

A.1.1 SPECIFICATIONS

Model Name	Indoor Unit			PLA-M71EA2-A	
	Outdoor Unit			SUZ-M71VAD-A	
Power Supply	Outdoor			Source	Outdoor power supply
				V	230
	Indoor			Phase	Single
				Hz	50 / 60
				V	-
				Phase	-
			Hz	-	
Refrigerant				R32	
Cooling	Capacity	Rated		kW	7.1
		Max.		kW	8.1
		Min.		kW	2.8
	SHF	Rated			0.78
	Total Input	Rated		kW	1.87
	EER			3.79	
	AEER			3.73	
	AEER (Part-load %)			-	
Heating	Capacity	Rated		kW	8.0
		Max.		kW	10.2
		Min.		kW	2.6
	Total Input	Rated		kW	2.17
	COP			3.68	
	ACOP			3.63	
	ACOP (Part-load %)			-	
Operating Current(Max)			A	15.1	
Indoor Unit	Input	Rated		kW	0.04
	Operating Current(Max)			A	0.27
	Dimensions	Unit (Panel)	Height	mm	258(40)
			Width	mm	840(950)
			Depth	mm	840(950)
	Weight	Unit (Panel)		kg	21(5)
	Air Volume (Low-Mid2-Mid1-High)			m³/min. (L/S)	16-17-19-21 (267-283-317-350)
	External Static Pressure			Pa	-
Sound Level (SPL) (Low-Mid2-Mid1-High)			dB(A)	28-30-32-34	
Outdoor Unit	Dimensions		Height	mm	880
			Width	mm	840
			Depth	mm	330
	Weight			kg	55
	Air Volume	Cooling	Rated	m³/min.	835
		Heating	Rated	m³/min.	835
	Sound Level (SPL)	Cooling	Rated	dB(A)	49
		Heating	Rated	dB(A)	51
	Sound Level (PWL)	Cooling	Rated	dB(A)	66
		Heating	Rated	dB(A)	68
	Operating Current(Max)			A	14.8
Breaker Size			A	20	
Ext.Piping	Diameter	Liquid		mm	9.52
		Gas		mm	15.88
	Max.Length	Out-In		m	30
	Max.Height	Out-In	Below Indoor	m	30
Above Indoor			m	30	
Guaranteed Operating Range	Outdoor	Cooling(*1)	Upper Limit.	°C	+52
			Lower Limit.	°C	-15
		Heating	Upper Limit.	°C	+24
			Lower Limit.	°C	-10

(*1) Optional air protection guide is required where ambient temperature is lower than -5°C.

Model Name	Indoor Unit				PLA-M100EA2-A	PLA-M125EA2-A	
	Outdoor Unit				PUZ-M100VKA-A	PUZ-M125VKA-A	
Power Supply	Outdoor				Source	Outdoor power supply	
					V	230	
					Phase	Single	
	Indoor				Hz	50	
					V	-	-
					Phase	-	-
				Hz	-	-	
Refrigerant					R32		
Cooling	Capacity	Rated		kW	10.0	12.0	
		Max.		kW	10.6	13.0	
		Min.		kW	4.0	5.8	
	SHF	Rated			0.76	0.75	
	Total Input	Rated		kW	2.88	3.46	
	EER				3.47	3.46	
	AEER				3.36	3.38	
	AEER (Part-load %)				-	-	
	Heating	Capacity	Rated		kW	11.2	14.0
Max.			kW	12.5	15.0		
Min.			kW	2.8	4.1		
Total Input		Rated		kW	2.98	3.85	
COP				3.75	3.63		
ACOP				3.64	3.55		
ACOP (Part-load %)				-	-		
Operating Current(Max)				A	20.5	27.2	
Indoor Unit	Input	Rated		kW	0.07	0.10	
	Operating Current(Max)			A	0.46	0.66	
	Dimensions Unit (Panel)	Height		mm	298(40)	298(40)	
		Width		mm	840(950)	840(950)	
		Depth		mm	840(950)	840(950)	
	Weight Unit (Panel)			kg	24(5)	27(5)	
	Air Volume (Low-Mid2-Mid1-High)			m³/min. (L/S)	19-23-26-29 (317-383-433-483)	21-25-28-31 (350-417-467-517)	
	External Static Pressure			Pa	-	-	
	Sound Level (Low-Mid2-Mid1-High)			dB(A)	31-34-37-40	33-37-41-44	
Outdoor Unit	Dimensions		Height	mm	981		
			Width	mm	1,050		
			Depth	mm	330(+40)		
	Weight			kg	76	84	
	Air Volume	Cooling	Rated	m³/min.	79	86	
		Heating	Rated	m³/min.	79	86	
	Sound Level (SPL)	Cooling	Rated	dB(A)	52	54	
		Heating	Rated	dB(A)	54	56	
	Sound Level (PWL)	Cooling	Rated	dB(A)	71	72	
		Heating	Rated	dB(A)	72	74	
	Operating Current(Max)			A	20.0	26.5	
	Breaker Size			A	32		
	Ext.Piping	Diameter	Liquid		mm	9.52	
Gas			mm	15.88			
Max.Length		Out-In		m	55		
Max.Height		Out-In	Below Indoor	m	30		
	Above Indoor		m	30			
Guaranteed Operating Range	Outdoor	Cooling ^(*)	Upper Limit.	°C	+46		
			Lower Limit.	°C	-15		
		Heating	Upper Limit.	°C	+21		
			Lower Limit.	°C	-15		

