

Model name			EHPT20X-MED	EHPT20X-VM6D	EHPT20X-YM9D	EHPT20X-YM9ED	EHPT20X-TM9D	EHPT20X-MHEDW	ERPT20X-MD	ERPT20X-VM2D	ERPT20X-VM6D	EHPT30X-MED	EHPT30X-YM9ED	ERPT30X-VM2ED	ERPT30X-VM6ED				
Nominal domestic hot water volume			200 L									300 L							
Overall unit dimensions (Height × Width × Depth)			1600 × 595 × 680 mm									2050 × 595 × 680 mm							
Water volume of heating circuit in the unit *1			3.7 L	3.7 L	6.0 L	6.0 L	6.0 L	3.7 L	3.7 L	3.7 L	3.7 L	4.4 L	6.7 L	4.4 L	4.4 L				
Unvented expansion vessel (Primary heating)			Nominal volume	—		12 L	—		12 L	—		12 L	—						
			Charge pressure	—		0.1 MPa (1 bar)		—		0.1 MPa (1 bar)	—		0.1 MPa (1 bar)						
Safety device	Primary circuit	Control thermistor	80°C																
		Pressure relief valve	—																
		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		—	90°C						
		BH thermal Cut Off	—	121°C				—		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		ø28 mm													
DHW circuit			ø22 mm																
Refrigerant (R32/ R410A)			Liquid		—														
Gas			—																
Operating range		Heating	Room temperature		10 - 30°C														
			Flow temperature		20 - 60°C														
		Cooling	Room temperature		—														
			Flow temperature		—				5 - 25°C				—		5 - 25°C				
Guaranteed operating range *2		Ambient		0 - 35°C (≤ 80 %RH)															
		Outdoor temperature	Heating		See outdoor unit spec table.														
		Cooling		—				*3				—		*3					
DHW tank performance		Maximum allowable hot water temperature		*4	70°C				*4	70°C		*4	70°C						
		Declared load profile		L									XL						
Electrical data			Control board (Including 4 pumps)	Power supply (Phase, voltage, frequency)		~N, 230 V, 50 Hz													
				Input		0.30 kW								0.34 kW					
				Current		1.95 A								2.56 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		—		~N, 230 V, 50 Hz		—	3~, 400 V, 50 Hz	~N, 230 V, 50 Hz	
				Capacity		—	2 kW + 4 kW	3 kW + 6 kW				—		2 kW + 4 kW		—	3 kW + 6 kW	2 kW	2 kW + 4 kW
				Current		—	26 A	13 A		23 A		—		9 A + 26 A		—	13 A	9 A	26 A
				Breaker		—	32 A	16 A		32 A		—		16 A + 32 A		—	16 A		32 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 Volume of sanitary water circuit, primary DHW circuit (from 3-way valve to confluent point with heating circuit), piping to expansion vessel, and expansion vessel are not included in this value.

*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.