

Split type specifications

Indoor unit

<Cylinder unit>

Model name	Type	Small capacity						Medium capacity						UK model				
		EHST200-VM2C	EHST200-VM9C	EHST200-VM2EC	EHST200-MHC	EHST200-MEC	EHST200-VM2C	EHST200-VM6C	EHST200-VM9C	EHST200-TM9C	EHST200-VM2EC	EHST200-VM6EC	EHST200-VM9EC	EHST200-MEC	EHST200-MHCW	EHST200-MHCW		
Heating only																		
Immersion heater		-	-	-	x	-	-	-	-	-	-	-	-	-	-	x	x	
Expansion vessel		x	x	-	x	-	x	x	x	-	-	-	-	-	-	x	x	
Booster heater		x	x	x	-	-	-	-	-	x	x	x	x	-	-	-	-	
Dimensions	HxWxD	mm 1600x595x680																
Weight (empty)	kg	103	105	97	103	96	110	111	112	112	104	105	106	103	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/Single/50	-	-	-	-	-	-	-	-	-	-	-	-	
		Capacity	kW	2	9 (3/6/9)	2	-	-	-	-	-	-	-	-	-	-	-	
		Current	A	9	13	9	-	-	-	-	-	-	-	-	-	-	-	
		Breaker size	A	16	16	16	-	-	-	-	-	-	-	-	-	-	-	-
Immersion heater	Power supply (V/Phase/Hz)	-	-	-	230/Single/50	-	-	-	-	-	-	-	-	-	-	230/Single/50		
	Capacity	kW	-	-	-	3	-	-	-	-	-	-	-	-	-	3		
	Current	A	-	-	-	13	-	-	-	-	-	-	-	-	-	13		
	Breaker size	A	-	-	-	16	-	-	-	-	-	-	-	-	-	16		
Domestic hot water tank	Volume / Material	L / - 200 / Stainless steel																
Guaranteed operating range*1	Ambient	°C 0-35*1																
	Outdoor	Heating	°C See outdoor unit spec table															
Target temperature range	Heating	Room temperature	°C 10-30															
		Flow temperature	°C 25-60															
		Room temperature	°C -															
	Cooling	Room temperature	°C -															
		Flow temperature	°C -															
		DHW	°C 40-60															
Legionella prevention	°C 60-70																	
Sound pressure level (SPL)	dB (A)	28																

*1 The indoor environment must be frost-free

<Hydro box>

Model name	Type	Small capacity				Medium capacity						Large capacity						
		EHSD-MEC	EHSD-MC	EHSD-VM2C	EHSD-VM9C	EHSC-MEC	EHSC-VM2C	EHSC-VM6C	EHSC-VM6EC	EHSC-VM9C	EHSC-VM9EC	EHSE-MEC	EHSE-VM9EC					
Heating only																		
Immersion heater		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
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 800x530x360																
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	-	-	-	-	-	-	-	-	-	-	-	
		Capacity	kW	-	-	2	9 (3/6/9)	-	-	-	-	-	-	-	-	-	-	
		Current	A	-	-	9	13	-	-	-	-	-	-	-	-	-	-	
		Breaker size	A	-	-	16	16	-	-	-	-	-	-	-	-	-	-	
Guaranteed operating range*1	Ambient	°C 0-35*1																
	Outdoor	Heating	°C See outdoor unit spec table															
Target temperature range	Heating	Room temperature	°C 10-30															
		Flow temperature	°C 25-60															
		Room temperature	°C -															
	Cooling	Room temperature	°C -															
		Flow temperature	°C -															
		DHW	°C 40-60															
Legionella prevention	°C 60-70																	
Sound pressure level (SPL)	dB (A)	28																

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<Reversible cylinder unit>

Model name	Type	Small capacity		Medium capacity			
		ERST200-VM2C	ERST200-MEC	ERST200-VM2C	ERST200-MEC		
Heating and cooling							
Immersion heater		-	-	-	-		
Expansion vessel		x	-	x	-		
Booster heater		x	-	x	-		
Dimensions	HxWxD	mm 1600x595x680					
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	-	2	-
		Current	A	9	-	9	-
		Breaker size	A	16	-	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 0-35*1					
	Outdoor	Heating	°C See outdoor unit spec table				
Target temperature range	Heating	Room temperature	°C 10-30				
		Flow temperature	°C 25-60				
		Room temperature	°C -				
	Cooling	Room temperature	°C -				
		Flow temperature	°C 5-25				
		DHW	°C 40-60				
Legionella prevention	°C 60-70						
Sound pressure level (SPL)	dB (A)	28					

*1 The indoor 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	Type	Small capacity		Medium capacity		Large capacity		
		ERSD-VM2C	ERSC-MEC	ERSC-VM2C	ERSE-MEC	ERSE-VM9EC		
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	-	400/Three/50	
		Capacity	kW	2	-	2	-	9 (3/6/9)
		Current	A	9	-	9	-	13
		Breaker size	A	16	-	16	-	16
Guaranteed operating range*1	Ambient	°C 0-35*1						
	Outdoor	Heating	°C See outdoor unit spec table					
Target temperature range	Heating	Room temperature	°C 10-30					
		Flow temperature	°C 25-60					
		Room temperature	°C -					
	Cooling	Room temperature	°C -					
		Flow temperature	°C 5-25					
		DHW	°C 40-60					
Legionella prevention	°C 60-70							
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.

