PUMY-P SERIES

INVERTER MULTI



Model				PUMY-P112VKM7 (-BS)	PUMY-P125VKM7 (-BS)	PUMY-P140VKM7 (-BS)	PUMY-P112YKM7 (-BS)	PUMY-P125YKM7 (-BS)	PUMY-P140YKM7 (-BS)	PUMY-P200YKM4 (-BS)	PUMY-P250YBM3 (-BS)	PUMY-P300YBM3 (-BS)
Power Source				1-phase 220-230-240V 50Hz, 220-230V 60Hz			3-phase 380-400-415V 50Hz, 380V 60Hz			3-phase 380-400-415V 50Hz		
Cooling Capacity (Nominal)			kW	12.5	14.0	15.5	12.5	14.0	15.5	22.4	28.0	33.5
	Power Input		kW	4.34	5.00	5.17	4.34	5.00	5.17	7.18	8.21	11.96
	Current Input		A	20.03 - 19.16 - 18.36, 20.03 - 19.16	23.08 - 22.08 - 21.16, 23.08 - 22.08	23.86 - 22.83 - 21.87, 23.86 - 22.83	7.76 - 7.37 - 7.11, 7.76	8.45 - 8.02 - 7.73, 8.45	8.27 - 7.86 - 7.58, 8.27	11.73 - 11.15 - 10.75	13.41 - 12.74 - 12.28	19.54 - 18.56 - 17.89
	EER		kW / kW	2.88	2.80	3.00	2.88	2.80	3.00	3.12	3.41	2.80
Temp. Range of Cooling	Indoor Temp.		W.B.	15.0~24.0°C (59~75°F)	15.0~24.0°C (59~75°F)	15.0~24.0°C (59~75°F)	15.0~24.0°C (59~75°F)	15.0~24.0°C (59~75°F)	15.0~24.0°C (59~75°F)	15.0~24.0°C (59~75°F)	15.0~24.0°C (59~75°F)	15.0~24.0°C (59 ~75°F)
	Outdoor Temp. *2,*3		D.B.	-5.0~52.0°C (23~126°F)	-5.0~52.0°C (23~126°F)	-5.0~52.0°C (23~126°F)	-5.0~52.0°C (23~126°F)	-5.0~52.0°C (23~126°F)	-5.0~52.0°C (23~126°F)	-5.0~52.0°C (23~126°F)	-5.0~52.0°C (23~126°F)	-5.0~52.0°C (23~126°F)
Heating Capacity (Nominal)			kW	14.0	16.0	18.0	14.0	16.0	18.0	25.0	31.5	37.5
	Power Input		kW	3.49	4.06	4.63	3.49	4.06	4.63	5.85	7.24	8.33
	Current Input		A	16.11 - 15.41 - 14.77, 16.11 - 15.41	18.74 - 17.93 - 17.18, 18.74 - 17.93	21.37 - 20.44 - 19.59, 21.37 - 20.44	6.24 - 5.93 - 5.72, 6.24	6.86 - 6.52 - 6.28, 6.86	7.41 - 7.04 - 6.79, 7.41	9.56 - 9.08 - 8.76	11.83 - 11.24 - 10.83	13.61 - 12.93 - 12.46
	COP		kW / kW	4.01	3.94	3.89	4.01	3.94	3.89	4.27	4.35	4.50
Temp. Range Of Heating	Indoor Temp.		D.B.	15.0~270°C (59~81°F)	15.0~270°C (59~81°F)	15.0~270°C (59~81°F)	15.0~270°C (59~81°F)	15.0~270°C (59~81°F)	15.0~270°C (59~81°F)	15.0~270°C (59~81°F)	15.0~270°C (59~81°F)	15.0~270°C (59~81°F)
	Outdoor Temp.		W.B.	-20.0~15.0°C (-4~59°F)	-20.0~15.0°C (-4~59°F)	-20.0~15.0°C (-4~59°F)	-20.0~15.0°C (-4~59°F)	-20.0~15.0° C(-4~59°F)	-20.0~15.0°C (-4~59°F)	-20.0~15.0°C (-4~59°F)	-20.0~15.0°C (-4~59°F)	-20.0~15.0°C (-4~59°F)
Indoor Unit Connectable	Total Capacity			50~130 % of outdoor unit capacity	50~130 % of outdoor unit capacity	50~130 % of outdoor unit capacity	50~130 % of outdoor unit capacity	50~130 % of outdoor unit capacity	50~130 % of outdoor unit capacity	50~130 % of outdoor unit capacity	50~130% of outdoor unit capacity	50~130% of outdoor unit capacity
	Model / Quantity		City Multi*5	10 - 140 / 9	10 - 140 / 10	10 - 140 / 12	10 - 140 / 9	10 - 140 / 10	10 - 140 / 12	10 - 200 / 12	10 - 250 / 30	10 - 250 / 30
			Branch Box*6	15 - 100 / 8	15 - 100 / 8	15 - 100 / 8	15 - 100 / 8	15 - 100 / 8	15 - 100 / 8	15 - 100 / 8	15 - 50 / 12	15 - 50 / 12
	Mixed System: Branch Box 1 unit		City Multi	10 - 140 / 5	10 - 140 / 5	10 - 140 / 5	10 - 140 / 5	10 - 140 / 5	10 - 140 / 5	10 - 200 / 5	10 - 250 / 25	10 - 250 / 25
			Branch Box*6	15 - 100 / 5	15 - 100 / 5	15 - 100 / 5	15 - 100 / 5	15 - 100 / 5	15 - 100 / 5	15 - 100 / 5	15 - 100 / 5	15 - 100 / 5
		Branch Box 2 units	City Multi	10 - 140 / 3 or 2*3	10 - 140 / 3	10 - 140 / 3	10 - 140 / 3 or 2*3	10 - 140 / 3	10 - 140 / 3	10 - 200 / 3	10 - 250 / 23	10 - 250 / 23
			Branch Box*6	15 - 100 / 7 or 8*3	15 - 100 / 8	15 - 100 / 8	15 - 100 / 7 or 8*3	15 - 100 / 8	15 - 100 / 8	15 - 100 / 8	15 - 50 / 10	15 - 50 / 10
		Branch Box 3 units	City Multi	–	–	–	–	–	–	–	10 - 250 / 22	10 - 250 / 22
			Branch Box*6	–	–	–	–	–	–	–	15 - 50 / 12	15 - 50 / 12
Sound Pressure Level (Measured In Anechoic Room)			dB <A>	49/51	50/52	51/53	49/51	50/52	51/53	57/61	55/61	57/62
Sound Power Level (Measured In Anechoic Room)			dB <A>	69/71	70/72	71/73	69/71	70/72	71/73	76/80	73/79	75/79
Refrigerant Piping Diameter	Liquid Pipe		mm (in.)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)*7	9.52 (3/8) *8	12.7 (1/2)
	Gas Pipe		mm (in.)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	19.05 (4/3)	22.4 (7/8)	22.4 (7/8)
Fan	Type × Quantity			Propeller Fan × 2	Propeller Fan × 2	Propeller Fan × 2	Propeller Fan × 2	Propeller Fan × 2	Propeller Fan × 2	Propeller Fan × 2	Propeller Fan × 2	Propeller Fan × 2
	Air Flow Rate		m^3/min	110	110	110	110	110	110	134/135.9	165/183	165/183
			L/s	1,833	1,833	1,833	1,833	1,833	1,833	2,234.8/2,265.5	2,750/3,050	2,750/3,050
			cfm	3,884	3,884	3,884	3,884	3,884	3,884	4,732.2/4,799.3	5,826/6,462	5,826/6,462
	Motor Output		kW	0.074 × 2	0.074 × 2	0.074 × 2	0.074 × 2	0.074 × 2	0.074 × 2	0.20 × 2	0.375 × 2	0.375 × 2
Compressor	Type × Quantity			Scroll hermetic compressor × 1								
	Starting Method			Inverter								
	Motor Output		kW	2.9	3.5	3.9	2.9	3.5	3.9	5.3	8.87	10.15
External Dimension H*W*D			mm	1,338 × 1,050 × 330 (+40)							1,662 × 1,050 × 460 (+45)	
			in.	52-11/16 × 41-11/32 × 13 (+1-9/16)							65-7/16 × 41-11/32 × 187/64 (+1-49/64)	
Net Weight			kg (lbs)	123 (271)			125 (276)			139 (306)	194 (428)	