(*) Optional air protection guide is required where ambient temperature is lower than -5°C.

Model Name	Indoor Unit			PLA-M71EA2-A	PLA-M100EA2-A	PLA-M125EA2-A	PLA-M140EA2-A	
	Outdoor Unit			PUZ-ZM71VHA2-A	PUZ-ZM100VKA2-A	PUZ-ZM125VKA2-A	PUZ-ZM140VKA2-A	
Power Supply	Source			Outdoor power supply				
	Outdoor	V		230				
		Phase		Single				
		Hz		50/60				
	Indoor	V		-				
Phase		-						
Hz		-						
Refrigerant				R32				
Cooling	Capacity	Rated	kW	7.1	10.0	12.5	13.5	
		Max.	kW	8.1	11.4	14.0	15.3	
		Min.	kW	3.3	4.9	5.5	6.2	
	SHF	Rated	0.77		0.79	0.75	0.73	
	Total Input	Rated	kW	1.78	2.43	3.55	3.93	
	EER		3.98	4.11	3.52	3.43		
	AEER		3.83	3.95	3.42	3.34		
	AEER (Part-load %)		-	-	-	-		
	Heating	Capacity	Rated	kW	8.0	11.2	14.0	16.0
Max.			kW	10.2	14.0	16.0	18.0	
Min.			kW	3.5	4.5	5.0	5.7	
Total Input		Rated	kW	2.03	2.94	3.58	4.48	
COP		3.94	3.80	3.91	3.57			
ACOP		3.80	3.68	3.80	3.49			
ACOP (Part-load %)		-	-	-	-			
Operating Current(Max)			A	19.27	27.96	28.16	28.66	
Indoor Unit	Input	Rated	kW	0.04	0.07	0.10	0.10	
	Operating Current(Max)		A	0.27	0.46	0.66	0.66	
	Dimensions Unit (Panel)	Height	mm	258(40)	298(40)	298(40)	298(40)	
		Width	mm	840(950)	840(950)	840(950)	840(950)	
		Depth	mm	840(950)	840(950)	840(950)	840(950)	
	Weight Unit (Panel)		kg	21(5)	24(5)	27(5)	27(5)	
	Air Volume (Low-Mid2-Mid1-High)		m³/min. (L/S)	16-17-19-21 (267-283-317-350)	19-23-26-29 (317-383-433-483)	21-25-28-31 (350-417-467-517)	24-26-29-32 (400-433-483-533)	
	External Static Pressure		Pa	-	-	-	-	
	Sound Level (Low-Mid2-Mid1-High)		dB(A)	28-30-32-34	31-34-37-40	33-37-41-44	36-39-42-44	
	Outdoor Unit	Dimensions		Height	mm	943	1,338	
Width				mm	950	1,050		
Depth				mm	330(+25)	330(+40)		
Weight			kg	70	114			
Air Volume		Cooling	Rated	m³/min.	55	110	120	
		Heating	Rated	m³/min.	55	110	120	
Sound Level (SPL)		Cooling	Rated	dB(A)	47	49	50	
		Heating	Rated	dB(A)	51		52	
Sound Level (PWL)		Cooling	Rated	dB(A)	67	69	70	
		Heating	Rated	dB(A)	70	69	70	71
Operating Current(Max)			A	19.0	27.5		28.0	
Breaker Size			A	25	32		40	
Ext.Piping		Diameter	Liquid	mm	9.52			
			Gas	mm	15.88			
	Max.Length	Out-In		m	50	75		
	Max.Height	Out-In	Below Indoor	m	30			
			Above Indoor	m	30			
Guaranteed Operating Range	Outdoor	Cooling ^(*)	Upper Limit.	°C	+52			
			Lower Limit.	°C	-15			
		Heating	Upper Limit.	°C	+21			
			Lower Limit.	°C	-20			

