

Model name			EHSC-MED	EHSC-VM2D	EHSC-VM6D	EHSC-YM9D	EHSC-YM9ED	EHSC-TM9D	ERSC-MED	ERSC-VM2D	ERSC-VM6D	ERSC-YM9D		
Overall unit dimensions (Height × Width × Depth)			800 × 530 × 360 mm											
Water volume of heating circuit in the unit *1			2.6 L	6.1 L	6.1 L	6.1 L	6.1 L	6.1 L	2.6 L	6.1 L	6.1 L	6.1 L		
Unvented expansion vessel (Primary heating)		Nominal volume	—	10 L			—	10 L	—	10 L				
		Charge pressure	—	0.1 MPa (1 bar)			—	0.1 MPa (1 bar)	—	0.1 MPa (1 bar)				
Safety device	Water circuit (Primary)	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	Manual reset thermostat	—	90°C					—	90°C				
		Thermal Cut-out (for dry run prevention)	—	121°C					—	121°C				
Connections		Water (primary circuit)		28 mm/Compression					G1-B					
		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					
Guaranteed operating range		Ambient *2		0 - 35°C (≦ 80 %RH)										
		Outdoor temperature	Heating	See outdoor unit spec table.										
			Cooling	—					*3					
Electrical data		Control board (Including 4 pumps)	Power supply (Phase, voltage, frequency)	~N, 230 V, 50 Hz										
			Breaker (*when powered from independent source)	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
			Capacity	—	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		—	9 A	26 A	13 A
			Breaker	—	16 A	32 A	16 A		32 A		—	16 A	32 A	16 A
Sound power level			40 dB(A)											

<Table 3.2>

*1 Piping to Expansion vessel is 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.

Model name			ERSE-YM9ED	ERSE-MED	EHSE-YM9ED	EHSE-MED	EHPX-MED	EHPX-VM2D	EHPX-VM6D	EHPX-YM9D	EHPX-YM9ED	ERPX-MD	ERPX-VM2D	EHPX-VM6D	ERPX-YM9D		
Overall unit dimensions (Height × Width × Depth)			950 × 600 × 360 mm						800 × 530 × 360 mm								
Water volume of heating circuit in the unit *1			10.0 L	10.0 L	10.0 L	10.0 L	1.0 L	4.5 L	4.5 L	4.5 L	4.5 L	1.0 L	4.5 L	4.5 L	4.5 L		
Unvented expansion vessel (Primary heating)		Nominal volume	—						10 L			—		10 L			
		Charge pressure	—						0.1 MPa (1 bar)			—		0.1 MPa (1 bar)			
Safety device	Water circuit (Primary)	Control thermistor	80°C														
		Pressure relief valve	0.3 MPa (3 bar)					—					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	Manual reset thermostat	90°C	—	90°C	—		90°C			—		90°C				
		Thermal Cut-out (for dry run prevention)	121°C	—	121°C	—		121°C			—		121°C				
Connections		Water (primary circuit)		G1-1/2-B				28 mm/Compression				G1-B					
		Refrigerant (R32/ R410A)	Liquid	ø9.52 mm				—									
			Gas	ø25.4 mm (Brazing)				—									
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		Ambient *2		0 - 35°C (≦ 80 %RH)													
		Outdoor temperature	Heating		See outdoor unit spec table												
			Cooling		*3		—						*3				
Electrical data		Control board (Including 4 pumps)	Power supply (Phase, voltage, frequency)		~N, 230 V, 50 Hz												
			Breaker (*when powered from independent source)		10 A												
		Booster heater	Power supply (Phase, voltage, frequency)		3~, 400 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		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		13 A	—	13 A	—		9 A	26 A	13 A		—	9 A	26 A	13 A
			Breaker		16 A	—	16 A	—		16 A	32 A	16 A		—	16 A	32 A	16 A
Sound power level			45 dB(A)					40 dB(A)									

<Table 3.3>

*1 Piping to Expansion vessel is not included in this value.

*2 The environment must be frost-free.

*3 See outdoor unit spec table. (min. 10°C)

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