

Split type specifications

Indoor unit

<Cylinder unit>



Model name		EHST20C-VM2C	EHST20C-VM6C	EHST20C-VM9C	EHST20C-TM9C	EHST20C-VM2EC	EHST20C-VM6EC	EHST20C-VM9EC	EHST20C-MEC	EHST20C-VM2C	EHST20C-VM9C	EHST20C-VM2EC	EHST20C-MHC	EHST20C-MEC	EHST20C-MHCW*2	EHST20C-MHCW*2				
Type		Heating only																		
Immersion heater		-	-	-	-	-	-	-	-	-	-	-	-	x	-	x	x			
Expansion vessel		x	x	x	x	-	-	-	-	x	x	-	x	-	x	-	x			
Booster heater		x	x	x	x	x	x	x	-	x	x	x	-	-	-	-				
Dimensions		HxWxD		mm																
Weight (empty)		kg		110	111	112	112	104	105	106	103	103	105	97	103	96	110	103		
Power supply (V/Phase/Hz)		230/Single/50																		
Heater	Booster heater	Power supply (V/Phase/Hz)		230/Single/50		400/Three/50		230/Three/50		230/Single/50		400/Three/50		230/Single/50		400/Three/50		230/Single/50		
		Capacity		kW		2		6 (2/4/6)		9 (3/6/9)		2		6 (2/4/6)		9 (3/6/9)		2		
		Current		A		9		26		13		23		9		26		13		
		Breaker size		A		16		32		16		32		16		32		16		
	Immersion heater	Power supply (V/Phase/Hz)		-																
		Capacity		kW		-														
		Current		A		-														
		Breaker size		A		-														
Domestic hot water tank		Volume / Material		L / -																
Guaranteed operating range*1		Ambient		°C																
		Outdoor		Heating		°C														
				Cooling		°C														
Target temperature range		Heating		Room temperature		°C														
				Flow temperature		°C														
		Cooling		Room temperature		°C														
				Flow temperature		°C														
		DHW		°C																
		Legionella prevention		°C																
Sound pressure level (SPL)		dB (A)		28																

*1 The environment must be frost-free *2 UK model

<Hydro box>

Model name		EHSD-MEC	EHSD-MC	EHSD-VM2C	EHSD-VM9C	EHSC-MEC	EHSC-VM2C	EHSC-VM2EC	EHSC-VM6C	EHSC-VM6EC	EHSC-VM9C	EHSC-VM9EC	EHSC-TM9C	EHSE-MEC	EHSE-VM9EC						
Type		Heating only																			
Immersion heater		-	-	-	-	-	-	-	-	-	-	-	-	-	-						
Expansion vessel		-	x	x	x	-	x	-	x	-	x	-	x	-	x						
Booster heater		-	-	x	x	-	x	x	x	x	x	x	x	-	x						
Dimensions		HxWxD		mm										950x600x360							
Weight (empty)		kg		38	43	44	45	42	48	43	49	44	49	44	49	60	62				
Power supply (V/Phase/Hz)		230/Single/50																			
Heater	Booster heater	Power supply (V/Phase/Hz)		-		230/Single/50		400/Three/50		-		230/Single/50		400/Three/50		230/Three/50		-		400/Three/50	
		Capacity		kW		-		2		9 (3/6/9)		-		2		6 (2/4/6)		6 (2/4/6)		9 (3/6/9)	
		Current		A		-		9		13		-		9		26		26		13	
		Breaker size		A		-		16		16		-		16		16		32		32	
Guaranteed operating range*1		Ambient		°C																	
		Outdoor		Heating		°C															
				Cooling		°C															
Target temperature range		Heating		Room temperature		°C															
				Flow temperature		°C															
		Cooling		Room temperature		°C															
				Flow temperature		°C															
Sound pressure level (SPL)		dB (A)		28										30							

*1 The environment must be frost-free

<Reversible cylinder unit>

Model name		ERST20D-VM2C	ERST20D-MEC	ERST20C-VM2C	ERST20C-MEC		
Type		Heating and cooling					
Immersion heater		-	-	-	-		
Expansion vessel		x	-	x	-		
Booster heater		x	-	x	-		
Dimensions		HxWxD		mm			
Weight (empty)		kg		103	96	110	103
Power supply (V/Phase/Hz)		230/Single/50					
Heater	Booster heater	Power supply (V/Phase/Hz)		230/Single/50		230/Single/50	
		Capacity		kW		2	
		Current		A		9	
		Breaker size		A		16	
	Immersion heater	Power supply (V/Phase/Hz)		-			
		Capacity		kW			
		Current		A			
		Breaker size		A			
Domestic hot water tank		Volume / Material		L / -		200 / Stainless steel	
Guaranteed operating range*1		Ambient		°C			
		Outdoor		Heating		°C	
				Cooling		°C	
Target temperature range		Heating		Room temperature		°C	
				Flow temperature		°C	
		Cooling		Room temperature		°C	
				Flow temperature		°C	
		DHW		°C			
		Legionella prevention		°C			
Sound pressure level (SPL)		dB (A)		28			

*1 The environment must be frost-free

*2 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 breaking by frozen water.

