

# OUTDOOR UNIT S Series PUMY-P VKM(-BS)



## ► Specifications

Model	PUMY-P112VKM(-BS)		PUMY-P125VKM(-BS)		PUMY-P140VKM(-BS)	
Power source	1-phase 220-240V 50Hz		1-phase 220-240V 50Hz		1-phase 220-240V 50Hz	
Cooling capacity (Nominal)	*1 kW	12.5	14.0	15.5		
	*1 BTU / h	42,700	47,800	52,900		
	Power input kW	2.79	3.46	4.52		
	Current input A	12.87-12.32-11.80	15.97-15.27-14.64	20.86-19.95-19.12		
	EER kW / kW	4.48	4.05	3.43		
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)		
	Outdoor temp. D.B.	-5.0~46.0°C(23~115°F)	-5.0~46.0°C(23~115°F)	-5.0~46.0°C(23~115°F)		
Heating capacity (Nominal)	*2 kW	14.0	16.0	18.0		
	*2 BTU / h	47,800	54,600	61,400		
	Power input kW	3.04	3.74	4.47		
	Current input A	14.03-13.42-12.86	17.26-16.51-15.82	20.63-19.73-18.91		
	COP kW / kW	4.61	4.28	4.03		
Temp. range of heating	Indoor temp. 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)		
	Outdoor temp. W.B.	-20.0~15.5°C(-4~60°F)	-20.0~15.5°C(-4~60°F)	-20.0~15.5°C(-4~60°F)		
Indoor unit connectable	Total capacity	50~130 % of outdoor unit capacity	50~130 % of outdoor unit capacity	50~130 % of outdoor unit capacity		
	Model / Quantity	P15~P140 / 9	P15~P140 / 10	P15~P140 / 12		
Sound pressure level (measured in anechoic room)	dB <A>		50 / 52		51 / 53	
	49 / 51					
Refrigerant piping diameter	Liquid pipe mm (in.)	9.52(3/8) Flare	9.52(3/8) Flare	9.52(3/8) Flare		
	Gas pipe mm (in.)	15.88(5/8) Flare	15.88(5/8) Flare	15.88(5/8) Flare		
FAN	Type x Quantity	Propeller Fan x 2		Propeller Fan x 2		
	Air flow rate m <sup>3</sup> /min	110	110	110		
	L/s	1,833	1,833	1,833		
	cfm	3,884	3,884	3,884		
	Motor output kW	0.06 + 0.06	0.06 + 0.06	0.06 + 0.06		
Compressor	Type x Quantity	Scroll hermetic compressor x 1		Scroll hermetic compressor x 1		
	Starting method	Inverter		Inverter		
	Motor output kW	2.9	3.5	3.9		
External finish	Galvanized Steel Sheet Munsell No. 3Y 7.8/1.1		Galvanized Steel Sheet Munsell No. 3Y 7.8/1.1		Galvanized Steel Sheet Munsell No. 3Y 7.8/1.1	
External dimension HxWxD	mm	1,338 x 1,050 x 330 (+25)		1,338 x 1,050 x 330 (+25)		
	in.	52-11/16 x 41-11/32 x 13 (+1)		52-11/16 x 41-11/32 x 13 (+1)		
Protection devices	High pressure protection	High pressure Switch		High pressure Switch		
	Inverter circuit (COMP./FAN)	Overcurrent detection, Overheat detection (Heatsink thermistor)		Overcurrent detection, Overheat detection (Heatsink thermistor)		
	Compressor	Compressor thermistor, Over current detection		Compressor thermistor, Over current detection		
	Fan motor	Overheating, Voltage protection		Overheating, Voltage protection		
Refrigerant	Type x original charge	R410A 4.8kg		R410A 4.8kg		
Net weight	kg (lbs)	123(272)		123(272)		
Heat exchanger	Cross Fin and Copper tube		Cross Fin and Copper tube		Cross Fin and Copper tube	
Defrosting method	Reversed refrigerant circuit		Reversed refrigerant circuit		Reversed refrigerant circuit	
Optional parts	Joint: CMY-Y62-G-E		Joint: CMY-Y62-G-E		Joint: CMY-Y62-G-E	
	Header: CMY-Y64/68-G-E		Header: CMY-Y64/68-G-E		Header: CMY-Y64/68-G-E	

### Notes:

\*1,\*2 Nominal conditions

	Indoor	Outdoor	Pipe length	Level difference
Cooling	27°C DB/19°C WB (81°F DB/66°F WB)	35°C DB(95°F DB)	7.5m (24-9/16ft.)	0m (0ft.)
Heating	20°C DB(68°F DB)	7°C DB/6°C WB(45°F DB/43°F WB)	7.5m (24-9/16ft.)	0m (0ft.)

