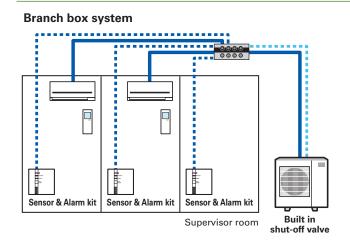
PUMY-SM

Air conditioning system supports replacement work by simplifying the installation process. Ideal for supporting renewal needs at small offices and stores, home offices, etc.

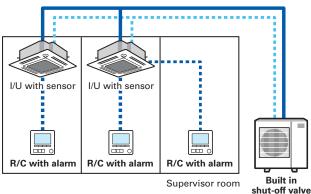


R32 PUMY-SM112/125/140VKM PUMY-SM112/125/140YKM

System of R32 PUMY



Free plan system



* Solid lines are refrigerant piping. Dotted lines are communication lines

Summary of System Component

S&A kit • Remote controller

	Appearance	System	Features
S&A kit	PAC-SK60SA-E	Branch box	Connected from branch box Sensor and alarm in the device Have 3 types of LED (operation, detection, error) Detection of refrigerant leakage, a kit alerts and LED flashes in red Alarm can be stopped only by a kit in a room that refrigerant leakage occurred
Remote controller	PAR-41MAAB	• Free Plan	Connected from indoor unit Alarm in the device Have a display In case of refrigerant leakage, R/C alerts and error code and address of indoor unit is shown Alarm can be stopped by a R/C in a room that refrigerant leakage occurred and a supervisor room

* Can be used as a Wired remote control in a Branch box system. However, in this case, a separate S/A kit connection is

Branch box

		A STATE	A MANAGES
Model nar	ne	PAC-MMK40BC(B)	PAC-MMK60BC
Number o	f ports	4 ports	6 ports
Refrigerar	it	R32	R32
Input(kW)		0.003	0.006
Running c	urrent(A)	0.15	0.30
Size(mm)	Н	170	170
	W	450	665
	D	372	420
Installation	Ceiling-suspended	/	/
	Floor-standing	/	/
	Vertical	/	/
	No need drainpan	/	/
Connection	Flare connection	/	/
	Blazing	/	_

1st	6.35/9.52
2nd	6.35/9.52
3rd	6.35/12.7
4th	6.35/9.52
5th	6.35/9.52
6th	9.52/15.88

wiring connection from one side.

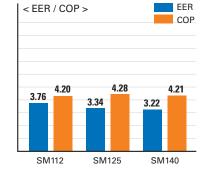
If necessary, you need to flip over only electrical box to connect from the Possible to make piping connection

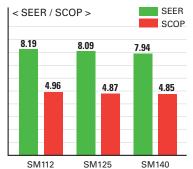
Possible to make piping connection from both side.
 Flipping over only electrical box is not difficult for installer.
 99.52/e15.88 can be connected to a large indoor unit placed in a living room or other large room.

Energy Efficiency

Even with its compact size and lightweight, it has a high EER and COP. Costs are reduced with the energy saving abilities.

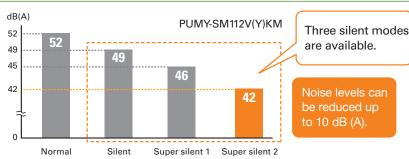
* Temperature conditions EER : Indoor 27°C DB / Outdoor 35°C DB COP : Indoor 20°C DB / Outdoor 7°C DB SCOP/SEER: Based on ErP Lot 21/6 calculation method to EN14825.





Super Silent Mode*

- Noise level can be reduced up to 10dB(A). dB(A)
- This allows you to operate the unit even in the night in a residential zone.
 - * Capacity reduction differs by mode setting.
 - * PAC-SC36NA-E is required to activate Super Silent mode.
 - * Cooling mode only.

















