3. Hydro Units

3-1. Specifications

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)		℃	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	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

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

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

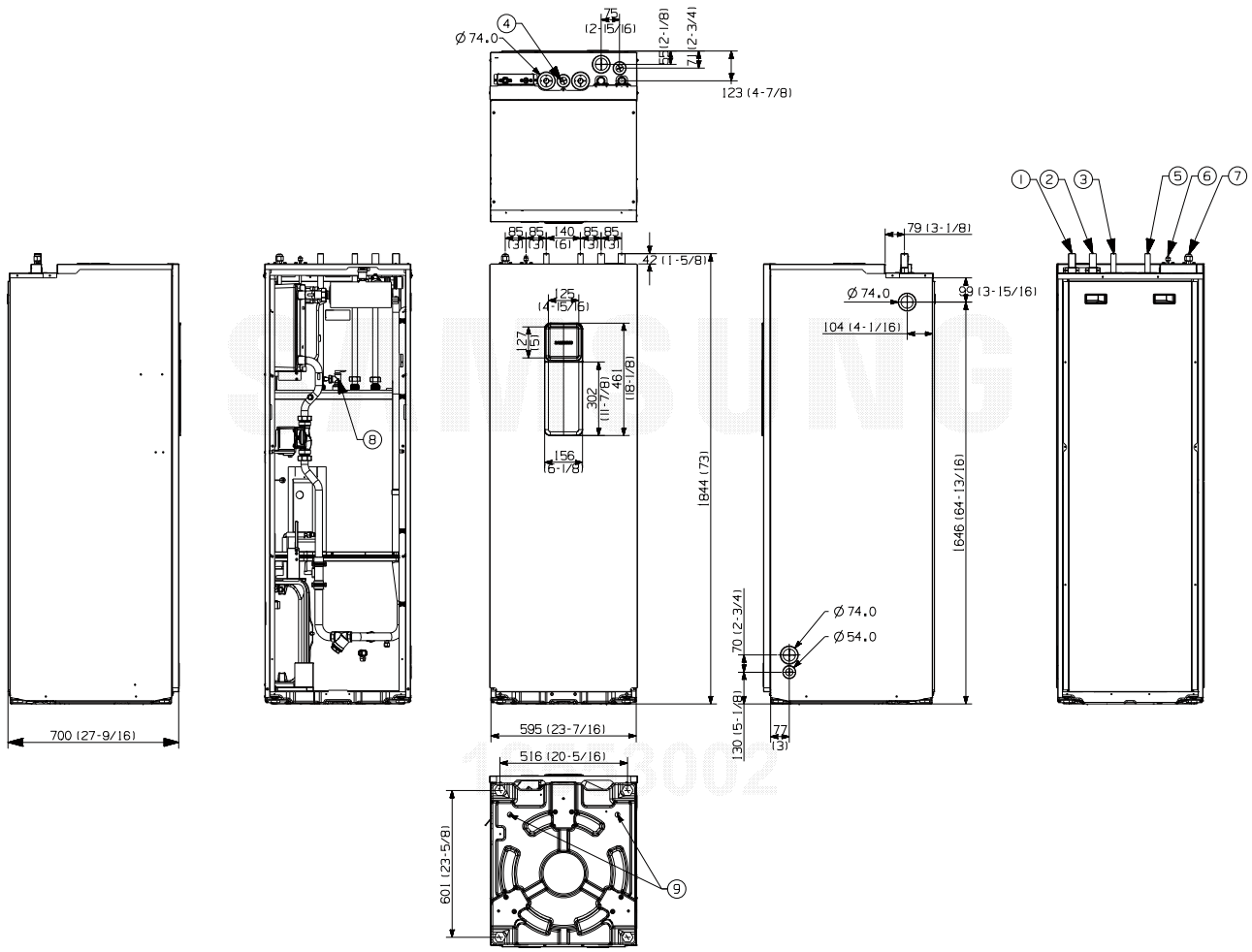
- Specifications may be subject to change without prior notice.

