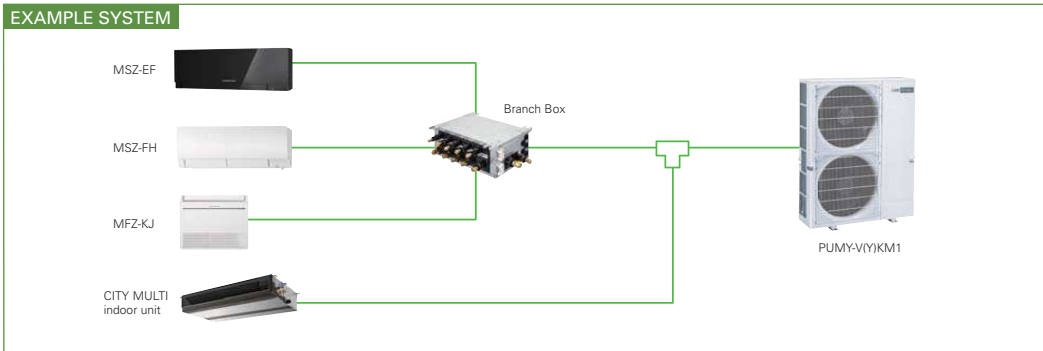


# PUMY SERIES

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



PUMY-P112/125/140VKM1  
PUMY-P112/125/140YKM1

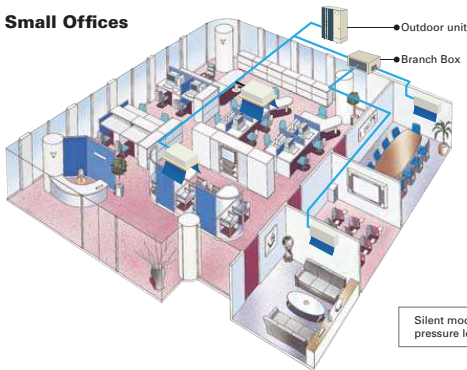


## The two-pipe zoned system designed for Heat Pump Operation

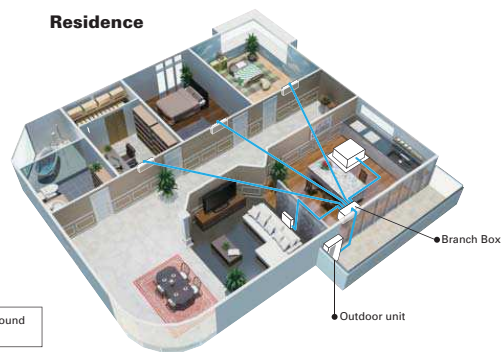
PUMY series make use of a two-pipe refrigerant system, which allows for system changeover from cooling to heating, ensuring that a constant indoor climate is maintained in all zones. The compact outdoor unit utilizes R410A refrigerant and an INVERTER-driven compressor to use energy effectively.

With a wide range of indoor unit line-up in connection with a flexible piping system, PUMY series can be configured for all applications. Up to 12 indoor units can be connected with up to 130% connected capacity to maximize engineer's design options. This feature allows easy air conditioning in each area with convenient individual controllers.

### Small Offices



### Residence

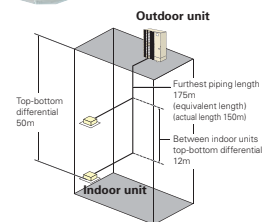


Silent mode can reduce sound pressure level by 3dB(A)

#### [P112-140V/YKM1]

Refrigerant Piping Lengths	Maximum meters
Total length	300
Maximum allowable length	150 (175 equivalent)
Farthest indoor from first branch	30

Vertical differentials between units	Maximum meters
Indoor/outdoor (outdoor higher)	50
Indoor/outdoor (outdoor lower)	40
Indoor/indoor	12



