

PEAD-M SERIES

POWER INVERTER



Type												
Indoor Unit			PEAD-M35JA1L3	PEAD-M50JA1L3	PEAD-M60JA1L3	PEAD-M71JA1L3	PEAD-M100JA1L3	PEAD-M100JA1L3	PEAD-M125JA1L3	PEAD-M125JA1L3	PEAD-M140JA1L3	PEAD-M140JA1L3
Outdoor Unit			PUZ-ZM35VKA3	PUZ-ZM50VKA3	PUZ-ZM60VKA3	PUZ-ZM71VHA3	PUZ-ZM100VDA2	PUZ-ZM100VDA2	PUZ-ZM125VDA2	PUZ-ZM125VDA2	PUZ-ZM140VDA2	PUZ-ZM140VDA2
Refrigerant ^(*)			R32									
Power Supply			Outdoor power supply									
Cooling	Outdoor (V/Phase/Hz)		230/Single/50									
	Capacity	Rated	kW	3.6	5.0	6.1	7.1	9.5	9.5	12.5	12.5	13.4
		Min-Max	kW	1.6 - 4.5	2.3 - 5.6	2.7 - 6.7	3.3 - 8.1	4.9 - 11.4	4.9 - 11.4	5.1 - 14.0	5.1 - 14.0	5.4 - 15.0
	Total Input	Rated	kW	0.838	1.191	1.488	1.775	2.262	2.262	3.379	3.379	3.702
	EER ^(*)	Rated	kW	4.30	4.20	4.10	4.00	4.20	4.20	3.70	3.70	3.62
	Design load		kW	3.6	5.0	6.1	7.1	9.5	9.5	12.5	12.5	13.4
	Annual electricity consumption ^(*)		kWh/a	199	273	343	393	499	509	1123	1130	1231
	SEER ^(*)			6.3	6.4	6.2	6.3	6.6	6.5	6.68	6.64	6.53
	Energy efficiency class			A++	A++	A++	A++	A++	A++	A++	A++	A++
	η _{sc}		%	-	-	-	-	-	-	264.1%	262.4%	258.3%
Heating	Capacity	Rated	kW	4.1	6.0	7.0	8.0	11.2	11.2	14.0	14.0	16.0
		Min-Max	kW	1.6 - 5.2	2.5 - 7.3	2.8 - 8.2	3.5 - 10.2	2.7 - 14.0	2.7 - 14.0	3.2 - 16.0	3.2 - 16.0	3.7 - 18.0
	Total Input	Rated	kW	0.977	1.364	1.591	1.905	2.546	2.546	3.764	3.764	4.103
	COP ^(*)		kW	4.20	4.40	4.40	4.20	4.40	4.40	3.72	3.72	3.90
	Design load		kW	2.4	3.8	4.4	4.9	7.8	7.8	9.3	9.3	10.6
	Declared Capacity	at reference design temperature	kW	2.4 (-10°C)	3.8 (-10°C)	4.4 (-10°C)	4.9 (-10°C)	7.8 (-10°C)	7.8 (-10°C)	9.3 (-10°C)	9.3 (-10°C)	10.6 (-10°C)
		at bivalent temperature	kW	2.4 (-10°C)	3.8 (-10°C)	4.4 (-10°C)	4.9 (-10°C)	7.8 (-10°C)	7.8 (-10°C)	9.3 (-10°C)	9.3 (-10°C)	10.6 (-10°C)
		at operation limit temperature	kW	2.2 (-11°C)	3.7 (-11°C)	2.8 (-12°C)	3.4 (-12°C)	5.8 (-20°C)	5.8 (-20°C)	7.0 (-20°C)	7.0 (-20°C)	7.9 (-20°C)
	Back up heating capacity		kW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Annual electricity consumption ^(*)		kWh/a	799	1202	1463	1585	2445	2446	3109	3110	3572
Operating Unit	SCOP ^(*)			4.2	4.4	4.2	4.3	4.4	4.4	4.19	4.19	4.15
	Energy efficiency class			A+	A+	A+	A+	A+	A+	A+	A+	A+
	η _{sh}		%	-	-	-	-	-	-	164.5%	164.4%	163.2%
	Operating Current (Max)		A	14.2	14.4	20.9	20.9	28.5	28.5	36.3	36.3	42.2
	Input (Cooling/Heating) Rated		kW	0.04	0.07	0.08	0.09	0.14	0.14	0.20	0.20	0.21
