

PUMY-SP80/112/125/140V(Y)KMD3-A(-BS)

AIR CONDITIONING SYSTEM

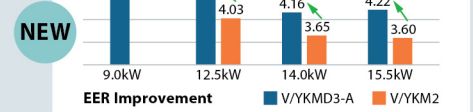


Manufactured by Mitsubishi Electric

Features

Enhanced Line-up

The **PUMY series expansion** introduces the **9.0 kW capacity range**, engineered for superior energy efficiency and performance. We have optimized the system to exceed **BEC (Building Energy Code)** requirements across the entire line-up by an **average of 24%**.



Comprehensive Indoor Solutions

Our VRF line-up excels in both domestic and commercial applications. We are proud to feature **factory-integrated** metal duct indoor units—engineered for high durability and the uncompromising reliability professionals demand. The full indoor series is equipped for versatile site requirements, including **Fire Alarm interlock** and **Operation Signal feedback**.

Enhanced Installation Flexibility

The **PUMY series** is designed for demanding site conditions, featuring an outdoor external static pressure of **30Pa**. To meet diverse project requirements, the line-up is available in both **Single and Three-phase** models. Furthermore, voltage protection ensures stable operation within **±10%** of rated voltage, providing peace of mind in varying electrical environments.

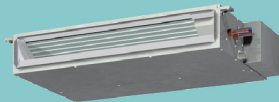
BMS Integration

BACnet connectivity for streamlined Building Management System communication is available via **system controllers** or **expansion interfaces**.

Indoor Line Up



Wall Mounted Type



- Ceiling Concealed Type
- Lo, Mid, Hi Static Pressure Type
 - Fresh Air Processing Unit
 - Metal Type



Floor Standing Type



Ceiling Suspended Type



Available in Black and White

Ceiling Cassette Type

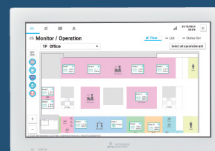
Multiple R/C for Various Uses



Wired Remote Controller



Wireless Remote Controller



System Controller

Series			PUMY-SP (-BS)*6			
Outdoor Unit			PUMY-SP80VKMD3-A(-BS)	PUMY-SP112VKMD3-A(-BS)	PUMY-SP125VKMD3-A(-BS)	PUMY-SP140VKMD3-A(-BS)
Power Source			VKMD3: 1-phase 220-230-240 V, 50 Hz; 1-phase 220 V, 60 Hz			
Cooling / Heating	Capacity [Nominal] *1, 7, 8	kW	9.0 / 10.0	12.5 / 14.0	14.0 / 16.0	15.5 / 16.5
	Power Input (Outdoor Only)	kW	1.79 / 1.81	2.79 / 2.93	3.36 / 3.55	3.67 / 3.90
	Current Input	A	8.31 / 8.40	12.95 / 13.59	15.59 / 16.47	17.03 / 18.09
	EER (Outdoor Only)		5.02 / 5.52	4.48 / 4.77	4.16 / 4.50	4.22 / 4.23
	Temp. Range	Indoor	W.B.	15°C ~ 24°C / 15°C ~ 27°C		
Outdoor		D.B.	-5°C ~ 52°C*2, 3 / -20°C ~ 15°C			
Indoor Unit Connectable		Total Capacity	50% to 130% of outdoor unit capacity			
		Model / Quantity	P10 - P100/9	P10 - P140/12		
Sound Pressure Level [Measured in Anechoic Room]		dBA	51 / 54	52 / 54	53 / 56	54 / 56
Piping [Liquid / Gas]		mm	ø9.52 / ø15.88			
Maximum height difference		mm	50 (outdoor upper) / 30 (outdoor lower)			
Total piping length / Farthest pipe length		mm	120 / 70			
Fan	Type x Quantity		Propeller fan x 1			
	Airflow Rate	m³/min	75	77 / 75	81 / 83	
		L/s	1250	1283 / 1250	1350 / 1383	
	Motor Output	kW	0.20 x 1			
	External Static Pressure	Pa	0 / 30*4			
Compressor	Type x Quantity		Twin rotary hermetic compressor x 1			
	Starting Method		Inverter			
	Motor Output	kW	1.4	2.1	2.4	2.5
External Finish			Galvanised steel sheet Munsell no. 3Y 7.8 / 1.1			
External Dimension [HxWxD]		mm	981 x 1050 x 330 (+25)*5			
Refrigerant	Type x Original Charge		R410A x 3.5 kg			
Net Weight	kg		93 (94)*6			
Heat Exchanger			Cross fin and copper tube			
Optional Parts			Joint: CMY-Y62-G-E Header: CMY-Y64/68-G-E			

Series			PUMY-SP (-BS)*6			
Outdoor Unit			PUMY-SP80YKMD3-A(-BS)	PUMY-SP112YKMD3-A(-BS)	PUMY-SP125YKMD3-A(-BS)	PUMY-SP140YKMD3-A(-BS)
Power Source			YKMD3: 3-phase 380-400-415 V, 50 Hz; 3-phase 380 V, 60 Hz			
Cooling / Heating	Capacity [Nominal] *1, 7, 8	kW	9.0 / 10.0	12.5 / 14.0	14.0 / 16.0	15.5 / 16.5
	Power Input (Outdoor Only)	kW	1.79 / 1.81	2.79 / 2.93	3.36 / 3.55	3.67 / 3.90
	Current Input	A	3.20 / 3.24	4.66 / 4.90	5.55 / 5.87	6.00 / 6.38
	EER (Outdoor Only)		5.02 / 5.52	4.48 / 4.77	4.16 / 4.50	4.22 / 4.23
	Temp. Range	Indoor	W.B.	15°C ~ 24°C / 15°C ~ 27°C		
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Refrigerant	Type x Original Charge		R410A x 3.5 kg			
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Optional Parts			Joint: CMY-Y62-G-E Header: CMY-Y64/68-G-E			

Notes:

*1. Nominal conditions (subject to ISO 15042).

*2. 10°C to 52°C: when connecting following models: PKFY-P10/15/20/25/32VLM, PFFY-P20/25/32VLM(R)M, PFFY-P20/25/32VKM, and M Series, S Series and P Series type indoor unit with branch box.

*3. -15°C to 52°C: when using an optional air protect guide [PAC-SH95AG-E]. However, this condition does not apply to the indoor unit listed in *3.

*4. It is possible to set the static pressure to 30 Pa by dip switch.

*5. () is the depth of Build-in Fan Grille.

*6. -BS : Optional anti - corrosion coating

Rating Conditions:

*7. Cooling: Indoor 27°C, D.B./19°C, W.B.

Outdoor 35°C, D.B./24°C, W.B.

*8. Heating: Indoor 20°C, D.B./15°C, W.B.

Outdoor 7°C, D.B./6°C, W.B.

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