2. Outdoor Units

2-1. Specifications

Model Name	Indoor Unit					AE200DN*MPK/EU	AE200DN*MPK/EU	AE200DN*MPK/EU
	Outdoor Unit					AE080BXYDEG/EU	AE120BXYDEG/EU	AE140BXYDEG/EU
Power Supply					Φ, #, V, Hz	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
System	Mode				-	Heat Pump (A2W)	Heat Pump (A2W)	Heat Pump (A2W)
	Performance	Capacity	Heating	A2W Condition #1. (A7/W30-35)	W	8,000	12,000	14,000
					Btu/h	27,300	40,900	47,800
				A2W condition #2. (A7/W40-45)	W	8,000	12,000	14,000
				A2W condition #3. (A7/W47-55)		8,000	12,000	14,000
				A2/W35 4)*		8,000	12,000	14,000
				A-7/W35 4)*		8,000	12,000	14,000
			Cooling	A2W Condition #1. (A35/W23-18)	W	8,000	12,000	14,000
					Btu/h	27,300	40,900	47,800
				A2W condition #2. (A35/W12-7)	W	7,500	11,500	12,500
	Power	Power Input	Heating	A2W Condition #1. (A7/W30-35)	W	1,600	2,350	2,770
				A2W condition #2. (A7/W40-45)		2,051	3,000	3,544
				A2W condition #3. (A7/W47-55)		2,500	3,529	4,179
				A2/W35 4)*		1,818	2,791	3,333
				A-7/W35 4)*		2,462	3,810	4,516
			Cooling	A2W Condition #1. (A35/W23-18)	W	1,700	2,640	3,140
				A2W condition #2. (A35/W12-7)		2,273	3,594	3,968
		Current Input	Heating	A2W Condition #1.	A	7.56	11.12	13.10
			Cooling			8.04	12.46	14.87
			Heating	A2W condition #2	A	9.69	14.18	16.75
			Cooling			10.74	16.98	18.75
		Current	MCA		A	26.0	32.0	32.0
			MFA		A	28.6	35.2	35.2
	Efficiency	COP (Nominal Heating) A2W condition #1. (A7/W30-35)				5.00	5.11	5.05
		EER (Nominal Cooling) A2W condition #1. (A35/W23-18)				4.71	4.55	4.46
		EER (Nominal Cooling) A2W condition #2. (A35/W12-7)				3.30	3.20	3.15
		COP		A2W condition #2. (A7/W40-45)	W/W	3.90	4.00	3.95
				A2W condition #3. (A7/W47-55)		3.20	3.40	3.35
				A2/W35 4)*		4.40	4.30	4.20
				A-7/W35 4)*		3.25	3.15	3.10
		PdesignH (LWT 35°C)				9,500	12,600	13,600
		PdesignH (LWT 55°C)				9,500	12,600	13,600
		SCOP (35°C)				4.64	4.90	4.83
		SCOP (55°C)				3.38	3.78	3.75
		SCOP Class (35°C)				A+++	A+++	A+++
		SCOP Class (55°C)				A++	A++	A++
		SEER				4.75	5.00	5.00
	Water Connections	Water Flow Rate (Nominal)		Heating	LPM	23.1	34.6	40.4
				Cooling	LPM	23.1	34.6	40.4
		Water Flow Rate		Min	LPM	7	7	7
				Max	LPM	48	58	58
		Water Pressure (Max)			bar	3	3	3
		Water Pipe Type	threaded male	Inlet	Φ, mm	28	28	28
				Outlet	Φ, mm	28	28	28
		Leaving Water Temperature	Min.	Heating	°C	15	15	15
			Max.		°C	70	70	70
			Min.	Cooling	°C	5	5	5
			Max.		°C	25	25	25
	Refrigerant	Type			-	R32	R32	R32
		Factory Charging			kg	2.7	3.3	3.3
					tCO_2e	1.82	2.23	2.23
		Control Method			-	EEV	EEV	EEV
Outdoor Unit	Compressor	Type			-	Scroll	Scroll	Scroll
		Model Name			-	DS2BB5033FVA	DS2BB5033FVA	DS2BB5033FVA
		Oil		Type	-	POE(Kixx RF P85)	POE(Kixx RF P85)	POE(Kixx RF P85)
				Initial Charge	cc	1,100	1,100	1,100
		Quantity			EA	1	1	1
		Output			W	3,622	3,622	3,622
		Startingmethod			-	Inverter driven	Inverter driven	Inverter driven
		Motor	Crankcase heater	Output	W	-	-	-

2. Outdoor Units

2-1. Specifications

Model Name		Indoor Unit			AE200DN*MPK/EU	AE200DN*MPK/EU	AE200DN*MPK/EU
		Outdoor Unit			AE080BXYDEG/EU	AE120BXYDEG/EU	AE140BXYDEG/EU
Outdoor Unit	Heat exchanger	Length		mm	1,224/1,195	1,216/1,187/1,159	1,216/1,187/1,159
		Rows	Quantity	EA	2	3	3
		Fin pitch		mm	1.5	1.5	1.5
		Passes	Quantity	EA	8	11	11
		Face area		m²	1.15	1.15	1.15
		Stages	Quantity	EA	46	46	46
		Empty tubeplate hole	Quantity	EA	-	-	-
		Tube type		Φ	7	7	7
		Fin	Type	-	Corrugate	Corrugate	Corrugate
			Treatment	-	Anti Salt	Anti Salt	Anti Salt
	Fan	Type		-	Propeller Fan	Propeller Fan	Propeller Fan
		Discharge direction			Horizontal	Horizontal	Horizontal
		Air Flow Rate	Heating	m³/min	92	95	95
			Cooling	m³/min	85	90	90
		Quantity		EA	1	1	1
	Fan motor	Quantity		EA	1	1	1
		Model		-	SIC-88FWJ-F1122-1	SIC-88FWJ-F1122-1	SIC-88FWJ-F1122-1
		Output		W	122	122	122
		Drive		-	Direct drive	Direct drive	Direct drive
		Speed	Steps	-	-	-	-
			Heating	rpm	550	590	590
			Cooling	rpm	510	560	580
	Sound	Sound Pressure	Heating	dB(A)	42	46	47
			Cooling	dB(A)	42	46	47
			Night Mode(3m)	dB(A)	35	35	35
		Sound Power	Heating	dB(A)	56	59	60
			Cooling	dB(A)	56	59	60
	Connections	Water pipe	inlet	Φ, inch	BSPP male 1	BSPP male 1	BSPP male 1
			outlet	Φ, inch	BSPP male 1	BSPP male 1	BSPP male 1
	Casing	Color		-	Shadow Gray	Shadow Gray	Shadow Gray
		Material		-	GI-SGCC	GI-SGCC	GI-SGCC
	Packing	Material		-	EPS/BOX	EPS/BOX	EPS/BOX
		Weight		kg	20.0	20.0	20.0
	External Dimension	Net Weight		kg	126.0	137.0	137.0
		Shipping Weight		kg	146.0	157.0	157.0
		Net Dimensions(WxHxD)		mm	1,270 x 1,018 x 530	1,270 x 1,018 x 530	1,270 x 1,018 x 530
		Shipping Dimensions(WxHxD)		mm	1,330 x 1,226 x 630	1,330 x 1,226 x 630	1,330 x 1,226 x 630
	Operating Temp. Range	Heating		℃	-30 ~ 43	-30 ~ 43	-30 ~ 43
		Cooling		℃	10 ~ 46	10 ~ 46	10 ~ 46
		D.Hot Water		℃	-30 ~43	-30 ~43	-30 ~43

