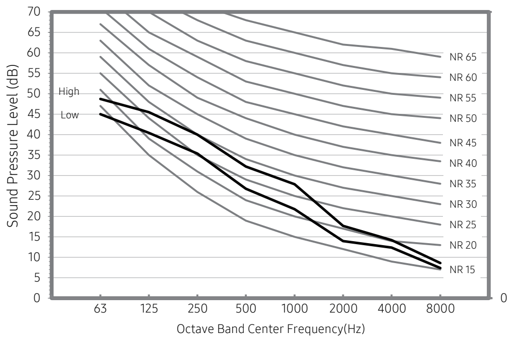
2) AE028MNLDEH✱✱



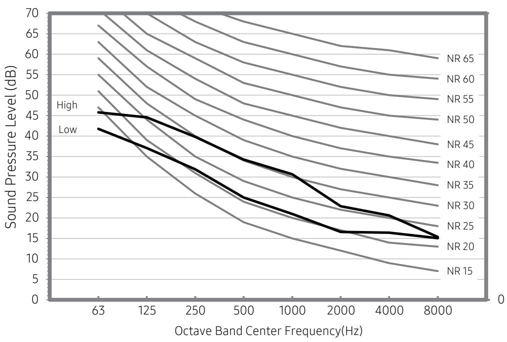
3) AE036MNLDEH✱✱



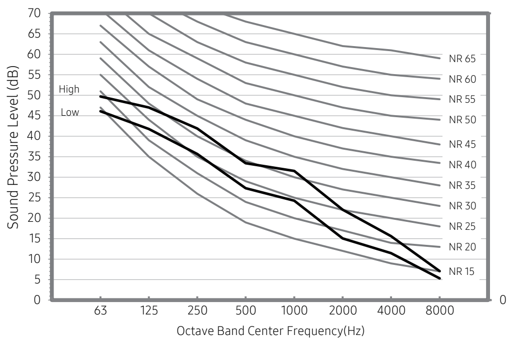
4) AE056MNLDEH✱✱



5) AE071MNMPEH✱✱



6) AE090MNMPEH✱✱

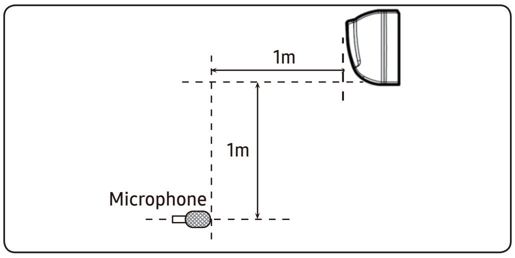


4. Indoor Units

4-4. Sound data

Sound Pressure level

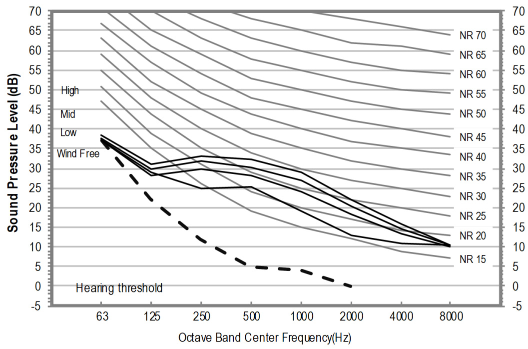
Wind-Free RAC



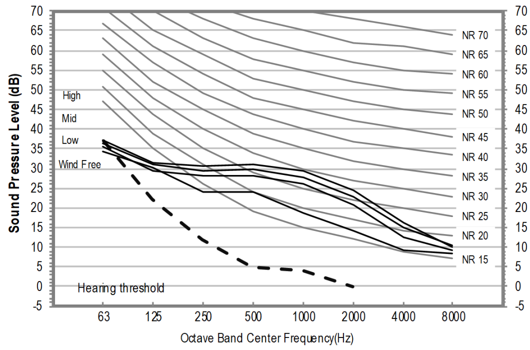
Model	dBA
AE022TNXDEH✱✱	34 / 32 / 30 / 27
AE028TNXDEH✱✱	34 / 33 / 32 / 26
AE036TNXDEH✱✱	40 / 36 / 34 / 26
AE056TNXDEH✱✱	40 / 37 / 34 / 29
AE071TNXDEH✱✱	43 / 40 / 37 / 29

- NR Curve

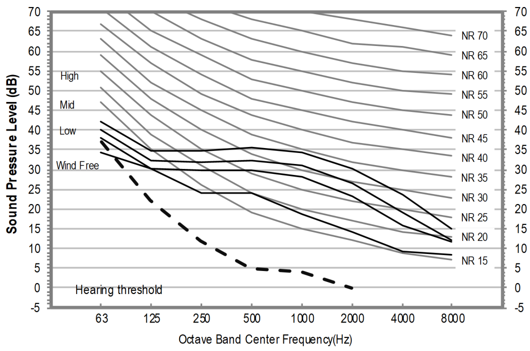
1) AE022TNXDEH✱✱



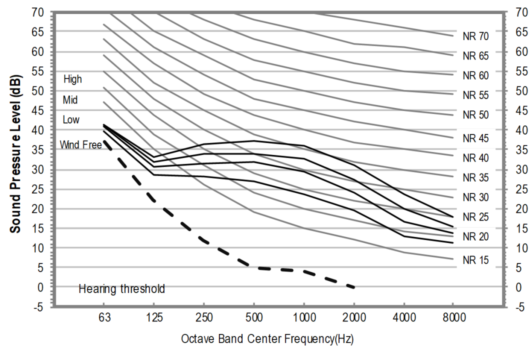
2) AE028TNXDEH✱✱



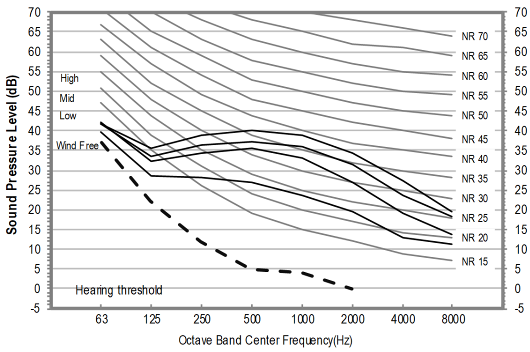
3) AE036TNXDEH✱✱



4) AE056TNXDEH✱✱



5) AE071TNXDEH✱✱

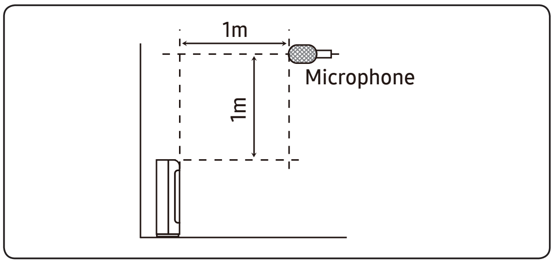


4. Indoor Units

4-4. Sound data

Sound Pressure level

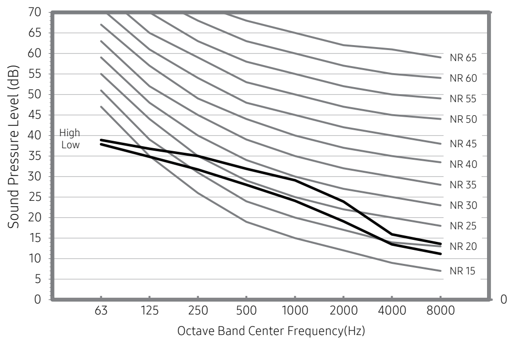
Console



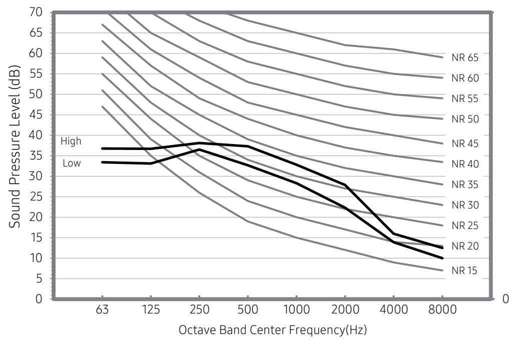
Model	dBA
AE022MNJDEH✱✱	34 / 32 / 30
AE028MNJDEH✱✱	38 / 36 / 34
AE036MNJDEH✱✱	39 / 37 / 34
AE056MNJDEH✱✱	43 / 40 / 37

- NR Curve

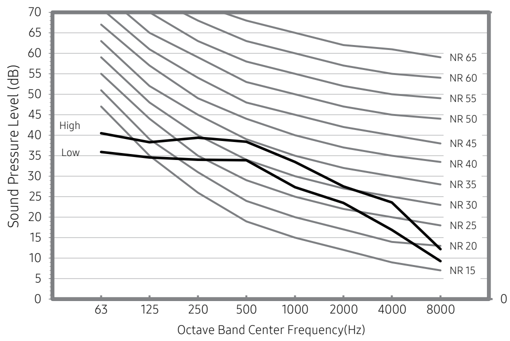
1) AE022MNJDEH✱✱



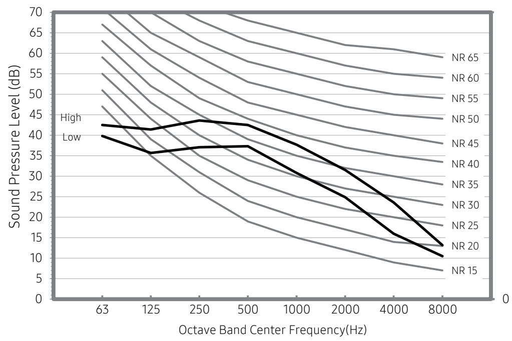
2) AE028MNJDEH✱✱



3) AE036MNJDEH✱✱



4) AE056MNJDEH✱✱



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

4. Indoor Units

4-4. Sound data

Sound Power level

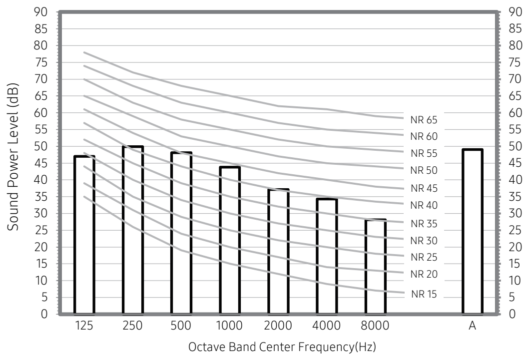
Duct (Slim & MSP)

NOTE

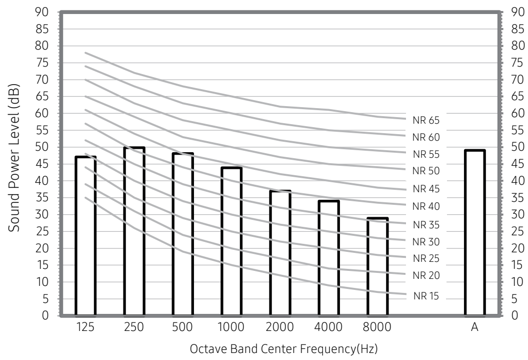
- Specifications may be subject to change without prior notice
  - Sound power level is an absolute value that a sound source generates.
  - dBA = A-weighted sound power level.
  - Reference power : 1pW.
  - Measured according to ISO 3741.

Model	Power (dBA)
AE022MNLDEH✱✱	49
AE028MNLDEH✱✱	49
AE036MNLDEH✱✱	51
AE056MNLDEH✱✱	55
AE071MNMPEH✱✱	57
AE090MNMPEH✱✱	58

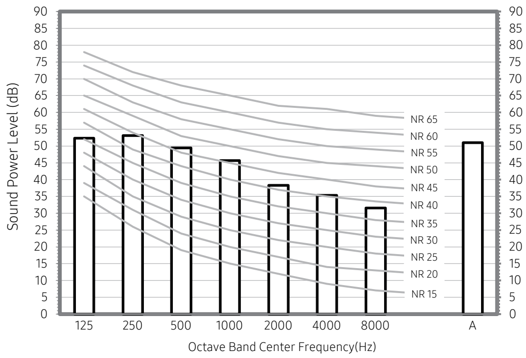
1) AE022MNLDEH✱✱



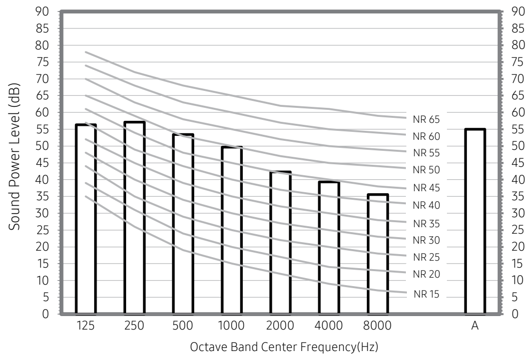
2) AE028MNLDEH✱✱



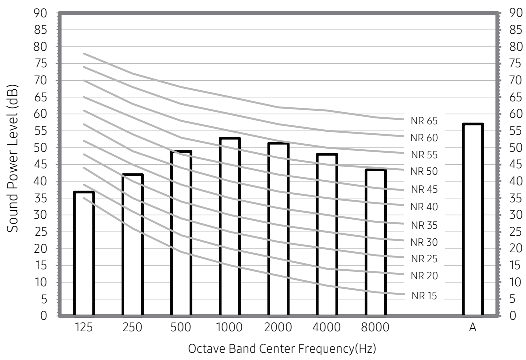
3) AE036MNLDEH✱✱



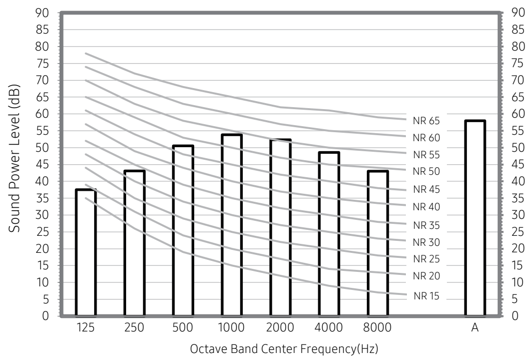
4) AE056MNLDEH✱✱



5) AE071MNMPEH✱✱



6) AE090MNMPEH✱✱



4. Indoor Units

4-4. Sound data

Sound Power level

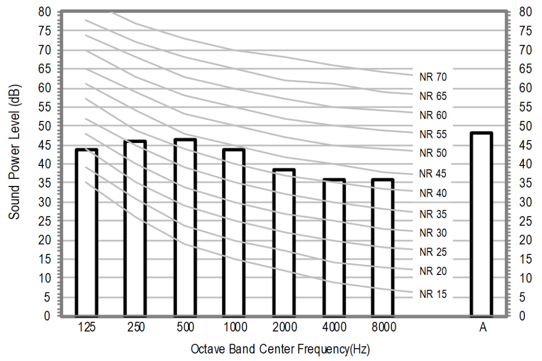
Wind-Free RAC

NOTE

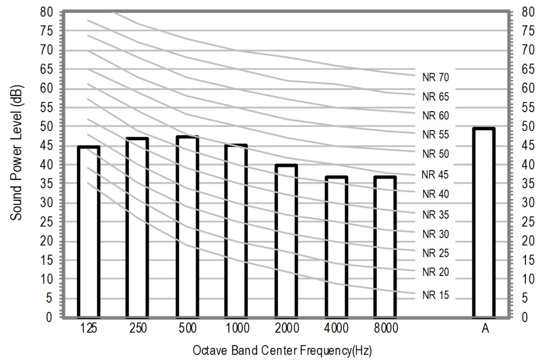
- Specifications may be subject to change without prior notice
  - Sound power level is an absolute value that a sound source generates.
  - dBA = A-weighted sound power level.
  - Reference power : 1pW.
  - Measured according to ISO 3741.