3. Hydro Units

3-2. Dimensional drawing

AE200TNWTEH/EU, AE260TNWTEH/EU

Unit : mm

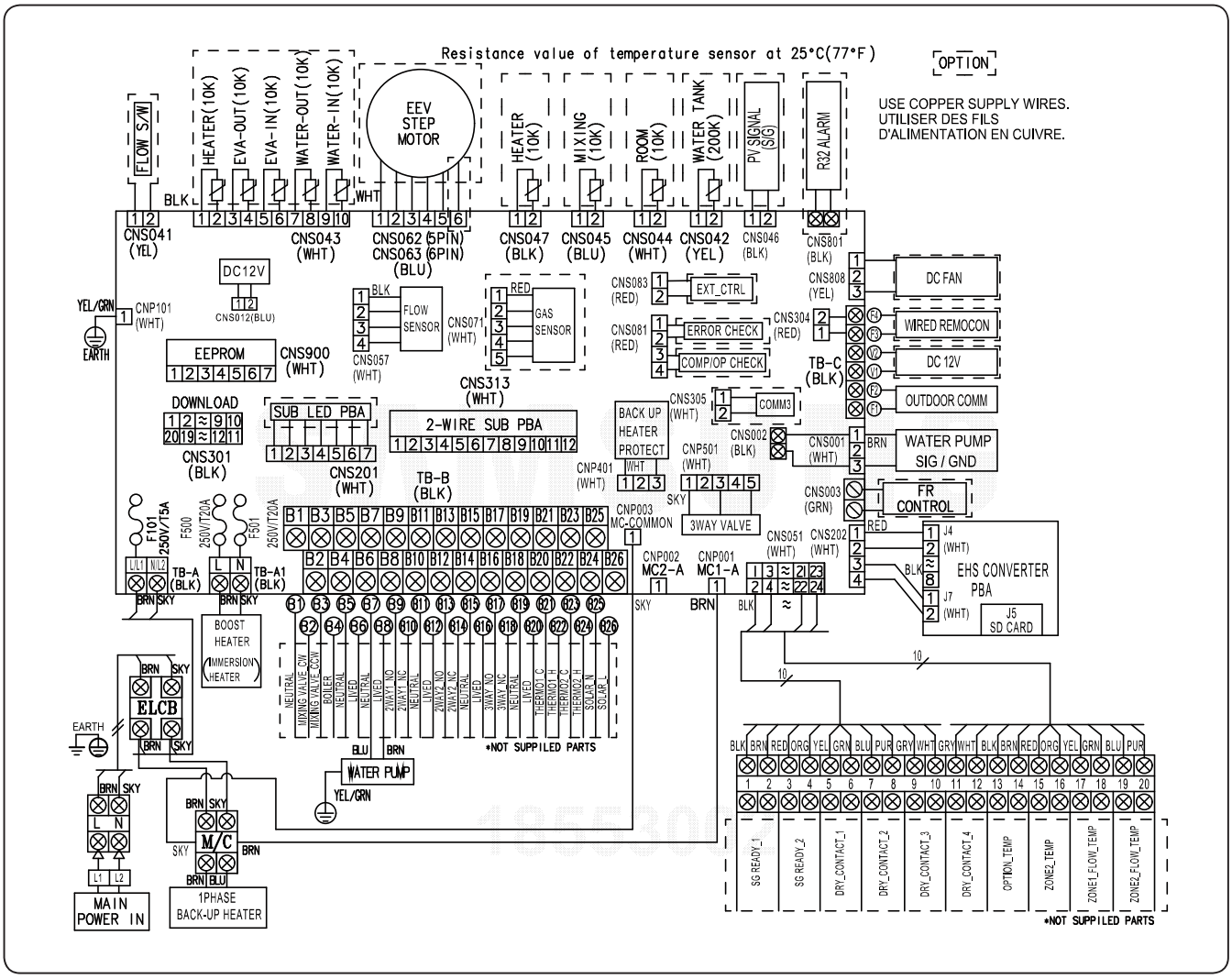


NO	Name	Description	
		AE200TNWTEH/EU	AE260TNWTEH/EU
1	Space heating Inlet	Ø28	Ø28
2	Space heating Outlet	Ø28	Ø28
3	DHW Inlet	Ø22	Ø22
4	Secondary water return	N/A	Ø22
5	DHW Outlet	Ø22	Ø22
6	Refrigerant liquid pipe	Ø9.52	Ø9.52
7	Refrigerant Gas pipe	Ø15.88	Ø15.88
8	T/P v/v	Female PT 1/2"	Female PT 1/2"
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

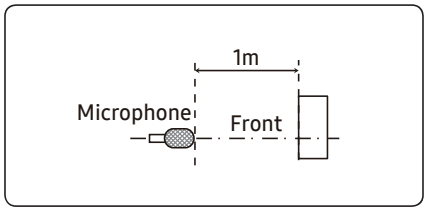
NOTE

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. Hydro Units

3-4. Sound data

Sound Pressure level

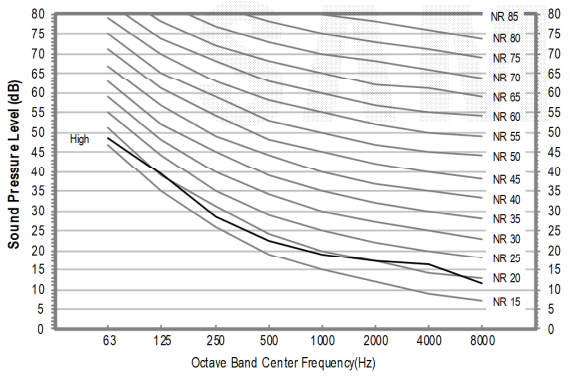


Unit: dB(A)