NOTE

- Specifications may be subject to change without prior notice.
  1) A2W Condition #1 : (Heating) Water In/Out 30℃/35℃, Outdoor Air 7℃[DB]/6℃[WB];
     (Cooling) Water In/Out 23℃/18℃, Outdoor Air 35℃[DB].
  2) A2W Condition #2 : (Heating) Water In/Out 40℃/45℃, Outdoor Air 7℃[DB]/6℃[WB];
     (Cooling) Water In/Out 12℃/7℃, Outdoor Air 35℃[DB].
  3) A2W Condition #3 : (Heating) Water In/Out 47℃/55℃, Outdoor Air 7℃[DB]/6℃[WB].
  4) A2W Condition : (A2W35) Water In/Out -/35℃, Outdoor Air 2℃[DB]/1℃[WB];
     (A-7/W35) Water In/Out -/35℃, Outdoor Air -7℃[DB]/-(※ Peak Capacity)
- Select wire size based on the value of MCA.
- Soundpressure 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 R32 (GWP=675) which is fluorinated greenhouse gas.

2. Outdoor Units

2-1. Specifications

Model Name	Indoor Unit					AE160DN*MPK/EU	AE160DN*MPK/EU	AE160DN*MPK/EU
	Outdoor Unit					AE080BXYDEG/EU	AE120BXYDEG/EU	AE140BXYDEG/EU
Power Supply					Φ, #, V, Hz	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
System	Mode				-	Heat Pump (A2W)	Heat Pump (A2W)	Heat Pump (A2W)
	Performance	Capacity	Heating	A2W Condition #1. (A7/W30-35)	W	8,000	12,000	14,000
					Btu/h	27,300	40,900	47,800
				A2W condition #2. (A7/W40-45)	W	8,000	12,000	14,000
				A2W condition #3. (A7/W47-55)		8,000	12,000	14,000
				A2/W35 4)*		8,000	12,000	14,000
				A-7/W35 4)*		8,000	12,000	14,000
			Cooling	A2W Condition #1. (A35/W23-18)	W	8,000	12,000	14,000
					Btu/h	27,300	40,900	47,800
				A2W condition #2. (A35/W12-7)	W	7,500	11,500	12,500
	Power	Power Input	Heating	A2W Condition #1. (A7/W30-35)	W	1,600	2,350	2,770
				A2W condition #2. (A7/W40-45)		2,051	3,000	3,544
				A2W condition #3. (A7/W47-55)		2,500	3,529	4,179
				A2/W35 4)*		1,818	2,791	3,333
				A-7/W35 4)*		2,462	3,810	4,516
			Cooling	A2W Condition #1. (A35/W23-18)	W	1,700	2,640	3,140
				A2W condition #2. (A35/W12-7)		2,273	3,594	3,968
		Current Input	Heating	A2W Condition #1.	A	7.56	11.12	13.10
			Cooling			8.04	12.46	14.87
			Heating	A2W condition #2	A	9.69	14.18	16.75
			Cooling			10.74	16.98	18.75
		Current	MCA		A	26.0	32.0	32.0
			MFA		A	28.6	35.2	35.2
	Efficiency	COP (Nominal Heating) A2W condition #1. (A7/W30-35)				5.00	5.11	5.05
		EER (Nominal Cooling) A2W condition #1. (A35/W23-18)				4.71	4.55	4.46
		EER (Nominal Cooling) A2W condition #2. (A35/W12-7)				3.30	3.20	3.15
		COP		A2W condition #2. (A7/W40-45)	W/W	3.90	4.00	3.95
				A2W condition #3. (A7/W47-55)		3.20	3.40	3.35
				A2/W35 4)*		4.40	4.30	4.20
				A-7/W35 4)*		3.25	3.15	3.10
		PdesignH (LWT 35°C)				9,500	12,600	13,600
		PdesignH (LWT 55°C)				9,500	12,600	13,600
		SCOP (35°C)				4.64	4.90	4.83
		SCOP (55°C)				3.38	3.78	3.75
		SCOP Class (35°C)				A+++	A+++	A+++
		SCOP Class (55°C)				A++	A++	A++
		SEER				4.75	5.00	5.00
	Water Connections	Water Flow Rate (Nominal)		Heating	LPM	23.1	34.6	40.4
				Cooling	LPM	23.1	34.6	40.4
		Water Flow Rate		Min	LPM	7	7	7
				Max	LPM	48	58	58
		Water Pressure (Max)			bar	3	3	3
		Water Pipe Type	threaded male	Inlet	Φ, mm	28	28	28
				Outlet	Φ, mm	28	28	28
		Leaving Water Temperature	Min.	Heating	°C	15	15	15
			Max.		°C	70	70	70
			Min.	Cooling	°C	5	5	5
			Max.		°C	25	25	25
	Refrigerant	Type			-	R32	R32	R32
		Factory Charging			kg	2.7	3.3	3.3
					tCO_2e	1.82	2.23	2.23
		Control Method			-	EEV	EEV	EEV
Outdoor Unit	Compressor	Type			-	Scroll	Scroll	Scroll
		Model Name			-	DS2BB5033FVA	DS2BB5033FVA	DS2BB5033FVA
		Oil		Type	-	POE(Kixx RF P85)	POE(Kixx RF P85)	POE(Kixx RF P85)
				Initial Charge	cc	1,100	1,100	1,100
		Quantity			EA	1	1	1
		Output			W	3,622	3,622	3,622
		Startingmethod			-	Inverter driven	Inverter driven	Inverter driven
		Motor	Crankcase heater	Output	W	-	-	-

2. Outdoor Units

2-1. Specifications

Model Name		Indoor Unit			AE160DN*MPK/EU	AE160DN*MPK/EU	AE160DN*MPK/EU
		Outdoor Unit			AE080BXYDEG/EU	AE120BXYDEG/EU	AE140BXYDEG/EU
Outdoor Unit	Heat exchanger	Length		mm	1,224/1,195	1,216/1,187/1,159	1,216/1,187/1,159
		Rows	Quantity	EA	2	3	3
		Fin pitch		mm	1.5	1.5	1.5
		Passes	Quantity	EA	8	11	11
		Face area		m²	1.15	1.15	1.15
		Stages	Quantity	EA	46	46	46
		Empty tubeplate hole	Quantity	EA	-	-	-
		Tube type		Φ	7	7	7
		Fin	Type	-	Corrugate	Corrugate	Corrugate
			Treatment	-	Anti Salt	Anti Salt	Anti Salt
	Fan	Type		-	Propeller Fan	Propeller Fan	Propeller Fan
		Discharge direction			Horizontal	Horizontal	Horizontal
		Air Flow Rate	Heating	m³/min	92	95	95
			Cooling	m³/min	85	90	90
		Quantity		EA	1	1	1
	Fan motor	Quantity		EA	1	1	1
		Model		-	SIC-88FWJ-F1122-1	SIC-88FWJ-F1122-1	SIC-88FWJ-F1122-1
		Output		W	122	122	122
		Drive		-	Direct drive	Direct drive	Direct drive
		Speed	Steps	-	-	-	-
			Heating	rpm	550	590	590
			Cooling	rpm	510	560	580
	Sound	Sound Pressure	Heating	dB(A)	42	46	47
			Cooling	dB(A)	42	46	47
			Night Mode(3m)	dB(A)	35	35	35
		Sound Power	Heating	dB(A)	56	59	60
			Cooling	dB(A)	56	59	60
	Connections	Water pipe	inlet	Φ, inch	BSPP male 1	BSPP male 1	BSPP male 1
			outlet	Φ, inch	BSPP male 1	BSPP male 1	BSPP male 1
	Casing	Color		-	Shadow Gray	Shadow Gray	Shadow Gray
		Material		-	GI-SGCC	GI-SGCC	GI-SGCC
	Packing	Material		-	EPS/BOX	EPS/BOX	EPS/BOX
		Weight		kg	20.0	20.0	20.0
	External Dimension	Net Weight		kg	126.0	137.0	137.0
		Shipping Weight		kg	146.0	157.0	157.0
		Net Dimensions(WxHxD)		mm	1,270 x 1,018 x 530	1,270 x 1,018 x 530	1,270 x 1,018 x 530
		Shipping Dimensions(WxHxD)		mm	1,330 x 1,226 x 630	1,330 x 1,226 x 630	1,330 x 1,226 x 630
	Operating Temp. Range	Heating		℃	-30 ~ 43	-30 ~ 43	-30 ~ 43
		Cooling		℃	10 ~ 46	10 ~ 46	10 ~ 46
		D.Hot Water		℃	-30 ~43	-30 ~43	-30 ~43

