

Specifications

Hydro Unit

- Production of low temperature hot water and chilled water.
- Hot water production to a maximum temperature of 50 °C/80 °C (HT models).
- Two-way control: leaving water temperature and room temperature control.
- Connection to low temperature radiators and AHU water coils.
- Hot water production for domestic hot water use.
- Connectable to Heat Recovery DVM S systems (excluding 50 kW hydro unit).



Model (HE)			AM160FNBDEH/EU	AM320FNBDEH/EU	AM500FNBDEH/EU	
Power Supply		Φ, #, V, Hz	1Φ, 2, 220-240 V, 50 Hz	1Φ, 2, 220-240 V, 50 Hz	1Φ, 2, 220-240 V, 50 Hz	
Performance	Capacity (Nominal)	Cooling	kW	14.0	28.0	44.8
		Heating	kW	16.0	31.5	50.4
Power	Power Input (Nominal)	Cooling	W	10	10	10
		Heating	W	10	10	10
	Current Input (Nominal)	Cooling	A	0.05	0.05	0.05
		Heating	A	0.05	0.05	0.05
	MCA (Including External Contact)	A	2.2	2.2	2.2	
	MFA	A	2.75	2.75	2.75	
Heat Exchanger	Type	-	PHE	PHE	PHE	
	Quantity	ea	1	1	1	
	Pipe Size	ø, inch	PT1 (25A)	PT1 (25A)	PT1 1/4 (32A)	
	Water Flow Rate	l/min	48	92	150	
	Flow Switch	l/min	20	30	50	
Piping Connections	Liquid Pipe	ø, mm	9.52	9.52	12.70	
		ø, inch	3/8	3/8	1/2	
	Gas Pipe	ø, mm	15.88	22.20	28.58	
		ø, inch	5/8	7/8	1 1/8	
Field Wiring	Power Source Wire (L<10 m, Single Installation)	mm ²	2.5	2.5	2.5	
	Transmission Cable	mm ²	0.75-1.50	0.75-1.50	0.75-1.50	
Refrigerant	Type	-	R410A (Fluorinated greenhouse gas, GWP=2,088)			
	Control Method	-	EEV	EEV	EEV	
Sound	Sound Pressure ¹	dB(A)	27	28	31	
Dimensions	Net Weight	kg	29.0	33.0	40.0	
	Net Dimensions (W x H x D)	mm	518 x 627 x 330	518 x 627 x 330	518 x 627 x 330	
Operating Temperature Range	Ambient	Cooling	°C	-5.0-48.0	-5.0-48.0	-5.0-48.0
		Heating	°C	-20.0-35.0	-20.0-35.0	-20.0-35.0
		Hot Water (Main Cooling, HR)	°C	-20.0-35.0 (43.0)	-20.0-35.0 (43.0)	-20.0-35.0 (43.0)
	Leaving Water	Cooling	°C	5.0-30.0	5.0-30.0	5.0-30.0
		Heating	°C	20.0-50.0	20.0-50.0	20.0-50.0



Model (HT)			AM160TNBFEB/EU	AM160TNBFG/EU	AM250TNBFEB/EU	AM250TNBFG/EU	
Power Supply		Φ, #, V, Hz	1Φ, 2, 220-240 V, 50 Hz	3Φ, 4, 380-415 V, 50 Hz	1Φ, 2, 220-240 V, 50 Hz	3Φ, 4, 380-415 V, 50 Hz	
Performance	Capacity (Nominal)	Cooling	kW	-	-	-	
		Heating	kW	16	16	25	25
Power	Power Input (Nominal)	Cooling	W	-	-	-	
		Heating	W	3.1	3.1	5.0	5.0
	Current Input (Nominal)	Cooling	A	-	-	-	
		Heating	A	14.30	4.85	23.10	7.85
	MCA (Including External Contact)	A	18.0	16.1	30.0	16.1	
	MFA	A	25	20	40	20	
Heat Exchanger	Type	-	PHE	PHE	PHE	PHE	
	Quantity	ea	2	2	2	2	
	Pipe Size	ø, inch	PT1 (25A)	PT1 (25A)	PT1 (25A)	PT1 (25A)	
	Water Flow Rate	l/min	23	23	36	36	
	Flow Switch	l/min	12	12	12	12	
Piping Connections	Liquid Pipe	ø, mm	9.52	9.52	9.52	9.52	
		ø, inch	3/8	3/8	3/8	3/8	
	Gas Pipe	ø, mm	15.88	15.88	15.88	15.88	
		ø, inch	5/8	5/8	5/8	5/8	
Field Wiring	Power Source Wire (L<10 m, Single Installation)	mm ²	4	2.5	4	2.5	
	Transmission Cable	mm ²	0.75-1.50	0.75-1.50	0.75-1.50	0.75-1.50	
Refrigerant	Type	-	R134A (Fluorinated greenhouse gas, GWP=1,430)				
	Control Method	-	EEV	EEV	EEV	EEV	
	Factory Charging	kg / tCO ₂ e	2.15/3.07	2.15/3.07	2.15/3.07	2.15/3.07	
Sound	Sound Pressure ¹	dB(A)	42	42	42	42	
	Sound Power	dB(A)	-	-	-	-	
Dimensions	Net Weight	kg	105.0	103.5	105.0	103.5	
	Net Dimensions (W x H x D)	mm	518 x 1,210 x 330	518 x 1,210 x 330	518 x 1,210 x 330	518 x 1,210 x 330	
Operating Temperature Range	Ambient	Cooling	°C	-	-	-	
		Heating	°C	-20-43	-20-43	-20-43	-20-43
		Hot Water (Main Cooling, HR)	°C	-20-43	-20-43	-20-43	-20-43
	Leaving Water	Cooling	°C	5-30	5-30	5-30	5-30
		Heating	°C	25-80	25-80	25-80	25-80

