Specifications

Indoor unit						PLA-ZM71EA	PKA-M71KAL	PCA-M71KA	PSA-RP71KA	PEAD-M71JAQ	PEAD-M71JALQ
Outdoor unit						PUHZ-FRP71VHA2	PUHZ-FRP71VHA2	PUHZ-FRP71VHA2	PUHZ-FRP71VHA2	PUHZ-FRP71VHA2	PUHZ-FRP71VHA2
Refrigerant						R410A					
Power supply		Outdoor (V / Phase / Hz)				230 / Single / 50					
Air-to-Air (ATA)	Cooling	Capacity	Rated		kW	7.1	7.1	7.1	7.1	7.1	7.1
			Min-Max		kW	3.3-8.1	3.3-8.1	3.3-8.1	3.3-8.1	3.3-8.1	3.3-8.1
		Total input	Rated		kW	1.88	1.93	1.93	2.15	2.10	2.04
		EER				3.77	3.67	3.67	3.30	3.38	3.48
		Design load			kW	7.1	7.1	7.1	7.1	7.1	7.1
		Annual electricity consumption *1			kWh/a	376	386	384	409	444	427
		SEER *3				6.6	6.4	6.4	6.0	5.5	5.8
			Energy-efficiency class			A^{++}	A^{++}	A^{++}	A^{+}	A	A^{+}
	Heating (average season)	Capacity	Rated		kW	8.0	8.0	8.0	8.0	8.0	8.0
			Min-Max		kW	3.5-10.2	3.5-10.2	3.5-10.2	3.5-10.2	3.5-10.2	3.5-10.2
		Total input	Rated		kW	2.11	2.29	2.29	2.42	2.11	2.11
		COP				3.80	3.50	3.50	3.30	3.79	3.79
		Design load			kW	4.7	4.7	4.7	4.7	4.9	4.9
		Declared capacity	at reference design temperature		kW	4.7 (–10°C)	4.7 (–10°C)	4.7 (–10°C)	4.7 (–10°C)	4.9 (–10°C)	4.9 (–10°C)
			at bivalent temperature		kW	4.7 (–10°C)	4.7 (–10°C)	4.7 (–10°C)	4.7 (–10°C)	4.9 (–10°C)	4.9 (–10°C)
			at operation limit temperature		kW	3.5 (–20°C)	3.5 (–20°C)	3.5 (–20°C)	3.5 (–20°C)	3.7 (–20°C)	3.7 (–20°C)
		Back-up heating capacity			kW	0	0	0	0	0	0
		Annual electricity consumption *1			kWh/a	1,509	1,564	1,556	1,699	1,791	1,791
		SCOP *3				4.3	4.2	4.2	3.8	3.8	3.8
			Energy-efficiency class			A^{+}	A^{+}	A^{+}	A	A	A
Air-to-Water (ATW)	Nominal flow rate (for heating)				L/min	22.90					
	Heating *4	A7W35	Capacity		kW	8.00	8.00	8.00	8.00	8.00	8.00
			Input		kW	1.98	1.98	1.98	1.98	1.98	1.98
			COP			4.05	4.05	4.05	4.05	4.05	4.05
		A2W35	Capacity		kW	7.50	7.50	7.50	7.50	7.50	7.50
			Input		kW	2.67	2.67	2.67	2.67	2.67	2.67
			COP			2.81	2.81	2.81	2.81	2.81	2.81
	Heat recovery (ATA cooling & ATW) *5	W45	Capacity (ATA cooling + ATW)		kW	7.1+8.0	7.1+8.0	7.1+8.0	7.1+8.0	7.1+8.0	7.1+8.0
			Input		kW	1.90	1.93	1.95	2.02	2.15	2.13
			COP			7.95	7.82	7.74	7.48	7.02	7.09
		W55	Capacity (ATA cooling + ATW)		kW	7.1+9.0	7.1+9.0	7.1+9.0	7.1+9.0	7.1+9.0	7.1+9.0
			Input		kW	2.97	3.00	3.02	3.09	3.22	3.20
			COP			5.42	5.37	5.33	5.21	5.00	5.03
	ATW indoor unit					Cylinder unit or Hydro box (see previous page)					
Outdoor unit	Dimensions	HxWxD			mm	943-950-330 (+30)					
	Weight				kg	73	73	73	73	73	73
	Air volume	Cooling			m^3/min	50	50	50	50	50	50
		Heating			m^3/min	50	50	50	50	50	50
	Sound pressure level (SPL)	Cooling			dB(A)	47	47	47	47	47	47
		Heat recovery			dB(A)	47	47	47	47	47	47
		ATA Heating			dB(A)	49	49	49	49	49	49
		ATW Heating			dB(A)	49	49	49	49	49	49
	Sound power level (PWL)	Cooling			dB(A)	67	67	67	67	67	67
		Heat recovery			dB(A)	67	67	67	67	67	67
		ATA Heating			dB(A)	68	68	68	68	68	68
		ATW Heating			dB(A)	68	68	68	68	68	68
	Operating current (max)				A	19.0	19.0	19.0	19.0	19.0	19.0
	Breaker size				A	25	25	25	25	25	25
Ext.piping	Diameter	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
	Max. length	Out-In			m	30 (for ATA) + 30 (for ATW)					
	Max. height	Out-In			m	20	20	20	20	20	20
Guaranteed operating range (outdoor)		Cooling *2			°C	–15~+46	–15~+46	–15~+46	–15~+46	–15~+46	–15~+46
		Heating			°C	–20~+21	–20~+21	–20~+21	–20~+21	–20~+21	–20~+21
		ATW			°C	–20~+35	–20~+35	–20~+35	–20~+35	–20~+35	–20~+35
		Heat recovery			°C	+7~+46	+7~+46	+7~+46	+7~+46	+7~+46	+7~+46

*1 Energy consumption based on standard test results. Actual energy consumption will depend on how the appliance is used and where it is located.
*2 Optional air protection guide is required where ambient temperature is lower than –5°C.
*3 SEER/SCOP values are measured based on EN14825.
*4 Air-to-Water values are measured based on EN14511 (Circulation pump input is not included.).
*5 Conditions for Air-to-Air cooling: Indoor 27°C (dry bulb) /19°C (wet bulb); Outdoor 35°C (dry bulb).