<Reversible hydro box>

Model name		ERSD-VM2C	ERSC-MEC	ERSC-VM2C	ERSE-MEC	ERSE-VM9EC		
Type		Heating and cooling						
Immersion heater		-	-	-	-	-		
Expansion vessel		x	-	x	-	-		
Booster heater		x	-	x	-	x		
Dimensions		HxWxD		mm		800x530x360		
Weight (empty)		kg		45	43	49	61	63
Power supply (V/Phase/Hz)		230/Single/50						
Heater	Booster heater	Power supply (V/Phase/Hz)		230/Single/50		230/Single/50		
		Capacity		kW		2		
		Current		A		9		
		Breaker size		A		16		
Guaranteed operating range*1		Ambient		°C				
		Outdoor		Heating		°C		
				Cooling		°C		
Target temperature range		Heating		Room temperature		°C		
				Flow temperature		°C		
		Cooling		Room temperature		°C		
				Flow temperature		°C		
Sound pressure level (SPL)		dB (A)		28		30		

*1 The environment must be frost-free

*2 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 breaking by frozen water.

Outdoor unit

Model name			SUHZ-SW45VA (H) ^{*1}	PUHZ-SW50VKA (-BS)	PUHZ-SW75VHA (-BS)	PUHZ-SW100VYHA (-BS)	PUHZ-SW120VYHA (-BS)	PUHZ-SW160YKA (-BS)	PUHZ-SW200YKA (-BS)	PUHZ-SHW80VHA	PUHZ-SHW112VYHA	PUHZ-SHW140YHA	PUHZ-SHW230YKA2
Dimensions	HxWxD	m	880x840x330	630x809x300	943x950x330	1350x950x330	1350x950x330	1338x1050x330	1338x1050x330	1350x950x330	1350x950x330	1350x950x330	1338x1050x330
Product weight (empty)		kg	54	43	75	118/130	118/130	136	136	120	120/134	134	149
Power supply (V / Phase / Hz)	VHA : 230/Single/50 YHA, YKA : 400/Three/50												
Heating (A7/W35)	Capacity	kW	4.50	5.50	8.00	11.20	16.00	22.00	25.00	8.00	11.20	14.00	23.00
	COP		5.06	4.42	4.40	4.45	4.10	4.20	4.00	4.65	4.46	4.22	3.65
	Power input	kW	0.889	1.244	1.818	2.517	3.902	5.238	6.250	1.720	2.511	3.318	6.301
Heating (A2/W35)	Capacity	kW	3.50	5.00	7.50	10.00	12.00	16.00	20.00	8.00	11.20	14.00	23.00
	COP		3.40/3.04	2.97	3.40	3.32	3.24	3.11	2.80	3.55	3.34	2.96	2.37
	Power input	kW	1.029/1.151	1.684	2.206	3.009	3.704	5.145	7.143	2.254	3.353	4.730	9.705
Cooling (A35/W7)	Capacity	kW	4.00	4.50	6.60	9.10	12.50	16.00	20.00	7.10	10.00	12.50	20.00
	EER		2.73	2.76	2.82	2.75	2.32	2.76	2.25	3.31	2.83	2.17	2.22
	Power input	kW	1.465	1.630	2.340	3.309	5.388	5.797	8.889	2.145	3.534	5.760	9.009
Cooling (A35/W18)	Capacity	kW	3.80	5.00	7.10	10.00	14.00	18.00	22.00	7.10	10.00	12.50	20.00
	EER		4.28	4.60	4.43	4.35	4.08	4.56	4.10	4.52	4.74	4.26	3.55
	Power input	kW	0.888	1.087	1.603	2.299	3.431	3.947	5.366	1.571	2.110	2.934	5.634
Sound pressure level (SPL)	Heating	dB (A)	52	46	51	54	54	62	62	51	52	52	59
Sound power level (PWL)	Heating	dB (A)	61	63	68	70	72	78	78	69	70	70	75
Operating current (max)		A	12.0	13.0	17.0	29.5/13.0	29.5/13.0	19.0	21.0	29.5	35.0/13.0	13.0	26.0
Breaker size		A	20	16	25	32/16	32/16	25	32	32	40/16	16	32
Piping	Diameter	Liquid/Gas	m	6.35/12.7	6.35/12.7	9.52/15.88	9.52/15.88	9.52/15.88	9.52/25.4	12.7/25.4	9.52/15.88	9.52/15.88	12.7/25.4
	Max. length	Out-In	m	30	40	40	75	75	80	80	75	75	80
	Max. height	Out-In	m	30	30	30	30	30	30	30	30	30	30
Guaranteed operating range	Heating	°C	-15 to +24	-15 to +21	-20 to +21	-20 to +21	-20 to +21	-20 to +21	-20 to +21	-20 to +21	-28 to +21	-28 to +21	-28 to +21
	DHW	°C	-15 to +35	-15 to +35	-20 to +35	-20 to +35	-20 to +35	-20 to +35	-20 to +35	-20 to +35	-28 to +35	-28 to +35	-28 to +35
	Cooling ^{*2}	°C	-10 to +46	-15 to +46	-15 to +46	-15 to +46	-15 to +46	-15 to +46	-15 to +46	-15 to +46	-15 to +46	-15 to +46	-15 to +46

