

Product specification

Model name			EHPT17X- VM2E	EHPT17X- VM6E	EHPT17X- YM9E	EHPT20X- YM9E	EHPT20X- TM9E	EHPT20X- MEHEW	EHPT30X- YM9EE	ERPT17X- VM2E	ERPT20X- VM2E	ERPT20X- VM6E	ERPT20X- YM9E	ERPT30X- VM2EE	ERPT30X- VM6EE	ERPT30X- YM9EE		
Nominal domestic hot water volume			170 L			200 L			300 L	170 L	200 L			300 L				
Overall unit dimensions (Height × Width × Depth)			1400 × 595 × 680 mm			1600 × 595 × 680 mm			2050 × 595 × 680 mm	1400 × 595 × 680 mm	1600 × 595 × 680 mm			2050 × 595 × 680 mm				
Water volume of heating circuit in the unit *1			3.2 L		5.5 L	6.0 L		3.7 L	6.7 L	3.2 L	3.7 L		6.0 L	4.4 L		6.7 L		
Unvented expansion vessel (Primary heating)		Nominal volume	12 L						-		12 L				-			
		Charge pressure	0.1 MPa (1 bar)						-		0.1 MPa (1 bar)				-			
Safety device	Primary circuit	Control thermistor	80 °C															
		Pressure relief valve - outdoor unit	0.3 MPa (3 bar)															
		Pressure relief valve - indoor unit	0.5 MPa (5 bar)						-		0.5 MPa (5 bar)				-			
		Flow sensor	Min. flow 5.0 L/min (See table 4.3.1 about water flow rate range)															
	Booster heater	BH manual reset thermostat	90 °C						-		90 °C							
		BH thermal cut-out	121 °C						-		121 °C							
	DHW tank	Control thermistor	75 °C															
		IH manual reset thermostat	-						85 °C		-							
		Temperature/ Pressure relief valve	1.0 MPa (10 bar)						90°C / 0.7 MPa (7 bar)		1.0 MPa (10 bar)							
Connections		Water	Primary circuit		G1													
			DHW circuit		G3/4													
		Refrigerant	Liquid		-													
			Gas		-													
Operating range		Heating	Room temperature		10 - 30 °C													
			Flow temperature *6, *7		20 - 75 °C													
		Cooling	Room temperature		-						5 - 25 °C							
			Flow temperature		-						-							
		DHW		40 - 70 °C														
		Legionella prevention		60 - 70 °C														
Guaranteed operating range *2		Ambient		0~35 °C (≤ 80 %RH)														
		Outdoor temperature	Heating	See outdoor unit spec table.								*3						
			Cooling	-														
Electrical data		Control board (Including 4 pumps)	Power supply (Phase, voltage, frequency)		~N, 230 V, 50 Hz													
			Input		0.30 kW													
			Current		1.95 A													
			Breaker		10 A													
		Booster heater	Power supply (Phase, voltage, frequency)		~N, 230 V, 50 Hz		3~, 400 V, 50 Hz		3~, 230 V, 50 Hz	-	3~, 400 V, 50 Hz		~N, 230 V, 50 Hz		3~, 400 V, 50 Hz	~N, 230 V, 50 Hz		3~, 400 V, 50 Hz
			Capacity		2 kW	2 kW +4 kW	3 kW +6 kW			-	3 kW +6 kW		2 kW	2 kW +4 kW	3 kW +6 kW	2 kW	2 kW +4 kW	3 kW +6 kW
			Current		9 A	26 A	13 A		23 A	-	13 A		9 A	26 A	13 A	9 A	26 A	13 A
			Breaker		16 A	32 A	16 A		32 A	-	16 A		32 A	16 A		32 A	16 A	
		Immersion heater *5	Power supply (Phase, voltage, frequency)		-				~N, 230 V, 50 Hz		-							
			Capacity		-				3 kW		-							
			Current		-				13 A		-							
			Breaker		-				16 A		-							
Sound power level (PWL)			40 dB(A)															

<Table 3.4>

*1 This value does not contain: the volume of sanitary circuit, primary DHW circuit (from 3-way valve to confluent point with heating circuit), piping to expansion vessel, and expansion vessel.

*2 The environment must be frost-free.

*3 See outdoor unit spec table (min, 10°C). Cooling mode is not available in low outdoor temperature. If you use our system in cooling mode at the low ambient temperature (10°C or below), there are some risks of plate heat exchanger damages by frozen water.

*4 For the model without booster heater and immersion heater, the maximum allowable hot water temperature is "Maximum outlet water of outdoor unit -3°C". For the maximum outlet water of outdoor unit, refer to outdoor unit Data Book.

*5 Do not fit immersion heaters without thermal cut-out. Use only Mitsubishi Electric service parts as a direct replacement.

*6 Maximum temperature of E*****F model depending on the connected outdoor unit. PUZ: 70°C, Others: 60°C

*7 Maximum temperature of E*****X model depending on the connected outdoor unit. WZ: 75°C, Others: 60°C