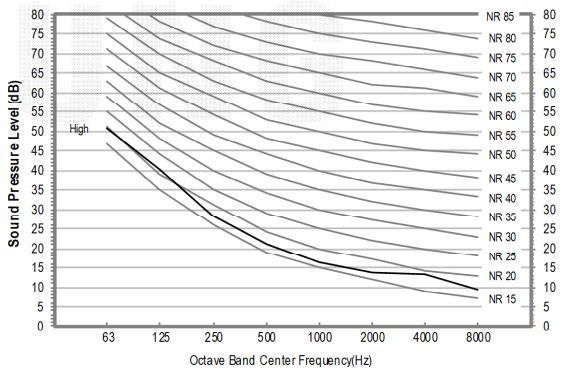
Model	Cooling	Heating
AE200TNWTEH/EU+AE044MXTPEH/EU	29	29
AE200TNWTEH/EU+AE066MXTPEH/EU	29	29
AE200TNWTEH/EU+AE090MXTPEH/EU	29	29
AE200TNWTEH/EU+AE090MXTPGH/EU	29	29

- NR Curve

1) AE200TNWTEH/EU+AE044MXTPEH/EU



2) AE200TNWTEH/EU+AE066MXTPEH/EU



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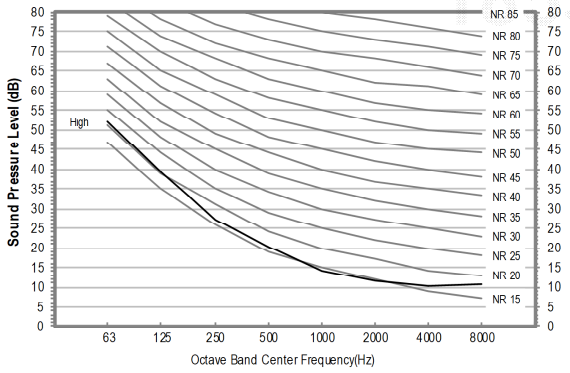
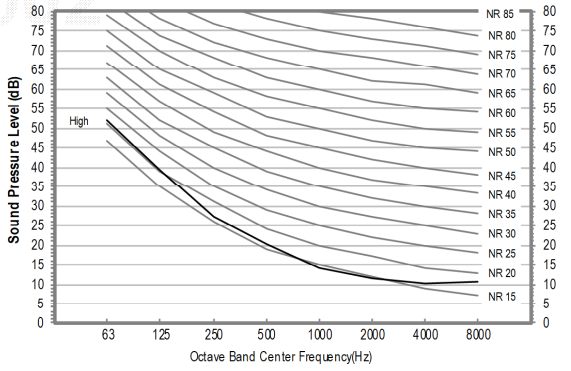


4) AE200TNWTEH/EU+AE090MXTPGH/EU



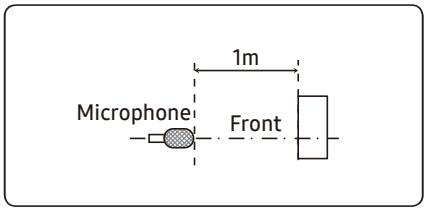
NOTE

- 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

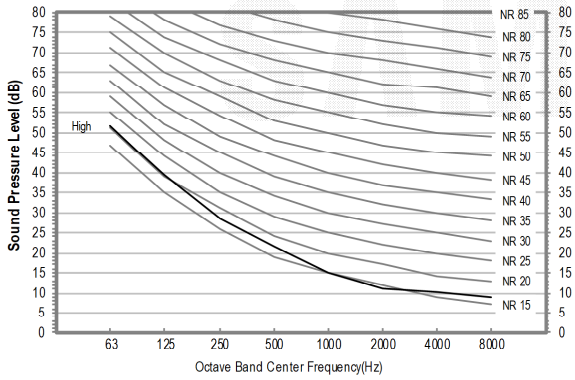


Unit: dB(A)

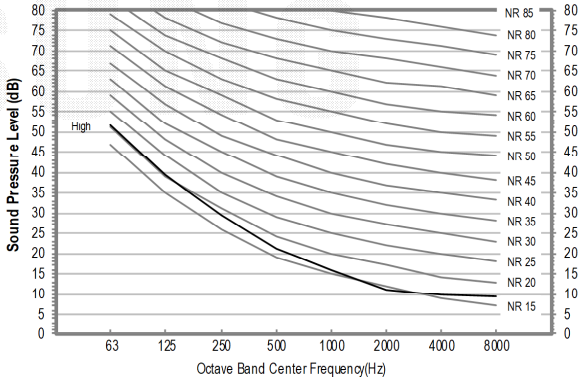
Model	Cooling	Heating
AE260TNWTEH/EU+AE044MXTPEH/EU	29	29
AE260TNWTEH/EU+AE066MXTPEH/EU	29	29
AE260TNWTEH/EU+AE090MXTPEH/EU	29	29
AE260TNWTEH/EU+AE090MXTPGH/EU	29	29

