

Model name				PUMY- P112VKM5(-BS)	PUMY- P125VKM5(-BS)	PUMY- P140VKM5(-BS)	PUMY- P112YKM(E)4(-BS)	PUMY- P125YKM(E)4(-BS)	PUMY- P140YKM(E)4(-BS)	
Power supply				1-phase 220 - 230 - 240V, 50Hz			3-phase 380 - 400 - 415V, 50Hz			
Air-to-Air (ATA)	Cooling (nominal)*1	Capacity	kW	12.5	14.0	15.5	12.5	14.0	15.5	
		Power input	kW	2.79	3.46	4.52	2.79	3.46	4.52	
		EER		4.48	4.05	3.43	4.48	4.05	3.43	
	Temp. range of cooling	Indoor temp.	W.B.	15 - 24°C						
		Outdoor temp.*2	D.B.	-5 - 52°C						
	Heating (nominal)*1	Capacity	kW	14.0	16.0	18.0	14.0	16.0	18.0	
		Power input	kW	3.04	3.74	4.47	3.04	3.74	4.47	
		COP		4.61	4.28	4.03	4.61	4.28	4.03	
	Temp. range of heating	Indoor temp.	W.B.	15 - 27°C						
		Outdoor temp.	D.B.	-20 - 15°C						
Air-to-Water (ATW)	Nominal flow rate (for heating)			L/min						
	Heating*3	A7W35	Capacity	kW	12.5					
			Power input	kW	3.06					
			COP		4.08					
		A2W35	Capacity	kW	10.0					
			Power input	kW	3.50					
			COP		2.86					
	Guaranteed operating range	ATW	Heating	D.B.	-20 - +21°C					
			DHW	D.B.	-20 - +35°C					
		ATA + ATW	ATA heating + DHW	D.B.	7 - +21°C					
			ATA heating + ATW heating *4	D.B.	-10 - +21°C					
	Maximum Outlet water temp.			°C	55					
Outdoor unit	Indoor unit connectable	ATA only	Total capacity		50 to 130% of outdoor unit capacity					
			Model/ Quantity	Branch box system	15-100/8	15-100/8	15-100/8	15-100/8	15-100/8	15-100/8
				Mixed system*12	15-140*5/10	15-140*5/10*6	15-140*5/10*6	15-140*5/10	15-140*5/10*6	15-140*5/10*6
		ATA + ATW individual operation	Total capacity		ATA : Max 130% of outdoor unit capacity + ATW (EHST20C or EHSC) *7					
			Model/Quantity	Branch box system	15-100/8	15-100/8	15-100/8	15-100/8	15-100/8	15-100/8
				Mixed system*12	15-140*5/10	15-140*5/10*6	15-140*5/10*6	15-140*5/10	15-140*5/10*6	15-140*5/10*6
		ATA + ATW simultaneous operation	Total capacity		Max 100% of outdoor unit capacity : ATA + ATW (EHST20C or EHSC) *7					
			Model/Quantity	ATA*12	15/1*8	15-25/2*9	15-42*11/3*10	15/1*8	15-25/2*9	15-42*11/3*10
				ATW	ATW (EHST20C or EHSC) / 1					
	Sound pressure level (measured in anechoic room)			dB<A>	49 / 51	50 / 52	51 / 53	49 / 51	50 / 52	51 / 53
	Sound power level (measured in anechoic room)			dB<A>	69 / 71	70 / 72	71 / 73	69 / 71	70 / 72	71 / 73
	Refrigerant piping diameter			Liquid pipe	mm					
				Gas pipe	mm					
	Fan	Type x Quantity		Propeller fan x 2						
		Airflow rate		m³/min	110					
				L/s	1,883					
				cfm	3,884					
		Motor output		kW	0.074 + 0.074					
		Compressor	Type x Quantity		Scroll hermetic compressor x 1					
	Starting method		Inverter							
	Motor output		kW	2.9	3.5	3.9	2.9	3.5	3.9	
	External dimensions (H x W x D)			mm	1,338 x 1,050 x 330 (+40)					
	Weight			kg	122			YKM: 125 / YKME: 136		

*1

	Indoor	Outdoor	Piping length	Level difference
Cooling	27°C DB / 19°C WB	35°C DB	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-P15/20/25VBM, PFFY-P20/25/32VKM, PFFY-P20/25/32VLE(R)M, PEFY-P*VMA3 or M, S and P series indoor unit.

