

Split Type Specifications

Indoor unit

<Cylinder unit (Heating only)>				Small capacity			
Model name				EHST17D-VM2D	EHST20D-VM2D	EHST20D-VM9D	EHST30D-VM9ED
Type			Heating only				
Expansion vessel				✓	✓	✓	—
Booster heater (2/6/9 kW)				✓	✓	✓	✓
Dimensions		HxWxD	mm	1400x595x680	1600x595x680		2050x595x680
Weight (empty)			kg	93	99	102	117
Control Board Power supply (Phase / V / Hz)				~ /N, 230V, 50Hz	~ /N, 230V, 50Hz	~ /N, 230V, 50Hz	~ /N, 230V, 50Hz
Heater	Booster heater	Power supply (Phase / V / Hz)		~ /N, 230V, 50Hz	~ /N, 230V, 50Hz	3 ~, 400V, 50Hz	3 ~, 400V, 50Hz
		Capacity	kW	2	2	3+6	3+6
		Current	A	9	9	13	13
		Breaker size	A	16	16	16	16
Domestic hot water tank	Volume / Material		L / -	170 / Stainless steel	200 / Stainless steel		300 / Stainless steel
Guaranteed operating range *1	Ambient		°C	0 - 35 (≦80%RH)			
	Outdoor	Heating	°C	See outdoor unit spec table			
		Cooling	°C	—			
Target temperature range	Heating	Room temperature	°C	10 - 30			
		Flow temperature	°C	20 - 60			
	Cooling	Room temperature	°C	—			
		Flow temperature	°C	—			
DHW tank performance	Max. hot water temperature		°C	70			
	Water heater energy efficiency class			A+		A - A+	
Sound pressure level (PWL)			dB (A)	41			

*1 The indoor environment must be frost-free

*2 For the model without booster heater and immersion heater, the maximum allowable hot water temperature is 3°C lower than maximum outlet water of outdoor unit.
For the maximum outlet water of outdoor unit, refer to outdoor unit data book.

<Cylinder unit (Heating only)>				Medium capacity				
Model name				EHST20C-VM2D	EHST20C-VM6D	EHST20C-VM9D	EHST30C-VM6ED	EHST30C-VM9ED
			Type	Heating only				
			Expansion vessel	✓	✓	✓	—	—
			Booster heater (2/6/9kW)	✓	✓	✓	✓	✓
Dimensions		HxWxD	mm	1600x595x680			2050x595x680	
Weight (empty)			kg	110	110	112	122	124
Control Board Power supply (Phase / V / Hz)				~ /N,230V, 50Hz	~ /N,230V, 50Hz	~ /N,230V, 50Hz	~ /N,230V, 50Hz	~ /N,230V, 50Hz
Heater	Booster heater	Power supply (Phase / V / Hz)		~ /N,230V, 50Hz	~ /N,230V, 50Hz	3 ~ 400V, 50Hz	~ /N,230V, 50Hz	3 ~ 400V, 50Hz
		Capacity	kW	2	2+4	3+6	2+4	3+6
		Current	A	9	26	13	26	13
		Breaker size	A	16	32	16	32	16
Domestic hot water tank	Volume / Material		L / -	200 / Stainless steel			300 / Stainless steel	
Guaranteed operating range *1	Ambient		°C	0 - 35 (≦80%RH)				
	Outdoor	Heating	°C	See outdoor unit spec table				
		Cooling	°C	—				
Target temperature range	Heating	Room temperature	°C	10 - 30				
		Flow temperature	°C	20 - 60				
	Cooling	Room temperature	°C	—				
		Flow temperature	°C	—				
DHW tank performance	Max. hot water temperature		°C	70				
	Water heater energy efficiency class			A+			A	
Sound pressure level (PWL)			dB (A)	40				

*1 The indoor environment must be frost-free

*2 For the model without booster heater and immersion heater, the maximum allowable hot water temperature is 3°C lower than maximum outlet water of outdoor unit.
For the maximum outlet water of outdoor unit, refer to outdoor unit data book.