Outdoor unit


Model name	Eco Inverter	Power Inverter									
		SUHZ-SW45VA (H)*1	PUHZ-SW50VKA (-BS)	PUHZ-SW75VYAA (-BS)	PUHZ-SW100YAA (-BS)	PUHZ-SW75VHA (-BS)	PUHZ-SW100VHA (-BS)	PUHZ-SW120VHA (-BS)	PUHZ-SW150YKA (-BS)	PUHZ-SW160YKA (-BS)	PUHZ-SW200YKA (-BS)
Dimensions	HxWxD	mm 880x840x330									
Product weight (empty)	kg	54	43	92/104	114/126	75	118/130	118/130	136	136	
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, 8.00, 11.20, 16.00, 22.00, 25.00									
	COP	5.06, 4.42, 4.40, 4.46, 4.40, 4.45, 4.10, 4.20, 4.00									
Heating (A2/W35)	Capacity	kW 0.899, 1.244, 1.818, 2.517, 3.902, 5.238, 6.250									
	COP	3.40/3.04, 2.97, 3.40, 3.32, 3.40, 3.32, 3.24, 3.11, 2.80									
Cooling (A35/W7)	Capacity	kW 4.00, 4.60, 7.10, 10.00, 7.50, 10.00, 12.00, 16.00, 20.00									
	EER	2.73, 2.76, 2.70, 2.83, 2.82, 2.75, 2.32, 2.76, 2.25									
Cooling (A35/W18)	Capacity	kW 1.405, 1.630, 2.340, 3.309, 5.388, 5.797, 8.889									
	EER	3.80, 5.00, 7.10, 10.00, 7.10, 10.00, 14.00, 18.00, 22.00									
Sound pressure level (SPL)	Heating	dB (A) 52, 46, 43, 47, 51, 54, 54, 62, 62									
	Cooling	dB (A) 61, 63, 58, 60, 68, 70, 72, 78, 78									
Operating current (max)	A	12.0, 13.0, 22.0/11.5, 28.0/12.0, 17.0, 29.5/13.0, 29.5/13.0, 19.0, 21.0									
	Breaker size	A 20, 16, 25.0/16.0, 32.0/16.0, 25, 32/16, 25, 32									
Piping	Diameter	mm 6.35/12.7, 6.35/12.7, 9.52/15.88, 9.52/15.88, 9.52/15.88, 9.52/15.88, 12.7/25.4									
	Max. length	m 30, 40, 40, 75, 40, 75, 80, 80									
	Max. height	m 30, 30, 10, 10, 30, 30, 30, 30, 30									
Guaranteed operating range	Heating	°C -15 to +24, -15 to +21, -20 to +24, -20 to +24, -20 to +21, -20 to +21, -20 to +21, -20 to +21, -20 to +21, -20 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, -20 to +35, -20 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									

Model name	ZUBADAN						
	PUHZ-SHW80VYAA (-BS)	PUHZ-SHW112VYAA (-BS)	PUHZ-SHW80VHA	PUHZ-SHW112VYHA	PUHZ-SHW140YHA	PUHZ-SHW230YKA2	
Dimensions	mm 1020x1050x480						
Product weight (empty)	kg 116/128, 116/128, 120, 120/134, 134, 149						
Power supply (V/Phase/Hz)		VHA : 230/Single/50 YHA, YKA : 400/Three/50					
Heating (A7/W35)	Capacity	kW 8.00, 11.20, 8.00, 11.20, 14.00, 23.00					
	COP	4.65, 4.40, 4.65, 4.46, 4.22, 3.65					
Heating (A2/W35)	Capacity	kW 8.00, 11.20, 8.00, 11.20, 14.00, 23.00					
	COP	3.55, 3.22, 3.55, 3.34, 2.96, 2.37					
Cooling (A35/W7)	Capacity	kW 7.10, 10.00, 7.10, 10.00, 12.50, 20.00					
	EER	3.31, 2.83, 3.31, 2.83, 2.17, 2.22					
Cooling (A35/W18)	Capacity	kW 7.10, 10.00, 7.10, 10.00, 12.50, 20.00					
	EER	4.52, 4.74, 4.52, 4.74, 4.26, 3.55					
Sound pressure level (SPL)	Heating	dB (A) 45, 47, 51, 52, 52, 59					
	Cooling	dB (A) 59, 60, 69, 70, 70, 75					
Operating current (max)	A	22.0/13.0, 28.0/13.0, 29.5, 35.0/13.0, 13.0, 26.0					
	Breaker size	A 25.0/16.0, 32.0/16.0, 32, 40/16, 16, 32					
Piping	Diameter	mm 9.52/15.88, 9.52/15.88, 9.52/15.88, 9.52/15.88, 9.52/15.88, 12.7/25.4					
	Max. length	m 75, 75, 75, 75, 75, 80					
	Max. height	m 30, 30, 30, 30, 30, 30					
Guaranteed operating range	Heating	°C -28 to +24, -28 to +24, -28 to +21, -28 to +21, -28 to +21, -25 to +21					
	DHW	°C -28 to +35, -28 to +35, -28 to +35, -28 to +35, -28 to +35, -25 to +35					
	Cooling*2	°C -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.

Split type	Small capacity (Under 5kW)*	Medium capacity (7.5kW-14kW)*	Large capacity (≥16kW)*
ZUBADAN	 PUHZ-SW50	   PUHZ-SW75 PUHZ-SW75/100AA PUHZ-SW100/120	 PUHZ-SW230
POWER INVERTER	 SUHZ-SW45	   PUHZ-SW75 PUHZ-SW75/100AA PUHZ-SW100/120	 PUHZ-SW160/200