Model				PUMY-SM112VKM	PUMY-SM125VKM	PUMY-SM140VKM	PUMY-SM112YKM	PUMY-SM125YKM	PUMY-SM140YKM
Power source				1-phase 220-230-240V 50Hz, 220V 60Hz			3-phase 380-400-415V 50Hz, 380V 60Hz		
Cooling Capacity			kW	12.5	14.0	15.5	12.5	14.0	15.5
(Nominal)	Power Ir	put	kW	3.32	4.19	4.81	3.32	4.19	4.81
	Current	Input	А	15.40 - 14.73 - 14.12 / 15.40	19.43 - 18.59 - 17.81 / 19.43	22.45 - 21.47 - 20.58 / 22.45	5.31 - 5.04 - 4.86 / 5.31	6.70 - 6.37 - 6.14 / 6.70	7.74 - 7.35 - 7.09 / 7.74
	EER		kW/kW	3.76	3.34	3.22	3.76	3.34	3.22
Temp. Range of	Indoor To	emp.*1	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)
Cooling	Outdoor	emp.*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)
Heating Capacity			kW	14.0	16.0	17.5	14.0	16.0	17.5
(Nominal)	Power Ir	put	kW	3.33	3.74	4.16	3.33	3.74	4.16
	Current	Input	А	15.45 - 14.77 - 14.16 / 15.45	17.30 - 16.55 - 15.86 / 17.30	19.25 - 18.41 - 17.64 / 19.25	5.33 - 5.06 - 4.88 / 5.33	5.97 - 5.67 - 5.46 / 5.97	6.64 - 6.31 - 6.08 / 6.64
	COP		kW/kW	4.20	4.28	4.21	4.20	4.28	4.21
Temp. Range Of	Indoor To	emp.	D.B.	15.0~27.0°C (59~81°F)	15.0~27.0°C (59~81°F)	15.0~27.0°C (59~81°F)	15.0~27.0°C (59~81°F)	15.0~27.0°C (59~81°F)	15.0~27.0°C(59~81°F)
Heating	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)
Indoor Unit	Total Ca	pacity		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
Connectable	Model /	Quantity	City Multi	10-140/12	10 - 140 / 12	10 - 140 / 12	10 - 140 / 12	10 - 140 / 12	10 - 140 / 12
			Branch Box	15 - 100 / 8	15 - 100 / 8	15 - 100 / 8	15 - 100 / 8	15 - 100 / 8	15 - 100 / 8
		Branch	City Multi	10 - 140 / 3 or 5*4	10 - 140 / 3 or 5*4	10 - 140 / 3 or 5*4	10 - 140 / 3 or 5*4	10 - 140 / 3 or 5*4	10 - 140 / 3 or 5*4
		box 1unit	Branch Box	15 - 100 / 4 or 6*5	15 - 100 / 4 or 6*5	15 - 100 / 4 or 6*5	15 - 100 / 4 or 6*5	15 - 100 / 4 or 6*5	15 - 100 / 4 or 6*5
		Branch	City Multi	10 - 140 / 2 or 3*6	10 - 140 / 2 or 3*6	10 - 140 / 2 or 3*6	10 - 140 / 2 or 3*6	10 - 140 / 2 or 3*6	10 - 140 / 2 or 3*6
		box 2unit	Branch Box	15 - 100 / 8	15 - 100 / 8	15 - 100 / 8	15 - 100 / 8	15 - 100 / 8	15 - 100 / 8
Sound Presuure Level (Cooling/Heating)		dB <a>	52/54	53/56	54/56	52/54	53/56	54/56	
Sound Power Level (Cooling/Heating)		dB <a>	72/74	74/76	74/76	72/74	74/76	74/76	
Refrigerant Piping	Liquid P	ipe	mm (in.)	9.52 Flare	9.52 Flare	9.52 Flare	9.52 Flare	9.52 Flare	9.52 Flare
Diameter	Gas Pipe	•	mm (in.)	15.88 Flare	15.88 Flare	15.88 Flare	15.88 Flare	15.88 Flare	15.88 Flare
Fan	Type x C	uantity		Propeller Fan x 1	Propeller Fan x 1	Propeller Fan x 1	Propeller Fan x 1	Propeller Fan x 1	Propeller Fan x 1
	Air Flow	Rate	m³/min	77	83	83	77	83	83
			L/s	1,283	1,383	1,383	1,283	1,383	1,383
			cfm	2,719	2,931	2,931	2,719	2,931	2,931
	Motor O	utput	kW	0.20 × 1	0.20 × 1	0.20 × 1	0.20 × 1	0.20 × 1	0.20 × 1
	External	Static Pr	ess.	0Pa / 30Pa*7	0Pa / 30Pa*7	0Pa / 30Pa*7	0Pa / 30Pa*7	0Pa / 30Pa*7	0Pa / 30Pa*7
Compressor									
Starting Method			Inverter						
	Motor O	utput	kW	2.3	2.6	3.0	2.3	2.6	3.0
External Dimension H*W*D			mm	981 × 1,050 × 330 (+40)					
		in.	38-5/8 × 41-3/8 × 13 (+1-37/64)						
Net Weight kg (lbs)		kg (lbs)	95 (209)*8			97(214) *9			
Pre-Charged	Weight		kg	3.0	3.0	3.0	3.0	3.0	3.0
Quantity	CO ₂ equ	ivalent	t	2.03	2.03	2.03	2.03	2.03	2.03
Max System	Weight		kg	7.5	7.5	7.5	7.5	7.5	7.5
Quantity	CO ₂ equ	ivalent	t	5.06	5.06	5.06	5.06	5.06	5.06
*4.45 + 0000			10 /D :						

Indoor unit connectable table

Model		PUMY-SM112V(Y)KM	PUMY-SM125V(Y)KM	PUMY-SM140V(Y)KM
CM Indoor Only		12	12	12
Branch Box Only		8	8	8
Mix System	CM Indoor	3	3	3
Branch Box 1unit	Branch Box	6	6	6
PAC-MMK60BC		9	9	9
Mix System	CM Indoor	5	5	5
Branch Box 2unit	Branch Box	4	4	4
PAC-MMK40BC(B)		9	9	9
Mix System	CM Indoor	2	2	2
Branch Box 2unit	Branch Box	8	8	8
PAC-MMK60BC + PAC-MMK40BC(B)		10	10	10
Mix System	CM Indoor	3	3	3
Branch Box 2unit	Branch Box	8	8	8
PAC-MMK40BC(B) 2unit		11	11	11

Author of Para Service (1988) (1998)