Model	Power (dBA)
AE022TNXDEH※※	51
AE028TNXDEH※※	52
AE036TNXDEH※※	56
AE056TNXDEH※※	58
AE071TNXDEH※※	62

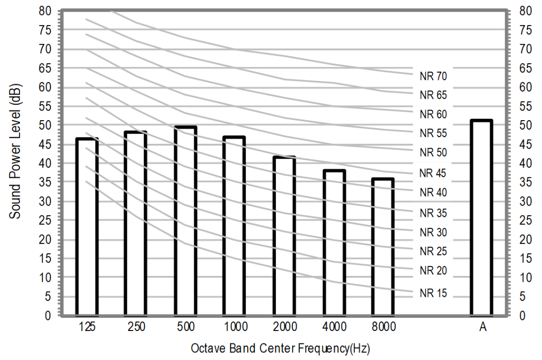
1) AE022TNXDEH※※



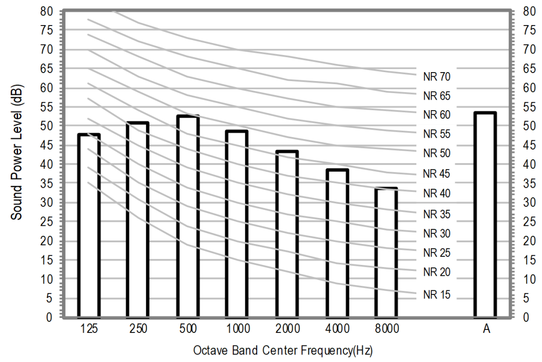
2) AE028TNXDEH※※



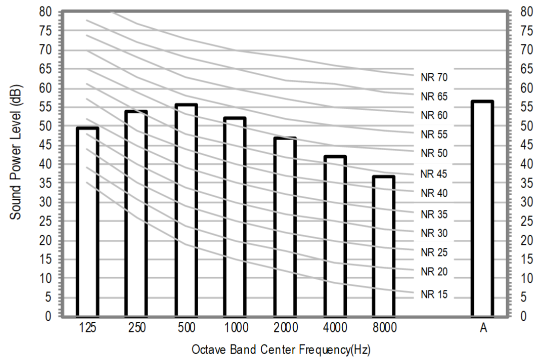
3) AE036TNXDEH※※



4) AE056TNXDEH※※



5) AE071TNXDEH※※



4. Indoor Units

4-4. Sound data

Sound Power level

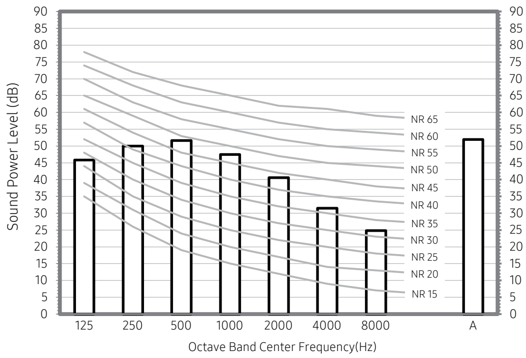
Console

NOTE

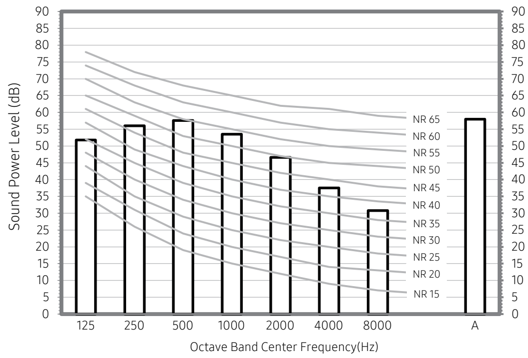
- Specifications may be subject to change without prior notice
  - Sound power level is an absolute value that a sound source generates.
  - dBA = A-weighted sound power level.
  - Reference power : 1pW.
  - Measured according to ISO 3741.

Model	Power (dBA)
AE022MNJDEH✱✱	52
AE028MNJDEH✱✱	58
AE036MNJDEH✱✱	59
AE056MNJDEH✱✱	64

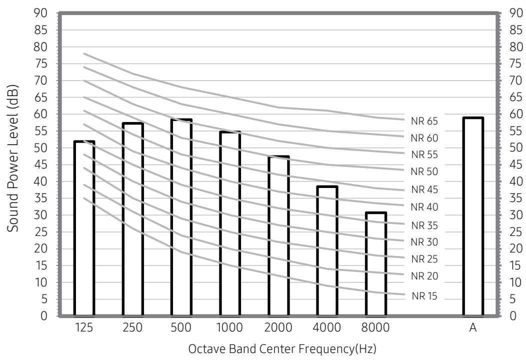
1) AE022MNJDEH✱✱



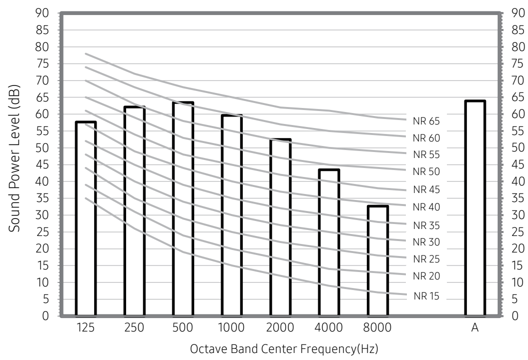
2) AE028MNJDEH✱✱



3) AE036MNJDEH✱✱



4) AE056MNJDEH✱✱

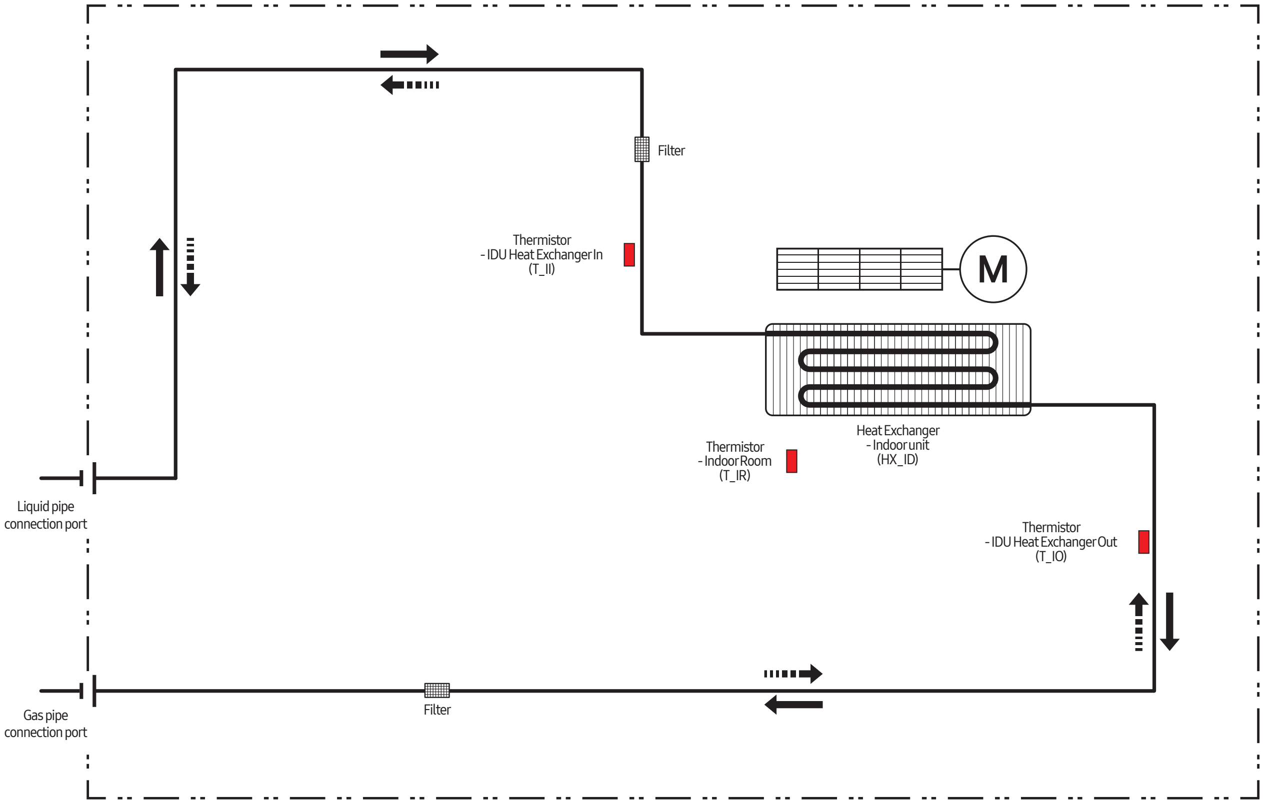


4. Indoor Units

4-5. Piping diagram

Wind-Free RAC

EEV not included Model



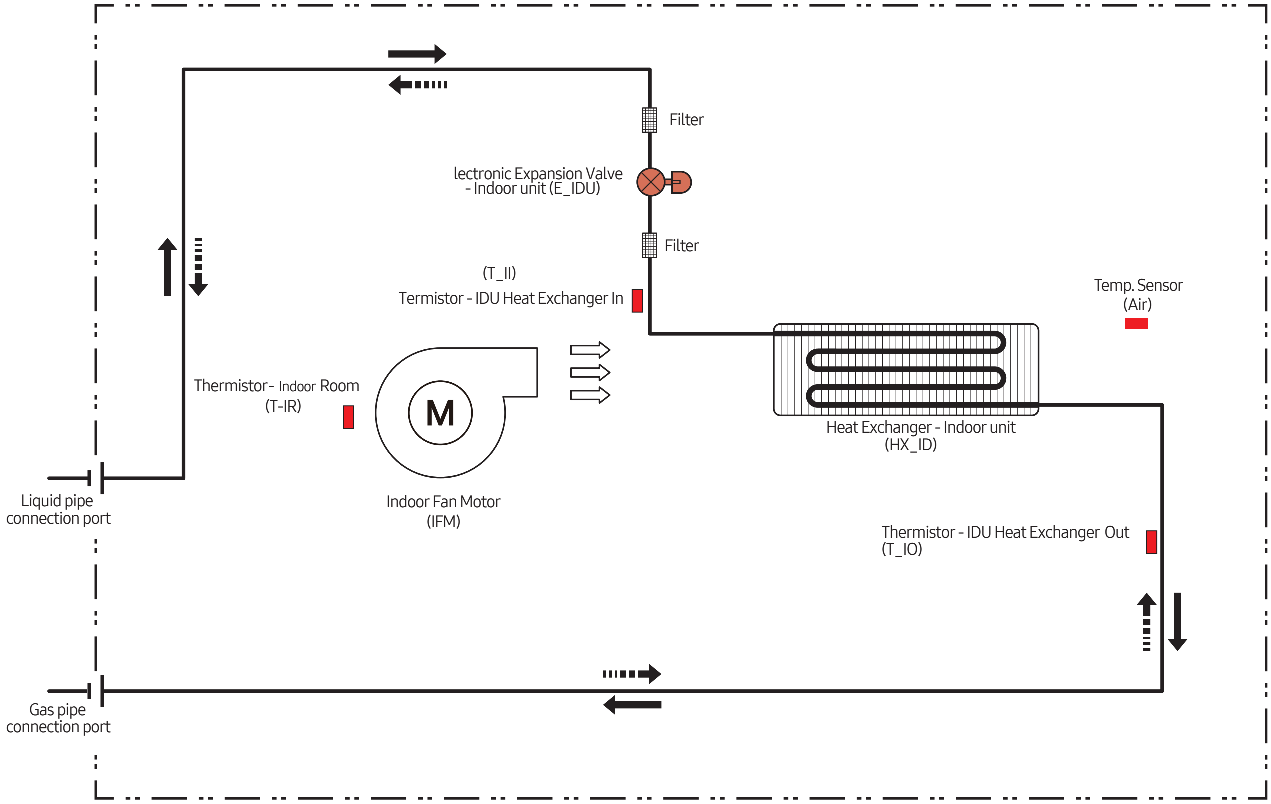
Refrigerant flow	
Cooling	Heating
➞ (solid arrow)	➞ (dashed arrow)

4. Indoor Units

4-5. Piping diagram

Duct (Slim, MSP)

EEV included Model



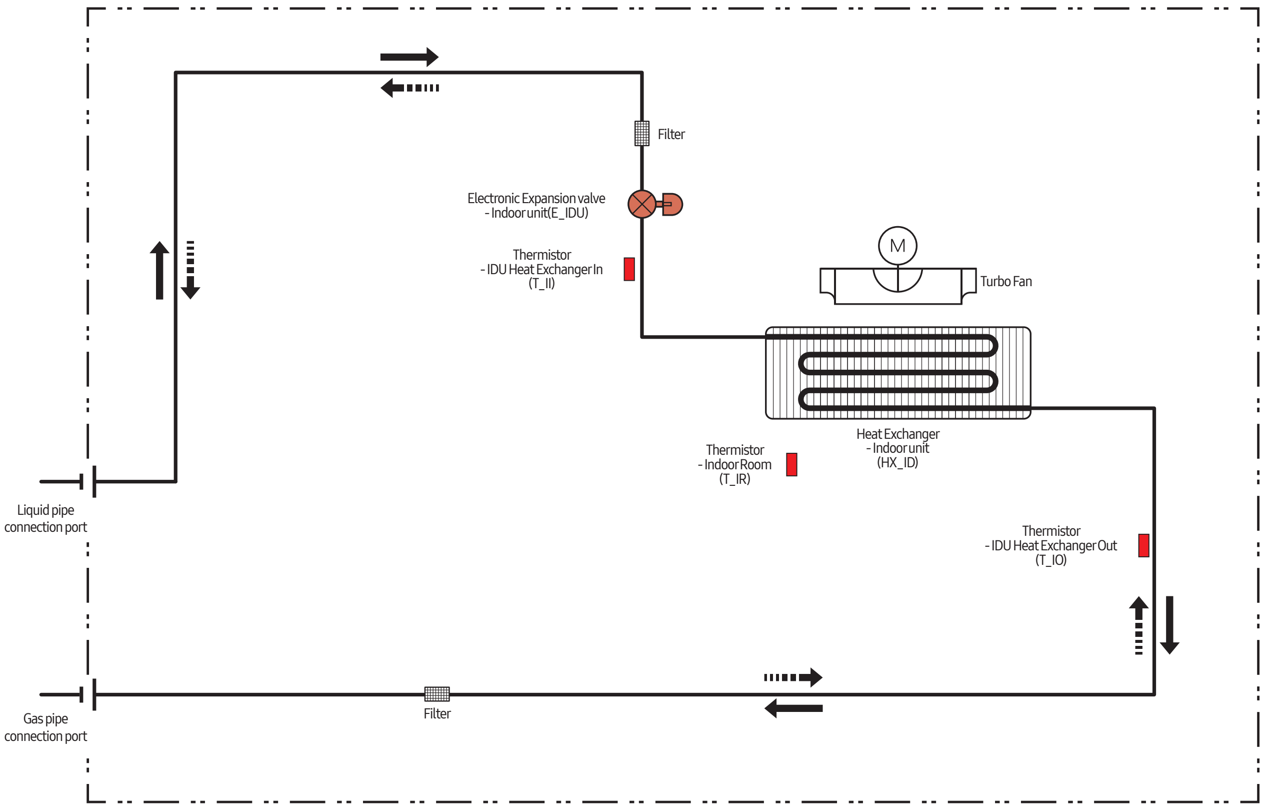
Refrigerant flow	
Cooling	Heating
→ (solid)	→ (dotted)

