OUTDOOR UNIT

S-series

PUMY-CP VKM2-U (-BS)



Specifications

Model			PUMY-CP100VKM2-U (-BS)	PUMY-CP125VKM2-U (-BS)	PUMY-CP140VKM2-U (-BS)
Power source			1-phase 220-230-240 V, 50 Hz; 1-phase 220 V, 60 Hz		
Cooling capacity (T1)	*1	kW	11.2	14.0	15.5
	*1	BTU/h	38,200	47,800	52,900
	Power input	kW	2.80	3.84	4.70
	Current input	A	12.99-12.42-11.90, 12.99	17.81-17.04-16.33, 17.81	21.80-20.85-19.98, 21.80
	EER	kW/kW	4.00	3.65	3.30
		BTU/h /W	13.65	12.45	11.26
Cooling capacity (T3)	*2	kW	9.0	11.2	12.4
	*2	BTU/h	30,700	38,200	42,300
	Power input	kW	3.23	4.01	4.70
	Current input	A	14.98-14.33-13.73, 14.98	18.60-17.79-17.05, 18.60	21.80-20.85-19.98, 21.80
	EER	kW/kW	2.78	2.79	2.64
		BTU/h /W	9.51	9.53	9.00
	CSPF	BTU/h /W	16.00	15.97	16.11
	Power factor	%	0.98	0.98	0.98
Temp. range of cooling	Indoor temp.	W.B.	15 to 24°C (59 to 75°F)		
	Outdoor temp.	D.B.	10 to 52°C (50 to 126°F)		
Indoor unit connectable	Total capacity		50 to 150% of outdoor unit capacity *3		
	Model/Quantity		P15-P125/7	P15-P140/10	P15-P140/12
Sound pressure level (measured in anechoic room)		dB <A>	52	53	54
Refrigerant piping diameter	Liquid pipe	mm (in.)	9.52 (3/8) Flared		
	Gas pipe	mm (in.)	15.88 (5/8) Flared		
Fan	Type x Quantity		Propeller Fan × 1		
	Air flow rate	m^3/min	78.8		
		L/s	1,313		
		cfm	2,782		
*4	Motor output	kW	0.20 x 1		
Compressor	Type x Quantity		Twin rotary hermetic compressor × 1		
	Starting method		Inverter		
	Motor output	kW	2.0	2.5	3.1
External finish			Galvanized Steel Sheet Munsell No. 3Y 7.8/1.1		
External dimension H x W x D		mm	981 × 1050 × 330 (+25)		
		in.	38-5/8 × 41-3/8 × 13 (+1)		
Protection devices	High pressure protection		High pressure switch		
	Inverter circuit (COMP./FAN)		Overcurrent detection, Overheat detection (Heat Sink thermistor)		
	Compressor		Compressor thermistor, Overcurrent detection, Compressor protector		
	Fan motor		Overheating, Voltage protection		
Refrigerant	Type x original charge		R410A 2.9kg		
Net weight		kg (lbs)	86 (190) *5		
Heat exchanger			Cross Fin and Copper tube		
Defrosting method			—		
Optional parts			Joint: CMY-Y62-G-E, Header: CMY-Y64/68-G-E		

Notes:

*1 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.)

*2 T3 conditions (subject to UAE.S.ISO 15042)

	Indoor	Outdoor	Pipe length	Level difference
Cooling	29°C DB/19°C WB (84°F DB/66°F WB)	46°C DB / 24°C WB (115°F DB / 75°F WB)	7.5m (24-9/16ft.)	0m (0ft.)

*3 Up to 150% can be connected. However, up to 130% for simultaneous operation.
*4 External static pressure option is available (30Pa/3.1mmH₂O).
*5 87 (192), for PUMY-CP100/125/140VKM2-U-BS.
*Nominal conditions *1 are subject to ISO 15042.
*Due to continuing improvement, above specification may be subject to change without notice.