- NR Curve

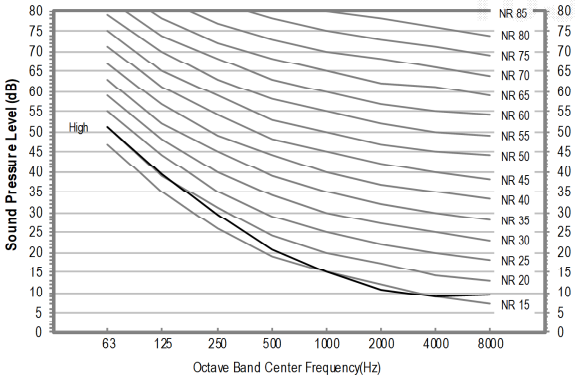
1) AE260TNWTEH/EU+AE044MXTPEH/EU



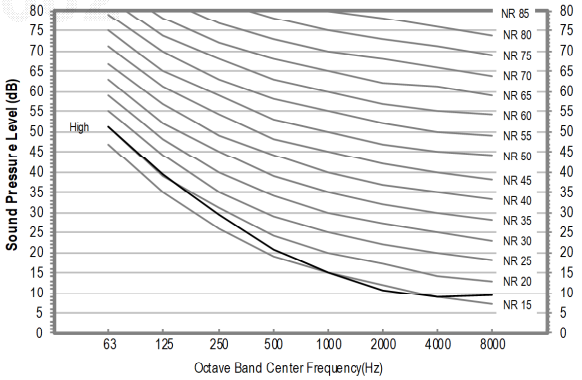
2) AE260TNWTEH/EU+AE066MXTPEH/EU



3) AE260TNWTEH/EU+AE090MXTPEH/EU



4) AE260TNWTEH/EU+AE090MXTPGH/EU



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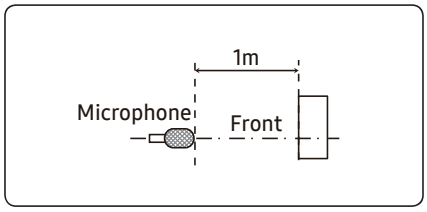
  - Sound pressure level may differ depending on operation condition.
  - dBA = A weighted sound pressure level
  - Reference acoustic pressure 0 dB = 20μPa

3. Hydro Units

3-4. Sound data

Sound Pressure level

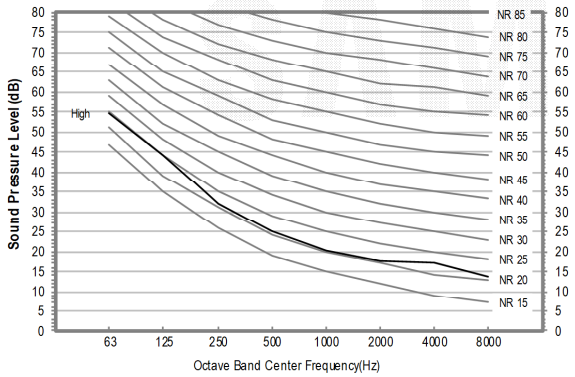


Unit: dB(A)

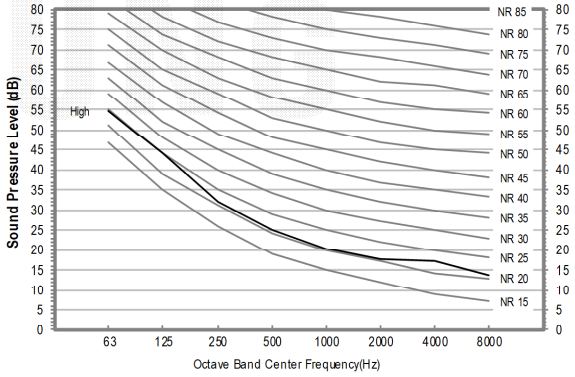
Model	Cooling	Heating
AE260TNWTEH/EU+AE120MXTPEH/EU	33	33
AE260TNWTEH/EU+AE120MXTPGH/EU	33	33
AE260TNWTEH/EU+AE160MXTPEH/EU	33	33
AE260TNWTEH/EU+AE160MXTPGH/EU	33	33