4. Indoor Units

4-5. Piping diagram

Console

EEV included Model



Refrigerant flow	
Cooling	Heating
→ (solid arrow)	⇢ (dashed arrow)

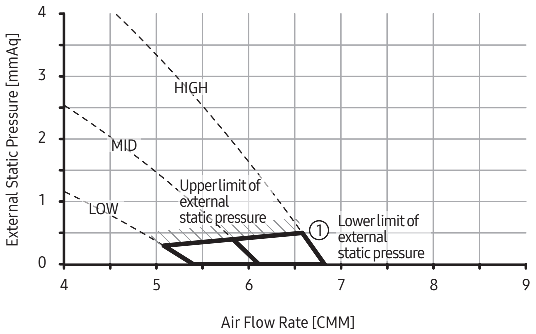
4. Indoor Units

4-6. Fan characteristics (PQ curve)

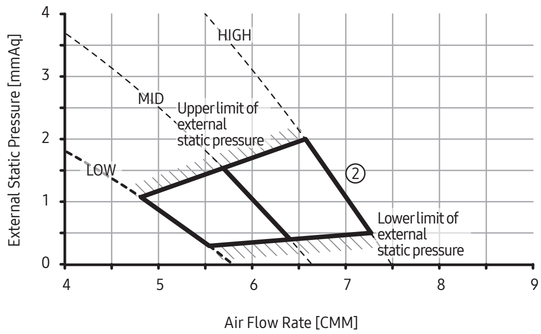
Duct (Slim)

1) AE022MNLDEH**

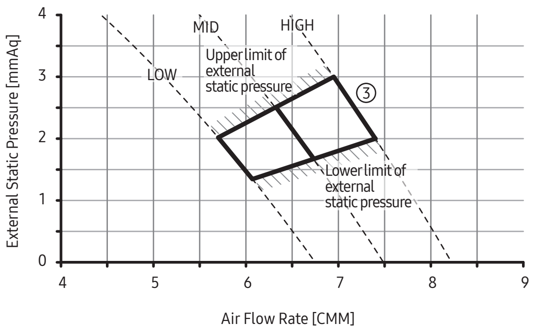
①	External Static Pressure(mmAq)	Option Code
	0	010954-125A80-201616-321110



②	External Static Pressure(mmAq)	Option Code
	1	010954-125AC3-201616-321110



③	External Static Pressure(mmAq)	Option Code
	3	010954-125E08-201616-321110



NOTE

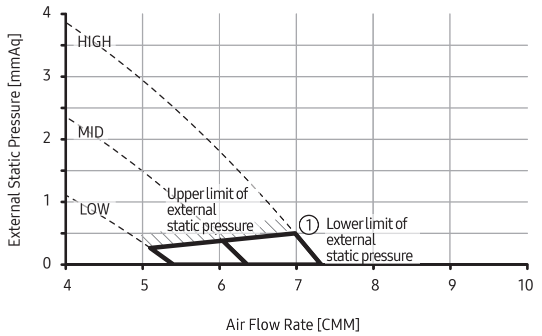
- Adjust option code according to the actual installation condition (external static pressure).
  ESP = External Static Pressure
  The graphs display the available external static pressure range of installed indoor units.
  Therefore, they do not reflect the actual change of external static pressure and airflow rate according to adjusted airflow (High-Mid-Low) of installed indoor units.

4-6. Fan characteristics (PQ curve)

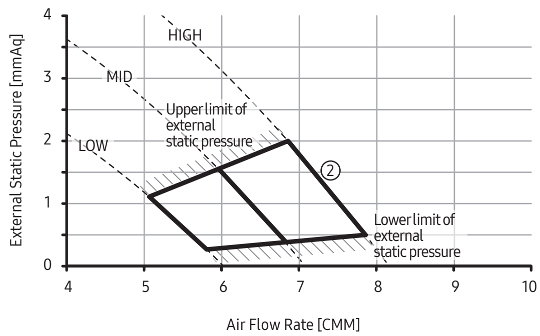
Duct (Slim)

2) AE028MNLDEH**

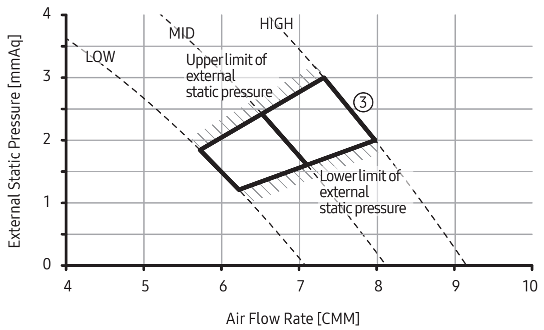
①	External Static Pressure(mmAq)	Option Code
	0	010954-125AE2-201C1C-321110



②	External Static Pressure(mmAq)	Option Code
	1	010954-125E15-201C1C-321110



③	External Static Pressure(mmAq)	Option Code
	3	010954-125E7A-201C1C-321110



NOTE

- Adjust option code according to the actual installation condition (external static pressure).
  ESP = External Static Pressure
  The graphs display the available external static pressure range of installed indoor units.
  Therefore, they do not reflect the actual change of external static pressure and airflow rate according to adjusted airflow (High-Mid-Low) of installed indoor units.

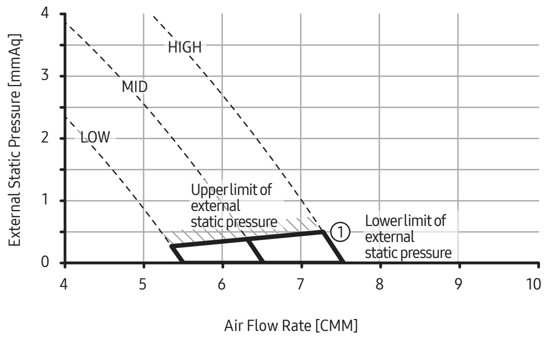
4. Indoor Units

4-6. Fan characteristics (PQ curve)

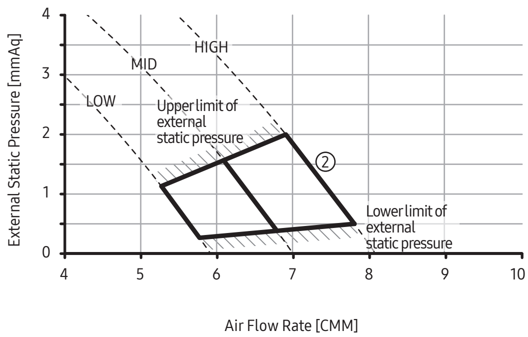
Duct (Slim)

3) AE036MNLDEH**

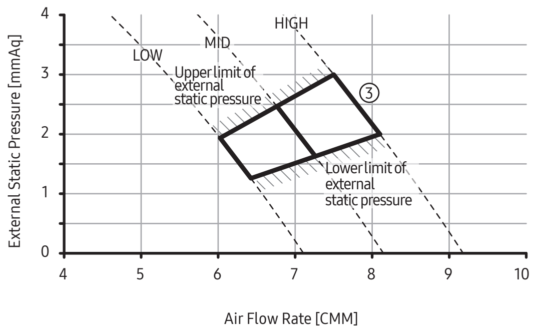
①	External Static Pressure(mmAq)	Option Code
	0	010954-125E35-202424-321110



②	External Static Pressure(mmAq)	Option Code
	1	010954-125E68-202424-321110



③	External Static Pressure(mmAq)	Option Code
	3	010954-125ECD-202424-321110



NOTE

- Adjust option code according to the actual installation condition (external static pressure).
  ESP = External Static Pressure
  The graphs display the available external static pressure range of installed indoor units.
  Therefore, they do not reflect the actual change of external static pressure and airflow rate according to adjusted airflow (High-Mid-Low) of installed indoor units.

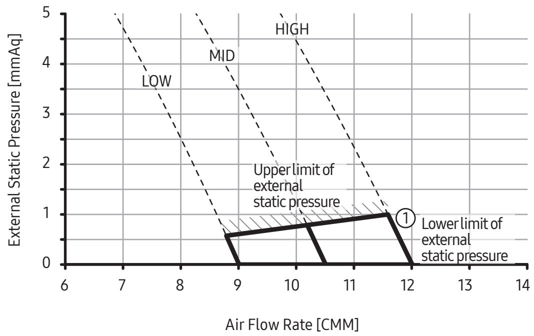
4. Indoor Units

4-6. Fan characteristics (PQ curve)

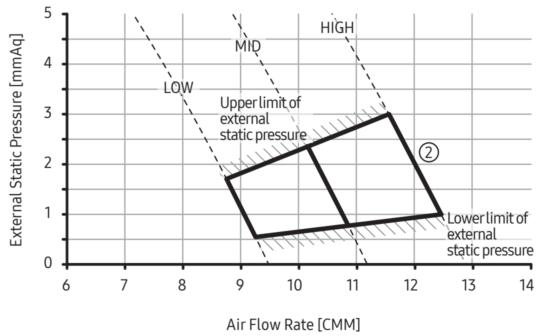
Duct (Slim)

4) AE056MNLDEH**

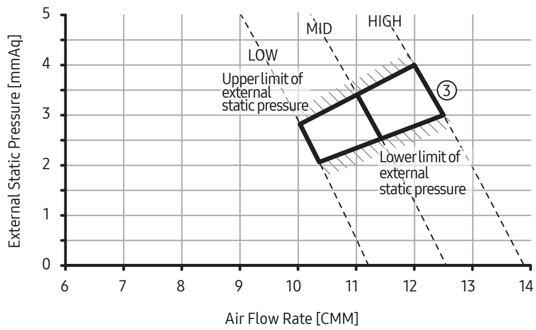
①	External Static Pressure(mmAq)	Option Code
	0	010954-125AC1-203838-321110



②	External Static Pressure(mmAq)	Option Code
	2	010954-125E34-203838-321110



③	External Static Pressure(mmAq)	Option Code
	4	010954-125EF9-203838-321110



NOTE

- Adjust option code according to the actual installation condition (external static pressure).
  ESP = External Static Pressure
  The graphs display the available external static pressure range of installed indoor units.
  Therefore, they do not reflect the actual change of external static pressure and airflow rate according to adjusted airflow (High-Mid-Low) of installed indoor units.

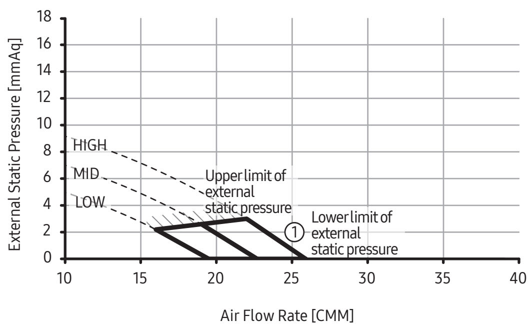
4. Indoor Units

4-6. Fan characteristics (PQ curve)

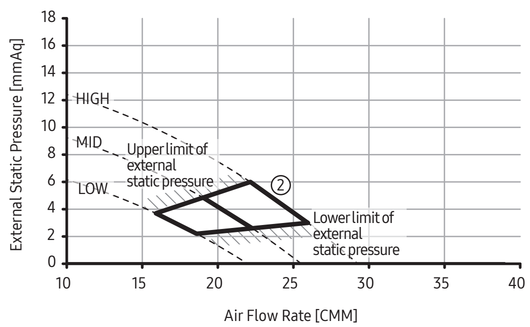
Duct (MSP)

5) AE071MNMPEH**

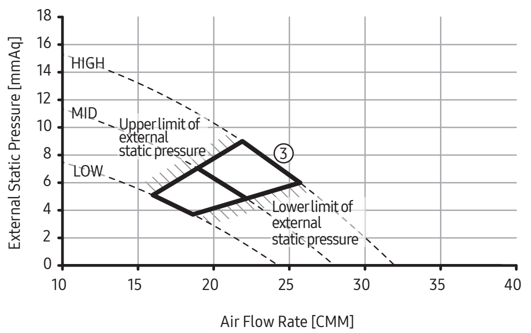
①	External Static Pressure(mmAq)	Option Code
	0 ≤ SP ≤ 3	010954-1C548D-204747-321201



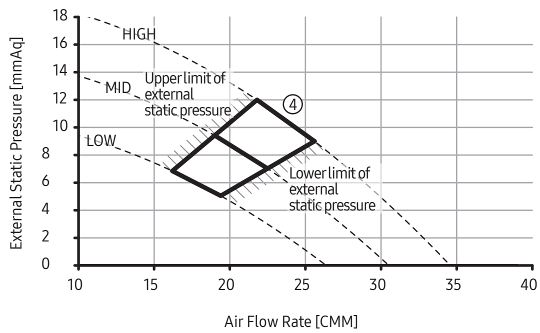
②	External Static Pressure(mmAq)	Option Code
	3 < SP ≤ 6	010954-1C55E1-204747-321201



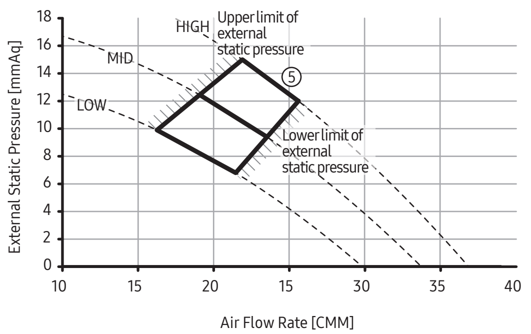
③	External Static Pressure(mmAq)	Option Code
	6 < SP ≤ 9	010954-1C5935-204747-321201



④	External Static Pressure(mmAq)	Option Code
	9 < SP ≤ 12	010954-1C5989-204747-321201



⑤	External Static Pressure(mmAq)	Option Code
	12 < SP ≤ 15	010954-1C59DF-204747-321201



NOTE

- Adjust option code according to the actual installation condition (external static pressure).
  ESP = External Static Pressure
  The graphs display the available external static pressure range of installed indoor units.
  Therefore, they do not reflect the actual change of external static pressure and airflow rate according to adjusted airflow (High-Mid-Low) of installed indoor units.