OUTDOOR UNIT

S-series
PUMY-CP YKM2-U (-BS)



Specifications

Model			PUMY-CP100YKM2-U (-BS)	PUMY-CP125YKM2-U (-BS)	PUMY-CP140YKM2-U (-BS)
Power source			3-phase 380-400-415 V, 50 Hz; 3-phase 380 V, 60 Hz		
Cooling capacity (T1)	*1	kW	11.2	14.0	15.5
	*1	BTU/h	38,200	47,800	52,900
	Power input	kW	2.80	3.84	4.70
	Current input	A	4.48-4.25-4.10, 4.48	6.14-5.83-5.62, 6.14	7.52-7.14-6.88, 7.52
	EER	kW/kW	4.00	3.65	3.30
		BTU/h /W	13.65	12.45	11.26
Cooling capacity (T3)	*2	kW	9.0	11.2	12.4
	*2	BTU/h	30,700	38,200	42,300
	Power input	kW	3.23	4.01	4.70
	Current input	A	5.77-5.48-5.29, 5.77	6.77-6.43-6.20, 6.77	7.93-7.54-7.27, 7.93
	EER	kW/kW	2.78	2.79	2.64
		BTU/h /W	9.51	9.53	9.00
	CSPF	BTU/h /W	16.00	15.97	16.11
	Power factor	%	0.85	0.90	0.90
Temp. range of cooling	Indoor temp.	W.B.	15.0 to 24.0°C (59 to 75°F)		
	Outdoor temp.	D.B.	10 to 52.0°C (50 to 126°F)		
Indoor unit connectable	Total capacity		50 to 150% of outdoor unit capacity *3		
	Model/Quantity		P15-P125/7	P15-P140/10	P15-P140/12
Sound pressure level (measured in anechoic room)		dB <A>	52	53	54
Refrigerant piping diameter	Liquid pipe	mm (in.)	9.52 (3/8) Flared		
	Gas pipe	mm (in.)	15.88 (5/8) Flared		
Fan	Type x Quantity		Propeller Fan × 1		
	Air flow rate	m^3/min	78.8		
		L/s	1,313		
		cfm	2,782		
*5	Motor output	kW	0.20 x 1		
Compressor	Type x Quantity		Twin rotary hermetic compressor × 1		
	Starting method		Inverter		
	Motor output	kW	2.0	2.5	3.0
External finish			Galvanized Steel Sheet Munsell No. 3Y 7.8/1.1		
External dimension H x W x D		mm	981 × 1050 × 330 (+25)		
		in.	38-5/8 × 41-3/8 × 13 (+1)		
Protection devices	High pressure protection		High pressure switch		
	Inverter circuit (COMP./FAN)		Overcurrent detection, Overheat detection (Heat Sink thermistor)		
	Compressor		Compressor thermistor, Overcurrent detection, Compressor protector		
	Fan motor		Overheating, Voltage protection		
Refrigerant	Type x original charge		R410A 2.9kg		
Net weight		kg (lbs)	87 (191) *6		
Heat exchanger			Cross Fin and Copper tube		
Defrosting method			—		
Optional parts			Joint: CMY-Y62-G-E, Header: CMY-Y64/68-G-E		

Notes:

*1 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.)

*2 T3 conditions (subject to UAE.S.ISO 15042)

	Indoor	Outdoor	Pipe length	Level difference
Cooling	29°C DB/19°C WB (84°F DB/66°F WB)	46°C DB / 24°C WB (115°F DB / 75°F WB)	7.5m (24-9/16ft.)	0m (0ft.)

*3 Up to 150% can be connected. However, up to 130% for simultaneous operation.
*4 Liquid pipe diameter: 12.7mm in case that the farthest piping length is longer than 60m, or piping length from outdoor unit to a branch box is longer than 20m.
*5 External static pressure option is available (30 Pa/3.1 mmH$_2$O).
*6 88 (195), for PUMY-CP100/125/140YKM2-U-BS. 130 (287) for PUMY-CP175/200/225YKM2-U-BS.
*Nominal conditions *1 are subject to ISO 15042.
*Due to continuing improvement, above specification may be subject to change without notice.

