Split Type Specifications

R32

PUZ-S(H)WM+E-generation

Model name				Standard					ZUBADAN				
				PUZ-SWM60VAA	PUZ-SWM80V/YAA	PUZ-SWM100V/YAA	PUZ-SWM120V/YAA	PUZ-SWM140V/YAA	PUZ-SHWM60VAA	PUZ-SHWM80V/YAA	PUZ-SHWM100V/YAA	PUZ-SHWM120V/YAA	PUZ-SHWM140V/YAA
Refrigerant				R32*1									
Dimensions		HxWxD	mm	1040x1050x480									
Weight			kg	104.5	104.5/113.5	105.5/113.5	112/124.5	113.5/124.5	106	106/115	106.5/115	113.5/125.5	114.5/126
Power supply				V: 230 / 1-ph / 50, Y: 400 / 3-ph / 50									
Heating	A7W35*2	Nominal	kW	5.00	6.00	8.00	10.00	12.00	5.00	6.00	8.00	10.00	12.00
		COP		5.02	5.02	5.02	4.87	4.77	5.05	5.05	5.05	4.90	4.85
	A2W35*2	Nominal	kW	6.00	8.00	10.00	12.10	14.00	6.00	8.00	10.00	12.10	14.00
		COP		3.75	3.70	3.47	3.27	3.27	3.85	3.80	3.55	3.35	3.30
Average climate water outlet 35°C*3		Class		A+++	A+++	A+++	A+++	A+++	A+++	A+++	A+++	A+++	A+++
		ηs	%	185%	184%/184%	181%/180%	179%/179%	178%/177%	188%	188%/187%	186%/186%	182%/182%	185%/185%
Average climate water outlet 55°C*3		Class		A++	A++	A++	A++	A++	A++	A++	A++	A++	A++
		ηs	%	129%	130%/130%	134%/134%	133%/132%	136%/135%	131%	134%/133%	138%/138%	138%/138%	142%/142%
DHW 200L(L) Load Profile (Average climate)*4		Class		A+	A+	A+	A+	A+	A+	A+	A+	A+	A+
		ηwh	%	137%	137%	137%	137%	131%	137%	137%	137%	137%	131%
Max outlet water temperature			°C	68					68/70*5				
Cooling	A35W7*2	Nominal	kW	5.10	7.10	9.00	11.00	12.50	5.10	7.10	9.00	11.00	12.50
		COP		3.50	3.30	3.00	2.86	2.62	3.50	3.30	3.00	2.86	2.62
	A35W18*2	Nominal	kW	6.00	8.00	10.00	12.00	14.00	6.00	8.00	10.00	12.00	14.00
		COP		5.40	4.95	4.50	4.50	3.75	5.40	4.95	4.50	4.50	3.75
PWL (Heating)*6			dB(A)	54	54	58	58	58	54	54	58	58	58
Max operating current			A	13.5	17/8	22/9	28/12	28/12	13.5	19/8	27/9	28/12	35/12
Breaker size			A	16	20/16	25/16	32/16	32/16	16	25/16	30/16	32/16	40/16
Piping run	Diameter	Gas	mm	12.7 (15.88)*7					12.7 (15.88)*7				
		Liquid	mm	6.35					6.35				
	Length	Out-In	m	50	50	50	30/50*8	30/50*8	50	50	50	30/50*8	30/50*8
	Height	Out-In	m	30					30				
Guaranteed operation range	Cooling		°C	10~52					10~52				
	Heating		°C	-25 ~24					-30~24				
	DHW		°C	-25 ~42					-30 ~42				

*1 Refrigerant leakage contributes 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 675. This means that if 1 kg of this refrigerant would be leaked to the atmosphere, the impact on global warming would be 550 times higher than 1 kg of CO_2, 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 or calculated based on EN14511:2018.
*3 ηs values are measured based on Commission Regulation (EU) No 813/2013.
*4 ηwh values are measured based on EN16147:2017.
*5 When ΔT is 10°C and the piping length is 15m or less.
*6 Sound power levels are measured based on EN12102:2013.
*7 A diameter of 15.88 is necessary for cooling operation. Please refer to our installation manual for details.
*8 For reversible(heating/cooling operation) with PUZ-S(H)WM120/140, the max piping length is 30m.