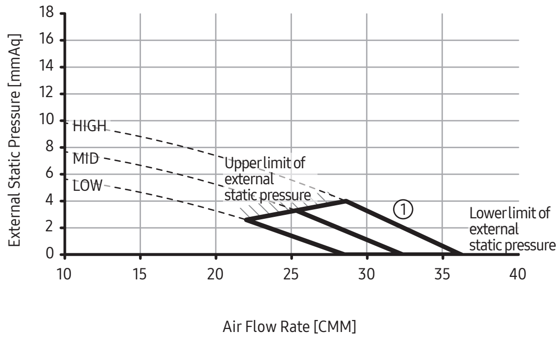
4. Indoor Units

4-6. Fan characteristics (PQ curve)

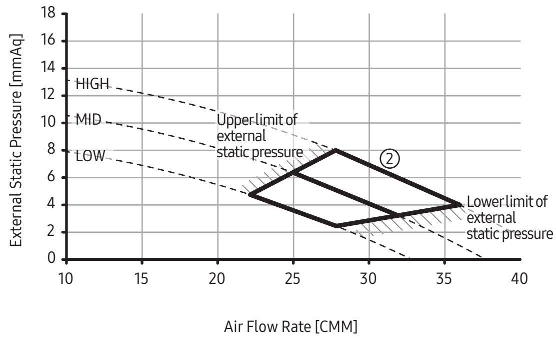
Duct (MSP)

6) AE090MNMPEH**

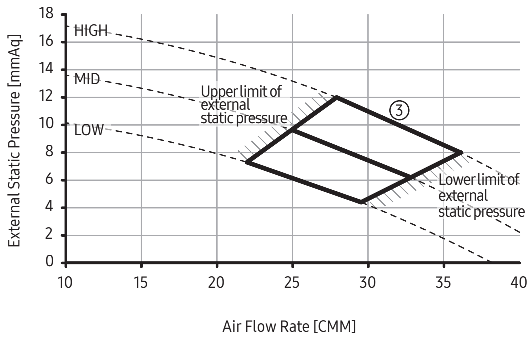
①	External Static Pressure(mmAq)	Option Code
	0 ≤ SP ≤ 4	010954-1C546D-205A5A-321212



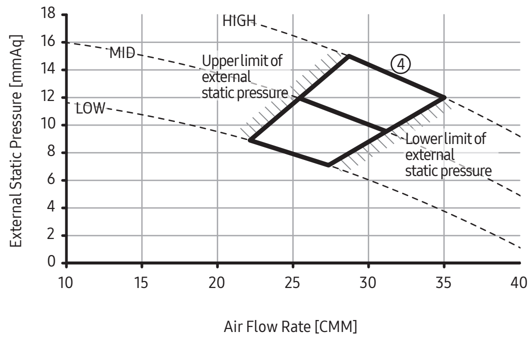
②	External Static Pressure(mmAq)	Option Code
	4 ‹ SP ≤ 8	010954-1C55E3-205A5A-321212



③	External Static Pressure(mmAq)	Option Code
	8 ‹ SP ≤ 12	010954-1C5969-205A5A-321212



④	External Static Pressure(mmAq)	Option Code
	12 ‹ SP ≤ 15	010954-1C59CD-205A5A-321212



NOTE

- Adjust option code according to the actual installation condition (external static pressure).
  ESP = External Static Pressure
  The graphs display the available external static pressure range of installed indoor units.
  Therefore, they do not reflect the actual change of external static pressure and airflow rate according to adjusted airflow (High-Mid-Low) of installed indoor units.

4. Indoor Units

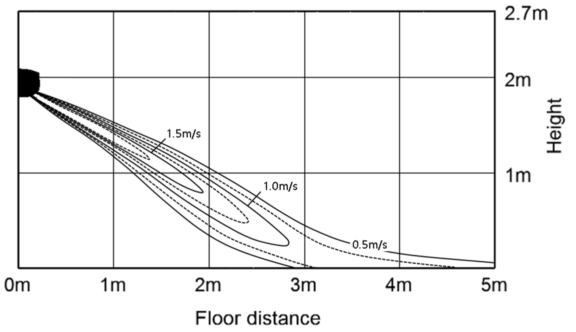
4-7. Temperature and air flow distribution

Wind-Free RAC

AE022TNXDEH✱✱

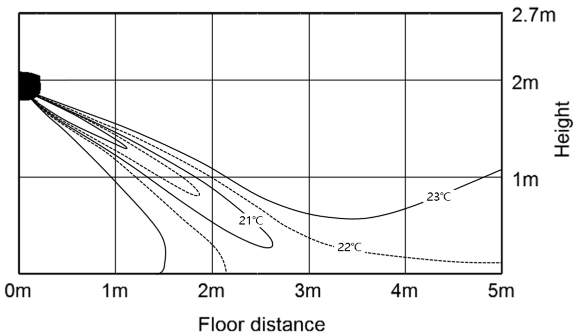
(1) Cooling air velocity distribution

Discharge angle (Default) : 20°



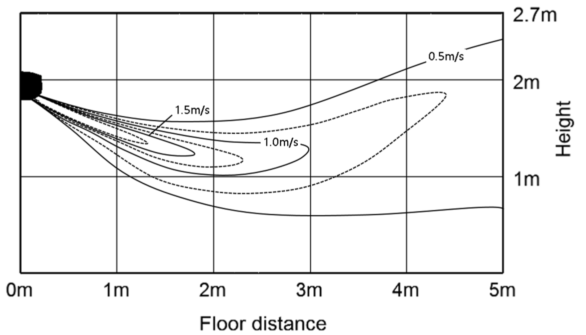
(2) Cooling temperature distribution

Discharge angle (Default) : 20°



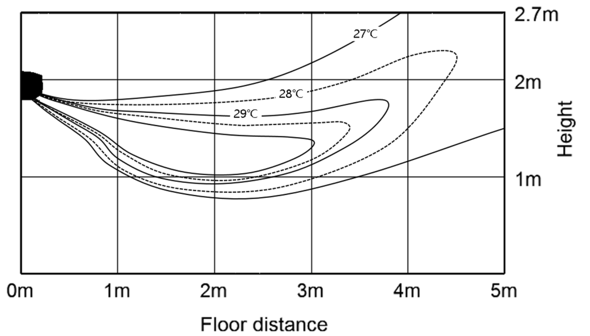
(3) Heating air velocity distribution

Discharge angle (Default) : 30°



(4) Heating temperature distribution

Discharge angle (Default) : 30°



4. Indoor Units

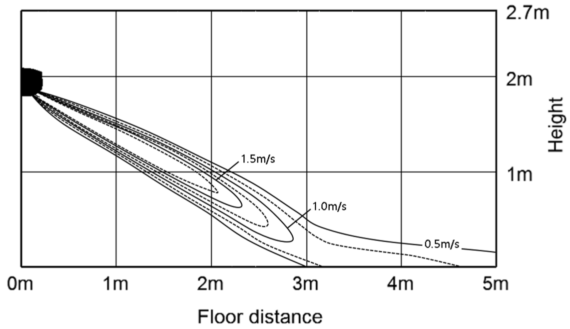
4-7. Temperature and air flow distribution

Wind-Free RAC

AE028TNXDEH✳✳

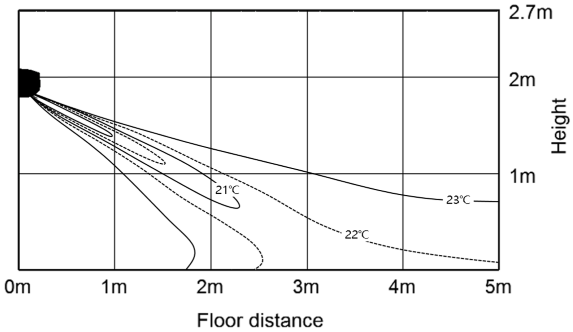
(1) Cooling air velocity distribution

Discharge angle (Default) : 20°



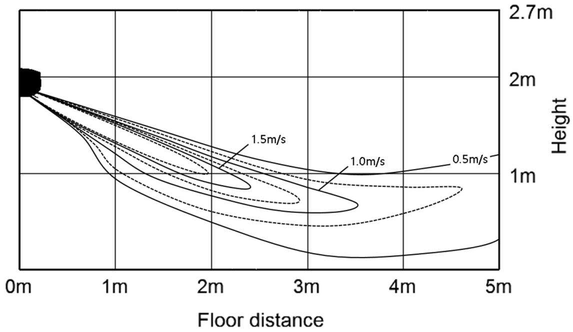
(2) Cooling temperature distribution

Discharge angle (Default) : 20°



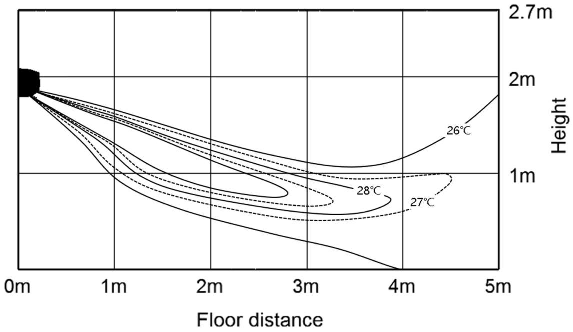
(3) Heating air velocity distribution

Discharge angle (Default) : 30°



(4) Heating temperature distribution

Discharge angle (Default) : 30°



4. Indoor Units

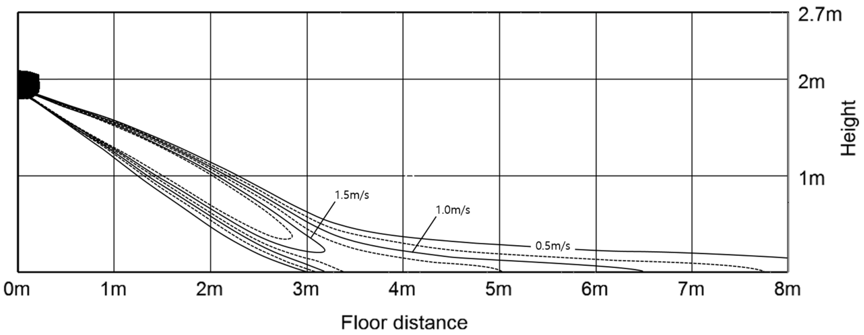
4-7. Temperature and air flow distribution

Wind-Free RAC

AE036TNXDEH✱✱

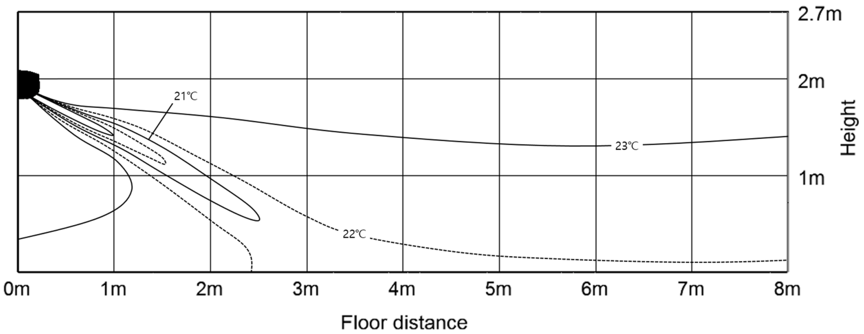
(1) Cooling air velocity distribution

Discharge angle (Default) : 20°



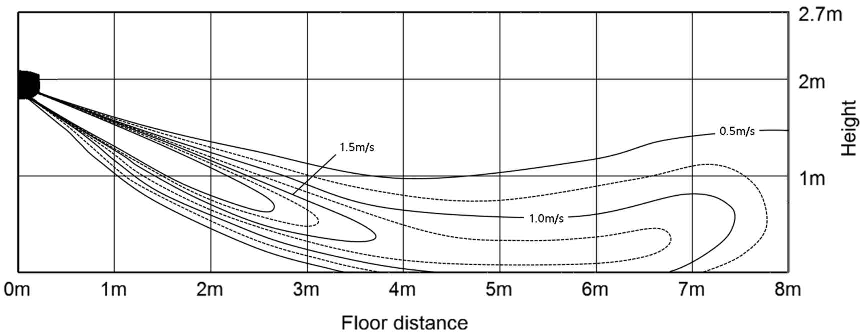
(2) Cooling temperature distribution

Discharge angle (Default) : 20°



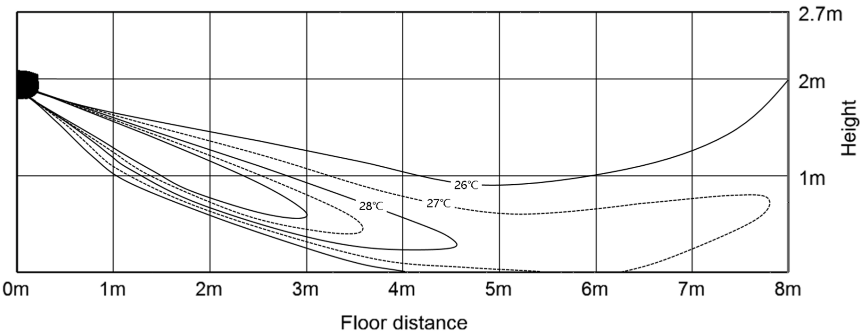
(3) Heating air velocity distribution

Discharge angle (Default) : 30°



(4) Heating temperature distribution

Discharge angle (Default) : 30°



4. Indoor Units

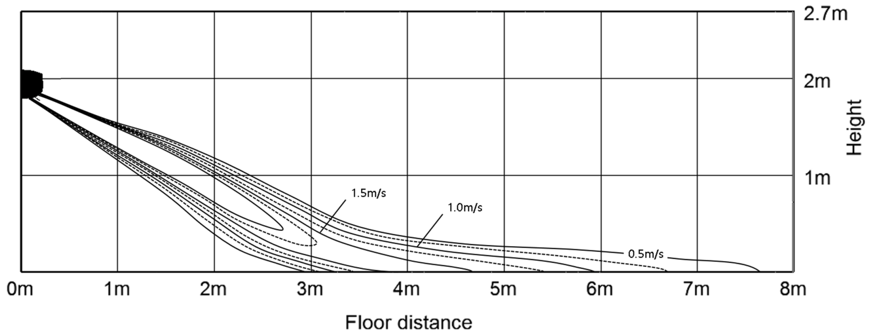
4-7. Temperature and air flow distribution