- NR Curve

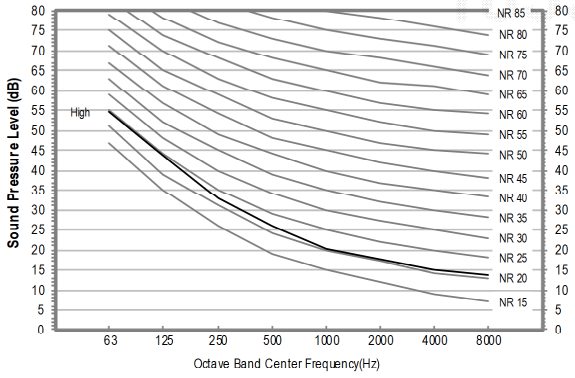
1) AE260TNWTEH/EU+AE120MXTPEH/EU



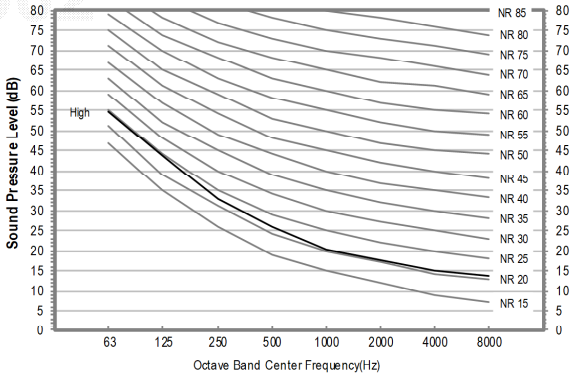
2) AE260TNWTEH/EU+AE120MXTPGH/EU



3) AE260TNWTEH/EU+AE160MXTPEH/EU



4) AE260TNWTEH/EU+AE160MXTPGH/EU



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  - 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

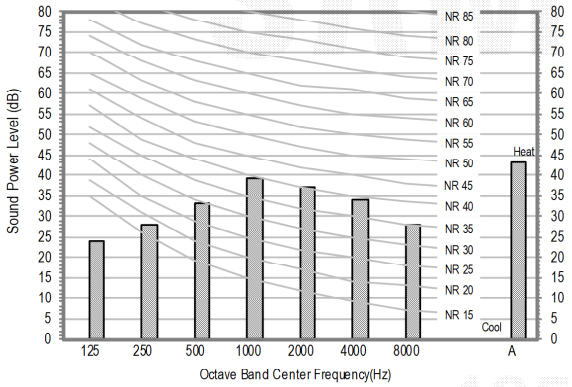
- Specifications may be subject to change without prior notice
  - Sound power level is an absolute value that a sound source generates.
  - dBA = A-weighted sound power level.
  - Reference power : 1pW.
  - Measured according to ISO 3741.

Unit: dB(A)

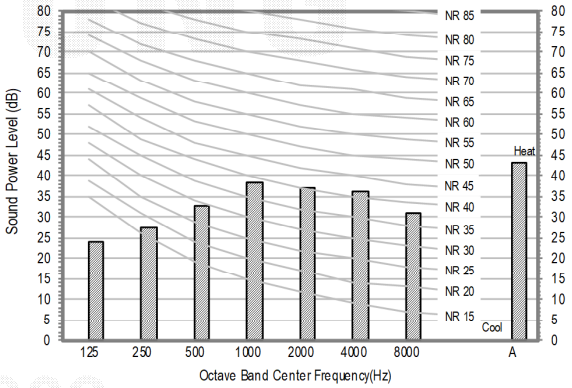
Model	Heating
AE200TNWTEH/EU+AE044MXTPEH/EU	43
AE200TNWTEH/EU+AE066MXTPEH/EU	43
AE200TNWTEH/EU+AE090MXTPEH/EU	43
AE200TNWTEH/EU+AE090MXTPGH/EU	43