NOTE

- Specifications may be subject to change without prior notice.
  1) A2W Condition #1 : (Heating) Water In/Out 30℃/35℃, Outdoor Air 7℃[DB]/6℃[WB];
  (Cooling) Water In/Out 23℃/18℃, Outdoor Air 35℃[DB].
  2) A2W Condition #2 : (Heating) Water In/Out 40℃/45℃, Outdoor Air 7℃[DB]/6℃[WB];
  (Cooling) Water In/Out 12℃/7℃, Outdoor Air 35℃[DB].
  3) A2W Condition #3 : (Heating) Water In/Out 47℃/55℃, Outdoor Air 7℃[DB]/6℃[WB].
  4) A2W Condition : (A2W35) Water In/Out -/35℃, Outdoor Air 2℃[DB]/1℃[WB];
  (A-7/W35) Water In/Out -/35℃, Outdoor Air -7℃[DB]/-(※ Peak Capacity)
- Select wire size based on the value of MCA.
- Soundpressure 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 R32 (GWP=675) which is fluorinated greenhouse gas.

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
5.0	AE050CXYDEK/EU	1	2	50	220-240	198	264	6.05	4.63	16.1	17.6
8.0	AE080CXYDEK/EU	1	2	50	220-240	198	264	9.69	7.70	26.0	28.6
12.0	AE120CXYDEK/EU	1	2	50	220-240	198	264	14.18	11.81	32.0	35.2
16.0	AE160CXYDEK/EU	1	2	50	220-240	198	264	17.39	16.78	32.0	35.2
8.0	AE080CXYDGK/EU	3	4	50	380-415	342	457	3.22	2.56	16.1	17.7
12.0	AE120CXYDGK/EU	3	4	50	380-415	342	457	4.71	3.92	16.1	17.7
16.0	AE160CXYDGK/EU	3	4	50	380-415	342	457	5.77	5.57	16.1	17.7
8.0	AE080BXYDEG/EU	1	2	50	220-240	198	264	7.56	8.04	26.0	28.6
12.0	AE120BXYDEG/EU	1	2	50	220-240	198	264	11.12	12.46	32.0	35.2
14.0	AE140BXYDEG/EU	1	2	50	220-240	198	264	13.10	14.87	32.0	35.2
8.0	AE080BXYDGG/EU	3	4	50	380-415	342	457	2.51	2.67	16.1	17.7
12.0	AE120BXYDGG/EU	3	4	50	380-415	342	457	3.69	4.14	16.1	17.7
14.0	AE140BXYDGG/EU	3	4	50	380-415	342	457	4.35	4.94	16.1	17.7
5.0	AE050RXYDEG/EU	1	2	50	220~240	198	264	5.4	4.9	16.0	20.0
8.0	AE080RXYDEG/EU	1	2	50	220~240	198	264	9.1	8.5	22.0	27.5
12.0	AE120RXYDEG/EU	1	2	50	220~240	198	264	13.2	12.2	28.0	35.0
16.0	AE160RXYDEG/EU	1	2	50	220~240	198	264	15.7	17.0	32.0	40.0
8.0	AE080RXYDGG/EU	3	4	50	380~415	342	456	3.0	2.8	16.1	17.7
12.0	AE120RXYDGG/EU	3	4	50	380~415	342	456	4.4	4.1	16.1	17.7
16.0	AE160RXYDGG/EU	3	4	50	380~415	342	456	5.3	5.7	16.1	17.7

NOTE

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

2. Outdoor Units

2-6. Sound data

Summary

Capacity (kW)	Model	Sound Pressure dB(A)		Sound Power dB(A)	
		Heating	Cooling	Heating	Cooling
5.0	AE050CXYDEK/EU	41	41	55	55
8.0	AE080CXYDEK/EU	45	45	59	59
12.0	AE120CXYDEK/EU	47	47	60	60
16.0	AE160CXYDEK/EU	51	51	65	65
8.0	AE080CXYDGK/EU	45	45	59	59
12.0	AE120CXYDGK/EU	47	47	60	60
16.0	AE160CXYDGK/EU	51	51	65	65
8.0	AE080BXYDEG/EU	42	42	56	56
12.0	AE120BXYDEG/EU	46	46	59	59
14.0	AE140BXYDEG/EU	47	47	60	60
8.0	AE080BXYDGG/EU	42	42	56	56
12.0	AE120BXYDGG/EU	46	46	59	59
14.0	AE140BXYDGG/EU	47	47	60	60
5.0	AE050RXYDEG/EU	45	45	61	62
8.0	AE080RXYDEG/EU	48	48	63	64
12.0	AE120RXYDEG/EU	50	50	64	65
16.0	AE160RXYDEG/EU	52	54	66	68
8.0	AE080RXYDGG/EU	48	48	63	64
12.0	AE120RXYDGG/EU	50	50	64	65
16.0	AE160RXYDGG/EU	52	54	66	68

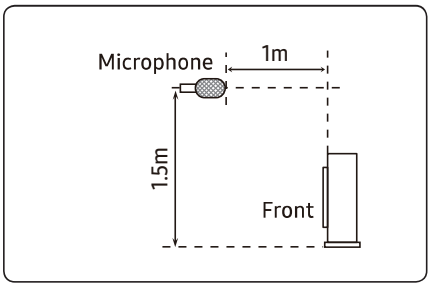
NOTE

- 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

2-6. Sound data

Sound Pressure level

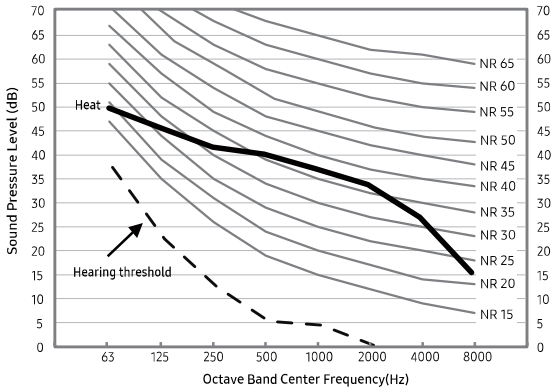


Unit: dB(A)