*1,*4 Nominal conditions

	Indoor	Outdoor	Piping Length	Level Difference
Cooling	27°C DB / 19°C WB	35°C	7.5m	0m
Heating	20°C DB	7°C DB / 6°C WB	7.5m	0m

*2 10 to 52°C D.B.: When connecting PKFY-P10/15/20/25/32VLM, PKFY-P15/20/25VBM, PFFY-P20/25/32VKM and PFFY-P20/25/32VCM, PFFY-P20/25/32VLE(R)M, PEFY-P-VMA3, M, S and P series indoor unit.

*3 When connecting 7 indoor units via branch box, connectable City Multi indoor units are 3; connecting 8 indoor units via branch box, connectable indoor units are 2.
*5 It is possible to connect 1 Fresh Air type indoor unit to 1 outdoor unit. (1:1 system)
*6 At least 2 indoor units must be connected when using branch box.
*7 Liquid pipe diameter: 12.7mm when piping length is more than 60m.
*8 Liquid pipe diameter: 12.7mm, when further piping length is longer than 90m, and when PEFY-P200 or P250 is connected.

Type				Branch Box	
Model Name				PAC-MK54BC	PAC-MK34BC
Connectable Number of Indoor Units				Maximum 5	Maximum 3
Power Supply (from outdoor unit)				~ / N, 220 / 230 / 240 V, 50 Hz, ~ / N, 220 / 230 V, 60 Hz	
Input			kW	0.003	
Running Current			A	0.05 (Max. 6)	
Dimensions		H*W*D	mm	170 × 450 × 280	
Weight			kg	7.4	6.7
Piping Connection (Flare)	Branch [Indoor Side]	Liquid	mm	ø6.35 × 5	ø6.35 × 3
		Gas	mm	ø9.52 × 4, ø12.7 × 1	ø9.52 × 3
	Main [Outdoor Side]	Liquid	mm	ø9.52	
		Gas	mm	ø15.88	

* The piping connection size differs according to the type and capacity of outdoor/indoor units.
Match the piping connection size of branch box with outdoor/indoor unit.
If the piping connection size of branch box does not match the piping connection size of outdoor/indoor unit, use optional different-diameter (deformed) joints to the branch box side.
(Connect deformed joint directly to the branch box side.)