

A.5.1 SPECIFICATIONS

Model Name	Indoor Unit			PEAD-M50JAA(D)	PEAD-M60JAA(D)	PEAD-M71JAA(D)	
	Outdoor Unit			SUZ-M50VAD-A	SUZ-M60VAD-A	SUZ-M71VAD-A	
Power Supply				Source	Outdoor power supply		
	Out			V	230		
				Phase	Single		
				Hz	50 / 60		
	In			V	-	-	-
				Phase	-	-	-
				Hz	-	-	-
Refrigerant				R32			
Cooling	Capacity	Rated	kW	5.0	6.0	7.1	
		Max.	kW	6.2	6.5	8.1	
		Min.	kW	2.3	2.3	2.8	
	SHF	Rated		0.66	0.69	0.78	
	Total Input	Rated	kW	1.33	1.72	1.98	
	EER			3.75	3.48	3.58	
	AEER		kWh/a	3.70	3.43	3.53	
	AEER (Part-load %)			-	-	-	
Heating	Capacity	Rated	kW	6.0	7.0	8.0	
		Max.	kW	7.4	8.0	10.2	
		Min.	kW	1.7	2.8	2.6	
	Total Input	Rated	kW	1.44	1.85	2.00	
	COP			4.16	3.78	4.00	
	ACOP		kWh/a	4.09	3.72	3.93	
	ACOP (Part-load %)			-	-	-	
	Operating Current(max)			A	14.3(14.5)	15.7(15.8)	16.0(16.1)
Indoor Unit	Input	Rated	Cooling/ Heating	kW	0.09(0.11) / 0.09	0.10(0.12) / 0.10	0.15(0.17) / 0.15
		Operating Current(max)			A	0.79(0.90)	0.89(1.00)
	Dimensions		Height	mm	250	250	250
			Width	mm	900	1,100	1,100
			Depth	mm	732	732	732
	Weight ^(*)			kg	26(27)	29(30)	29(30)
	Air Volume(Low-Mid-High)			m³/min. (L/S)	12-14.5-17 (200-242-283)	14.5-18-21 (242-300-350)	17.5-21.0-25.0 (292-350-417)
	External Static Pressure			Pa	35/50/70/100/125		
	Sound Level (Low-Mid-High)	35Pa	dB(A)	29-34-38	30-32-36	30-33-38	
		50Pa	dB(A)	30-35-39	30-33-37	30-34-39	
		70Pa	dB(A)	32-36-40	30-34-38	31-35-39	
		100Pa	dB(A)	33-37-41	31-36-39	32-37-40	
		125Pa	dB(A)	35-39-43	33-38-42	34-39-43	
Outdoor Unit	Dimensions		Height	mm	714	880	
			Width	mm	800	840	
			Depth	mm	285	330	
	Weight			kg	41	54	55
	Air Volume	Cooling	Rated	L/S	763	835	
		Heating	Rated	L/S	728	835	
	Sound Level (SPL)	Cooling	Rated	dB(A)	48	49	
		Heating	Rated	dB(A)	49	51	
	Sound Level (PWL)	Cooling	Rated	dB(A)	64	65	66
		Heating	Rated	dB(A)	66	68	
Operating Current(max)			A	13.5	14.8		
Breaker Size			A	20			
Ext. Piping	Diameter	Liquid	mm	6.35			9.52
		Gas	mm	12.7	15.88		
	Max. Length	Out-In	m	30			
	Max. Height	Out-In	Below Indoor	m	30		
			Above Indoor	m	30		
Guranteed Operation Range	Out	Cooling ^(*)	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.

(*2) Figures in the parentheses indicate with drainpump Model (D).

