

Specifications

Hydro Unit

- Production of low temperature hot water and chilled water.
- Hot water production to a maximum temperature of 50 °C.
- Two-way control: leaving water temperature and room temperature control.
- Connection to low temperature radiators and AHU water coils.
- Hot water production for sanitary use.
- Connectable to Heat Recovery DVM S systems.



Model (HE)			AM160FNDEH/EU	AM320FNDEH/EU	AM500FNDEH/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	14.0	28.0	44.8	
		Heating	16.0	31.5	50.4	
Power	Power Input (Nominal)	Cooling	10	10	10	
		Heating	10	10	10	
	Current Input (Nominal)	Cooling	0.05	0.05	0.05	
		Heating	0.05	0.05	0.05	
	MCA (Including External Contact)		2.2	2.2	2.2	
		MFA	2.75	2.75	2.75	
Heat Exchanger	Type	-	PHE	PHE	PHE	
	Quantity	-	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	R410A	R410A	
	Control Method	-	EEV	EEV	EEV	
Sound ²	Sound Pressure	dB(A)	27	28	31	
Dimensions	Net Weight	kg	29.0	33.0	40.0	
	Net Dimensions (W × H × D)	mm	518 × 627 × 330	518 × 627 × 330	518 × 627 × 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)			AM160FNB/EU	AM160FNBFG/EU	AM250FNB/EU	AM250FNBFG/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	-	-	-	-
		Heating	16	16	25	25
Power	Power Input (Nominal)	Cooling	-	-	-	-
		Heating	3,100	3,100	5,000	5,000
	Current Input (Nominal)	Cooling	-	-	-	-
		Heating	14.30	4.85	23.10	7.85
	MCA (Including External Contact)		24.15	12.88	32.15	12.88
		MFA	30.19	16.10	40.19	16.10
Heat Exchanger	Type	-	PHE	PHE	PHE	PHE
	Quantity	-	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
Gas Pipe		ø, mm	15.88	15.88	15.88	15.88
Field Wiring	Power Source Wire (L<10 m, Single Installation)	mm ²	4.0	2.5	4.0	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	R134A	R134A	R134A
	Control Method	-	EEV	EEV	EEV	EEV
Sound ²	Factory Charging	kg / tCO ₂ e	2.15/3.07	2.15/3.07	2.15/3.07	2.15/3.07
	Sound Pressure	dB(A)	42	42	42	42
Dimensions	Net Weight	kg	104.0	104.0	104.0	104.0
	Net Dimensions (W × H × D)	mm	518 × 1,210 × 330	518 × 1,210 × 330	518 × 1,210 × 330	518 × 1,210 × 330
Operating Temperature Range	Ambient	Cooling	°C	-	-	-
		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	25.0-80.0	25.0-80.0	25.0-80.0
		Heating	°C	25.0-80.0	25.0-80.0	25.0-80.0

Accessories



Wired Remote Controller MWR-WOOD Wired Remote Controller MWR-WG00*N