# PUMY<sup>SERIES</sup>

## INVERTER MULTI



Model	PUMY-P112VKM1	PUMY-P125VKM1	PUMY-P140VKM1	PUMY-P112YKM1	PUMY-P125YKM1	PUMY-P140YKM1	
Power Source	1-phase 220 - 240V 50Hz			3-phase 380 - 415V 50Hz			
Cooling Capacity (nominal)	Power Input	12.5	14.0	15.5	12.5	14.0	
	Current Input	2.79	3.46	4.52	2.79	3.46	
	EER	4.48	4.05	3.43	4.48	4.05	
	kW/kW	12.87 - 12.32 - 11.80	15.97 - 15.27 - 14.64	20.86 - 19.95 - 19.12	4.46 - 4.24 - 4.09	5.53 - 5.26 - 5.07	7.23 - 6.87 - 6.62
Temp. Range of Cooling	Indoor Temp.	15.0 - 24.0°C	15.0 - 24.0°C	15.0 - 24.0°C	15.0 - 24.0°C	15.0 - 24.0°C	
	Outdoor Temp.	5.0 - 46°C	5.0 - 46°C	5.0 - 46°C	5.0 - 46°C	5.0 - 46°C	
Heating Capacity (nominal)	Power Input	14.0	16.0	18.0	14.0	16.0	
	Current Input	3.04	3.74	4.47	3.04	3.74	
	COP	4.61	4.28	4.03	4.61	4.28	
	kW/kW	14.03 - 13.42 - 12.86	17.26 - 16.51 - 15.82	20.63 - 19.73 - 18.91	4.86 - 4.62 - 4.45	5.98 - 5.68 - 5.48	7.15 - 6.79 - 6.55
Temp. Range of Heating	Indoor Temp.	15.0 - 27.0°C	15.0 - 27.0°C	15.0 - 27.0°C	15.0 - 27.0°C	15.0 - 27.0°C	
	Outdoor Temp.	-20.0 - 15.0°C	-20.0 - 15.0°C	-20.0 - 15.0°C	-20.0 - 15.0°C	-20.0 - 15.0°C	
Indoor Unit Connectable	Total Capacity	50 to 130% of outdoor unit capacity					
	Model / Quantity	City multi	15 - 125/9	15 - 140/10	15 - 140/12	15 - 125/9	15 - 140/10
	Branch box	15 - 100/8	15 - 100/8	15 - 100/8	15 - 100/8	15 - 100/8	15 - 100/8
	Mixed system	15 - 125* 3/10	15 - 140* 3/10*4	15 - 140* 3/10*4	15 - 125* 3/10	15 - 140* 3/10*4	15 - 140* 3/10*4
Sound Pressure Level (measured in anechoic room)	dB <A>	49 / 51	50 / 52	51 / 53	49 / 51	50 / 52	
Refrigerant Piping Diameter	Liquid Pipe	9.52 Flare					
	Gas Pipe	15.88 Flare					
Fan	Type x Quantity	Propeller Fan x 2					
	Air Flow Rate	110					
	L/s	1,883					
	cfm	3,884					
Compressor	Motor Output	0.06 + 0.06					
	Type x Quantity	Scroll hermetic compressor x 1					
	Starting Method	Inverter					
External Dimensions (H x W x D)	mm	2.9	3.5	3.9	2.9	3.5	
	kg	123			125		

\*1,\*2 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

\*3 Up to P100 when connecting via branch box.

\*4 Up to 11 units when connecting via 2 branch boxes

\*5 10 to 46°C D.B.: When connecting PFFY-P15/20/25VBM, PFFY-P20/25/32VKM and PFFY-P20/25/32VLE(RIM) type indoor unit.

Type	Branch Box		
Model Name	PAC-MK30BC	PAC-MK30BC	
Connectable Number of Indoor Units	Max. 5	Max. 3	
Power Supply	Source	Outdoor power supply, Branch Box / Outdoor separate power supply	
	Outdoor (V/Phase/Hz)	Single phase, 220/230/240V, 50Hz, Single phase, 220V, 60Hz	
Total Input	kW	0.003	
Operating Current	A	0.05	
Dimensions	H x W x D	170 - 450 - 280	
Weight	kg	7.4	
Piping (diameter)	Branch (Indoor Side)	Liquid	6.35 x 5
		Gas	6.35 x 3
	Main (Outdoor Side)	Liquid	9.52 x 4, 12.7 x 1
		Gas	9.52 x 3
Connection Method	Liquid	9.52	
	Gas	15.88	
Wiring	to Indoor Unit	Flared	
	to Outdoor Unit	3-wire + Earth wire	

## StudioKlima

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