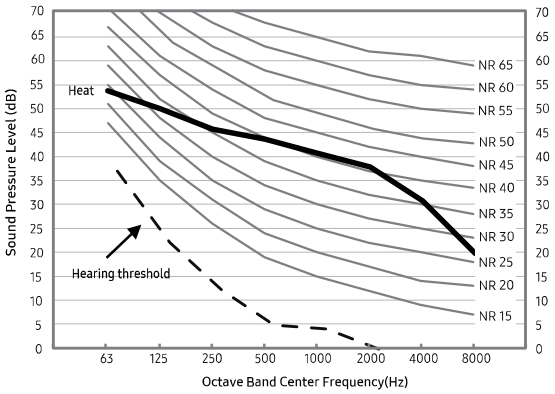
Model	Cooling	Heating
AE080BXYDEG/EU	42	42
AE120BXYDEG/EU	46	46
AE140BXYDEG/EU	47	47

- NR Curve

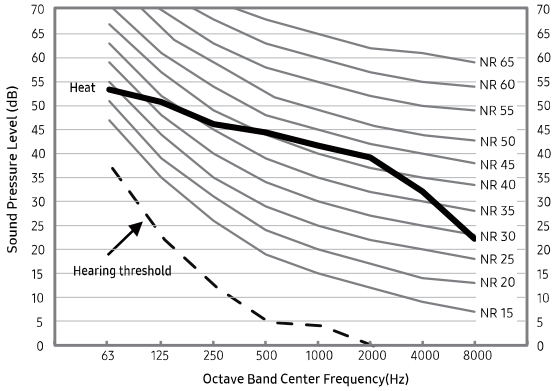
1) AE080BXYDEG/EU



2) AE120BXYDEG/EU



3) AE140BXYDEG/EU



2. Outdoor Units

2-6. Sound data

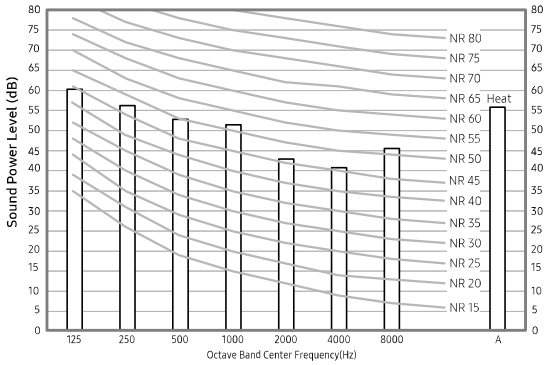
Sound Power level

NOTE

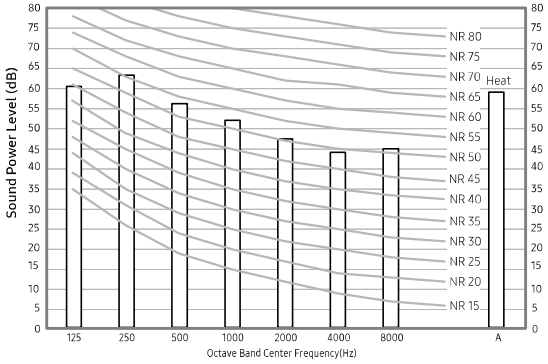
- Specifications may be subject to change without prior notice
  - Sound power level is an absolute value that a sound source generates.
  - dBA = A-weighted sound power level.
  - Reference power : 1pW.
  - Measured according to ISO 3741.

Model	Power (dBA)
AE080BXYDEG/EU	56
AE120BXYDEG/EU	59
AE140BXYDEG/EU	60

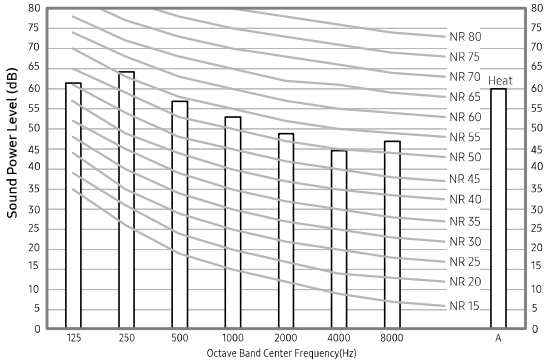
1) AE080BXYDEG/EU



2) AE120BXYDEG/EU



3) AE140BXYDEG/EU



2. Outdoor Units

2-9. Capacity table

EHS Mono HT Quiet

1) Maximum Heating Capacity (Peak Value)

