

Split Type Specifications

Outdoor unit

Model name				Power Inverter						
				PUHZ-SW75V/YAA(-BS)	PUHZ-SW100V/YAA(-BS)	PUHZ-SW120V/YHA(-BS)	PUHZ-SW160YKA(-BS)	PUHZ-SW200YKA(-BS)		
Refrigerant				R410A*1						
Dimensions		H×W×D	mm	1020×1050×480	1020×1050×480	1350×950×330	1338×1050×330	1338×1050×330		
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		

Model name				ZUBADAN					
				PUHZ-SHW80V/YAA(-BS)	PUHZ-SHW112V/YAA	PUHZ-SHW140YHA	PUHZ-SHW230YKA2		
Refrigerant				R410A*1					
Dimensions		H×W×D	mm	1020×1050×480	1020×1050×480	1350×950×330	1338×1050×330		
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 us 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)	
					
					

Split Type Specifications

Indoor unit

<Cylinder unit (Heating only)>

Model name			Small capacity												
			EHST17D-VM2D	EHST20D-MED	EHST20D-VM2D	EHST20D-VM6D	EHST20D-VM9D	EHST20D-VM9ED	EHST20D-TM9D	EHST30D-MED	EHST30D-VM6ED	EHST30D-VM9ED	EHST30D-TM9ED		
Type			Heating only												
Expansion vessel			✓	—	✓	✓	✓	✓	✓	—	—	—	—		
Booster heater (2/6/9 kW)			✓	—	✓	✓	✓	✓	✓	—	✓	✓	✓		
Dimensions	HxWxD	mm	1400x595x680	1600x595x680						2050x595x680					
Weight (empty)		kg	93	98	104	105	106	101	106	113	115	116	116		
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	~ /N, 230V, 50Hz	~ /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	~ /N, 230V, 50Hz	3 ~, 400V, 50Hz	3 ~, 400V, 50Hz	3 ~, 230V, 50Hz	—	~ /N, 230V, 50Hz	3 ~, 400V, 50Hz	3 ~, 230V, 50Hz		
		Capacity	kW	2	—	2	2+4	3+6	3+6	3+6	—	2+4	3+6	3+6	
		Current	A	9	—	9	26	13	13	23	—	26	13	23	
		Breaker size	A	16	—	16	32	16	16	32	—	32	16	32	
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	*2	70						*2	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)>

Model name			Medium capacity											
			EHST20C-MED	EHST20C-VM2D	EHST20C-VM6D	EHST20C-VM9D	EHST20C-VM9ED	EHST20C-TM9D	EHST30C-MED	EHST30C-VM6ED	EHST30C-VM9ED	EHST30C-TM9ED		
Type			Heating only											
Expansion vessel			—	✓	✓	✓	—	✓	—	—	—	—		
Booster heater (2/6/9 kW)			—	✓	✓	✓	✓	✓	—	✓	✓	✓		
Dimensions	HxWxD	mm	1600x595x680						2050x595x680					
Weight (empty)		kg	106	113	114	115	109	115	118	120	121	121		
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	~ /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	3 ~, 400V, 50Hz	3 ~, 400V, 50Hz	—	~ /N, 230V, 50Hz	3 ~, 400V, 50Hz	3 ~, 230V, 50Hz		
		Capacity	kW	—	2	2+4	3+6	3+6	3+6	—	2+4	3+6	3+6	
		Current	A	—	9	26	13	13	23	—	26	13	23	
		Breaker size	A	—	16	32	16	16	32	—	32	16	32	
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	*2	70						*2	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)>

Model name			Small capacity						Medium capacity					Large capacity			
			EHSD-MED	EHSD-VM2D	EHSD-VM6D	EHSD-VM9D	EHSD-VM9ED	EHSD-TM9D	EHSC-MED	EHSC-VM2D	EHSC-VM6D	EHSC-VM9D	EHSC-VM9ED	EHSC-TM9D	EHSE-VM9ED	EHSE-MED	
Type			Heating only														
Expansion vessel			—	✓	✓	✓	—	✓	—	✓	✓	✓	—	✓	—		
Booster heater (2/6/9 kW)			—	✓	✓	✓	✓	✓	—	✓	✓	✓	✓	✓			
Dimensions	HxWxD	mm	800x530x360										950x600x360				
Weight (empty)		kg	36	43	44	44	40	44	40	47	48	48	43	48	63	61	
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	~ /N, 230V, 50Hz	~ /N, 230V, 50Hz	~ /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	~ /N, 230V, 50Hz	3 ~, 400V, 50Hz	3 ~, 400V, 50Hz	3 ~, 230V, 50Hz	—	~ /N, 230V, 50Hz	~ /N, 230V, 50Hz	3 ~, 400V, 50Hz	3 ~, 400V, 50Hz	3 ~, 230V, 50Hz	3 ~, 400V, 50Hz	—	
		Capacity	kW	—	2	2+4	3+6	3+6	3+6	—	2	2+4	3+6	3+6	3+6	—	
		Current	A	—	9	26	13	13	23	—	9	26	13	13	23	13	
		Breaker size	A	—	16	32	16	16	32	—	16	32	16	16	32	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.