Model name				EHST30D-MED	EHST30D-VM6ED	EHST30D-YM9ED	EHST30D-TM9ED	ERST30D-VM2ED	ERST30D-VM6ED	ERST30D-YM9ED	EHST20C-MED	EHST20C-VM2D	EHST20C-VM6D	EHST20C-YM9D	EHST20C-YM9ED	EHST20C-TM9D
Nominal domestic hot water volume				300 L							200 L					
Overall unit dimensions (Height × Width × Depth)				2050 × 595 × 680 mm							1600 × 595 × 680 mm					
Water volume of heating circuit in the unit *1				3.9 L	3.9 L	6.2 L	6.2 L	3.9 L	3.9 L	6.2 L	4.6 L	4.6 L	4.6 L	6.9 L	6.9 L	6.9 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		0.3 MPa (3 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 Off		—	121°C						—	121°C				
	DHW tank	Control thermistor		75°C												
		IH manual reset thermostat		—												
		Temperature / Pressure relief valve		1.0 MPa (10 bar)												
Connections	Water	Primary circuit		ø28 mm												
		DHW circuit		ø22 mm												
	Refrigerant (R32/ R410A)	Liquid		ø6.35 mm							ø9.52 mm					
		Gas		ø12.7 mm							ø15.88 mm					
Operating range	Heating	Room temperature		10 - 30°C												
		Flow temperature		20 - 60°C												
	Cooling	Room temperature		—												
		Flow temperature		—				5 - 25°C			—					
Guaranteed operating range *2	Ambient			0 - 35°C (≦ 80 %RH)												
	Outdoor temperature	Heating		See outdoor unit spec table.												
		Cooling		—				*3			—					
DHW tank performance	Maximum allowable hot water temperature			*4	70°C						*4	70°C				
	Declared load profile			XL							L					
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	~/N, 230 V, 50 Hz		3~, 400 V, 50 Hz	—	~/N, 230 V, 50 Hz		3~, 400 V, 50 Hz		3~, 230 V, 50 Hz
		Capacity		—	2 kW + 4 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		—	26 A	13 A	23 A	9 A	26 A	13 A	—	9 A	26 A	13 A		23 A
		Breaker		—	32 A	16 A	32 A	16 A	32 A	16 A	—	16 A	32 A	16 A		32 A
	Immersion heater *5	Power supply (Phase, voltage, frequency)		—												
		Capacity		—												
		Current		—												
		Breaker		—												
Sound power level (PWL)				41 dB(A)							40 dB(A)					

<Table 3.2>

*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.

Model name				ERST20C-VM2D	ERST20C-VM6D	ERST20C-YM9D	EHST30C-MED	EHST30C-VM6ED	EHST30C-YM9ED	EHST30C-TM9ED	ERST30C-VM2ED	ERST30C-VM6ED	ERST30C-YM9ED	EHPT17X-VM2D	EHPT17X-VM6D	EHPT17X-YM9D	ERPT17X-VM2D
Nominal domestic hot water volume				200 L			300 L							170 L			
Overall unit dimensions (Height × Width × Depth)				1600 × 595 × 680 mm			2050 × 595 × 680 mm							1400 × 595 × 680 mm			
Water volume of heating circuit in the unit *1				4.6 L	4.6 L	6.9 L	5.0 L	5.0 L	7.3 L	7.3 L	5.0 L	5.0 L	7.3 L	3.2 L	3.2 L	5.5 L	3.2 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		0.3 MPa (3 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 Off		121°C			—	121°C									
	DHW tank	Control thermistor		75°C													
		IH manual reset thermostat		—													
		Temperature / Pressure relief valve		1.0 MPa (10 bar)													
Connections		Water	Primary circuit	ø28 mm													
			DHW circuit	ø22 mm													
		Refrigerant (R32/ R410A)	Liquid	ø9.52 mm										—			
			Gas	ø15.88 mm										—			
Operating range		Heating	Room temperature	10 - 30°C													
			Flow temperature	20 - 60°C													
		Cooling	Room temperature	—													
			Flow temperature	5 - 25°C			—				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			—			*3
DHW tank performance		Maximum allowable hot water temperature		70°C			*4	70°C									
		Declared load profile		L			XL							L			
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	—	~/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		3~, 400 V, 50 Hz	~/N, 230 V, 50 Hz
			Capacity	2 kW	2 kW + 4 kW	3 kW + 6 kW	—	2 kW + 4 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	2 kW
			Current	9 A	26 A	13 A	—	26 A	13 A	23 A	9 A	26 A	13 A	9 A	26 A	13 A	9 A
			Breaker	16 A	32 A	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)	—													
			Capacity	—													
			Current	—													
			Breaker	—													
Sound power level (PWL)				40 dB(A)													

<Table 3.3>

*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.