- NR Curve

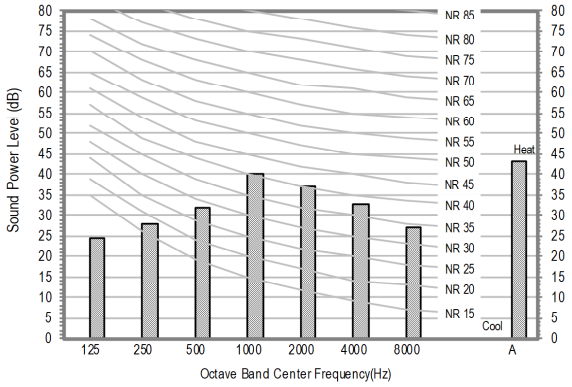
1) AE200TNWTEH/EU+AE044MXTPEH/EU



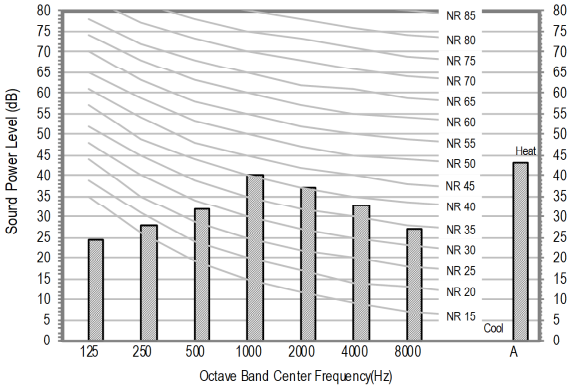
2) AE200TNWTEH/EU+AE066MXTPEH/EU



3) AE200TNWTEH/EU+AE090MXTPEH/EU



4) AE200TNWTEH/EU+AE090MXTPGH/EU



3. Hydro Units

3-4. Sound data

Sound Power level

NOTE

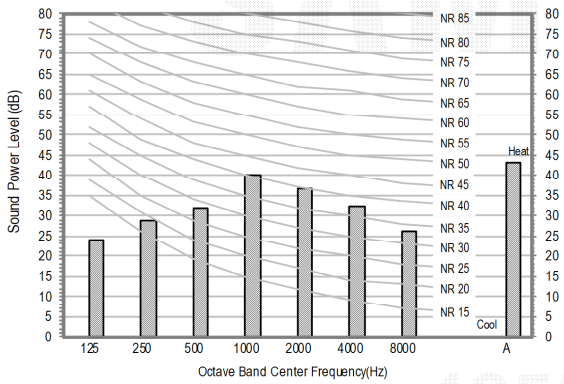
- Specifications may be subject to change without prior notice
  - Sound power level is an absolute value that a sound source generates.
  - dBA = A-weighted sound power level.
  - Reference power : 1pW.
  - Measured according to ISO 3741.

Unit: dB(A)

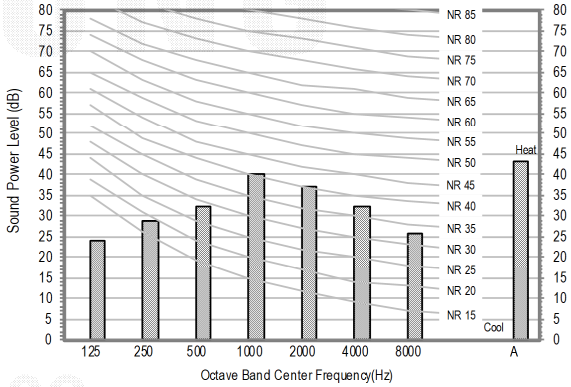
Model	Heating
AE260TNWTEH/EU+AE044MXTPEH/EU	43
AE260TNWTEH/EU+AE066MXTPEH/EU	43
AE260TNWTEH/EU+AE090MXTPEH/EU	43
AE260TNWTEH/EU+AE090MXTPGH/EU	43