R32

PUZ-S(H)WM+D-generation

Model name				Power Inverter					ZUBADAN				
				PUZ-SWM60VAA	PUZ-SWM80V/YAA	PUZ-SWM100V/YAA	PUZ-SWM120V/YAA	PUZ-SWM140V/YAA	PUZ-SHWM60VAA	PUZ-SHWM80V/YAA	PUZ-SHWM100V/YAA	PUZ-SHWM120V/YAA	PUZ-SHWM140V/YAA
Refrigerant			mm	R32*1									
Dimensions		HxWxD	kg	1040x1050x480									
Weight				104.5	104.5/113.5	105.5/113.5	112/124.5	113.5/124.5	106	106/115	106.5/115	113.5/125.5	114.5/126
Power supply (V / Phase / Hz)			kW	VAA: 230 / 1-ph / 50, YAA: 400 / 3-ph / 50									
Heating	A7W35*2	Nominal		5.00	6.00	8.00	10.00	12.00	5.00	6.00	8.00	10.00	12.00
		COP	kW	5.00	5.00	5.00	4.85	4.75	5.05	5.05	5.00	4.85	4.80
	A2W35*2	Nominal		6.00	8.00	10.00	12.00	14.00	6.00	8.00	10.00	12.00	14.00
		COP		3.70	3.65	3.45	3.25	3.24	3.80	3.75	3.50	3.30	3.24
Average climate water outlet 35°C*3		Class		A+++	A+++	A+++	A+++	A+++	A+++	A+++	A+++	A+++	A+++
		ηs		184%	184%/183%	180%/180%	178%/178%	177%/177%	188%	187%/187%	185%/185%	181%/181%	184%/184%
Average climate water outlet 55°C*3		Class		A++	A++	A++	A++	A++	A++	A++	A++	A++	A++
		ηs		128%	130%/130%	134%/133%	132%/132%	135%/135%	131%	133%/133%	138%/137%	138%/137%	142%/142%
DHW 200(L) Load Profile (Average climate)*4		Class		A+	A+	A+	A+	A+	A+	A+	A+	A+	A+
		ηwh		134%	134%	134%	134%	123%	134%	134%	134%	134%	123%
Max outlet water temperature			°C	60					60				
Cooling	A35W7*2	Nominal	kW	5.10	7.10	9.00	10.00	12.50	5.10	7.10	9.00	10.00	12.50
		EER		3.40	3.20	2.95	2.85	2.60	3.40	3.20	2.95	2.85	2.60
	A35W18*2	Nominal	kW	6.00	8.00	10.00	12.00	14.00	6.00	8.00	10.00	12.00	14.00
		EER		5.25	4.90	4.55	4.30	3.62	5.25	4.90	4.55	4.30	3.62
PWL (Heating)*5			dB(A)	54	54	58	58	58	54	54	58	58	58
Max operating current			A	13.5	17/8	22/9	28/12	28/12	13.5	19/8	27/9	28/12	35/12
Breaker size			A	16	20/16	25/16	32/16	32/16	16	25/16	30/16	32/16	40/16
Piping	Diameter	Gas	mm	ø12.7 (15.88)*6					ø12.7 (15.88)*6				
		Liquid	mm	6.35					6.35				
	Length	Out-In	m	50	50	50	30*7	30*7	50	50	50	30*7	30*7
	Height	Out-In	m	30					30				
Guaranteed operation range	Cooling		°C	10°C~52°C					10°C~52°C				
	Heating		°C	-25°C ~24°C					-30°C~24°C				
	DHW		°C	-25°C ~42°C					-30°C ~42°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 CO_2, 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.
*6 A diameter of 15.88 is necessary for cooling operation. Please refer to our installation manual for details.
*7 Maximum piping length can be up to 50m for heating only operation.

Split type	Small capacity (Under 5kW)*	Medium capacity (6.0kW–14kW)*
ZUBADAN New Generation		 PUD-SHWM60/80/100/120/140  PUZ-SHWM60/80/100/120/140
POWER INVERTER		 PUD-SWM60/80/100/120  PUZ-SWM60/80/100/120/140
Eco Inverter	 SUZ-SWM30VA SUZ-SWM40VA2 SUZ-SHWM30/40VA	 SUZ-SWM60VA2  SUZ-SWM80VA2 SUZ-SWM100VA SUZ-SWM80VAH2 SUZ-SWM100VAH SUZ-SHWM60VAH

*Rated capacity is at conditions A2W35. (according to EN14511)
*SUZ rated capacity is at conditions A7W35.