(*) Optional air protection guide is required where ambient temperature is lower than -5°C.

Model Name	Indoor Unit			PLA-M100EA2-A	PLA-M125EA2-A	PLA-M140EA2-A	
	Outdoor Unit			PUZ-ZM100YKA3-A	PUZ-ZM125YKA2-A	PUZ-ZM140YKA2-A	
Power Supply	Outdoor			Source	Outdoor power supply		
				V	400		
				Phase	Three		
	Indoor			Hz	50		
				V	-	-	-
				Phase	-	-	-
			Hz	-	-	-	
Refrigerant				R32			
Cooling	Capacity	Rated	kW	10.0	12.5	13.5	
		Max.	kW	11.4	14.0	15.3	
		Min.	kW	4.9	5.5	6.2	
	SHF	Rated		0.79	0.75	0.73	
	Total Input	Rated	kW	2.43	3.55	3.93	
	EER			4.11	3.52	3.43	
	AEER			3.93	3.41	3.33	
	AEER (Part-load %)			-	-	-	
	Heating	Capacity	Rated	kW	11.2	14.0	16.0
Max.			kW	14.0	16.0	18.0	
Min.			kW	4.5	5.0	5.7	
Total Input		Rated	kW	2.94	3.58	4.48	
COP			3.80	3.91	3.57		
ACOP			3.66	3.79	3.48		
ACOP (Part-load %)			-	-	-		
Operating Current(Max)			A	11.96	12.16		
Indoor Unit	Input	Rated	kW	0.07	0.10	0.10	
	Operating Current(Max)		A	0.46	0.66	0.66	
	Dimensions Unit (Panel)	Height	mm	298(40)	298(40)	298(40)	
		Width	mm	840(950)	840(950)	840(950)	
		Depth	mm	840(950)	840(950)	840(950)	
	Weight Unit (Panel)		kg	24(5)	27(5)	27(5)	
	Air Volume (Low-Mid2-Mid1-High)		m³/min. (L/S)	19-23-26-29 (317-383-433-483)	21-25-28-31 (350-417-467-517)	24-26-29-32 (400-433-483-533)	
	External Static Pressure		Pa	-	-	-	
	Sound Level (Low-Mid2-Mid1-High)		dB(A)	31-34-37-40	33-37-41-44	36-39-42-44	
Outdoor Unit	Dimensions		Height	mm	1,338		
			Width	mm	1,050		
			Depth	mm	330(+40)		
	Weight			kg	116		
	Air Volume	Cooling	Rated	m³/min.	110	120	
		Heating	Rated	m³/min.	110	120	
	Sound Level (SPL)	Cooling	Rated	dB(A)	49	50	
		Heating	Rated	dB(A)	51	52	
	Sound Level (PWL)	Cooling	Rated	dB(A)	69	70	
		Heating	Rated	dB(A)	69	70	71
	Operating Current(Max)			A	11.5		
	Breaker Size			A	16		
	Ext.Piping	Diameter	Liquid	mm	9.52		
			Gas	mm	15.88		
Max.Length		Out-In		m	75		
Max.Height		Out-In	Below Indoor	m	30		
	Above Indoor		m	30			
Guaranteed Operating Range	Outdoor	Cooling ^(*)	Upper Limit.	°C	+52		
			Lower Limit.	°C	-15		
		Heating	Upper Limit.	°C	+21		
			Lower Limit.	°C	-20		

(*) Optional air protection guide is required where ambient temperature is lower than -5°C.