PSA-M SERIES
STANDARD INVERTER

Demand Control (Optional) · Pure White · Long Life · Check! · SWING · ACO · Auto Restart · Low Temp Cooling · Silent · Group Control (Optional) · M-NET connection (Optional) · Wi-Fi Interface (Optional) · COMPO · Cleaning-free pipe routing · Wiring Reuse (Optional)

Pump Down · Flare connection · Self Diagnosis · Failure Recall

Type											
Indoor Unit				PSA-M71KA2	PSA-M100KA2	PSA-M100KA2	PSA-M125KA2	PSA-M125KA2	PSA-M140KA2	PSA-M140KA2
Outdoor Unit				SUZ-M71VA2	PUZ-M100VKA3	PUZ-M100YKA3	PUZ-M125VKA3	PUZ-M125YKA3	PUZ-M140VKA3	PUZ-M140YKA3
Refrigerant (*1)				R32						
Power Supply	Source			Outdoor power supply						
	Outdoor (V/Phase/Hz)			230/Single/50		400/Three/50	230/Single/50	400/Three/50	230/Single/50	400/Three/50
Cooling	Capacity	Rated	kW	7.1	9.4	9.4	12.1	12.1	13.6	13.6
		Min-Max	kW	2.2 - 8.1	3.7 - 10.6	3.7 - 10.6	5.6 - 13.0	5.6 - 13.0	5.8 - 13.7	5.8 - 13.7
	Total Input	Rated	kW	1.973	2.686	2.686	4.482	4.482	5.038	5.038
	EER			3.60	3.50	3.50	2.70	2.70	2.70	2.70
	Design load		kW	7.1	9.4	9.4	12.1	12.1	13.6	13.6
	Annual electricity consumption (*2)		kWh/a	394	591	591	1374	1374	1452	1452
	SEER (*4)			6.3	5.5	5.5	5.29	5.29	5.62	5.62
		Energy efficiency class		A++	A	A	–	–	–	–
	ηsc		%	–	–	–	208.4%	208.4%	221.8%	221.8%
Heating	Capacity	Rated	kW	8.0	11.2	11.2	13.5	13.5	15.0	15.0
		Min-Max	kW	2.1 - 10.2	2.8 - 12.5	2.8 - 12.5	4.8 - 15.0	4.1 - 15.0	4.9 - 15.8	4.9 - 15.8
	Total Input	Rated	kW	2.493	3.247	3.247	4.355	4.355	4.762	4.762
	COP			3.21	3.45	3.45	3.10	3.10	3.15	3.15
	Design load		kW	5.8	8.0	8.0	8.5	8.5	9.4	9.4
	Declared Capacity	at reference design temperature	kW	5.2 (-10°C)	6.0 (-10°C)	6.0 (-10°C)	8.5 (-10°C)	8.5 (-10°C)	9.4 (-10°C)	9.4 (-10°C)
		at bivalent temperature	kW	5.2 (-7°C)	7.0 (-7°C)	7.0 (-7°C)	8.5 (-10°C)	8.5 (-10°C)	9.4 (-10°C)	9.4 (-10°C)
		at operation limit temperature	kW	5.2 (-10°C)	4.5 (-15°C)	4.5 (-15°C)	6.0 (-15°C)	6.0 (-15°C)	7.0 (-15°C)	7.0 (-15°C)
	Back up heating capacity		kW	0.6	2.0	2.0	0.0	0.0	0.0	0.0
	Annual electricity consumption (*2)		kWh/a	2003	2749	2749	3095	3095	3269	3269
	SCOP (*4)			4.0	4.0	4.0	3.84	3.84	4.03	4.03
		Energy efficiency class		A+	A+	A+	–	–	–	–
	ηsh		%	–	–	–	150.8%	150.8%	158.0%	158.0%
Operating Current (Max)			A	15.2	20.7	12.2	27.2	12.2	30.7	12.2
Indoor Unit	Input [Cooling/Heating]	Rated	kW	0.06 / 0.06	0.11 / 0.11	0.11 / 0.11	0.11 / 0.11	0.11 / 0.11	0.11 / 0.11	0.11 / 0.11
	Operating Current (Max)		A	0.4	0.71	0.71	0.73	0.73	0.73	0.73
	Dimensions	H*W*D	mm	1900 - 600 - 360	1900 - 600 - 360	1900 - 600 - 360	1900 - 600 - 360	1900 - 600 - 360	1900 - 600 - 360	1900 - 600 - 360
	Weight		kg	46	46	46	46	46	48	48
	Air Volume (Lo-Mid-Hi)		m^3/min	20 - 22 - 23	25 - 28 - 30	25 - 28 - 30	25 - 28 - 31	25 - 28 - 31	25 - 28 - 31	25 - 28 - 31
	Sound Level (Lo-Mid-Hi) (SPL)		dB(A)	40 - 42 - 44	45 - 49 - 51	45 - 49 - 51	45 - 49 - 51	45 - 49 - 51	45 - 49 - 51	45 - 49 - 51
	Sound Level (PWL)		dB(A)	60	65	65	66	66	66	66
Outdoor Unit	Dimensions	H*W*D	mm	880 - 840 - 330	981 - 1050 - 370	981 - 1050 - 370	981 - 1050 - 370	981 - 1050 - 370	981 - 1050 - 370	981 - 1050 - 370
	Weight		kg	54	76	78	84	86	84	86
	Air Volume	Cooling	m^3/min	50	79	79	86	86	86	86
		Heating	m^3/min	55	77	77	92	92	92	92
	Sound Level (SPL)	Cooling	dB(A)	49	51	51	54	54	56	56
		Heating	dB(A)	51	54	54	56	56	57	57
	Sound Level (PWL)	Cooling	dB(A)	66	70	70	72	72	73	73
	Operating Current (Max)		A	14.8	20.0	11.5	26.5	11.5	30.0	11.5
	Breaker Size		A	20	32	16	32	16	40	16
Ext. Piping	Diameter (*5)	Liquid/Gas	mm	9.52 / 15.88	9.52 / 15.88	9.52 / 15.88	9.52 / 15.88	9.52 / 15.88	9.52 / 15.88	9.52 / 15.88
	Max.Length	Out-In	m	30	55	55	65	65	65	65
	Max.Height	Out-In	m	30	30	30	30	30	30	30
Guaranteed Operating Range (Outdoor)		Cooling (*3)	°C	-15 ~ 46	-15 ~ 46	-15 ~ 46	-15 ~ 46	-15 ~ 46	-15 ~ 46	-15 ~ 46
		Heating	°C	-10 ~ 24	-15 ~ 21	-15 ~ 21	-15 ~ 21	-15 ~ 21	-15 ~ 21	-15 ~ 21

*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 fluid would be leaked to the atmosphere, the impact on global warming would be 675 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 Energy consumption based on standard test results. Actual energy consumption will depend on how the appliance is used and where it is located.
*3 Optional air protection guide is required where ambient temperature is lower than –5°C. Only available for PUZ.
*4 SEER and SCOP are based on 2009/125/EC:Energy-related Products Directive and Regulation(EU) No206/2012.
*5 Joint pipe is required depending on installed refrigerant pipes, outdoor units and indoor units.