	Operating Current (Max)		A	1.18	1.35	1.85	1.9	2.25	2.25	2.34	2.34	2.63
	Dimensions	H*W*D	mm	250-900-732	250-900-732	250-1100-732	250-1100-732	250-1400-732	250-1400-732	250-1400-732	250-1600-732	250-1600-732
	Weight		kg	25	26.5	29.5	29.5	37	37	38	42	42
	Air Volume (Lo-Mid-Hi)		m³/min	8.5-10.0-11.5	12.0-14.5-17.0	14.0-17.0-20.0	14.5-18.0-23.0	23.0-28.0-32.0	23.0-28.0-32.0	28.0-34.0-37.0	28.0-34.0-37.0	29.5-35.5-40.0
	External Static Pressure ^(*)		Pa	3-6-8-10	3-6-8-10	3-6-8-10	3-6-8-10	3-6-8-10	3-6-8-10	3-6-8-10	3-6-8-10	3-6-8-10
Outdoor Unit	Sound Level (Lo-Mid-Hi) (SPL)		dB(A)	23-25-28	27-33-35	25-30-33	26-32-37	31-36-39	31-36-39	35-39-41	35-39-41	34-38-41
	Sound Level (PWL)		dB(A)	49	57	57	61	63	63	66	66	66
	Dimensions	H*W*D	mm	630-809-320	630-809-320	943-950-355	943-950-355	870-1100-505	870-1100-505	870-1100-505	870-1100-505	870-1100-505
	Weight		kg	46	46	67	67	108	114	108	116	121
	Air Volume		m³/min	40	40	55	55	80	80	84	84	97
	Sound Level (SPL)		dB(A)	44	44	47	47	44	44	47	47	49
	Sound Level (PWL)		dB(A)	46	46	49	49	48	48	50	50	51
	Operating Current (Max)		A	13.0	13.0	19.0	19.0	26.5	26.5	30.0	30.0	34.0
	Breaker Size		A	16	16	25	25	32	32	32	32	40
	Ext. Piping											
Piping	Diameter ^(*)	Liquid/Gas	mm	6.35 / 12.7	6.35 / 12.7	9.52 / 15.88	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	50	50	55	55	100	100	100	100	100
	Max Height	Out-In	m	30	30	30	30	30	30	30	30	30
	Guaranteed Operating Range (Outdoor)											
		Cooling ^(*)	°C	-15 ~ 46	-15 ~ 46	-15 ~ 46	-15 ~ 46	-20 ~ 46	-20 ~ 46	-20 ~ 46	-20 ~ 46	-20 ~ 46
		Heating	°C	-11 ~ 21	-11 ~ 21	-20 ~ 21	-20 ~ 21	-20 ~ 21	-20 ~ 21	-20 ~ 21	-20 ~ 21	-20 ~ 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 675. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 675 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. The GWP of R32 is 675 in the IPCC 4th Assessment Report.

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

*3 Optional air protection guide is required where ambient temperature is lower than -5°C. *4 EER/COP and SEER/SCOP for M35-60 are measured at ESP 35Pa, for M71/100 at ESP 37Pa, for M125/140 at ESP 50Pa.

*5 SEER and SCOP are based on 2009/125/EC:Energy-related Products Directive and Regulation(EU) No206/2012. *6 Joint pipe is required depending on installed refrigerant pipes, outdoor units and indoor units.

*7 The factory setting of ESP is shown without < >.