<Hydro box (Heating only)>			Small capacity		Medium capacity			Large capacity	
Model name			EHSD-VM2D	EHSD-VM9D	EHSC-VM2D	EHSC-VM6D	EHSC-VM9D	EHSE-VM9ED	
Type			Heating only						
Expansion vessel			✓	✓	✓	✓	✓	—	
Booster heater (2/6/9 kW)			✓	✓	✓	✓	✓	✓	
Dimensions		HxWxD	mm	800x530x360					950x600x360
Weight (empty)		kg	43	44	47	48	48	63	
Control Board Power supply (Phase / V / Hz)			~ /N,230V, 50Hz	~ /N,230V, 50Hz	~ /N,230V, 50Hz	~ /N,230V, 50Hz	~ /N,230V, 50Hz	~ /N,230V, 50Hz	
Heater	Booster heater	Power supply (V / Phase / Hz)		~ /N,230V, 50Hz	3 ~ 400V, 50Hz	~ /N,230V, 50Hz	~ /N,230V, 50Hz	3 ~ 400V, 50Hz	3 ~ 400V, 50Hz
		Capacity	kW	2	3+6	2	2+4	3+6	3+6
		Current	A	9	13	9	26	13	13
		Breaker size	A	16	16	16	32	16	16
Guaranteed operating range *1	Ambient		L / -	0 - 35 (≤80%RH)					
	Outdoor	Heating	°C	See outdoor unit spec table					
		Cooling	°C	—					
Target temperature range	Heating	Room temperature	°C	10 - 30					
		Flow temperature	°C	20 - 60					
	Cooling	Room temperature	°C	—					
		Flow temperature	°C	—					
Sound pressure level (PWL)			dB (A)	41		40		45	

*1 The indoor environment must be frost-free.

Split Type Specifications

Indoor unit

<Cylinder unit (Reversible)>				Small capacity		
Model name				ERST17D-VM2D	ERST20D-VM2D	ERST30D-VM2ED
Type				Heating and Cooling		
Expansion vessel				✓	✓	
Booster heater (2/6/9kW)				✓	✓	✓
Dimensions		HxWxD	mm	1400x595x680	1600x595x680	2050x595x680
Weight (empty)			kg	94	100	115
Control Board Power supply (Phase / V / Hz)				~/N, 230V, 50Hz	~/N, 230V, 50Hz	~/N, 230V, 50Hz
Heater	Booster heater	Power supply (V / Phase / Hz)		~/N, 230V, 50Hz	~/N, 230V, 50Hz	~/N, 230V, 50Hz
		Capacity	kW	2	2	2
		Current	A	9	9	9
		Breaker size	A	16	16	16
Domestic hot water tank	Volume / Material		L / -	170 / Stainless steel	200 / Stainless steel	300 / Stainless steel
Guaranteed operating range *1	Ambient		°C	0 - 35 (≦ 80%RH)		
	Outdoor	Heating	°C	See outdoor unit spec table		
		Cooling	°C	See outdoor unit spec table *2		
Target temperature range	Heating	Room temperature	°C	10 - 30		
		Flow temperature	°C	20 - 60		
	Cooling	Room temperature	°C	-		
		Flow temperature	°C	5 - 25		
DHW tank performance	Max. hot water temperature		°C	70		
	Water heater energy efficiency class			A ⁺		A - A ⁺
Sound pressure level (PWL)			dB (A)	41		

*1 The indoor environment must be frost-free.

*2 During cooling operation at low outdoor temperature (10°C or lower), frozen water may cause damage on plate heat exchanger.

<Cylinder unit (Reversible)>				Medium capacity	
Model name				ERST20C-VM2D	ERST30C-VM2ED
Type			Heating and Cooling		
Expansion vessel			✓		
Booster heater (2/6/9kW)			✓		✓
Dimensions		HxWxD	mm	1600x595x680	2050x595x680
Weight (empty)			kg	110	122
Control Board Power supply (Phase / V / Hz)				~/N, 230V, 50Hz	~/N, 230V, 50Hz
Heater	Booster heater	Power supply (V / Phase / Hz)		~/N, 230V, 50Hz	~/N, 230V, 50Hz
		Capacity	kW	2	2
		Current	A	9	9
		Breaker size	A	16	16
Domestic hot water tank	Volume / Material		L / -	200 / Stainless steel	300 / Stainless steel
Guaranteed operating range *1	Ambient		°C	0 - 35 (≦80%RH)	
	Outdoor	Heating	°C	See outdoor unit spec table	
		Cooling	°C	See outdoor unit spec table *2	
Target temperature range	Heating	Room temperature	°C	10 - 30	
		Flow temperature	°C	20 - 60	
	Cooling	Room temperature	°C	-	
		Flow temperature	°C	5 - 25	
DHW tank performance	Max. hot water temperature		°C	70	
	Water heater energy efficiency class			A ⁺	A
Sound pressure level (PWL)			dB (A)	40	

*1 The indoor environment must be frost-free.