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

	LWT (°C)	25			30			35			40			45			50			55			60			65			70		
	Tamb (°C)	HC (kW)	PI (kW)	WF (LPM)	HC (kW)	PI (kW)	WF (LPM)	HC (kW)	PI (kW)	WF (LPM)	HC (kW)	PI (kW)	WF (LPM)	HC (kW)	PI (kW)	WF (LPM)	HC (kW)	PI (kW)	WF (LPM)	HC (kW)	PI (kW)	WF (LPM)	HC (kW)	PI (kW)	WF (LPM)	HC (kW)	PI (kW)	WF (LPM)	HC (kW)	PI (kW)	WF (LPM)
AE080BXYDEG/EU	-30	5.82	2.53	16.7	5.89	2.80	17.0	5.96	3.14	17.2	6.22	3.48	18.0	6.48	3.88	18.7	6.74	4.19	19.5	6.92	4.43	12.5	6.94	4.69	12.6						
	-25	8.00	3.47	23.0	8.00	3.63	23.0	8.00	3.79	23.1	8.00	4.03	23.1	8.00	4.28	23.1	8.00	4.49	23.2	8.00	4.85	14.5	8.40	5.17	15.3	7.95	5.28	11.6			
	-20	8.00	3.05	23.0	8.00	3.20	23.0	8.00	3.39	23.1	8.00	3.59	23.1	8.00	3.84	23.1	8.00	4.09	23.2	8.00	4.31	14.5	9.11	5.13	16.6	8.75	5.26	12.7			
	-15	8.00	2.61	23.0	8.00	2.86	23.0	8.00	3.14	23.1	8.00	3.36	23.1	8.00	3.61	23.1	8.00	3.84	23.2	8.00	4.01	14.5	9.35	4.87	17.0	9.54	5.24	13.9	8.00	4.85	11.7
	-10	8.00	2.28	23.0	8.00	2.47	23.0	8.00	2.72	23.1	8.00	2.88	23.1	8.00	3.06	23.1	8.00	3.33	23.2	8.00	3.56	14.5	9.65	4.48	17.5	10.01	4.96	14.6	10.21	5.27	14.9
	-7	8.00	2.10	23.0	8.00	2.34	23.0	8.00	2.46	23.1	8.00	2.64	23.1	8.00	2.87	23.1	8.00	3.10	23.2	8.00	3.26	14.5	10.19	4.39	18.5	10.43	4.81	15.2	10.79	5.18	15.7
	-2	8.00	1.95	23.0	8.00	2.05	23.0	8.00	2.10	23.1	8.00	2.32	23.1	8.00	2.57	23.1	8.00	2.69	23.2	8.00	2.79	14.5	10.36	3.92	18.8	10.80	4.62	15.7	11.04	4.86	16.1
	2	8.00	1.62	23.0	8.00	1.72	23.0	8.00	1.82	23.1	8.00	2.01	23.1	8.00	2.26	23.1	8.00	2.44	23.2	8.00	2.58	14.5	10.11	3.57	18.4	10.63	4.21	15.5	11.01	4.75	16.1
	7	8.00	1.29	23.0	8.00	1.43	23.0	8.00	1.60	23.1	8.00	1.80	23.1	8.00	2.05	23.1	8.00	2.23	23.2	8.00	2.50	14.5	9.11	3.16	16.6	9.66	3.79	14.1	10.03	4.29	14.6
	12	8.92	1.18	25.7	8.95	1.35	25.8	8.98	1.57	25.9	9.02	1.80	26.1	9.05	2.11	26.2	9.08	2.38	26.3	9.11	2.71	16.5	9.57	3.11	17.4	10.08	3.72	14.7	10.43	4.25	15.2
	15	9.10	1.09	26.2	9.14	1.26	26.3	9.20	1.49	26.5	9.26	1.71	26.7	9.30	2.01	26.9	9.36	2.29	27.1	9.42	2.62	17.1	9.85	3.01	17.9	10.33	3.59	15.0	10.67	4.10	15.6
	20	9.39	0.99	27.0	9.48	1.14	27.3	9.57	1.34	27.6	9.66	1.50	27.9	9.74	1.77	28.2	9.83	2.08	28.5	9.91	2.46	18.0	10.31	2.82	18.7	10.76	3.38	15.7	11.08	4.04	16.2
	25	9.69	0.93	27.9	9.82	1.07	28.3	9.93	1.24	28.6	10.06	1.42	29.1	10.17	1.66	29.4	10.30	1.96	29.9	10.41	2.32	18.9	10.78	2.67	19.6	11.18	3.20	16.3	11.48	3.99	16.8
	30	9.99	0.93	28.7	10.15	1.06	29.2	10.30	1.23	29.7	10.45	1.37	30.2	10.60	1.55	30.7	10.76	1.83	31.2	10.91	2.17	19.8	11.24	2.49	20.4	11.59	3.01	16.9	11.88	3.79	17.3
	35	10.29	0.92	29.6	10.48	1.03	30.2	10.66	1.17	30.7	10.75	1.29	31.0	10.99	1.46	31.8	11.22	1.73	32.5	11.41	2.04	20.7	11.70	2.35	21.3	12.02	2.85	17.5	12.28	3.62	17.9
	43	10.8	0.92	31.0	11	1.01	31.7	11.3	1.11	32.4	11.5	1.24	33.2	11.7	1.41	33.9	12	1.65	34.7	12.2	1.93	22.1	12.5	2.23	22.6	12.7	2.72	18.5	12.9	3.33	18.9
AE120BXYDEG/EU	-30	7.76	3.45	22.3	7.85	3.83	22.6	7.95	4.30	22.9	8.29	4.78	23.9	8.64	5.30	25.0	8.99	5.74	26.1	9.23	6.07	16.7	9.26	6.41	16.8						
	-25	11.23	5.00	32.3	11.62	5.43	33.5	12.00	5.83	34.6	12.00	6.20	34.7	12.00	6.58	34.7	11.56	6.65	33.5	11.00	6.67	19.9	10.54	6.67	19.2	9.77	6.67	14.2			
	-20	11.88	4.62	34.2	11.95	4.90	34.4	12.00	5.23	34.6	12.00	5.55	34.7	12.00	5.90	34.7	12.00	6.29	34.8	12.00	6.61	21.8	11.47	6.67	20.8	10.76	6.66	15.7			
	-15	12.00	4.02	34.5	12.00	4.38	34.6	12.00	4.53	34.6	12.00	5.16	34.7	12.00	5.55	34.7	12.00	5.89	34.8	12.00	6.17	21.8	12.00	6.42	21.8	11.81	6.66	17.2	11.00	6.67	16.1
	-10	12.00	3.82	34.5	12.00	4.04	34.6	12.00	4.29	34.6	12.00	4.54	34.7	12.00	4.81	34.7	12.00	5.25	34.8	12.00	5.58	21.8	12.86	6.28	23.4	12.84	6.66	18.7	12.30	6.67	18.0
	-7	12.00	3.42	34.5	12.00	3.60	34.6	12.00	3.81	34.6	12.00	4.14	34.7	12.00	4.51	34.7	12.00	4.87	34.8	12.00	5.16	21.8	13.59	6.13	24.7	13.77	6.67	20.1	13.29	6.67	19.4
	-2	12.00	3.01	34.5	12.00	3.11	34.6	12.00	3.29	34.6	12.00	3.64	34.7	12.00	4.03	34.7	12.00	4.23	34.8	12.00	4.38	21.8	13.81	5.47	25.1	14.40	6.46	21.0	14.48	6.67	21.1