- NR Curve

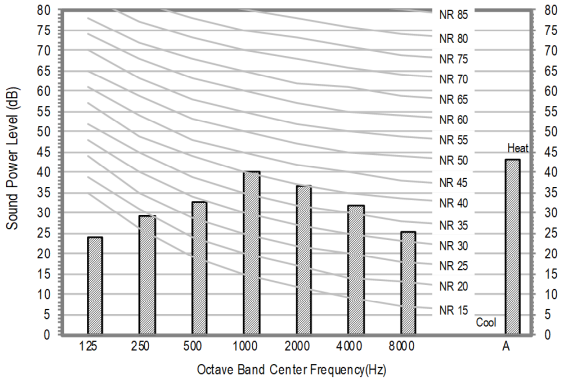
1) AE260TNWTEH/EU+AE044MXTPEH/EU



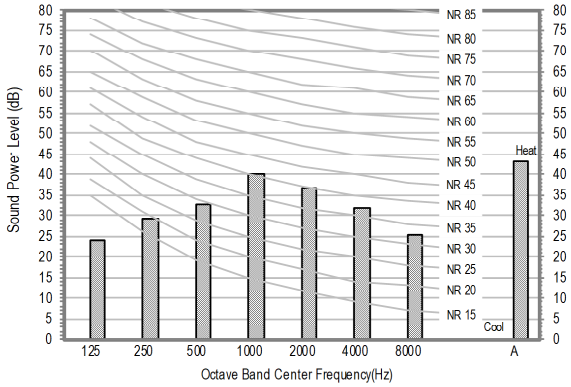
2) AE260TNWTEH/EU+AE066MXTPEH/EU



3) AE260TNWTEH/EU+AE090MXTPEH/EU



4) AE260TNWTEH/EU+AE090MXTPGH/EU



3. Hydro Units

3-4. Sound data

Sound Power level

NOTE

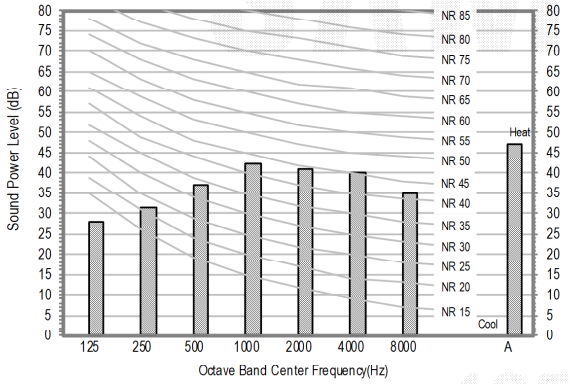
- Specifications may be subject to change without prior notice
  - Sound power level is an absolute value that a sound source generates.
  - dBA = A-weighted sound power level.
  - Reference power : 1pW.
  - Measured according to ISO 3741.

Unit: dB(A)

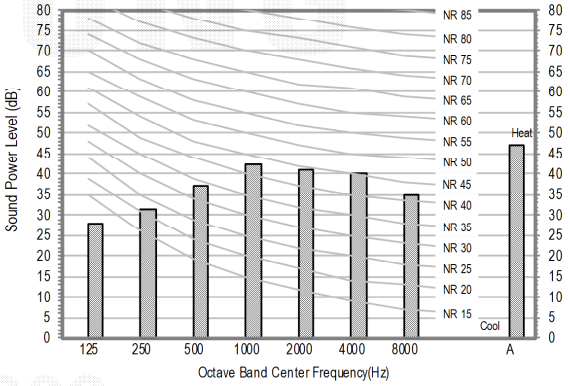
Model	Heating
AE260TNWTEH/EU+AE120MXTPEH/EU	47
AE260TNWTEH/EU+AE120MXTPGH/EU	47
AE260TNWTEH/EU+AE160MXTPEH/EU	47
AE260TNWTEH/EU+AE160MXTPGH/EU	47