*3 In the case of ATW single connection. Input to circulation pump is not included.

*4 In the case of simultaneous operation of ATA heating and ATW heating, target flow temperature range is restricted to 45-55°C and when the ambient temp is under 7°C, the flow temp is lowered.

*5 Up to P100 when connecting via branch box.

*6 Up to 11 units when connecting via 2 branch boxes.

*7 Only one ecodan unit can be connected.

*8 Exceptionally, one MSZ-SF15VA or MSZ-AP15VF can be connected.

*9 Exceptionally, two MSZ-SF15VA or MSZ-AP15VF can be connected.

*10 Exceptionally, three MSZ-SF15VA or MSZ-AP15VF can be connected.

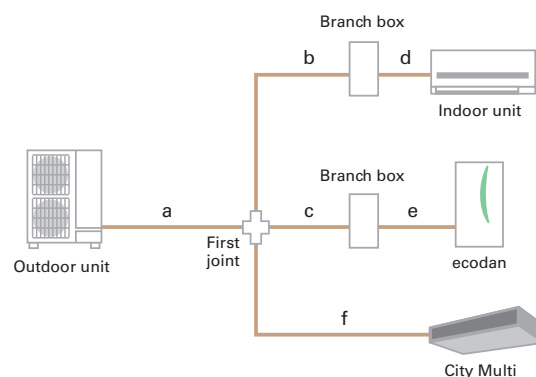
*11 In the case of City Multi connection, maximum is P32.

*12 PKFY and PFFY series are not connectable.

Piping specifications

Total piping length	m	150*	a+b+c+d+e+f
Farthest piping length	m	80	a+b+d or a+c+e
		85	a+f
Total piping length between outdoor unit and branch box	m	55	a+b+c
Total piping length between branch boxes and indoor units	m	95	d+e
Farthest piping length from the first joint	m	30	b or c or f
Farthest piping length after branch box	m	25	d or e
Height difference (Outdoor upside / Outdoor downside)	m	50 / 40	

*When an ecodan is connected, the maximum piping length is 150m.



PUMY+ ecodan Compatibility Table

ATW branch box connection compatibility table

Series	Type	Model name	Compatibility	Type	Model name	Compatibility	Type	Model name	Compatibility
ATW	Cylinder unit	EHST20C-VM2/6D	●	Hydro box	EHSC-VM2/6D	●	Branch box	PAC-MK53BC	●
		EHST20C-YM9D	●		EHSC-YM9D	●		PAC-MK33BC	●

Connectable indoor unit capacity

For individual operation ATA+ATW (no simultaneous operation) ATA: Max 130% of outdoor unit capacity + ATW (EHST20C or EHSC)

Outdoor capacity 12.5kW		
ATW indoor unit (Cylinder or Hydro box) 11.2kW	Connectable ATA indoor unit total capacity: Max.16.2kW (130%)	
Outdoor capacity 14.0kW		
ATW indoor unit (Cylinder or Hydro box) 11.2kW	Connectable ATA indoor unit total capacity: Max.18.2kW (130%)	
Outdoor capacity 15.5kW		
ATW indoor unit (Cylinder or Hydro box) 11.2kW	Connectable ATA indoor unit total capacity: Max.20.2kW (130%)	

For simultaneous operation of ATA+ATW Max 100% of outdoor unit capacity: ATA + ATW (EHST20C or EHSC)

Outdoor capacity 12.5kW			
ATW indoor unit (Cylinder or Hydro box) 11.2kW	ATA capacity Max. 1.3kW	*Exceptionally, one MSZ-SF15VA or MSZ-AP15VF can be connected.	
Outdoor capacity 14.0kW			
ATW indoor unit (Cylinder or Hydro box) 11.2kW	ATA capacity Max. 2.8kW	*Exceptionally, two units of MSZ-SF15VA or MSZ-AP15VF can be connected.	
Outdoor capacity 15.5kW			
ATW indoor unit (Cylinder or Hydro box) 11.2kW	ATA capacity Max. 4.3kW	*Exceptionally, three units of MSZ-SF15VA or MSZ-AP15VF can be connected.	