OUTDOOR UNIT

S-series

PUMY-CP YKM-U (-BS)



Specifications

Model			PUMY-CP175YKM-U (-BS)	PUMY-CP200YKM-U (-BS)	PUMY-CP225YKM-U (-BS)
Power source			3-phase 380-400-415 V, 50 Hz; 3-phase 380 V, 60 Hz		
Cooling capacity (T1)	*1	kW	20.0	22.4	25.0
	*1	BTU/h	68,200	76,400	85,300
	Power input	kW	5.48	6.91	9.62
	Current input	A	9.57-9.09-8.76, 9.57	12.35-11.73-11.31, 12.35	15.72-14.93-14.39, 15.72
	EER	kW/kW	3.65	3.24	2.60
		BTU/h /W	12.45	11.06	8.87
Cooling capacity (T3)	*2	kW	15.0	16.8	17.3
	*2	BTU/h	51,182	57,323	59,030
	Power input	kW	5.79	6.52	7.10
	Current input	A	10.11-9.61-9.26, 10.11	11.39-10.82-10.43, 11.39	12.40-11.78-11.35, 12.40
	EER	kW/kW	2.59	2.58	2.44
		BTU/h /W	8.84	8.79	8.32
	CSPF	BTU/h /W	17.33	15.73	14.81
	Power factor	%	87	87	87
Temp. range of cooling	Indoor temp.	W.B.	15.0 to 24.0°C (59 to 75°F)		
	Outdoor temp.	D.B.	10 to 52.0°C (50 to 126°F)		
Indoor unit connectable	Total capacity		50 to 150% of outdoor unit capacity *3		
	Model/Quantity		P15-P200/12	P15-P250/12	P15-P250/12
Sound pressure level (measured in anechoic room)		dB <A>	57	57	58
Refrigerant piping diameter	Liquid pipe	mm (in.)	9.52 (3/8) Flared *4		
	Gas pipe	mm (in.)	22.2 (7/8) Brazed		
Fan	Type x Quantity		Propeller Fan × 2		
	Air flow rate	m^3/min	134	134	143.8
		L/s	2,233	2,233	2,397
		cfm	4,732	4,732	5,078
	Motor output	kW	0.20 + 0.20		
Compressor	Type x Quantity		Scroll hermetic compressor × 1		
	Starting method		Inverter		
	Motor output	kW	3.6	4.3	5.6
External finish			Galvanized Steel Sheet Munsell No. 3Y 7.8/1.1		
External dimension H x W x D		mm	1,338 × 1,050 × 330 (+25)		
		in.	52-11/16 × 41-11/32 × 13 (+1)		
Protection devices	High pressure protection		High pressure switch		
	Inverter circuit (COMP./FAN)		Overcurrent detection, Overheat detection (Heat Sink thermistor)		
	Compressor		Compressor thermistor, Overcurrent detection, Compressor protector		
	Fan motor		Overheating, Voltage protection		
Refrigerant	Type x original charge		R410A 6.3kg		
Net weight		kg (lbs)	129 (285) *5		
Heat exchanger			Cross Fin and Copper tube		
Defrosting method			—		
Optional parts			Joint: CMY-Y62-G-E, Header: CMY-Y64/68-G-E		

Notes:

*1 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.)

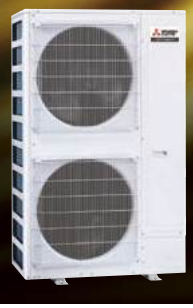
*2 T3 conditions (subject to UAE.S.ISO 15042)

	Indoor	Outdoor	Pipe length	Level difference
Cooling	29°C DB/19°C WB (84°F DB/66°F WB)	46°C DB / 24°C WB (115°F DB / 75°F WB)	7.5m (24-9/16ft.)	0m (0ft.)

*3 Up to 150% can be connected. However, up to 130% for simultaneous operation.
*4 Liquid pipe diameter: 12.7mm in case that the farthest piping length is longer than 60m, or piping length from outdoor unit to a branch box is longer than 20m.
*5 88 (195) for PUMY-CP100/125/140YKM-U-BS. 130 (287) for PUMY-CP175/200/225YKM-U-BS.
*Nominal conditions *1 are subject to ISO 15042.
*Due to continuing improvement, above specification may be subject to change without notice.