Note: based on EN 14511 (Input to circulation pump is not included.) It may differ according to the system configuration.

*1 SUHZ-SW45VAH incorporates base heater.

*2 Optional air protection guide is required where ambient temperature is lower than -5°C.

Optional parts

<Indoor unit>

Parts name	Model name	Specification	Cylinder unit														Hydro box		
			EHST20C-VM2C	EHST20C-VM6C	EHST20C-VM9C	EHST20C-TM9C	EHST20C-VM2EC	EHST20C-VM6EC	EHST20C-VM9EC	EHST20C-MEC	EHST20D-VM2C	EHST20D-VM9C	EHST20D-VM2EC	EHST20D-MEC	EHST20D-MHC	EHST20D-MHCW	ERST models	E130 or E133 models	E13E models
Wireless remote controller	PAR-WT50R-E		x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Wireless receiver	PAR-WR51R-E		x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Thermistors	PAC-SE41TS-E	For room temp.	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
	PAC-TH011-E	For buffer and zone (flow and return temp.)	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
	PAC-TH011TK-E	For tank temp. (5m)	x	x	x	x	x	-	-	-	-	-	-	-	-	-	-	x	x
	PAC-TH011TKL-E	For tank temp. (30m)	x	x	x	x	x	-	-	-	-	-	-	-	-	-	-	x	x
	PAC-TH011HT-E	For boiler (flow and return temp.)	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Immersion heater	PAC-I03V2-E	1Ph 3kW	x	x	x	x	x	x	x	x	x	x	x	-	-	-	x	-	-
EHPT accessories for UK	PAC-WK01UK-E		-	-	-	-	-	-	-	-	-	-	-	-	-	x	x	-	-
Joint pipe	PAC-SG73RJ-E	For PUHZ-SW200YKA/SHW230YKA2 (-BS) ø9.52x12.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	x
Wi-Fi interface	PAC-WF010-E		x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Drain pan stand	PAC-DP01-E	D665mm H270mm W595mm N/W: 14.5kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	x ^{*1}	-

*1 PAC-DP01-E is necessary when you use ERST units. If you use ERST units without this parts, drain will be flowed from the base of units, in cooling mode.

<Outdoor unit>

Parts name	Model name	Eco Inverter	Power Inverter							ZUBADAN			
		SUHZ-SW45VA (H)	PUHZ-SW50VKA (-BS)	PUHZ-SW75VHA (-BS)	PUHZ-SW100VYHA (-BS)	PUHZ-SW120VYHA (-BS)	PUHZ-SW160YKA (-BS)	PUHZ-SW200YKA (-BS)	PUHZ-SHW80VHA	PUHZ-SHW112VYHA	PUHZ-SHW140YHA	PUHZ-SHW230YKA2	
Connector for drain hose heater signal output	PAC-SE60RA-E	-	-	x	x	x	x	x	x	x	x	x	
	PAC-SE61RA-E	-	x	-	-	-	-	-	-	-	-	-	
Air discharge guide	MAC-886SG-E	x	-	-	-	-	-	-	-	-	-	-	
	PAC-SJ07SG-E	-	x	-	-	-	-	-	-	-	-	-	
	PAC-SG59SG-E	-	-	x	x	x	x	-	-	x	x	x	
Air protection guide	PAC-SG96SG-E	-	-	-	-	-	-	x	x	-	-	x	
	PAC-SJ06AG-E	-	x	-	-	-	-	-	-	-	-	-	
	PAC-SH63AG-E	-	-	x	x	x	x	-	-	x	x	x	
Drain socket	PAC-SH95AG-E	-	-	-	-	-	-	x	x	-	-	x	
	PAC-SG61DS-E	-	-	x	x	x	x	x	x	-	-	-	
Centralised drain pan	PAC-SJ08DS-E	-	x	-	-	-	-	-	-	-	-	-	
	PAC-SG63DP-E	-	x	-	-	-	-	-	-	-	-	-	
	PAC-SG64DP-E	-	-	x	x	x	x	-	-	-	-	-	
Control/Service tool	PAC-SH97DP-E	-	-	-	-	-	-	x	x	-	-	-	
	PAC-SK52ST	-	x	x	x	x	x	x	x	x	x	x	