

# Specifications

Indoor unit				PLA-ZM71EA	PKA-M71KAL	PCA-M71KA	PSA-RP71KA	PEAD-M71JAO	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 <sup>3</sup> /min	50	50	50	50	50	50	
		Heating	m <sup>3</sup> /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).