Wind-Free RAC

AE056TNXDEH⚹⚹

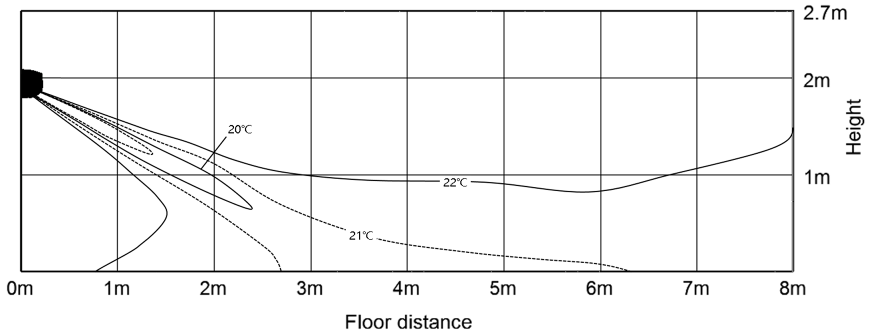
(1) Cooling air velocity distribution

Discharge angle (Default) : 20°



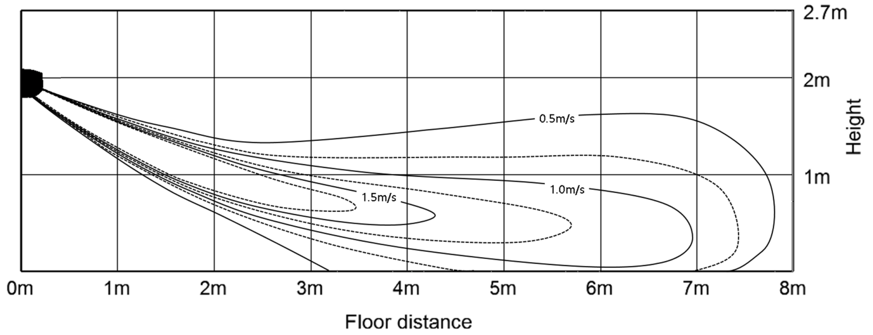
(2) Cooling temperature distribution

Discharge angle (Default) : 20°



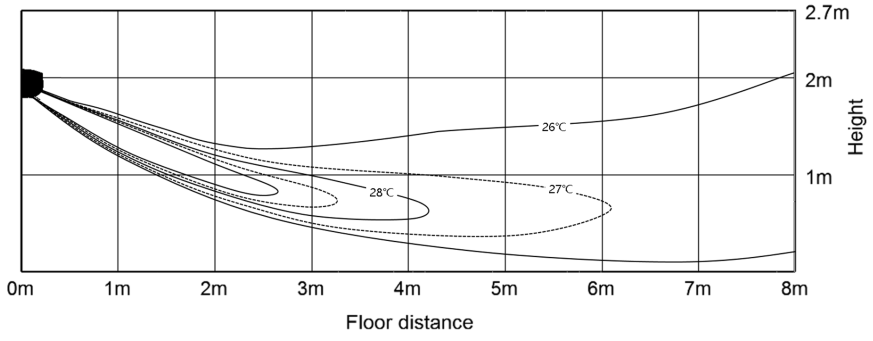
(3) Heating air velocity distribution

Discharge angle (Default) : 30°



(4) Heating temperature distribution

Discharge angle (Default) : 30°



4. Indoor Units

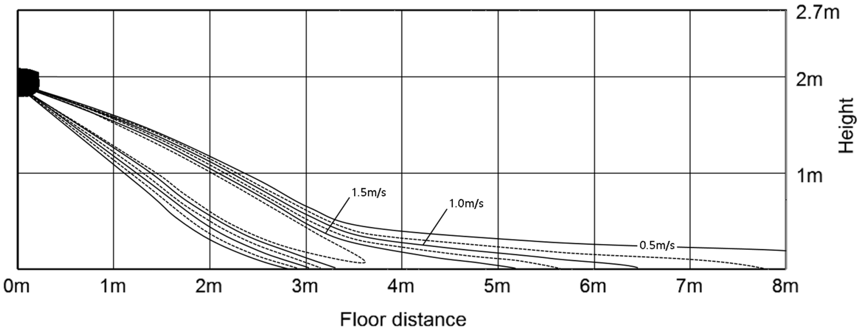
4-7. Temperature and air flow distribution

Wind-Free RAC

AE071TNXDEH✕✕

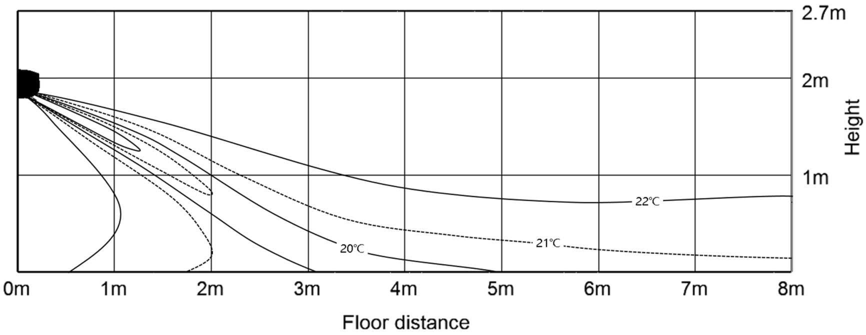
(1) Cooling air velocity distribution

Discharge angle (Default) : 20°



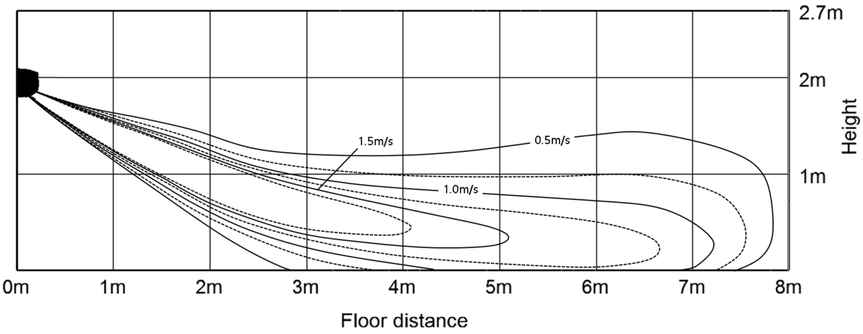
(2) Cooling temperature distribution

Discharge angle (Default) : 20°



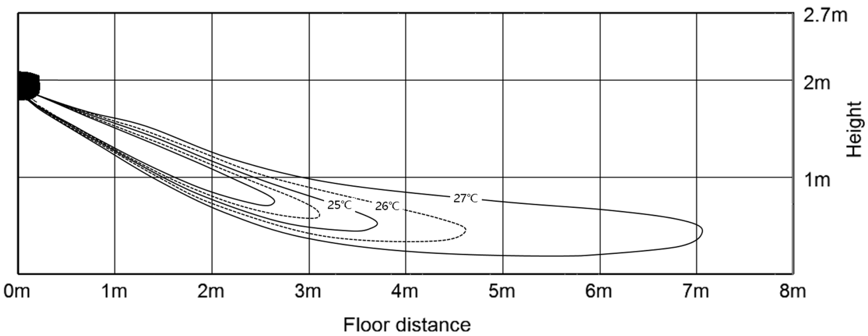
(3) Heating air velocity distribution

Discharge angle (Default) : 30°



(4) Heating temperature distribution

Discharge angle (Default) : 30°



4. Indoor Units

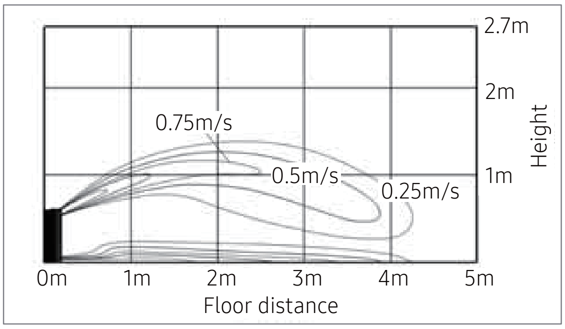
4-7. Temperature and air flow distribution

Console

AE022MNJDEH✱✱

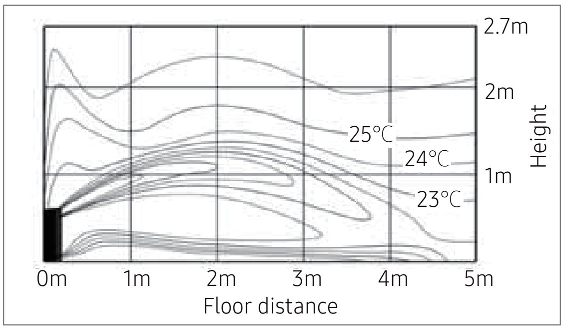
(1) Cooling air velocity distribution

Discharge angle (Default) : 40°



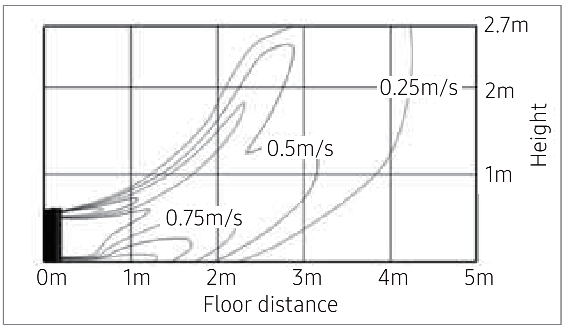
(2) Cooling temperature distribution

Discharge angle (Default) : 40°



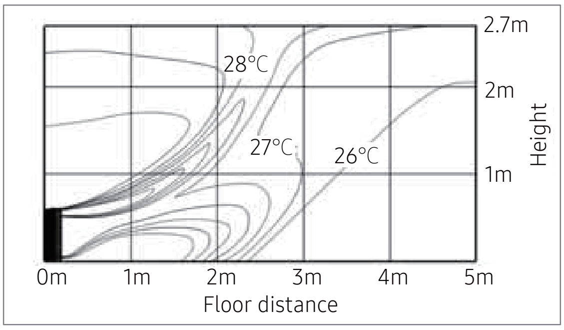
(3) Heating air velocity distribution

Discharge angle (Default) : 4°



(4) Heating temperature distribution

Discharge angle (Default) : 4°



4. Indoor Units

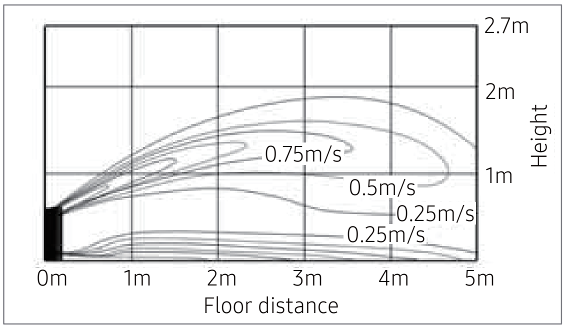
4-7. Temperature and air flow distribution

Console

AE028MNJDEH⁎⁎

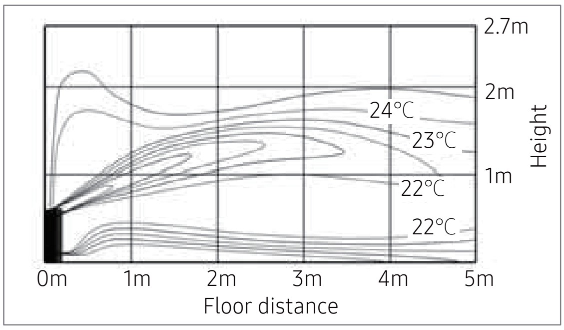
(1) Cooling air velocity distribution

Discharge angle (Default) : 40°



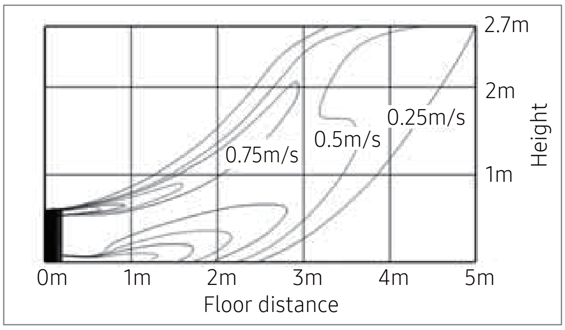
(2) Cooling temperature distribution

Discharge angle (Default) : 40°



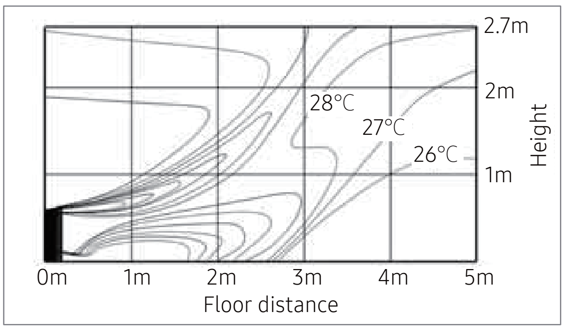
(3) Heating air velocity distribution

Discharge angle (Default) : 4°



(4) Heating temperature distribution

Discharge angle (Default) : 4°



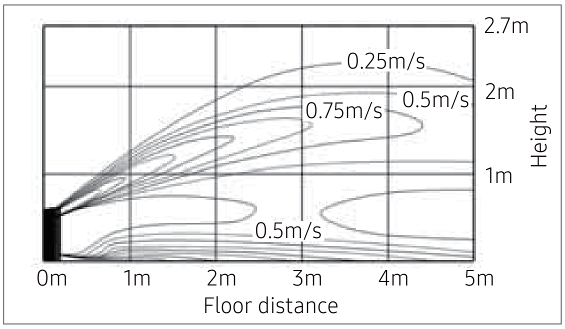
4-7. Temperature and air flow distribution

Console

AE036MNJDEH✱✱

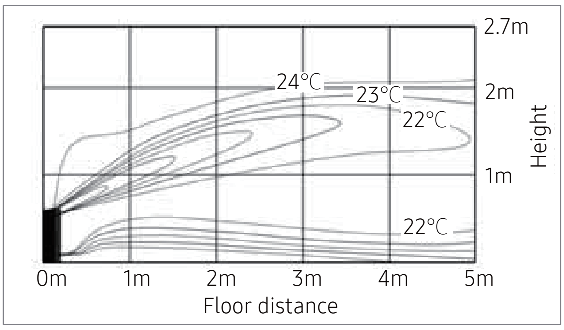
(1) Cooling air velocity distribution

Discharge angle (Default) : 40°



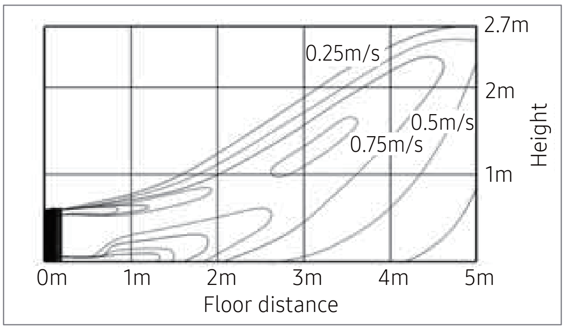
(2) Cooling temperature distribution

Discharge angle (Default) : 40°



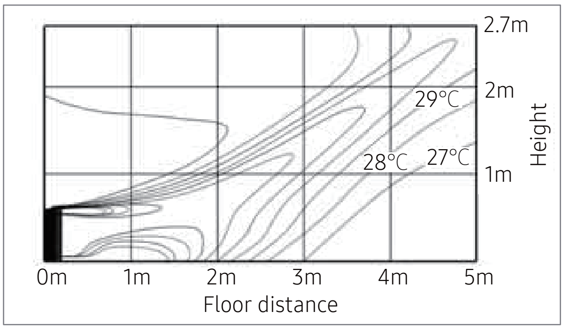
(3) Heating air velocity distribution

Discharge angle (Default) : 4°



(4) Heating temperature distribution

Discharge angle (Default) : 4°



4. Indoor Units

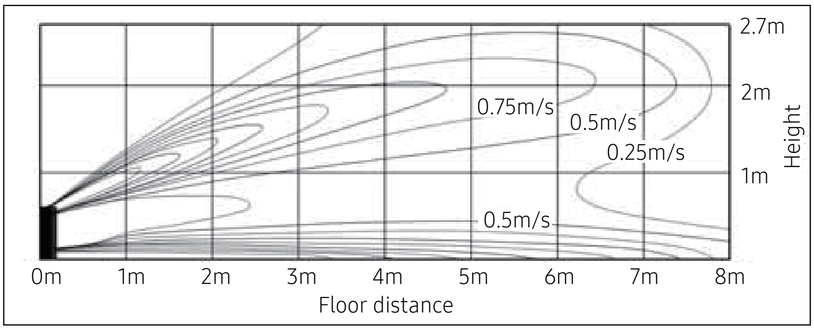
4-7. Temperature and air flow distribution