*2 During cooling operation at low outdoor temperature (10°C or lower), frozen water may cause damage on plate heat exchanger.

<Hydro box (Reversible)>				Small capacity	Medium capacity	Large capacity	
Model name				ERSD-VM2D	ERSC-VM2D	ERSE-MED	ERSE-YM9ED
				Heating and Cooling			
				Expansion vessel			
Booster heater (2/6/9kW)				✓	✓	-	✓
Dimensions		HxWxD	mm	800x530x360		950x600x360	
Weight (empty)			kg	44	48	62	64
Control Board Power supply (Phase / V / Hz)				~N, 230V, 50Hz	~N, 230V, 50Hz	~N, 230V, 50Hz	~N, 230V, 50Hz
Heater	Booster heater	Power supply (V / Phase / Hz)		~N, 230V, 50Hz	~N, 230V, 50Hz	-	3~，400V, 50Hz
		Capacity	kW	2	2	-	3+6
		Current	A	9	9	-	13
		Breaker size	A	16	16	-	16
Guaranteed operating range *1	Ambient	°C		0 - 35 (≦80%RH)			
	Outdoor	Heating	°C	See outdoor unit spec table			
		Cooling	°C	See outdoor unit spec table *2			
Target temperature range	Heating	Room temperature	°C	10 - 30			
		Flow temperature	°C	20 - 60			
	Cooling	Room temperature	°C	-			
		Flow temperature	°C	5 - 25			
Sound pressure level (PWL)			dB (A)	41	40	45	

*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.

Split Type Specifications

Outdoor unit

Outdoor unit				Eco Inverter		
Model name				SUZ-SWM40VA	SUZ-SWM60VA	SUZ-SWM80VA
Refrigerant				R32*1		
Dimensions		HxWxD	mm	880×840×330	880×840×330	880×840×330
Weight			kg	54	54	54
Power supply (V / Phase / Hz)				230 / 1-ph / 50	230 / 1-ph / 50	230 / 1-ph / 50
Heating	A7W35*2	Nominal	kW	4.0	6.0	7.5
		COP		5.20	4.86	4.70
	A2W35*2	Nominal	kW	4.0	5.0	6.5
		COP		3.90	3.33	3.40
Average climate water outlet 35°C*3		Class		A+++	A+++	A+++
		ηs		180	181	182
Average climate water outlet 55°C*3		Class		A++	A++	A++
		ηs		129	130	131
DHW 200L(L) Load Profile (Average climate)*4		Class		A+	A+	A+
		ηwh		159	148	148
Max outlet water temperature (°C)				60	60	60
Cooling	A35W7*2	Nominal	kW	4.5	5.0	5.4
		EER		3.29	3.03	3.00
	A35W18*2	Nominal	kW	5.6	6.0	6.3
		EER		4.97	4.88	4.80
PWL (Heating)*5			dB(A)	58	60	62
Max operating current			A	13.9	13.9	13.9
Breaker size			A	16	16	16
Piping	Diameter	Liquid/Gas	mm	6.35 / 12.7	6.35 / 12.7	6.35 / 12.7
	Length	Out-In	m	5-30	5-30	5-30
	Height	Out-In	m	Max 30	Max 30	Max 30
Guaranteed Operating Range	Heating		°C	-20°C~24°C	-20°C~24°C	-20°C~24°C
	DHW		°C	-20°C~35°C	-20°C~35°C	-20°C~35°C
	Cooling		°C	10°C~46°C	10°C~46°C	10°C~46°C