	2	12.00	2.45	34.5	12.00	2.62	34.6	12.00	2.79	34.6	12.00	3.15	34.7	12.00	3.55	34.7	12.00	3.83	34.8	12.00	4.06	21.8	13.48	4.98	24.5	14.18	5.87	20.6	14.68	6.27	21.4
	7	12.00	1.90	34.5	12.00	2.10	34.6	12.00	2.35	34.6	12.00	2.64	34.7	12.00	3.00	34.7	12.00	3.26	34.8	12.00	3.53	21.8	13.66	4.46	24.8	14.49	5.35	21.1	15.05	6.17	22.0
	12	13.38	1.73	38.5	13.42	1.98	38.6	13.47	2.30	38.8	13.52	2.64	39.0	13.57	3.08	39.3	13.62	3.48	39.5	13.67	3.83	24.8	14.35	4.40	26.1	15.12	5.25	22.0	15.65	6.01	22.8
	15	13.64	1.61	39.2	13.72	1.85	39.5	13.80	2.18	39.8	13.88	2.51	40.1	13.96	2.94	40.4	14.04	3.35	40.7	14.12	3.70	25.6	14.78	4.25	26.9	15.50	5.07	22.6	16.01	5.78	23.4
	20	14.09	1.45	40.5	14.22	1.67	40.9	14.35	1.96	41.4	14.48	2.21	41.8	14.61	2.59	42.3	14.74	3.04	42.7	14.87	3.47	27.0	15.47	3.98	28.1	16.14	4.77	23.5	16.62	5.71	24.3
	25	14.54	1.37	41.8	14.72	1.56	42.4	14.90	1.82	43.0	15.08	2.08	43.6	15.26	2.43	44.2	15.44	2.87	44.8	15.62	3.28	28.3	16.17	3.76	29.4	16.76	4.52	24.4	17.22	5.63	25.1
	30	14.99	1.36	43.1	15.22	1.55	43.8	15.44	1.80	44.5	15.67	2.01	45.3	15.90	2.27	46.0	16.14	2.68	46.8	16.37	3.06	29.7	16.86	3.52	30.6	17.39	4.24	25.3	17.82	5.35	26.0
	35	15.43	1.35	44.4	15.72	1.51	45.3	16.00	1.71	46.1	16.27	1.91	47.0	16.53	2.14	47.8	16.84	2.53	48.8	17.11	2.89	31.0	17.56	3.32	31.9	18.03	4.02	26.3	18.42	5.11	26.9
	43	16.2	1.35	46.4	16.5	1.48	47.5	16.9	1.63	48.6	17.2	1.83	49.8	17.6	2.06	50.9	18	2.41	52.0	18.3	2.72	33.2	18.7	3.14	33.9	19	3.83	27.7	19.4	4.7	28.3
AE140BXYDEG/EU	-30	8.46	3.82	24.3	8.57	4.24	24.7	8.67	4.75	25.0	9.05	5.27	26.1	9.42	5.87	27.3	9.80	6.35	28.4	10.07	6.71	18.3	10.10	7.09	18.4						
	-25	12.25	5.53	35.2	12.68	5.99	36.5	13.11	6.48	37.8	12.96	6.79	37.4	12.18	6.78	35.2	11.60	6.78	33.6	11.20	6.79	20.3	10.57	6.78	19.2	9.78	6.77	14.2			
	-20	12.96	5.13	37.3	13.42	5.59	38.6	13.87	6.11	40.0	13.94	6.52	40.2	13.60	6.78	39.3	12.74	6.79	36.9	12.12	6.79	22.0	11.54	6.78	21.0	10.88	6.79	15.8			
	-15	13.86	4.72	39.9	13.78	5.12	39.7	13.70	5.59	39.5	13.85	6.05	40.0	14.00	6.58	40.5	13.60	6.78	39.4	13.03	6.79	23.6	12.49	6.78	22.7	11.87	6.77	17.3	11.20	6.79	16.3
	-10	13.91	4.49	40.0	13.94	4.75	40.1	13.97	5.05	40.3	13.99	5.35	40.4	14.00	5.69	40.5	14.00	6.20	40.6	14.00	6.61	25.4	13.69	6.77	24.9	13.02	6.78	19.0	12.30	6.65	18.0
	-7	13.93	4.15	40.1	13.97	4.32	40.2	14.00	4.52	40.4	14.00	4.90	40.4	14.00	5.35	40.5	14.00	5.76	40.6	14.00	6.09	25.4	13.88	6.38	25.2	13.72	6.79	20.0	13.51	6.79	19.7
	-2	13.95	3.54	40.1	13.98	3.74	40.3	14.00	3.90	40.4	14.00	4.30	40.4	14.00	4.78	40.5	14.00	5.00	40.6	14.00	5.17	25.4	14.32	5.79	26.0	14.71	6.76	21.4	14.57	6.78	21.3
	2	13.96	2.73	40.1	13.98	3.00	40.3	14.00	3.33	40.4	14.00	3.72	40.4	14.00	4.20	40.5	14.00	4.54	40.6	14.00	4.81	25.4	14.60	5.45	26.5	15.36	6.44	22.4	15.21	6.73	22.2
	7	14.00	2.24	40.3	14.00	2.48	40.3	14.00	2.77	40.4	14.00	3.11	40.4	14.00	3.54	40.5	14.00	3.85	40.6	14.00	4.18	25.4	14.80	4.90	26.9	15.70	5.88	22.9	16.30	6.78	23.8
	12	14.49	1.89	41.7	14.54	2.17	41.9	14.59	2.52	42.1	14.65	2.89	42.3	14.70	3.38	42.5	14.76	3.82	42.8	14.81	4.21	26.9	15.55	4.83	28.3	16.38	5.77	23.9	16.95	6.61	24.7
	15	14.78	1.76	42.5	14.86	2.03	42.8	14.95	2.39	43.1	15.04	2.75	43.4	15.12	3.23	43.7	15.21	3.67	44.1	15.30	4.07	27.7	16.01	4.67	29.1	16.79	5.58	24.4	17.34	6.36	25.3
	20	15.26	1.59	43.9	15.40	1.83	44.3	15.55	2.15	44.8	15.69	2.42	45.3	15.83	2.84	45.8	15.97	3.34	46.3	16.11	3.81	29.2	16.76	4.38	30.5	17.48	5.24	25.5	18.00	6.27	26.3
	25	15.75	1.50	45.3	15.95	1.71	45.9	16.14	1.99	46.5	16.34	2.29	47.2	16.53	2.67	47.8	16.73	3.15	48.5	16.92	3.61	30.7	17.52	4.14	31.8	18.16	4.97	26.4	18.65	6.19	27.2
	30	16.24	1.49	46.7	16.49	1.70	47.5	16.73	1.98	48.2	16.98	2.21	49.0	17.23	2.49	49.9	17.48	2.94	50.7	17.73	3.37	32.2	18.27	3.87	33.2	18.84	4.66	27.4	19.30	5.88	28.2
	35	16.72	1.48	48.1	17.03	1.66	49.0	17.33	1.88	50.0	17.63	2.09	50.9	17.91	2.35	51.8	18.24	2.77	52.9	18.54	3.17	33.6	19.02	3.65	34.6	19.53	4.42	28.4	19.96	5.62	29.1
	43	17.5	1.48	50.3	17.9	1.62	51.5	18.3	1.79	52.7	18.7	2	53.9	19.1	2.26	55.1	19.5	2.64	56.4	19.8	3	36.0	20.2	3.46	36.8	20.6	4.21	30.0	21	5.16	30.7