Console

AE056MNJDEH✲✲

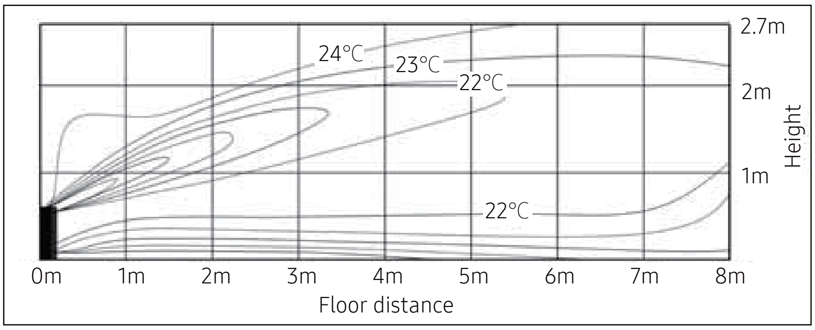
(1) Cooling air velocity distribution

Discharge angle (Default) : 40°



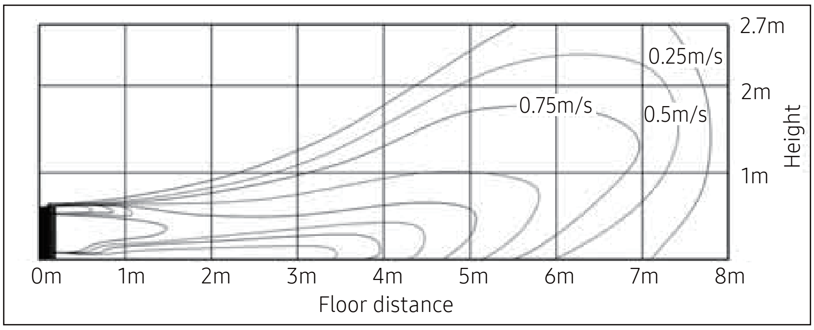
(2) Cooling temperature distribution

Discharge angle (Default) : 40°



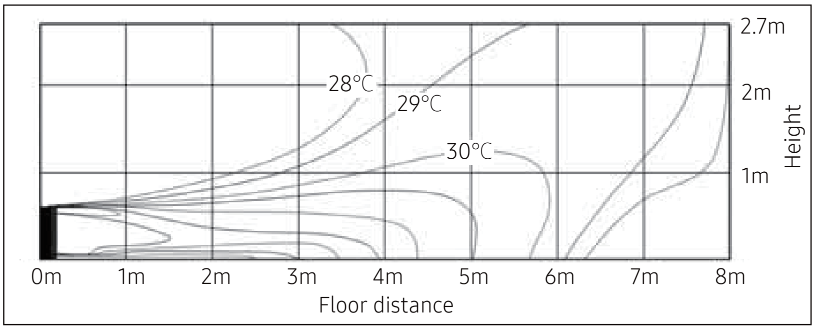
(3) Heating air velocity distribution

Discharge angle (Default) : 4°



(4) Heating temperature distribution

Discharge angle (Default) : 4°



5. Installation

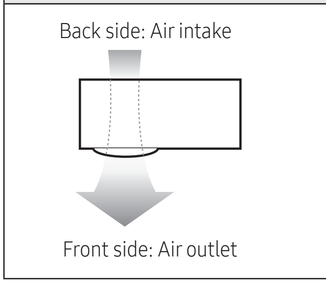
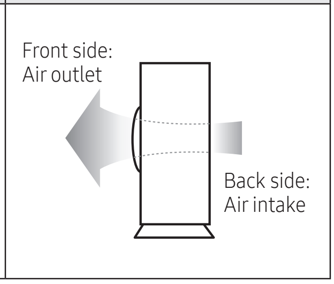
Outdoor Unit

Locating the Units

Space Requirements for Outdoor Unit

- Observe the clearances and dimensions as seen below when installing the outdoor unit.
- If you install several outdoor units simultaneously, observe the space for ventilation and free airflow. If the space for ventilation is insufficient, the Air to water heat pump may be inefficient.
- SAMSUNG logo is attached on the front side of the outdoor unit.

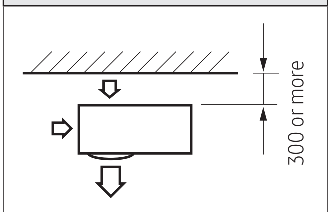
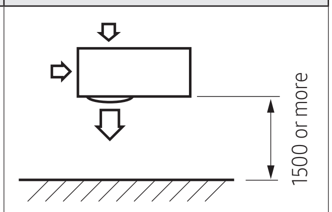
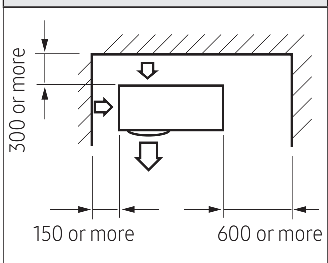
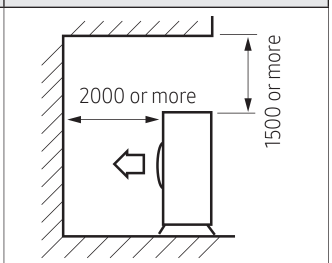
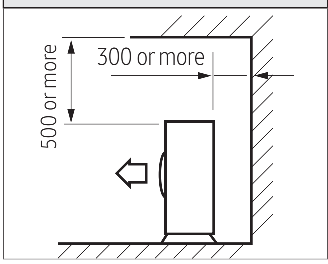
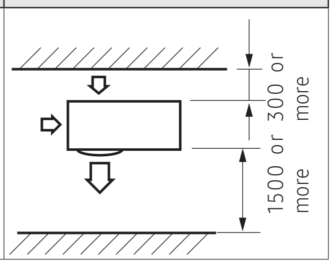
Figure Description

Top view	Side view
	

-  Air flow direction.

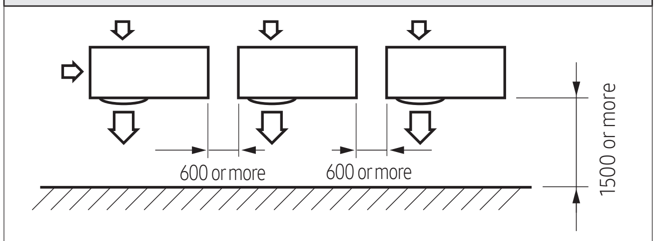
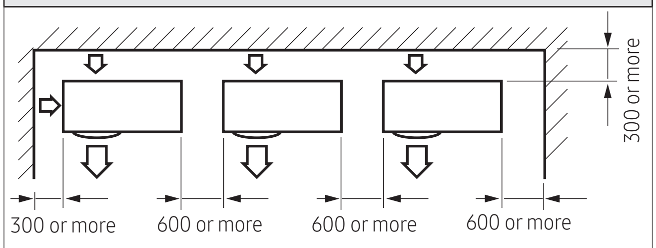
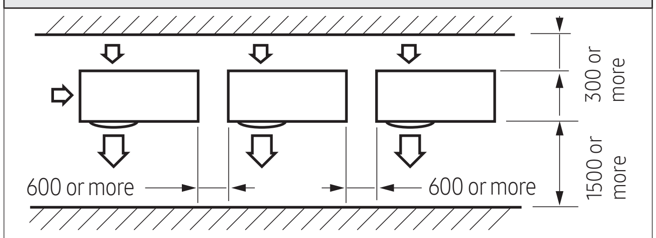
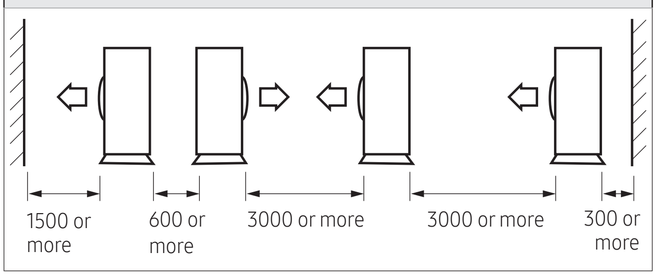
When installing 1 outdoor unit

(Unit: mm)

When the air outlet is opposite the wall	When the air outlet is toward the wall
	
When 3 sides of the outdoor unit are blocked by the wall	**The upper part of the outdoor unit and the air outlet is toward the wall**
	
The upper part of the outdoor unit and the air outlet is opposite the wall	**When the walls are blocking front and the rear side of the outdoor unit**
	

When installing more than 1 outdoor unit

(Unit: mm)

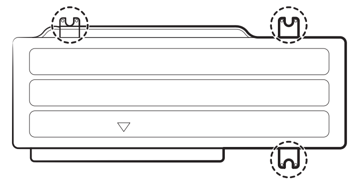
When the air outlet is toward the wall

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

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

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


5. Installation

Outdoor Unit

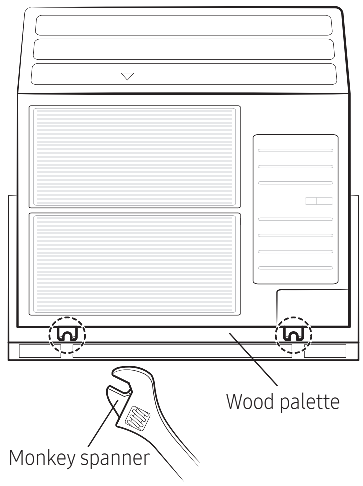
Disassembling the Leg Base and Wood Palette / Fastening the Anchor Bolt

1 Disassemble the three screws (with an electric driver) which fixes wood palette.



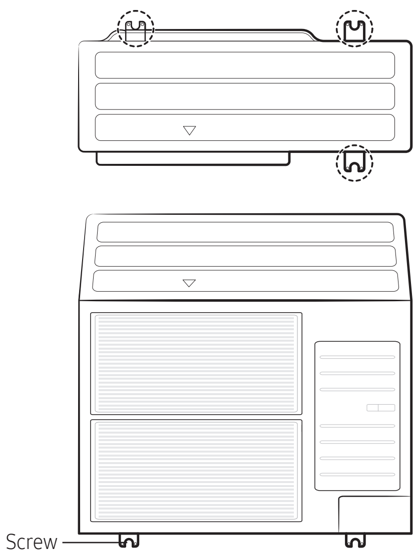
2 Disassemble the bottom-left screw with monkey spanner.

- Do not remove guard fan.



3 After removing the wood palette, move the outdoor unit to the installation place.

4 Fasten the bottom-left screw with monkey spanner first, and then fasten the other three anchor bolts.



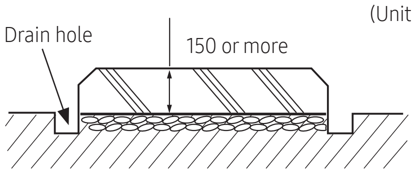
Installing the Outdoor Unit

⚠ CAUTION

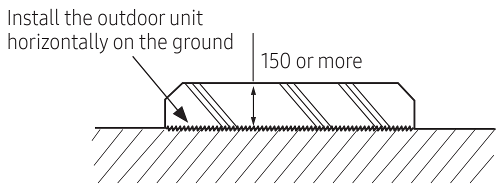
- Do not install the outdoor unit on a wooden pallet palette.
- Fix the outdoor unit completely to the base fix the outdoor unit with anchor bolts.
- The manufacturer is not responsible for the damage occurred by not keeping standard of the installation.

- Install the outdoor unit higher than 150mm from the base surface and install the drain hole to connect the pipe to the drainage.
- If front fan outdoor unit is installed where average snow fall is 150mm or more, a duct should be fitted to the unit.
- The concrete foundation should be 1.5 times larger than bottom of the outdoor unit.
- When heating, condensed water may be generated. Pay attention to waterproof and drainage of the concrete foundation where the outdoor unit is installed. (An ice patch may form on the base surface in winter.)
- Install a square pad(t=20mm or more) to prevent vibration of the outdoor unit delivering to the base surface when installing the concrete for the outdoor unit.

(Unit : mm)



< When installing on the ground >



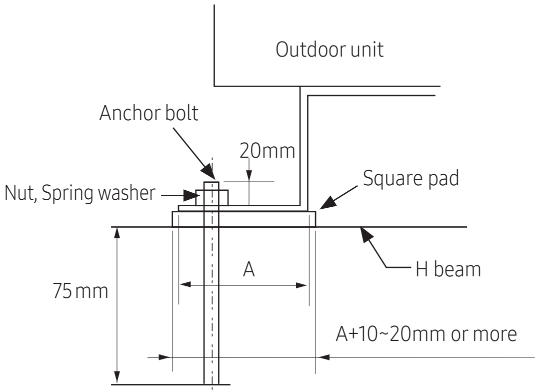
< When installing on the roof >

※ Base mount construction

5. Installation

Outdoor Unit

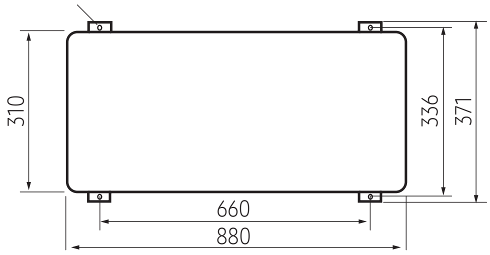
- Place the outdoor unit on the H beam and fix it with the bolt, nut and washer.



Outdoor unit base mount and anchor bolt position

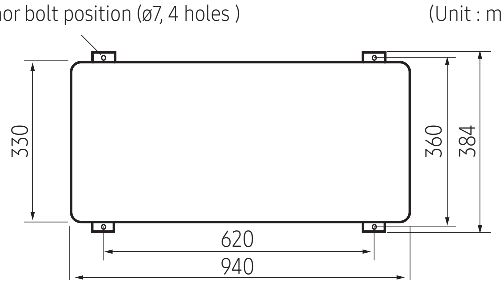
- 4.4/6.6kW

Anchor bolt position (ø7, 4 holes) (Unit : mm)



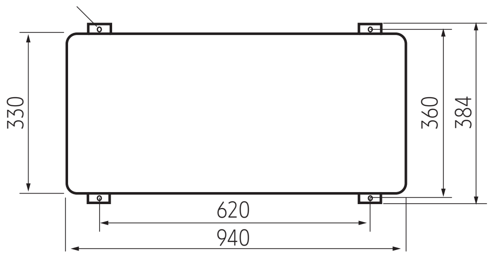
- 9kW

Anchor bolt position (ø7, 4 holes) (Unit : mm)



- 12/16kW

Anchor bolt position (ø7, 4 holes) (Unit : mm)



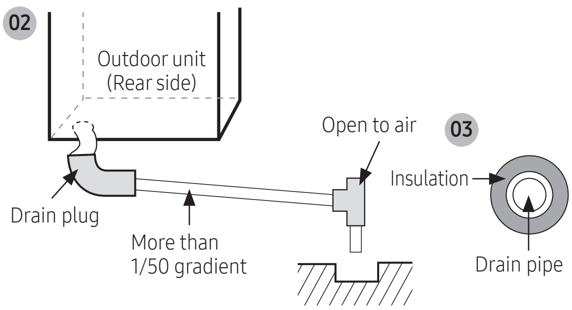
⚠ CAUTION

When tightening the anchor bolt

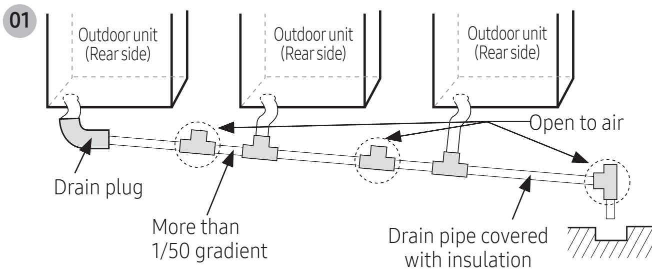
- Tighten the rubber washer to prevent the outdoor unit bolt connection part from corroding.