Outdoor unit

Outdoor unit				Power Inverter, Heating only			ZUBADAN, Heating only			
Model name				PUD-SWM80V/YAA	PUD-SWM100V/YAA	PUD-SWM120V/YAA	PUD-SHWM80V/YAA	PUD-SHWM100V/YAA	PUD-SHWM120V/YAA	PUD-SHWM140V/YAA
Refrigerant				R32*1						
Dimensions		HxWxD	mm	1020x1050x480	1020x1050x480	1020x1050x480	1020x1050x480	1020x1050x480	1020x1050x480	1020x1050x480
Weight			kg	101/114	105/118	105/118	102/115	108/121	108/121	110/122
Power supply (V / Phase / Hz)				VAA: 230 / 1-ph / 50, YAA: 400 / 3-ph / 50						
Heating	A7W35*2	Nominal	kW	6.0	8.0	10.0	6.0	8.0	10.0	12.0
		COP		4.76	5.00	4.70	5.03	5.00	4.80	4.70
	A2W35*2	Nominal	kW	8.0	10.0	12.0	8.0	10.0	12.0	14.0
		COP		3.55	3.30	3.24	3.75	3.45	3.30	3.05
Average climate water outlet 35°C*3		Class		A+++	A+++	A+++	A+++	A+++	A+++	A+++
		ηs		178/176	178/177	177/176	181/179	180/178	179/177	179/177
Average climate water outlet 55°C*3		Class		A++	A++	A++	A++	A++	A++	A++
		ηs		131/130	131/130	129/128	135/134	136/135	135/134	134/134
DHW 200L(L)/300L(XL) Load Profile (Average climate)*4		Class		A+ / A	A+ / A	A+ / A	A+ / A	A+ / A	A+ / A	A+ / A
		ηwh		148/121	148/121	148/121	148/121	148/121	148/121	145/121
Max outlet water temperature (°C)				60	60	60	60	60	60	60
PWL (Heating)*5			dB(A)	56	59	60	56	59	60	62
Max operating current			A	22/8	26/10	28/12	22/8	26/10	28/12	35/12
Breaker size			A	25/16	30/16	32/16	25/16	30/16	32/16	40/16
Piping	Diameter	Liquid/Gas	mm	6.35/12.7	6.35/12.7	6.35/12.7	6.35/12.7	6.35/12.7	6.35/12.7	6.35/12.7
	Length	Out-In	m	2 - 30	2 - 30	2 - 30	2 - 30	2 - 30	2 - 30	2 - 25
	Height	Out-In	m	Max. 30	Max. 30	Max. 30	Max. 30	Max. 30	Max. 30	Max. 25
Guaranteed Operating Range	Heating		°C	-25°C~24°C	-25°C~24°C	-25°C~24°C	-28°C~24°C	-28°C~24°C	-28°C~24°C	-28°C~24°C
	DHW		°C	-25°C~35°C	-25°C~35°C	-25°C~35°C	-28°C~35°C	-28°C~35°C	-28°C~35°C	-28°C~35°C

*1 Refrigerant leakage contribute to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP, if leaked to the atmosphere. This appliance contains a refrigerant fluid with a GWP equal to 550. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 550 times higher than 1 kg of CO₂, over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional. The GWP of R32 is 675 in the IPCC 4th Assessment Report.

*2 Air-to-Water values are measured based on EN14511 (Circulation pump input is not included.).

*3 ηs values are measured based on EN14825. *4 ηwh values are measured based on EN16147. *5 Sound power levels are measured based on EN12102.

Split type

Small capacity (Under 5kW)*

Medium capacity (8.0kW~14kW)*



Eco Inverter



SUZ-SWM40/60



PUD-SHWM80/100/120/140



PUD-SWM80/100/120



SUZ-SWM80

*Rated capacity is at conditions A2W35. (according to EN14511)

Split Type Specifications

Outdoor unit

Outdoor unit				Power Inverter				
Model name				PUHZ-SW75V/YAA(-BS)	PUHZ-SW100V/YAA(-BS)	PUHZ-SW120V/YHA(-BS)	PUHZ-SW160YKA(-BS)	PUHZ-SW200YKA(-BS)
Refrigerant				R410A*1				
Dimensions		HxWxD	mm	1020x1050x480	1020x1050x480	1350x950x330	1338x1050x330	1338x1050x330
Weight			kg	92/104	114/126	118/130	136	136
Power supply (V / Phase / Hz)				VAA, VHA: 230 / 1-ph / 50, YAA, YHA, YKA: 400 / 3-ph / 50				
Heating	A7W35*2	Nominal	kW	8.0	11.2	16.0	22.0	25.0
		COP		4.40	4.46	4.10	4.20	4.00
	A2W35*2	Nominal	kW	7.5	10.0	12.0	16.0	20.0
		COP		3.40	3.32	3.24	3.11	2.80
Average climate water outlet 35°C*3		Class		A++	A++	A++	A++	A++
		ηs		162/160	167/165	162/162	161	163
Average climate water outlet 55°C*3		Class		A++	A++	A++	A++	A++
		ηs		129/128	130/129	125/125	125	127
DHW 200L(L)/300L(XL) Load Profile (Average climate)*4		Class		A+ / A	A+ / A	A+ / A	–	–
		ηwh		145/120	145/120	138/118	–	–
Max outlet water temperature (°C)				60	60	60	–	–
Cooling	A35W7*2	Nominal	kW	7.1	10.0	12.5	16.0	20.0
		EER		2.70	2.83	2.32	2.76	2.25
	A35W18*2	Nominal	kW	7.1	10.0	14.0	18.0	22.0
		EER		4.43	4.47	4.08	4.56	4.1
PWL (Heating)*5			dB(A)	58	60	72	78	78
Max operating current			A	22.0/11.5	28.0/12.0	29.5/13.0	19.0	21.0
Breaker size			A	25/16	32/16	32/16	25	32
Piping	Diameter	Liquid/Gas	mm	9.52/15.88	9.52/15.88	9.52/15.88	9.52/25.4	12.7/25.4
	Length	Out-In	m	40	75	75	80	80
	Height	Out-In	m	10	10	30	30	30
Guaranteed Operating Range	Heating		°C	–20°C–21°C	–20°C–21°C	–20°C–21°C	–20°C–21°C	–20°C–21°C
	DHW		°C	–20°C–35°C	–20°C–35°C	–20°C–35°C	–20°C–35°C	–20°C–35°C
	Cooling		°C	–15°C–46°C	–15°C–46°C	–15°C–46°C	–15°C–46°C	–15°C–46°C