1. Heating capacity
   - Capacity is according to EN14511.
   - Valid for heated water range (ΔT = Leaving water temperature - Entering water temperature)
   : If LWT≤50°C, ΔT=5°C or 50°C<LWT≤60°C , ΔT=8°C or LWT>60°C, ΔT=10°C, within the minimum ~ maximum water flow rate.
2. Cooling capacity
   - Capacity is according to EN14511
   - Valid for Cooling water range (ΔT =Entering water temperature - Leaving water temperature)
   : ΔT=5°C, within the minimum ~ maximum water flow rate.
3. Power input : Power input is according to EN1451
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

2-9. Capacity table

EHS Mono HT Quiet

2) Maximum Heating Capacity (Integrated Value)

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

	LWT (℃)	25			30			35			40			45			50			55			60			65			70		
	Tamb (℃)	HC (kW)	PI (kW)	WF (LPM)	HC (kW)	PI (kW)	WF (LPM)	HC (kW)	PI (kW)	WF (LPM)	HC (kW)	PI (kW)	WF (LPM)	HC (kW)	PI (kW)	WF (LPM)	HC (kW)	PI (kW)	WF (LPM)	HC (kW)	PI (kW)	WF (LPM)	HC (kW)	PI (kW)	WF (LPM)	HC (kW)	PI (kW)	WF (LPM)	HC (kW)	PI (kW)	WF (LPM)
AE080BXYDEG/EU	-30	5.82	2.53	16.7	5.89	2.80	17.0	5.96	3.14	17.2	6.22	3.48	18.0	6.48	3.88	18.7	6.74	4.19	19.5	6.92	4.43	12.5	6.94	4.69	12.6						
	-25	8.00	3.47	23.0	8.00	3.63	23.0	8.00	3.79	23.1	8.00	4.03	23.1	8.00	4.28	23.1	8.00	4.49	23.2	8.00	4.85	14.5	8.40	5.17	15.3	7.95	5.28	11.6			
	-20	8.00	3.05	23.0	8.00	3.20	23.0	8.00	3.39	23.1	8.00	3.59	23.1	8.00	3.84	23.1	8.00	4.09	23.2	8.00	4.31	14.5	9.11	5.13	16.6	8.75	5.26	12.7			
	-15	8.00	2.61	23.0	8.00	2.86	23.0	8.00	3.14	23.1	8.00	3.36	23.1	8.00	3.61	23.1	8.00	3.84	23.2	8.00	4.01	14.5	9.35	4.87	17.0	9.54	5.24	13.9	8.00	4.85	11.7
	-10	7.95	2.34	22.9	7.95	2.50	22.9	8.00	2.72	23.1	8.00	2.88	23.1	8.00	3.06	23.1	8.00	3.33	23.2	8.00	3.56	14.5	9.56	4.44	17.4	9.95	4.93	14.5	9.57	4.94	14.0
	-7	7.96	2.18	22.9	7.96	2.33	22.9	7.96	2.54	23.0	7.96	2.77	23.0	7.96	2.95	23.0	7.96	3.18	23.1	8.00	3.26	14.5	9.98	4.29	18.1	9.98	4.60	14.5	9.68	4.65	14.1
	-2	7.97	2.07	22.9	7.97	2.22	22.9	7.97	2.41	23.0	7.97	2.63	23.0	7.97	2.79	23.1	7.97	2.94	23.1	7.98	3.06	14.5	9.90	4.20	18.0	9.79	4.48	14.3	9.64	4.55	14.1
	2	7.98	1.59	23.0	7.98	1.77	23.0	7.98	2.01	23.0	7.98	2.22	23.0	7.98	2.49	23.1	7.98	2.64	23.1	7.98	2.76	14.5	9.41	3.60	17.1	9.49	4.10	13.8	9.35	4.23	13.6
	7	8.00	1.29	23.0	8.00	1.43	23.0	8.00	1.60	23.1	8.00	1.80	23.1	8.00	2.05	23.1	8.00	2.23	23.2	8.00	2.50	14.5	9.11	3.16	16.6	9.66	3.79	14.1	10.03	4.37	14.6
	12	8.92	1.18	25.7	8.95	1.35	25.8	8.98	1.57	25.9	9.02	1.80	26.1	9.05	2.11	26.2	9.08	2.38	26.3	9.11	2.71	16.5	9.57	3.11	17.4	10.08	3.72	14.7	10.43	4.26	15.2
	15	9.10	1.09	26.2	9.14	1.26	26.3	9.20	1.49	26.5	9.26	1.71	26.7	9.30	2.01	26.9	9.36	2.29	27.1	9.42	2.62	17.1	9.85	3.01	17.9	10.33	3.59	15.0	10.67	4.10	15.6
	20	9.39	0.99	27.0	9.48	1.14	27.3	9.57	1.34	27.6	9.66	1.50	27.9	9.74	1.77	28.2	9.83	2.08	28.5	9.91	2.46	18.0	10.31	2.82	18.7	10.76	3.38	15.7	11.08	4.04	16.2
	25	9.69	0.93	27.9	9.82	1.07	28.3	9.93	1.24	28.6	10.06	1.42	29.1	10.17	1.66	29.4	10.30	1.96	29.9	10.41	2.32	18.9	10.78	2.67	19.6	11.18	3.20	16.3	11.48	3.99	16.8
	30	9.99	0.93	28.7	10.15	1.06	29.2	10.30	1.23	29.7	10.45	1.37	30.2	10.60	1.55	30.7	10.76	1.83	31.2	10.91	2.17	19.8	11.24	2.49	20.4	11.59	3.01	16.9	11.88	3.79	17.3
	35	10.29	0.92	29.6	10.48	1.03	30.2	10.66	1.17	30.7	10.75	1.29	31.0	10.99	1.46	31.8	11.22	1.73	32.5	11.41	2.04	20.7	11.70	2.35	21.3	12.02	2.85	17.5	12.28	3.62	17.9
	43	10.8	0.92	31.0	11	1.01	31.7	11.3	1.11	32.4	11.5	1.24	33.2	11.7	1.41	33.9	12	1.65	34.7	12.2	1.93	22.1	12.5	2.23	22.6	12.7	2.72	18.5	12.9	3.33	18.9
AE120BXYDEG/EU	LWT (℃)	25			30			35			40			45			50			55			60			65			70		
	Tamb (℃)	HC (kW)	PI (kW)	WF (LPM)	HC (kW)	PI (kW)	WF (LPM)	HC (kW)	PI (kW)	WF (LPM)	HC (kW)	PI (kW)	WF (LPM)	HC (kW)	PI (kW)	WF (LPM)	HC (kW)	PI (kW)	WF (LPM)	HC (kW)	PI (kW)	WF (LPM)	HC (kW)	PI (kW)	WF (LPM)	HC (kW)	PI (kW)	WF (LPM)	HC (kW)	PI (kW)	WF (LPM)
	-30	7.76	3.45	22.3	7.85	3.83	22.6	7.95	4.30	22.9	8.29	4.78	23.9	8.64	5.30	25.0	8.99	5.74	26.1	9.23	6.07	16.7	9.26	6.41	16.8						
	-25	11.23	5.00	32.3	11.62	5.43	33.5	12.00	5.83	34.6	12.00	6.20	34.7	12.00	6.58	34.7	11.56	6.65	33.5	11.00	6.67	19.9	10.54	6.67	19.2	9.77	6.67	14.2			
	-20	11.88	4.62	34.2	11.95	4.90	34.4	12.00	5.23	34.6	12.00	5.55	34.7	12.00	5.90	34.7	12.00	6.29	34.8	12.00	6.61	21.8	11.47	6.67	20.8	10.76	6.66	15.7			
	-15	12.00	4.23	34.5	12.00	4.53	34.6	12.00	4.83	34.6	12.00	5.23	34.7	12.00	5.63	34.7	12.00	5.93	34.8	12.00	6.28	21.8	12.00	6.57	21.8	11.53	6.66	16.8	11.00	6.67	16.1
	-10	11.43	3.96	32.9	11.96	4.43	34.4	11.94	4.77	34.4	11.94	5.14	34.5	11.94	5.57	34.5	11.94	5.90	34.6	11.94	6.15	21.7	11.72	6.33	21.3	10.94	6.26	15.9	10.71	6.42	15.6
	-7	11.93	3.85	34.3	11.85	4.10	34.1	11.95	4.47	34.5	11.95	4.86	34.5	11.95	5.32	34.6	11.95	5.75	34.6	11.95	6.07	21.7	11.65	6.13	21.2	11.18	6.16	16.3	11.06	6.40	16.1
	-2	11.26	3.45	32.4	11.53	3.79	33.2	11.97	4.23	34.5	11.97	4.62	34.6	11.97	5.10	34.6	11.97	5.26	34.7	11.97	5.37	21.7	12.62	6.10	22.9	11.54	6.17	16.8	11.45	6.40	16.7