Installing the drain pipe

- When installing 1 outdoor unit



- When installing more than 1 outdoor unit



01 Open the upside of connected parts of outdoor units to prevent inner pressure.

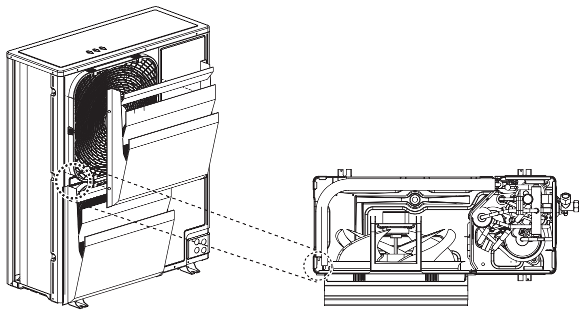
02 Do not install a trap in the drain pipe work and install with a 1/50 gradient or more.

03 Insulate the drain pipe and drain plug by using the insulation over 10mm.

04 Install a self-regulation heat cable to prevent the drain pipe from freezing.

Caution When Installing Cover for Heating Air Direction Change

- Parts shown in the picture is where the copper pipe may be passing by or the external plate may be near the copper pipe. When using screw for installing the air direction changing device such as heating air cover, check and make sure that it does not damage the copper pipe.



< Internal view from bottom>

5. Installation

Outdoor Unit

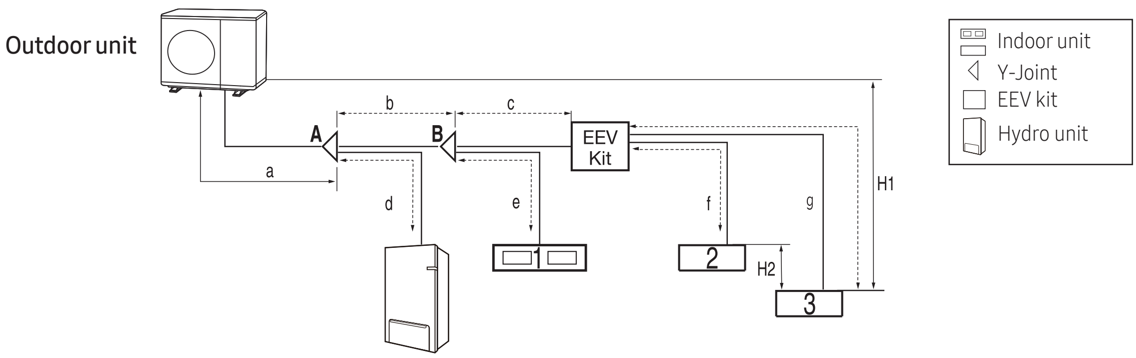
Installing the Refrigerant Pipe Work

- Install the refrigerant pipe within the maximum allowable length, difference in height and length of after the first branch pipe.
- The pressure of the R410A is high.
  Use only rated refrigerant pipe and follow the installation method.
- Use clean refrigerant pipe Where there is no harmful ion, oxide, dust, iron content or moisture.
- Use adequate tools and accessories for R410A.

Manifold gauge	• Use manifold gauge only for R410A to prevent the inflow of foreign substances.
Vacuum pump	• Use vacuum pump with check valve to prevent pump oil from flowing backward while the vacuum pump is stopped. • Use the vacuum pump that the vacuum induction is available up to 5 Torr (666.6Pa , 0.0067 kgf/cm², 5 mmHg)
Flare nut	• Use only flare nut supplied with the product.

Allowable Length of the Refrigerant Pipe and the Installation Examples

AE044MXTPEH/AE066MXTPEH



Item				Example	Remarks
Maximum allowable length of pipe	Outdoor unit ~ Indoor units	Longest piping length	Less than 30m	a+b+c+g ≤ 30m	
		Equivalent length	Less than 40m	Y-joint and EEV kit : 0.5m	
		Total length	Less than 75m	a+b+c+d+e+f+g ≤ 75 m	5m ≤ Total length ≤ 75m
Maximum allowable height	Outdoor unit ~ Indoor units	Less than 20m		H1	If outdoor unit is located lower position H1 ≤15m
	Indoor unit ~ Indoor unit	Height difference between indoor units	Less than 7.5m	H2	
Maximum allowable length of pipe	First Y-joint ~ Last indoor unit	Actual piping length	Less than 20m	b+c+g ≤ 20 m (between first Y-joint and indoor unit) h ≤ 20 m (between EEV kit and indoor unit)	
Additional refrigerant calculation		R=Basic Charge + Additional charge by the piping length + Additional charge by (A2A)Indoor Basic Charge : Up to 10m When Installing A2W only = 2600g Additional charge by the piping length : 3/8" - 50g/m, 1/4" - 20g/m Additional charge by (A2A)Indoor unit : Refer to the 113 page 'Amount of additional refrigerant for each indoor unit' table.			

5. Installation

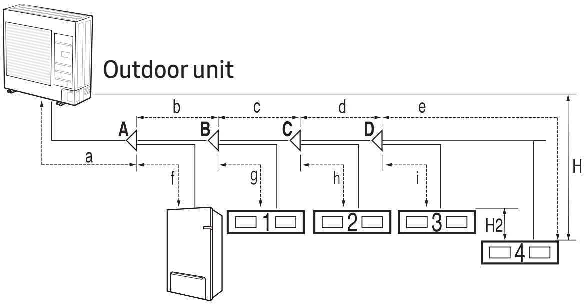
Outdoor Unit

- Amount of additional refrigerant for each indoor unit (Unit : kg)

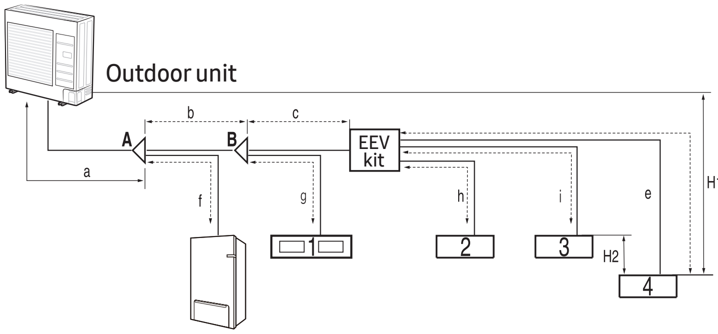
Model	Capacity[kW]	2.2	2.8	3.6	5.6	7.1	9.0
Slim Duct	Model name	AE022MNLDEH/EU	AE028MNLDEH/EU	AE036MNLDEH/EU	AE056MNLDEH/EU	-	-
	Refrigerant amount [kg]	0.17	0.17	0.26	0.35	-	-
MSP Duct	Model name	-	-	-	-	AE071MNMPEH/EU	AE090MNMPEH/EU
	Refrigerant amount [kg]	-	-	-	-	0.28	0.32
RAC (A3050)	Model name	AE022MNADEH/EU	AE028MNADEH/EU	AE036MNADEH/EU	AE056MNADEH/EU	AE071MNADEH/EU	-
	Refrigerant amount [kg]	0.22	0.25	0.34	0.71	0.71	-
Console	Model name	AE022MNJDEH/EU	AE028MNJDEH/EU	AE036MNJDEH/EU	AE056MNJDEH/EU	-	-
	Refrigerant amount [kg]	0.16	0.27	0.27	0.27	-	-

AE090MXTP✱H

Using only Y-joint



Using EEV kit



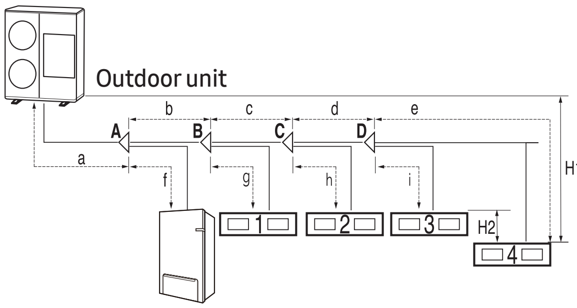
Item				Example	Remarks
Maximum allowable length of pipe	Outdoor unit ~ Indoor units	Longest piping length	Less than 30m	a+b+c+d+e ≤ 30m	
		Equivalent length	Less than 40m	Y-joint and EEV kit : 0.5m	
		Total length	Less than 75m	a+b+c+d+e+f+g+h+i ≤ 75m	5m ≤ Total length ≤ 75m
Maximum allowable height	Outdoor unit ~ Indoor units	Less than 20m		H1	If outdoor unit is located lower position H1 ≤15m
	Indoor unit ~ Indoor unit	Height difference between indoor units	Less than 7.5m	H2	
Maximum allowable length of pipe	First Y-joint ~ Last indoor unit	Actual piping length	Less than 20m	b+c+g ≤ 20 m (between first Y-joint and indoor unit) h ≤ 20 m (between EEV kit and indoor unit)	
Additional refrigerant calculation		R=Basic Charge + Additional charge by the piping length + Additional charge by (A2A)Indoor Basic Charge : Up to 10m When Installing A2W only = 2400g Additional charge by the piping length : 3/8" - 50g/m, 1/4" - 20g/m Additional charge by (A2A)Indoor unit : Refer to the above 'Amount of additional refrigerant for each indoor unit' table.			

- Contact the manufacturer if the length should exceed.

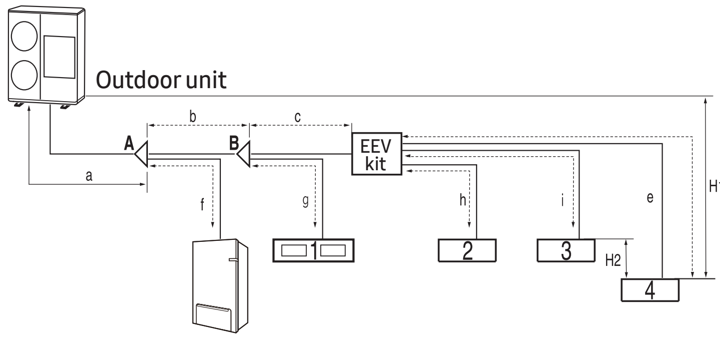
Outdoor Unit

AE120/160MXTP✱H

Using only Y-joint



Using EEV kit



Item				Example	Remarks
Maximum allowable length of pipe	Outdoor unit ~ Indoor units	Longest piping length	Less than 70m	a+b+c+d+e ≤ 70m	
		Equivalent length	Less than 85m	Y-joint and EEV kit : 0.5m	
		Total length	Less than 200m	a+b+c+d+e+f+g+h+i ≤ 200m	10m ≤ Total length ≤ 200m
Maximum allowable height	Outdoor unit ~ Indoor units	Less than 30m		H1	If outdoor unit is located lower position H1 ≤ 25m
	Indoor unit ~ Indoor unit	Height difference between indoor units	Less than 15m	H2	
Maximum allowable length of pipe	First Y-joint ~ Last indoor unit	Actual piping length	Less than 40m	b+c+d+e ≤ 40m (between first Y-joint and indoor unit) h≤20m(between EEV kit and indoor unit)	
Additional refrigerant calculation		R=Basic Charge + Additional charge by the piping length + Additional charge by (A2A)Indoor Basic Charge : Up to 10m When Installing A2W only = 3500g Additional charge by the piping length : 3/8" - 60g/m, 1/4" - 20g/m Additional charge by (A2A)Indoor : Refer to the 113 page 'Amount of additional refrigerant for each indoor unit' table.			

- Contact the manufacturer if the length should exceed.

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

- Please refer to the EEV Kit manual.