				ZUBADAN			
Model name				PUHZ-SHW80V/YAA(-BS)	PUHZ-SHW112V/YAA	PUHZ-SHW140YHA	PUHZ-SHW230YKA2
Refrigerant				R410A*1			
Dimensions		HxWxD	mm	1020x1050x480	1020x1050x480	1350x950x330	1338x1050x330
Weight			kg	116/128	116/128	134	143
Power supply (V / Phase / Hz)				VAA, VHA: 230 / 1-ph / 50, YAA, YHA, YKA: 400 / 3-ph / 50			
Heating	A7W35*2	Nominal	kW	8.0	11.2	14.0	23.0
		COP		4.65	4.40	4.22	3.65
	A2W35*2	Nominal	kW	8.0	11.2	14.0	23.0
		COP		3.55	3.22	2.96	2.37
Average climate water outlet 35°C*3		Class		A++	A++	A++	A++
		ηs		169/167	171/169	163	164
Average climate water outlet 55°C*3		Class		A++	A++	A++	A++
		ηs		133/132	135/135	127	127
DHW 200L(L)/300L(XL) Load Profile (Average climate)*4		Class		A+ / A	A+ / A	A+ / A	–
		ηwh		145/120	145/120	138/118	–
Max outlet water temperature (°C)				60	60	60	60
Cooling	A35W7*2	Nominal	kW	7.1	10.0	12.5	20.0
		EER		3.31	2.83	2.17	2.22
	A35W18*2	Nominal	kW	7.1	10	12.5	20.0
		EER		4.52	4.74	4.26	3.55
PWL (Heating)*5			dB(A)	59	60	70	75
Max operating current			A	22/13	28/13	13	20
Breaker size			A	25/16	32/16	16	25
Piping	Diameter	Liquid/Gas	mm	9.52/15.88	9.52/15.88	9.52/15.88	12.7/25.4
	Length	Out-In	m	75	75	75	80
	Height	Out-In	m	30	30	30	30
Guaranteed Operating Range	Heating		°C	–28°C~–21°C	–28°C~–21°C	–28°C~–21°C	–25°C~–21°C
	DHW		°C	–28°C~–35°C	–28°C~–35°C	–28°C~–35°C	–25°C~–35°C
	Cooling		°C	–15°C~–46°C	–15°C~–46°C	–15°C~–46°C	–15°C~–46°C

*1 Refrigerant leakage contribute to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP, if leaked to the atmosphere. This appliance contains a refrigerant fluid with a GWP equal to 550. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 550 times higher than 1 kg of CO₂, over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional. The GWP of R410A is 2088 in the IPCC 4th Assessment Report.

*2 Air-to-Water values are measured based on EN14511 (Circulation pump input is not included.).

*3 ηs values are measured based on EN14825. *4 ηwh values are measured based on EN16147. *5 Sound power levels are measured based on EN12102.

R410A	Split type	Medium capacity (7.5kW–14kW)		Large capacity (≥16kW)	
			PUHZ-SHW140		PUHZ-SHW230
			PUHZ-SW120		PUHZ-SW160/200