Model Name		Indoor Unit			PEAD-M100JAA(D)	PEAD-M125JAA(D)	PEAD-M140JAA(D)
		Outdoor Unit			PUZ-M100VKA-A	PUZ-M125VKA-A	PUZ-M140VKA-A
Power Supply				Source	Outdoor power supply		
	Out			V	230		
				Phase	Single		
				Hz	50		
	In			V	-	-	-
				Phase	-	-	-
				Hz	-	-	-
Refrigerant				R32			
Cooling	Capacity	Rated	kW	10.0	12.0	14.0	
		Max.	kW	10.6	13.5	15.3	
		Min.	kW	4.0	6.0	6.2	
	SHF	Rated		0.80	0.80	0.81	
	Total Input	Rated	kW	3.06	3.83	4.40	
	EER			3.26	3.13	3.18	
	AEER			3.13	3.03	3.09	
	AEER (Part-load %)			4.40	3.78	4.01	
Heating	Capacity	Rated	kW	12.5	14.0	16.0	
		Max.	kW	12.5	15.5	18.0	
		Min.	kW	2.8	4.1	5.7	
	Total Input	Rated	kW	3.35	3.68	4.30	
	COP			3.73	3.80	3.72	
	ACOP			3.59	3.67	3.61	
	ACOP (Part-load %)			-	-	-	
Operating Current(max)			A	29.0	29.3	29.64	
Indoor Unit	Input	Rated	Cooling/ Heating	kW	0.25	0.36	0.39
		Operating Current(max)		A	1.68	2.40	2.60
	Dimensions		Height	mm	250		
			Width	mm	1400		1600
			Depth	mm	732		
	Weight ^(*)		kg	38(39)	39(40)	43(44)	
	Air Volume (Low-Mid-High)		m³/min. (L/S)	24.0-29.0-34.0 (400-483-567)	29.5-35.5-42.0 (492-592-700)	32.0-39.0-46.0 (533-650-767)	
	External Static Pressure		Pa	35/50/70/100/125			
	Sound Level (Low-High)	35Pa	dB(A)	32-38-42	36-40-44	39-43-49	
		50Pa	dB(A)	33-38-42	36-40-44	40-44-49	
		70Pa	dB(A)	34-39-43	36-41-45	40-45-50	
		100Pa	dB(A)	36-40-44	37-43-46	42-46-51	
125Pa		dB(A)	38-42-45	39-44-47	44-48-52		
Outdoor Unit	Dimensions		Height	mm	981		1338
			Width	mm	1050		
			Depth	mm	330(+40)		
	Weight		kg	76	84	99	
	Air Volume	Cooling	Rated	m³/min.	79	86	120
		Heating	Rated	m³/min.	79	86	120
	Sound Level (SPL)	Cooling	Rated	dB(A)	52	54	53
		Heating	Rated	dB(A)	54	56	54
	Sound Level (PWL)	Cooling	Rated	dB(A)	71	72	71
		Heating	Rated	dB(A)	72	74	72
	Operating Current(max)		A	20.0	26.5	30.0	
Breaker Size		A	32		40		
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 Operation Range	Out	Cooling ^(*)	Upper Limit.	°C	+46		
			Lower Limit.	°C	-15		
		Heating	Upper Limit.	°C	+21		
			Lower Limit.	°C	-15		

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

(*2) Figures in the parentheses indicate with drainpump Model (D).

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Model Name	Indoor Unit			PEAD-M71JAA(D)	PEAD-M100JAA(D)	PEAD-M125JAA(D)	PEAD-M140JAA(D)	
	Outdoor Unit			PUZ-ZM71VHA2-A	PUZ-ZM100VKA2-A	PUZ-ZM125VKA2-A	PUZ-ZM140VKA2-A	
Power Supply				Source	Outdoor power supply			
	Out			V	230			
				Phase	Single			
				Hz	50/60			
	In			V	-	-	-	-
				Phase	-	-	-	-
				Hz	-	-	-	-
Refrigerant				R32				
Cooling	Capacity	Rated	kW	7.1	10.0	12.5	14.0	
		Max.	kW	8.1	11.4	14.0	15.3	
		Min.	kW	3.3	4.9	5.5	6.2	
	SHF	Rated		0.87	0.87	0.86	0.85	
	Total Input	Rated	kW	1.85	2.67	3.66	4.37	
	EER			3.83	3.74	3.41	3.20	
	AEER			3.69	3.61	3.32	3.13	
	AEER (Part-load %)			-	-	-	4.20	
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	1.93	2.80	3.52	4.18	
	ACOP			4.14	4.00	3.97	3.82	
	ACOP			3.93	3.86	3.86	3.73	
	ACOP (Part-load %)			-	-	-	-	
Operating Current(max)			A	21.18	29.10	29.30	30.64	
Indoor Unit	Input	Rated	Cooling/ Heating	kW	0.15 (0.17) / 0.15	0.23 (0.25) / 0.23	0.34 (0.36) / 0.34	0.37 (0.39) / 0.37
		Operating Current(max) ^{(*)1}		A	2.18	2.64	2.80	3.14
	Dimensions		Height	mm	250			
			Width	mm	1100	1400		1600
			Depth	mm	732			
	Weight ^{*1}		kg	29 (30)	38(39)	39(40)	43(44)	
	Air Volume (Low-Mid-High)		m³/min. (L/S)	17.5-21.0-25.0 (292-350-417)	24.0-29.0-34.0 (400-483-567)	29.5-35.5-42.0 (492-592-700)	32.0-39.0-46.0 (533-650-767)	
	External Static Pressure ^{(*)2}		Pa	35/50/70/100/125				
	Sound Level (Low-Mid-High)	35Pa	dB(A)	30-33-38	32-38-42	36-40-44	39-43-49	
		50Pa	dB(A)	30-34-39	33-38-42	36-40-44	40-44-49	
		70Pa	dB(A)	31-35-39	34-39-43	36-41-45	40-45-50	
		100Pa	dB(A)	32-37-40	36-40-44	37-43-46	42-46-51	
		125Pa	dB(A)	34-39-43	38-42-45	39-44-47	44-48-52	
	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.	55.0	110	120	
		Heating	Rated	m³/min.	55.0	110	120	
Sound Level (SPL)		Cooling	Rated	dB(A)	47	49	50	
		Heating	Rated	dB(A)	51	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				
Guranteed Operation Range	Out	Cooling ^{(*)3}	Upper Limit.	°C	+52			
			Lower Limit.	°C	-15			
		Heating	Upper Limit.	°C	+21			
			Lower Limit.	°C	-20			