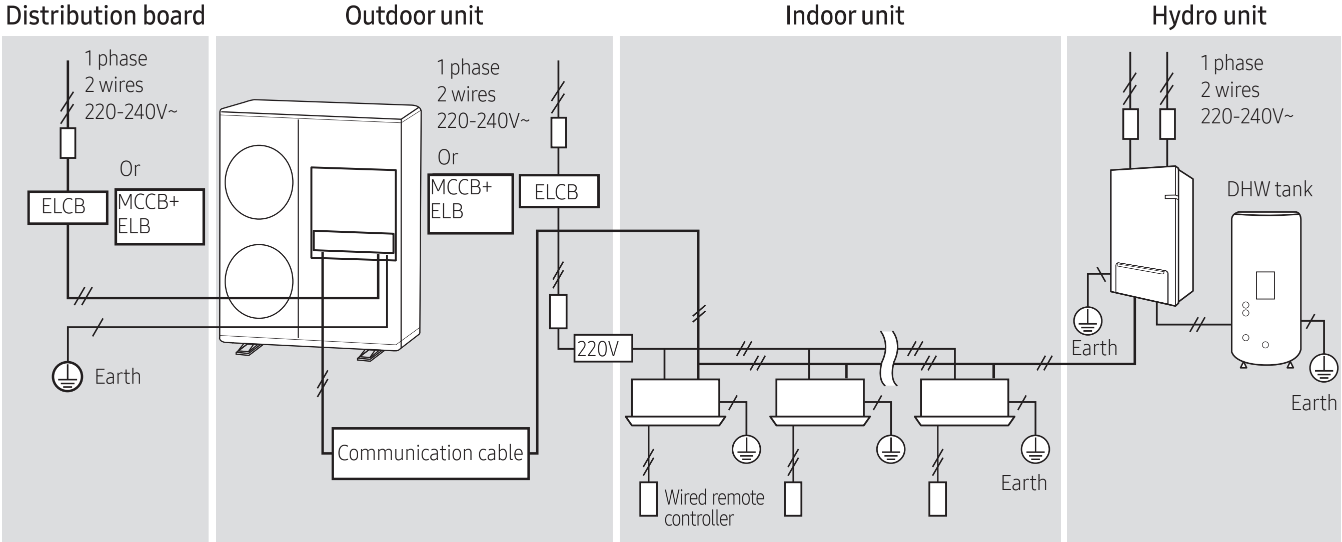
5. Installation

Outdoor Unit

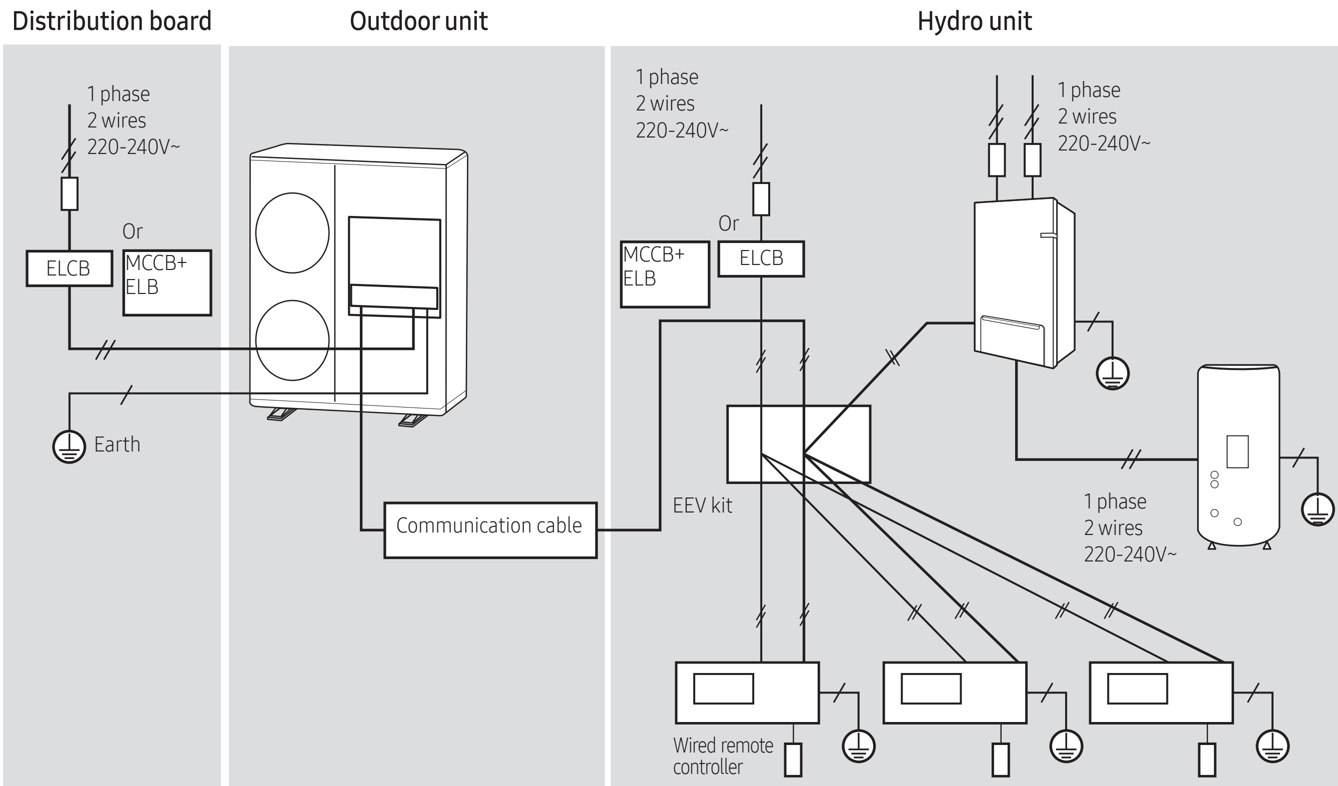
Electrical Connections

Overall System Configuration

Connection of the power cable (1 phase 2 wires)



Connection of the power cable (1 phase 2 wires using Electronic Expansion Valve kit)



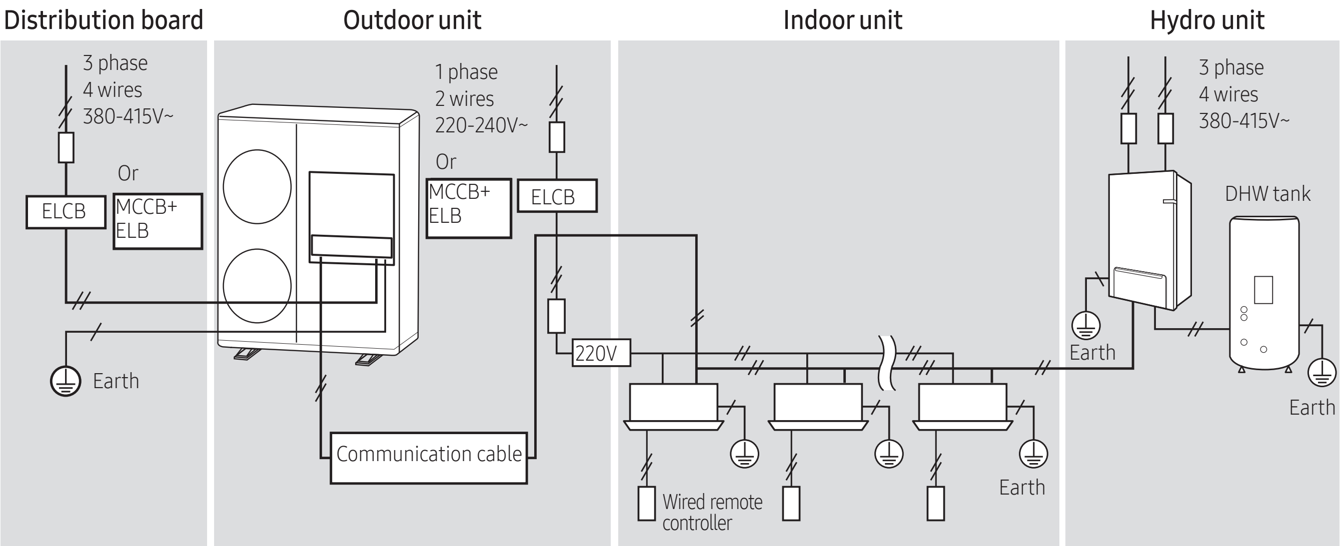
⚠ **CAUTION**

- Install cabinet panel near the outdoor unit for the convenience of service and emergency operation off.
- Make sure to install the circuit breaker with the over-current and electric leakage protection

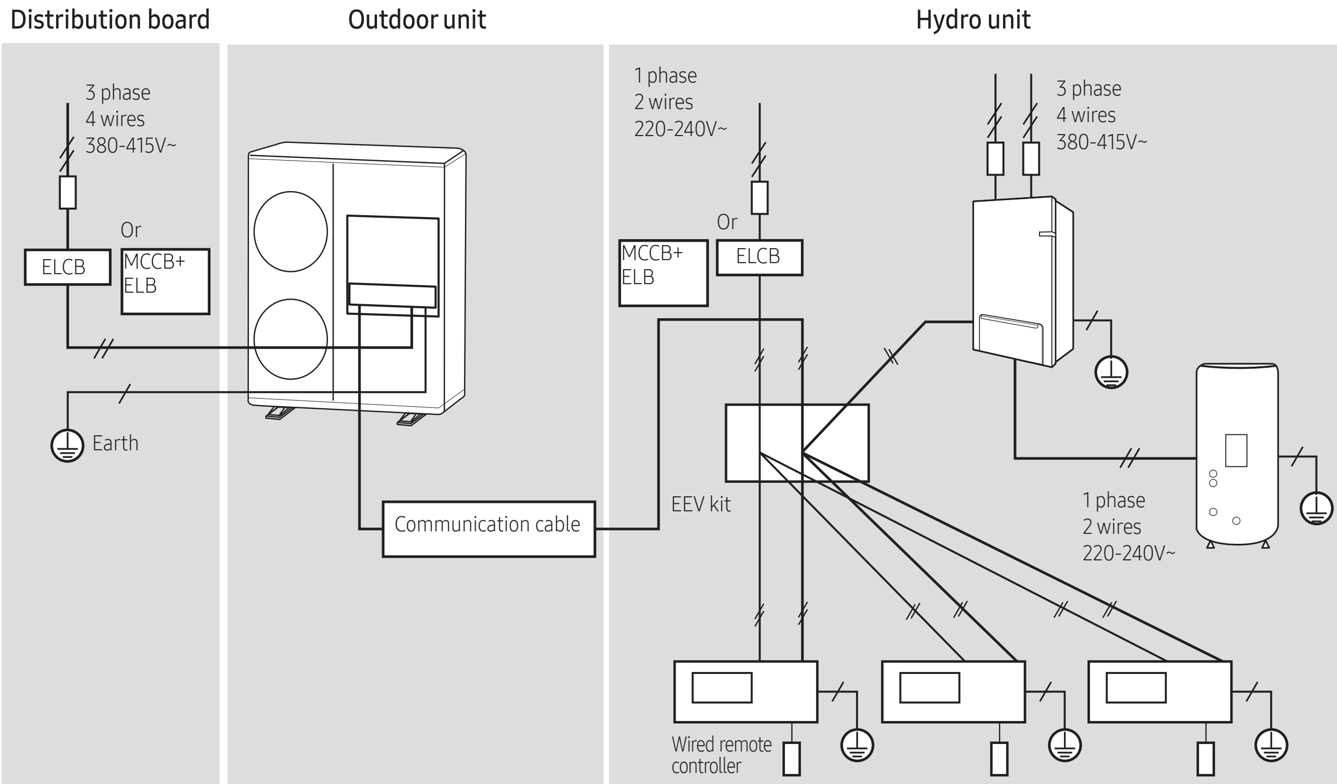
5. Installation

Outdoor Unit

Connection of the power cable (3 phase 4 wires)



Connection of the power cable (1 phase 2 wires using Electronic Expansion Valve kit)



⚠ CAUTION

- Install cabinet panel near the outdoor unit for the convenience of service and emergency operation off.
- Make sure to install the circuit breaker with the over-current and electric leakage protection.

5. Installation

Outdoor Unit

Specification of Electronic Wire of the Outdoor Unit

Outdoor unit	Power Supply		Voltage Range		MCA	MFA
	Hz	Volts	Min	Max	Max. Circuit Amps.	Max. Fuse Amps.
AE044MXTPEH	50	220-240	198	264	18.0	25.0
AE066MXTPEH			198	264	20.0	25.0
AE090MXTPEH			198	264	22.0	27.0
AE120MXTPEH			198	264	28.0	35.0
AE160MXTPEH			198	264	32.0	40.0
AE090MXTPGH	50	380-415	342	457	10.0	16.1
AE120MXTPGH			342	457	10.0	16.1
AE160MXTPGH			342	457	12.0	16.1

NOTE

- The power cable is not supplied with the Air to water heat pump.

NOTE

- Select the thickness and length of power cable less than 10% of voltage drop from input voltage.

⚠ CAUTION

- You should connect the power cable into the power cable terminal and fasten it with a clamp.
- To protect the product from water and possible shock, you should keep the power cable and the connection cord of the indoor and outdoor units in the iron pipe.
- Must keep the cable in a protection tube.
- Keep distances of 50mm or more between power cable and communication cable.
- Each indoor unit should be supplied between maximum and minimum voltage values (264V~198V).
- 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 , IEC:60245 IEC 66 / CENELEC: H07RN-F)

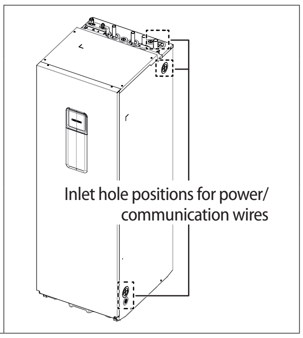
5. Installation

Hydro Unit

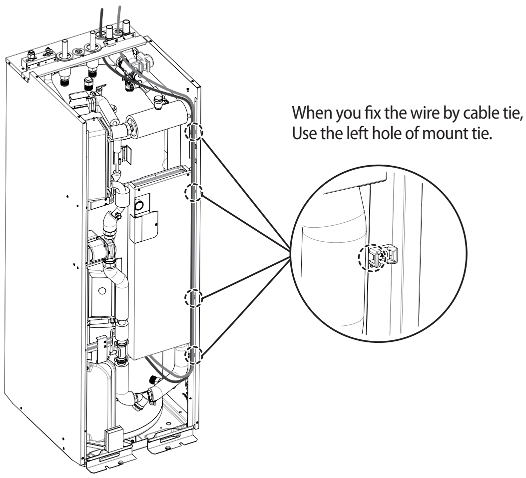
Wiring work

Connection of the power supply and communication cable

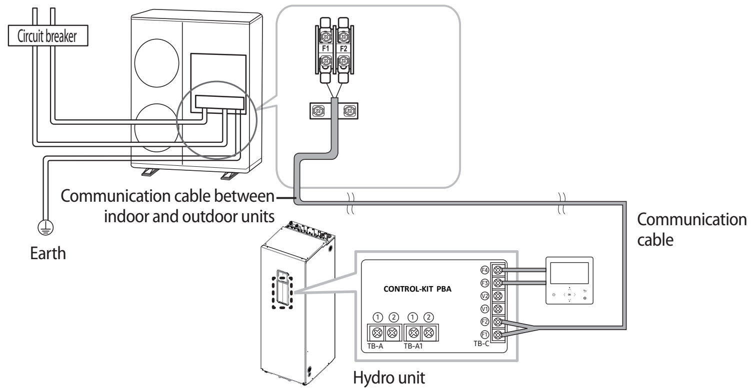
Model	Description	No. of wires	Max. A	Thickness	Supply Scope
AE***TNWTEH	1 Phase main power	2 + ground	22.7A	4.0mm² ↑ H05RN-F or H07RN-F	Field supply (220-240Vac, Input)
	Communication	2	0.1A	0.75mm² ↑ H05RN-F or H07RN-F	Field wiring (7Vdc, data)



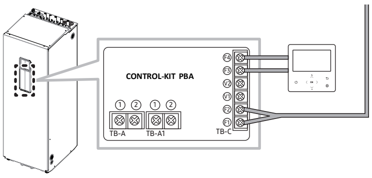
* When you use inlet hole through the cabinet top positions for power/communication wires, please fix the wire by using mount tie of the cabinet right.

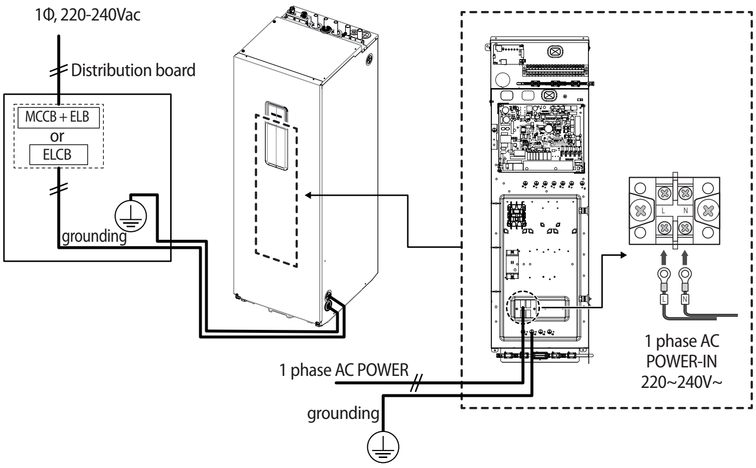


2 wires for communication cable



Communication cable connection





CAUTION

- If the supply cable is damaged, it must be replaced by a special cable or assembly available from the manufacturer or installer.
- Circuit Breaker (ELCB, ELB, MCCB etc.) for outdoor and indoor units shall be installed by installers because they are not sub-parts in the units. But you don't need to install for hydro unit (Built-in ELCB).
- It cause damage to chassis, PCB parts if the main power is not connected correctly. You should make certain that R, S, T is connected correctly before turning on the main power. (3 phase models only)

2020.03
Ver.1.0

Samsung Electronics Co., LTD.
Head Office (Suwon Korea) 129, Samsung-Ro, Yeongtong-Gu, Suwon City, Gyeonggi-Do, Korea 16677
Website : www.samsung.com, https://partnerhub.samsung.com Email : airconditioner@samsung.com