\*Nominal condition \*1,\*2 are subject to ISO 15042.

\*Due to continuing improvement, above specification may be subject to change without notice.

Outdoor unit

# OUTDOOR UNIT S Series PUMY-P YKM(-BS)



## ► Specifications

Model	PUMY-P112YKM(-BS)		PUMY-P125YKM(-BS)		PUMY-P140YKM(-BS)	
Power source	3-phase 380-415V 50Hz		3-phase 380-415V 50Hz		3-phase 380-415V 50Hz	
Cooling capacity (Nominal)	*1 kW	12.5	14.0	15.5		
	*1 BTU / h	42,700	47,800	52,900		
	Power input kW	2.79	3.46	4.52		
	Current input A	4.46-4.24-4.09	5.53-5.26-5.07	7.23-6.87-6.62		
	EER kW / kW	4.48	4.05	3.43		
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)		
	Outdoor temp. D.B.	-5.0~46.0°C(23~115°F)	-5.0~46.0°C(23~115°F)	-5.0~46.0°C(23~115°F)		
Heating capacity (Nominal)	*2 kW	14.0	16.0	18.0		
	*2 BTU / h	47,800	54,600	61,400		
	Power input kW	3.04	3.74	4.47		
	Current input A	4.86-4.62-4.45	5.98-5.68-5.48	7.15-6.79-6.55		
	COP kW / kW	4.61	4.28	4.03		
Temp. range of heating	Indoor temp. 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)		
	Outdoor temp. W.B.	-20.0~15.5°C(-4~60°F)	-20.0~15.5°C(-4~60°F)	-20.0~15.5°C(-4~60°F)		
Indoor unit connectable	Total capacity	50~130 % of outdoor unit capacity	50~130 % of outdoor unit capacity	50~130 % of outdoor unit capacity		
	Model / Quantity	P15~P140 / 9	P15~P140 / 10	P15~P140 / 12		
Sound pressure level (measured in anechoic room)	dB <A>		50 / 52		51 / 53	
	49 / 51					
Refrigerant piping diameter	Liquid pipe mm (in.)	9.52(3/8) Flare	9.52(3/8) Flare	9.52(3/8) Flare		
	Gas pipe mm (in.)	15.88(5/8) Flare	15.88(5/8) Flare	15.88(5/8) Flare		
FAN	Type x Quantity	Propeller Fan x 2		Propeller Fan x 2		
	Air flow rate m <sup>3</sup> /min	110	110	110		
	L/s	1,833	1,833	1,833		
	cfm	3,884	3,884	3,884		
	Motor output kW	0.06 + 0.06	0.06 + 0.06	0.06 + 0.06		
Compressor	Type x Quantity	Scroll hermetic compressor x 1		Scroll hermetic compressor x 1		
	Starting method	Inverter		Inverter		
	Motor output kW	2.9	3.5	3.9		
External finish	Galvanized Steel Sheet Munsell No. 3Y 7.8/1.1		Galvanized Steel Sheet Munsell No. 3Y 7.8/1.1		Galvanized Steel Sheet Munsell No. 3Y 7.8/1.1	
External dimension HxWxD	mm	1,338 x 1,050 x 330 (+25)		1,338 x 1,050 x 330 (+25)		
	in.	52-11/16 x 41-11/32 x 13 (+1)		52-11/16 x 41-11/32 x 13 (+1)		
Protection devices	High pressure protection	High pressure Switch		High pressure Switch		
	Inverter circuit (COMP./FAN)	Overcurrent detection, Overheat detection (Heatsink thermistor)		Overcurrent detection, Overheat detection (Heatsink thermistor)		
	Compressor	Compressor thermistor, Over current detection		Compressor thermistor, Over current detection		
	Fan motor	Overheating, Voltage protection		Overheating, Voltage protection		
Refrigerant	Type x original charge	R410A 4.8kg		R410A 4.8kg		
Net weight	kg (lbs)	125(276)		125(276)		
Heat exchanger	Cross Fin and Copper tube		Cross Fin and Copper tube		Cross Fin and Copper tube	
Defrosting method	Reversed refrigerant circuit		Reversed refrigerant circuit		Reversed refrigerant circuit	
Optional parts	Joint: CMY-Y62-G-E		Joint: CMY-Y62-G-E		Joint: CMY-Y62-G-E	
	Header: CMY-Y64/68-G-E		Header: CMY-Y64/68-G-E		Header: CMY-Y64/68-G-E	

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