	2	10.63	2.50	30.6	10.81	2.83	31.1	11.96	3.53	34.5	11.96	3.90	34.5	11.96	4.36	34.6	11.96	4.62	34.7	11.96	4.84	21.7	12.55	5.47	22.8	12.37	5.99	18.0	11.92	6.02	17.4
	7	12.00	1.90	34.5	12.00	2.10	34.6	12.00	2.35	34.6	12.00	2.64	34.7	12.00	3.00	34.7	12.00	3.26	34.8	12.00	3.53	21.8	13.66	4.46	24.8	14.49	5.35	21.1	15.05	6.17	22.0
	12	13.38	1.73	38.5	13.42	1.98	38.6	13.47	2.30	38.8	13.52	2.64	39.0	13.57	3.08	39.3	13.62	3.48	39.5	13.67	3.83	24.8	14.35	4.40	26.1	15.12	5.25	22.0	15.65	6.01	22.8
	15	13.64	1.61	39.2	13.72	1.85	39.5	13.80	2.18	39.8	13.88	2.51	40.1	13.96	2.94	40.4	14.04	3.35	40.7	14.12	3.70	25.6	14.78	4.25	26.9	15.50	5.07	22.6	16.01	5.78	23.4
	20	14.09	1.45	40.5	14.22	1.67	40.9	14.35	1.96	41.4	14.48	2.21	41.8	14.61	2.59	42.3	14.74	3.04	42.7	14.87	3.47	27.0	15.47	3.98	28.1	16.14	4.77	23.5	16.62	5.71	24.3
	25	14.54	1.37	41.8	14.72	1.56	42.4	14.90	1.82	43.0	15.08	2.08	43.6	15.26	2.43	44.2	15.44	2.87	44.8	15.62	3.28	28.3	16.17	3.76	29.4	16.76	4.52	24.4	17.22	5.63	25.1
	30	14.99	1.36	43.1	15.22	1.55	43.8	15.44	1.80	44.5	15.67	2.01	45.3	15.90	2.27	46.0	16.14	2.68	46.8	16.37	3.06	29.7	16.86	3.52	30.6	17.39	4.24	25.3	17.82	5.35	26.0
	35	15.43	1.35	44.4	15.72	1.51	45.3	16.00	1.71	46.1	16.27	1.91	47.0	16.53	2.14	47.8	16.84	2.53	48.8	17.11	2.89	31.0	17.56	3.32	31.9	18.03	4.02	26.3	18.42	5.11	26.9
	43	16.2	1.35	46.4	16.5	1.48	47.5	16.9	1.63	48.6	17.2	1.83	49.8	17.6	2.06	50.9	18	2.41	52.0	18.3	2.72	33.2	18.7	3.14	33.9	19	3.83	27.7	19.4	4.7	28.3
AE140BXYDEG/EU	LWT (℃)	25			30			35			40			45			50			55			60			65			70		
	Tamb (℃)	HC (kW)	PI (kW)	WF (LPM)	HC (kW)	PI (kW)	WF (LPM)	HC (kW)	PI (kW)	WF (LPM)	HC (kW)	PI (kW)	WF (LPM)	HC (kW)	PI (kW)	WF (LPM)	HC (kW)	PI (kW)	WF (LPM)	HC (kW)	PI (kW)	WF (LPM)	HC (kW)	PI (kW)	WF (LPM)	HC (kW)	PI (kW)	WF (LPM)	HC (kW)	PI (kW)	WF (LPM)
	-30	8.46	3.82	24.3	8.57	4.24	24.7	8.67	4.75	25.0	9.05	5.27	26.1	9.42	5.87	27.3	9.80	6.35	28.4	10.07	6.71	18.3	9.62	6.75	17.5						
	-25	12.25	5.53	35.2	12.68	5.99	36.5	13.11	6.48	37.8	12.96	6.79	37.4	12.18	6.78	35.2	11.60	6.78	33.6	11.20	6.79	20.3	10.57	6.78	19.2	9.78	6.77	14.2			
	-20	12.96	5.13	37.3	13.42	5.59	38.6	13.87	6.11	40.0	13.94	6.52	40.2	13.60	6.78	39.3	12.74	6.79	36.9	12.12	6.79	22.0	11.54	6.78	21.0	10.88	6.79	15.8			
	-15	13.86	4.91	39.9	13.78	5.23	39.7	13.70	5.59	39.5	13.85	6.10	40.0	14.00	6.67	40.5	13.45	6.78	39.0	12.95	6.79	23.5	12.49	6.78	22.7	11.64	6.77	16.9	11.20	6.79	16.3
	-10	12.00	4.20	34.5	12.56	4.70	36.1	13.11	5.29	37.8	13.45	5.85	38.8	13.79	6.51	39.9	12.95	6.47	37.5	12.42	6.47	22.5	12.32	6.59	22.4	11.12	6.43	16.2	11.01	6.62	16.1
	-7	12.53	4.08	36.0	12.87	4.50	37.0	13.20	4.98	38.1	13.55	5.56	39.1	13.89	6.25	40.2	13.21	6.41	38.3	12.45	6.39	22.6	12.23	6.47	22.2	11.74	6.54	17.1	11.60	6.62	16.9
	-2	11.82	3.67	34.0	12.11	4.02	34.9	12.40	4.42	35.8	12.74	4.96	36.8	13.07	5.62	37.8	13.61	6.03	39.4	13.98	6.48	25.4	13.25	6.47	24.1	12.12	6.51	17.6	11.85	6.49	17.3
	2	11.52	2.73	33.1	11.71	3.09	33.7	11.90	3.55	34.3	12.42	4.09	35.9	12.94	4.76	37.4	13.27	5.18	38.5	13.50	5.51	24.5	13.59	5.99	24.7	13.40	6.56	19.5	12.91	6.79	18.9
	7	14.00	2.24	40.3	14.00	2.48	40.3	14.00	2.77	40.4	14.00	3.11	40.4	14.00	3.54	40.5	14.00	3.85	40.6	14.00	4.18	25.4	14.80	4.90	26.9	15.70	5.88	22.9	16.30	6.78	23.8
	12	14.49	1.89	41.7	14.54	2.17	41.9	14.59	2.52	42.1	14.65	2.89	42.3	14.70	3.38	42.5	14.76	3.82	42.8	14.81	4.21	26.9	15.55	4.83	28.3	16.38	5.77	23.9	16.95	6.61	24.7
	15	14.78	1.76	42.5	14.86	2.03	42.8	14.95	2.39	43.1	15.04	2.75	43.4	15.12	3.23	43.7	15.21	3.67	44.1	15.30	4.07	27.7	16.01	4.67	29.1	16.79	5.58	24.4	17.34	6.36	25.3
	20	15.26	1.59	43.9	15.40	1.83	44.3	15.55	2.15	44.8	15.69	2.42	45.3	15.83	2.84	45.8	15.97	3.34	46.3	16.11	3.81	29.2	16.76	4.38	30.5	17.48	5.24	25.5	18.00	6.27	26.3
	25	15.75	1.50	45.3	15.95	1.71	45.9	16.14	1.99	46.5	16.34	2.29	47.2	16.53	2.67	47.8	16.73	3.15	48.5	16.92	3.61	30.7	17.52	4.14	31.8	18.16	4.97	26.4	18.65	6.19	27.2
	30	16.24	1.49	46.7	16.49	1.70	47.5	16.73	1.98	48.2	16.98	2.21	49.0	17.23	2.49	49.9	17.48	2.94	50.7	17.73	3.37	32.2	18.27	3.87	33.2	18.84	4.66	27.4	19.30	5.88	28.2
	35	16.72	1.48	48.1	17.03	1.66	49.0	17.33	1.88	50.0	17.63	2.09	50.9	17.91	2.35	51.8	18.24	2.77	52.9	18.54	3.17	33.6	19.02	3.65	34.6	19.53	4.42	28.4	19.96	5.62	29.1
	43	17.5	1.48	50.3	17.9	1.62	51.5	18.3	1.79	52.7	18.7	2	53.9	19.1	2.26	55.1	19.5	2.64	56.4	19.8	3	36.0	20.2	3.46	36.8	20.6	4.21	30.0	21	5.16	30.7

1. Heating capacity
   - Capacity is according to EN14511.
   - Valid for heated water range (ΔT = Leaving water temperature - Entering water temperature)
   : If LWT≤50℃, ΔT=5℃ or 50℃<LWT≤60℃ , ΔT=8℃ or LWT>60℃, ΔT=10℃, within the minimum ~ maximum water flow rate.
2. Cooling capacity
   - Capacity is according to EN14511
   - Valid for Cooling water range (ΔT =Entering water temperature - Leaving water temperature)
   : ΔT=5℃, within the minimum ~ maximum water flow rate.
3. Power input : Power input is according to EN1451
4. Peak value : Tested without defrost operation in accordance with EN14511.

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