

PEAD SERIES



PEAD-SP71/100/125/140JA(L)



The thin, ceiling-concealed indoor units of this series are the perfect answer for the air conditioning needs of buildings with minimum ceiling installation space and wide-ranging external static pressure. Energy-saving efficiency has been improved, reducing electricity consumption and contributing to a further reduction in operating cost.

Compact Indoor Units

The height of the models from 35-140 has been unified to 250 mm. Compared to the previous PEAD-EA model, the height has been reduced by as much as 75 mm (models 100-140), making installation in low ceilings with minimal clearance space possible.



PEAD-SP JA(L)

250 mm

Reduction of
75mm
(models 100-140)
compared to PEAD-EA

External Static Pressure

External static pressure conversion can be set up to five stages. Capable of being set to a maximum of 150 Pa, units are applicable to a wide range of building types.

■ External static pressure setting

Series	71	100	125	140
PEAD-SP JA	35/50/70/100/150 Pa			

Drain Pump Option Available with All Models

The line-up consists of two types, models with or without a built-in drain pump.



PEAD-SP JA → Drain pump built-in



PEAD-SP JAL → No drain pump

* Units with an "L" included at the end of the model name are not equipped with a drain pump.



PEAD SERIES SERIES SELECTION

Indoor Unit



PEAD-SP JA

Outdoor Unit



SUZ-SA71VA



PUHZ-SP100/125/140VHA/YHA

Remote Controller (Optional)



PAR-31 MAA
Optional



PAC-YT52CRA
Optional



PAR-FL32MA
Optional

PEAD-SP SERIES

Type		Inverter Heat Pump						
Indoor Unit		PEAD-SP71JA(L)	PEAD-SP100JA(L)	PEAD-SP125JA(L)	PEAD-SP140JA(L)			
Outdoor Unit		SUZ-SA71VA	PUHZ-SP100VHA (YHA)	PUHZ-SP125VHA (YHA)	PUHZ-SP140VHA (YHA)			
Refrigerant		R410A*1						
Power Supply		Outdoor Power supply						
Outdoor (V / Phase / Hz)		V: 230 / Single / 50 / (Y: 400/Three/50)						
Cooling	Capacity	Rated	kW		7,1	9,4	12,3	13,0
		Min-Max	kW		2,8 - 8,1	4,9 - 9,9	5,5 - 13,0	5,5 - 14,0
	Total Input	Rated	kW		2,36	3,12	4,38	4,3
	EER				3,01	3,01	2,81	3,0
	Design load		kW		7,1	9,4	-	-
	Annual electricity consumption *2		kWh/a		47E	713	-	-
Heating (Average Season)	Capacity	Rated	kW		8,0	11,2	13,5	15,5
		Min-Max	kW		2,6 - 8,9	4,5 - 11,5	5,0 - 15,0	5,0 - 17,0
	Total Input	Rated	kW		2,21	3,1	3,7	4,6
	COP				3,61	3,6	3,6	3,4
	Design load		kW		6,0	8,0	-	-
	Declared Capacity	at reference design temperature	kW		5,3 (-10°C)	5,3 (-10°C)	-	-
Operating Current (Max)	Input	Rated	kW		0,17 / 0,15	0,25 / 0,23	0,36 / 0,34	0,39 / 0,37
	Operating Current(Max)		A		1,97	2,7	2,8	2,78 (2,76)
	Dimensions	HxWxD	mm		250-1100-732	250 - 1400 - 732	250 - 1600 - 732	250 - 1600 - 732
	Weight		kg		33(32)	41(40)	43(42)	47(46)
	Air Volume (Lo-Mi2-Mi1-Hi)		m³/min		17,5 - 21,0 - 25,0	24,0 - 29,0 - 34,0	29,5 - 35,5 - 42,0	32,0 - 39,0 - 46,0
	External Static Pressure		Pa			35 / 50 / 70 / 100 / 150		35 / 50 / 70 / 100 / 150
Indoor Unit	Sound Level (SPL) (Lo-Mi2-Mi1-Hi)		dB(A)		26 - 30 - 34	29 - 34 - 38	33 - 36 - 40	34 - 38 - 43
	Sound Level (PWL)		dB(A)		57	61,0	63,0	66
	Dimensions	HxWxD	mm		880 - 840 - 330	943-950-330(+30)	1350-950-330(+30)	1350-950-330(+30)
	Weight		kg		53	75 (77)	99 (101)	99 (101)
	Air Volume	Cooling	m³/min		50,1	60,0	100,0	100
		Heating	m³/min		48	60	100	100
Outdoor Unit	Sound Level (SPL)	Cooling	dB(A)		55	50	51	52
		Heating	dB(A)		55	54	55	56
	Sound Level (PWL)	Cooling	dB(A)		69	70	71	73
	Operating Current (Max)		A		16,1	28 (13)	28 (13,0)	29,5 (13,0)
	Breaker Size		A		20	32 (16)	32 (16)	40 (16)
	Diameter	Liquid/Gas	mm		9,52 / 15,88	9,52 / 15,88	9,52 / 15,88	9,52 / 15,88
Ext. Piping	Max.Length	Out-In	m		30	30	40	40
	Max.Height	Out-In	m		30	30	30	30
	Guaranteed Operating Range (Outdoor)	Cooling	°C		-10 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46
	Heating	°C		-10 ~ +24	-15 ~ +21	-15 ~ +21	-15 ~ +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 1975. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 1975 times higher than 1 kg of CO₂, 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.

*2 Energy consumption based on standard test results. Actual energy consumption will depend on how the appliance is used and where it is located.