PSA-M SERIES
POWER INVERTER

Demand Control (Optional) · Pure White · Long Life · Check! · SWING · ACO · Auto Restart · Low Temp Cooling · Silent · Ampere Limit (71-140V) · Group Control (Optional) · M-NET connection (Optional) · Wi-Fi Interface (Optional) · COMPO · Cleaning-free fine mesh · 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					PUZ-ZM71VHA3	PUZ-ZM100VDA2	PUZ-ZM100YDA2	PUZ-ZM125VDA2	PUZ-ZM125YDA2	PUZ-ZM140VDA2	PUZ-ZM140YDA2
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	9.5	9.5	12.5	12.5	13.4	13.4
		Min-Max		kW	3.3 - 8.1	4.9 - 11.4	4.9 - 11.4	5.1 - 14.0	5.1 - 14.0	5.4 - 15.0	5.4 - 15.0
	Total Input	Rated		kW	1.889	2.494	2.494	4.167	4.167	3.977	3.977
	EER				3.76	3.81	3.81	3.00	3.00	3.37	3.37
	Design load			kW	7.1	9.5	9.5	12.5	12.5	13.4	13.4
	Annual electricity consumption (*2)			kWh/a	388	580	591	1389	1396	1268	1271
	SEER (*4)				6.4	5.7	5.6	5.40	5.37	6.34	6.33
		Energy efficiency class			A++	A+	A+	–	–	–	–
	ηsc			%	–	–	–	213.0%	211.9%	250.6%	250.0%
Heating	Capacity	Rated		kW	7.6	11.2	11.2	14.0	14.0	16.0	16.0
		Min-Max		kW	3.5 - 10.2	2.7 - 14.0	2.7 - 14.0	3.2 - 16.0	3.2 - 16.0	3.7 - 18.0	3.7 - 18.0
	Total Input	Rated		kW	2.339	3.295	3.295	4.828	4.828	5.334	5.334
	COP				3.25	3.40	3.40	2.90	2.90	3.00	3.00
	Design load			kW	4.8	7.8	7.8	9.3	9.3	10.6	10.6
	Declared Capacity	at reference design temperature		kW	4.8 (-10°C)	7.8 (-10°C)	7.8 (-10°C)	9.3 (-10°C)	9.3 (-10°C)	10.6 (-10°C)	10.6 (-10°C)
		at bivalent temperature		kW	4.8 (-10°C)	7.8 (-10°C)	7.8 (-10°C)	9.3 (-10°C)	9.3 (-10°C)	10.6 (-10°C)	10.6 (-10°C)
		at operation limit temperature		kW	3.4 (-20°C)	5.8 (-20°C)	5.8 (-20°C)	7.0 (-20°C)	7.0 (-20°C)	7.9 (-20°C)	7.9 (-20°C)
	Back up heating capacity			kW	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Annual electricity consumption (*2)			kWh/a	1677	2659	2660	3312	3313	3658	3658
	SCOP (*4)				4.0	4.1	4.1	3.93	3.93	4.06	4.06
		Energy efficiency class			A+	A+	A+	–	–	–	–
	ηsh			%	–	–	–	154.3%	154.2%	159.3%	159.3%
Operating Current (Max)				A	19.4	27.2	8.7	27.2	9.7	30.7	9.7
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	943 - 950 - 355	870 - 1100 - 505	870 - 1100 - 505	870 - 1100 - 505	870 - 1100 - 505	870 - 1100 - 505	870 - 1100 - 505
	Weight			kg	67	108	114	108	116	108	121
	Air Volume	Cooling		m^3/min	55	80	80	84	84	97	97
		Heating		m^3/min	55	58	58	77	77	80	80
	Sound Level (SPL)	Cooling		dB(A)	47	44	44	47	47	49	49
		Heating		dB(A)	49	48	48	50	50	51	51
	Sound Level (PWL)	Cooling		dB(A)	67	63	63	66	66	68	68
	Operating Current (Max)			A	19.0	26.5	8.0	26.5	9.0	30.0	9.0
	Breaker Size			A	25	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	55	100	100	100	100	100	100
	Max.Height	Out-In		m	30	30	30	30	30	30	30
Guaranteed Operating Range (Outdoor)		Cooling (*3)		°C	-15 ~ 46	-20 ~ 46	-20 ~ 46	-20 ~ 46	-20 ~ 46	-20 ~ 46	-20 ~ 46
		Heating		°C	-20 ~ 21	-20 ~ 21	-20 ~ 21	-20 ~ 21	-20 ~ 21	-20 ~ 21	-20 ~ 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. *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.