OUTDOOR UNIT

S-series
PUMY-CP YBM-U (-BS)



Specifications

Model			PUMY-CP250YBM-U (-BS)	PUMY-CP300YBM-U (-BS)
Power source			3-phase 380-400-415 V, 50 Hz; 3-phase 380 V, 60 Hz	
Cooling capacity (T1)	*1	kW	28.0	33.5
	*1	BTU/h	95,500	114,300
	Power input	kW	7.18	8.59
	Current input	A	11.73-11.14-10.74, 11.73	14.03-13.33-12.85, 14.03
	EER	kW/kW	3.90	3.90
		BTU/h /W	13.30	13.30
Cooling capacity (T3)	*2	kW	21.0	25.1
	*2	BTU/h	71,600	85,600
	Power input	kW	6.30	7.07
	Current input	A	10.64-10.10-9.47, 10.64	11.94-11.34-10.93, 11.94
	EER	kW/kW	3.33	3.55
		BTU/h /W	11.37	12.11
	CSPF	BTU/h /W	17.98	18.92
	Power factor	%	90	90
Temp. range of cooling	Indoor temp.	W.B.	15.0 to 24.0°C (59 to 75°F)	
	Outdoor temp.	D.B.	10.0 to 52.0°C (50 to 126°F)	
Indoor unit connectable	Total capacity		50 to 150% of outdoor unit capacity *3	
	Model/Quantity		P15-P250/24	P15-P250/29
Sound pressure level (measured in anechoic room)		dB <A>	59	60
Refrigerant piping diameter	Liquid pipe	mm (in.)	9.52(3/8) Flared *6	12.7(1/2) Flared
	Gas pipe	mm (in.)	22.2(7/8) Brazed	25.4(1) Brazed
Fan	Type x Quantity		Propeller Fan × 2	
	Air flow rate	m^3/min	178	178
		L/s	2,966	2,966
		cfm	6,285	6,285
*4	Motor output	kW	0.375 + 0.375	
Compressor	Type x Quantity		Scroll hermetic compressor × 1	
	Starting method		Inverter	
	Motor output	kW	6.65	7.23
External finish			Galvanized Steel Sheet Munsell No. 3Y 7.8/1.1	
External dimension H x W x D		mm	1,662 × 1,050 × 460 (+45)	
		in.	65-7/16 × 41-11/32 × 18-7/64 (+1-49/64)	
Protection devices	High pressure protection		High pressure switch	
	Inverter circuit		Overcurrent detection, Overheat detection (Heat Sink thermistor)	
	Compressor		Compressor thermistor, Overcurrent detection, Compressor protector	
	Fan motor		Overcurrent, Overheating, Voltage protection	
Refrigerant	Type x original charge		R410A 8.0kg	
Net weight		kg (lbs)	185 (408) *5	
Heat exchanger			Cross Fin and Copper tube	
Defrosting method			—	
Optional parts			Joint: CMY-Y62-G-E, Header: CMY-Y64/68-G-E	

Notes:

*1 Nominal conditions

	Indoor	Outdoor	Pipe length	Level difference	External static press.
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.)	0 Pa

*2 T3 conditions (subject to UAE.S.ISO 15042)

	Indoor	Outdoor	Pipe length	Level difference
Cooling	29°C DB/19°C WB (84°F DB/66°F WB)	46°C DB / 24°C WB (115°F DB / 75°F WB)	7.5m (24-9/16ft.)	0m (0ft.)

*3 Up to 150% can be connected. However, up to 130% for simultaneous operation.
*4 External static pressure option is available (30 Pa/3.1 mmH$_2$O).
*5 187 (413) for PUMY-CP250/300YBM-U-BS.
*6 Liquid pipe diameter: 12.7mm, in case of farthest piping length (farthest indoor unit from outdoor unit) is longer than 90m, or connect with PEFY-P200/250.
*Nominal conditions *1 are subject to ISO 15042.
*Due to continuing improvement, above specification may be subject to change without notice.