Accessories



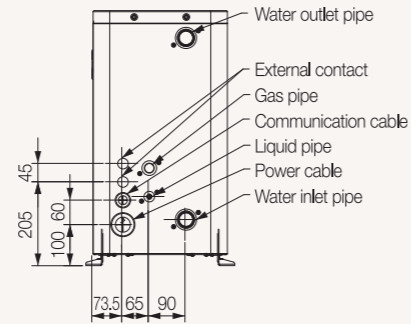
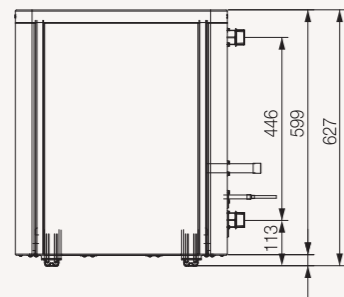
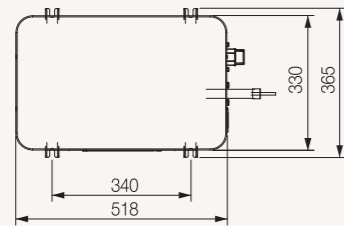
Wired Remote Controller	Wired Remote Controller
MWR-WW00N	MWR-WW10*N

¹ 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 conditions.

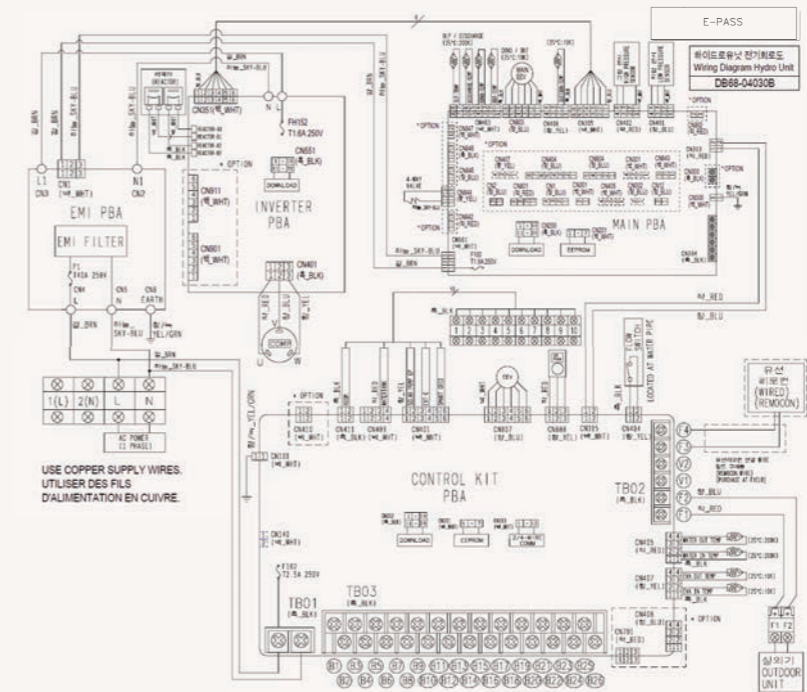
Dimensional drawings

Hydro Unit

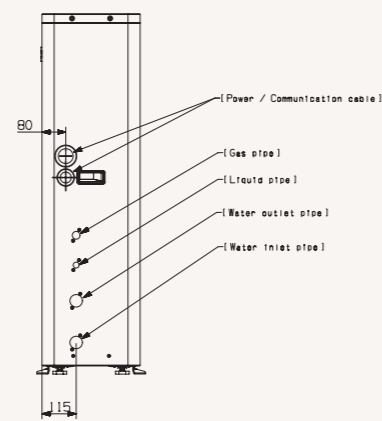
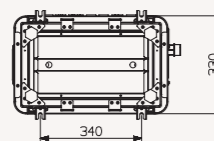
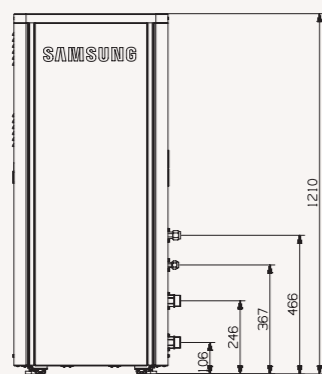
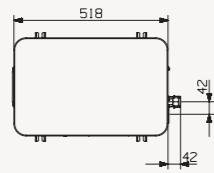
AM***FNBDEH/EU



AM160/250TNBFEB/EU



AM***TNBF*B/EU



AM160/250TNBFG/EU