(*1) Figures in the parentheses indicate with drainpump Model (D).

(*2) The external static pressure is set to 50 Pa at factory shipment.

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

Model Name	Indoor Unit			PEAD-M100JAA(D)	PEAD-M125JAA(D)	PEAD-M140JAA(D)	
	Outdoor Unit			PUZ-ZM100YKA3-A	PUZ-ZM125YKA2-A	PUZ-ZM140YKA2-A	
Power Supply				Source	Outdoor power supply		
	Out			V	400		
				Phase	Three		
				Hz	50		
	In			V	-	-	-
				Phase	-	-	-
				Hz	-	-	-
Refrigerant				R32			
Cooling	Capacity	Rated	kW	10.0	12.5	14.0	
		Max.	kW	11.4	14.0	15.3	
		Min.	kW	4.9	5.5	6.2	
	SHF	Rated		0.87	0.86	0.85	
	Total Input	Rated	kW	2.67	3.66	4.37	
	EER			3.74	3.41	3.20	
	AEER			3.59	3.31	3.12	
	AEER (Part-load %)			-	-	4.44	
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	2.80	3.52	4.18	
	COP			4.00	3.97	3.82	
	ACOP			3.84	3.85	3.72	
	ACOP (Part-load %)			-	-	-	
Operating Current(max)			A		14.30	14.64	
Indoor Unit	Input	Rated	Cooling/ Heating	kW	0.23(0.25)/0.23	0.34 (0.36) / 0.34	0.37 (0.39) / 0.37
		Operating Current(max) ^{(*)1}		A	2.64	2.80	3.14
	Dimensions		Height	mm	250	250	250
			Width	mm	1400	1400	1600
			Depth	mm	732	732	732
	Weight ^{**}		kg	38(39)	39(40)	43(44)	
	Air Volume (Low-Mid-High)		m³/min. (L/S)	24.0-29.0-34.0 (400-483-567)	29.5-35.5-42.0 (492-592-700)	32.0-39.0-46.0 (533-650-767)	
	External Static Pressure ^{(*)2}		Pa	35/50/70/100/125			
	Sound Level (Low-Mid-High)	35Pa	dB(A)	32-38-42	36-40-44	39-43-49	
		50Pa	dB(A)	33-38-42	36-40-44	40-44-49	
		70Pa	dB(A)	34-39-43	36-41-45	40-45-50	
		100Pa	dB(A)	36-40-44	37-43-46	42-46-51	
125Pa		dB(A)	38-42-45	39-44-47	44-48-52		
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	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	m	30			
Above Indoor		m	30				
Guranteed Operation Range	Out	Cooling ^{(*)3}	Upper Limit.	°C	+52		
			Lower Limit.	°C	-15		
		Heating	Upper Limit.	°C	+21		
			Lower Limit.	°C	-20		

(*)1 Figures in the parentheses indicate with drainpump Model (D).

(*)2 The external static pressure is set to 50 Pa at factory shipment.

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

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