- NR Curve

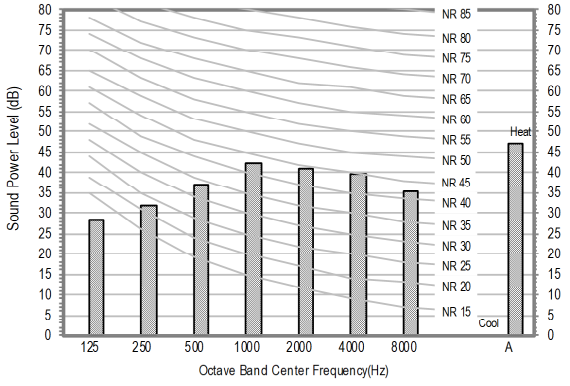
1) AE260TNWTEH/EU+AE120MXTPEH/EU



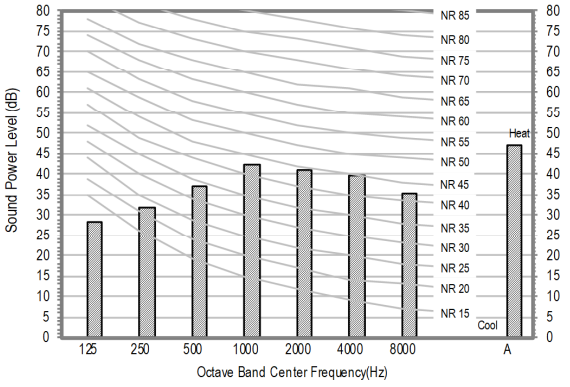
2) AE260TNWTEH/EU+AE120MXTPGH/EU



3) AE260TNWTEH/EU+AE160MXTPEH/EU



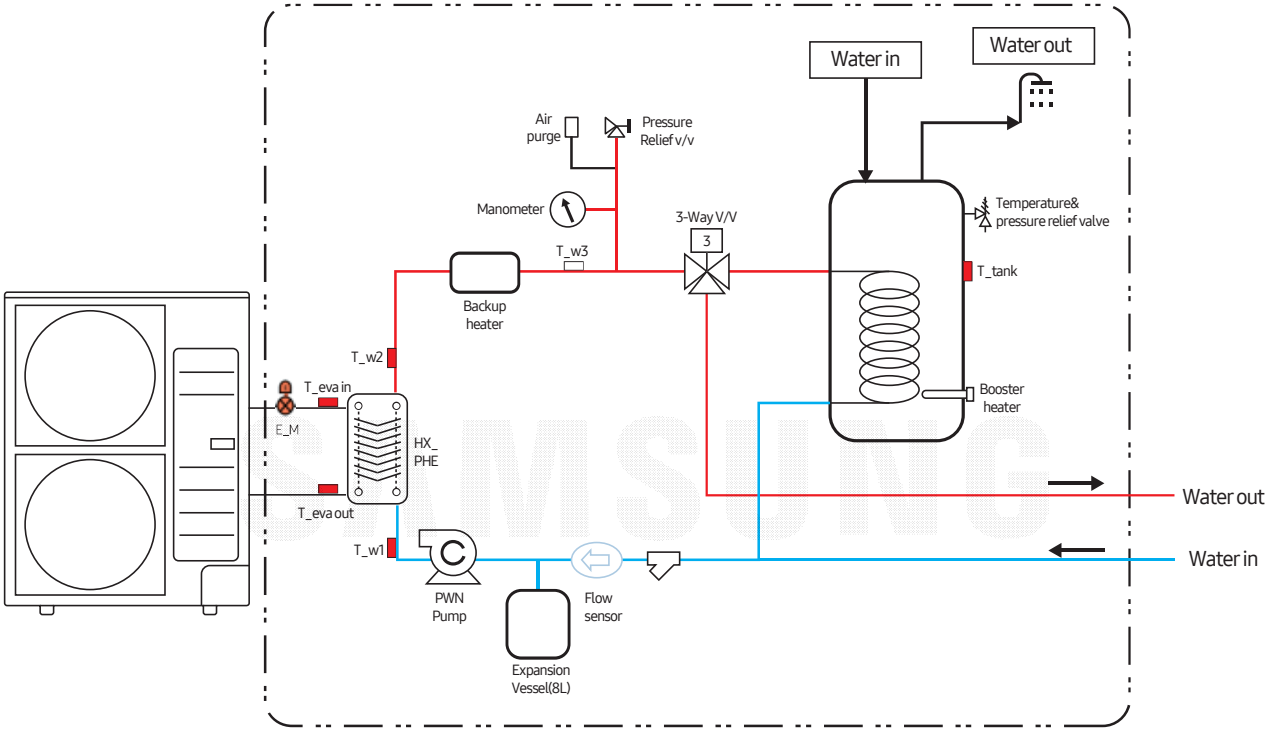
4) AE260TNWTEH/EU+AE160MXTPGH/EU



3. Hydro Units

3-5. Piping diagram

AE200TNWTEH/EU, AE260TNWTEH/EU



3. Hydro Units

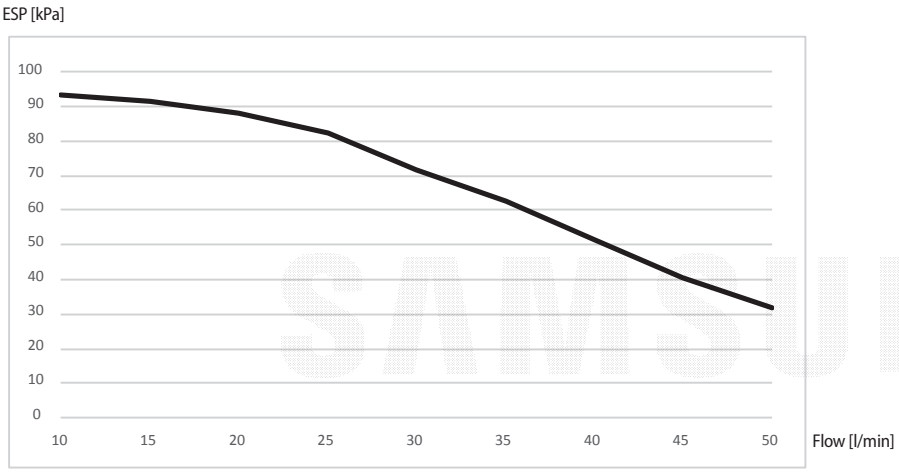
3-5. Hydraulic Performance

3-6-1. Water Pump

1) ESP(External Static Pressure) Diagram

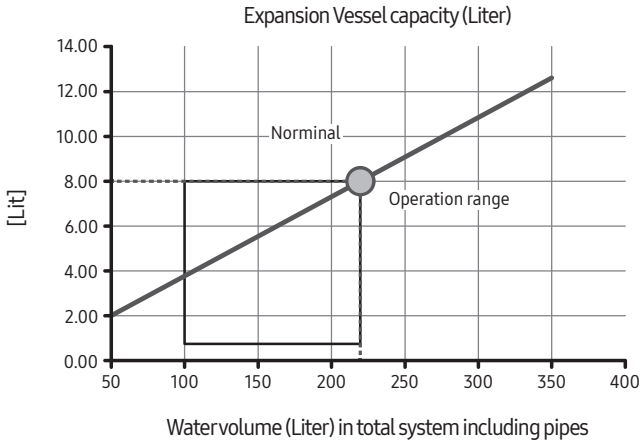
The illustration below shows the external static pressure of the unit depending on the water flow and the pump setting.

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.