OUTDOOR UNIT

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



Specifications

Model			PUMY-P175YKM2-U (-BS)	PUMY-P200YKM2-U (-BS)	PUMY-P225YKM2-U (-BS)
Power source			3-phase 380-400-415 V, 50 Hz; 3-phase 380 V, 60 Hz		
Cooling capacity (Nominal)	*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.*4*5	D.B.	-5.0 to 52.0°C (23 to 126°F)		
Heating capacity (Nominal)	*3	kW	22.4	25.0	27.3
	*3	BTU/h	76,400	85,300	93,200
	Power input	kW	5.73	6.96	7.65
	Current input	A	9.36-8.89-8.57, 9.36	11.37-10.80-10.41, 11.37	12.50-11.87-11.44, 12.50
	COP	kW/kW	3.91	3.59	3.57
Temp. range of heating *4	Indoor temp.	D.B.	15.0 to 27.0°C (59 to 81°F)		
	Outdoor temp.	W.B.	-20.0 to 15.0°C (-4 to 59°F)		
Indoor unit connectable	Total capacity		50 to 130% of outdoor unit capacity		
	Model/Quantity		P15-P224/12	P15-P250/12	P15-P250/12
Sound pressure level (measured in anechoic room)	*6	dB <A>	57/61	57/61	58/63
Refrigerant piping diameter	Liquid pipe	mm (in.)	9.52 (3/8) Flared *7		
	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	3.7	4.3	5.7
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 7.3kg		
Net weight		kg (lbs)	138 (305) *8		
Heat exchanger			Cross Fin and Copper tube		
Defrosting method			Reversed refrigerant circuit		
Optional parts			Joint: CMY-Y62-G-E, Header: CMY-Y64/68-G-E		

Notes:

*1, *3 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.)

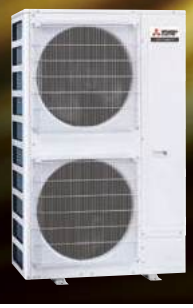
*2 T3 conditions (subject to UAE.S.ISO 15042)

	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.)

*4 10 to 52°C D.B. : When connecting PKFY-P15/20/25/32VLM, PFFY-P20/25/32VKM, PFFY-P20/25/32VLEM, PFFY-P20/25/32VLRM(M), PFFY-P20/25/32VCM, PEFY-P-VMA4, M, S and P series indoor unit.
*5 -15 to 52°C D.B. [5 to 126°F D.B.], when using an optional air protect guide [PAC-SH95AG-E]. However, this condition does not apply to the indoor unit listed in*4.
*6 Cooling mode/Heating mode
*7 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.
*8 139 (307) for PUMY-P175/200/225YKM2-U-BS.
*Nominal conditions *1,*2 are subject to ISO 15042.
*Due to continuing improvement, above specification may be subject to change without notice.

OUTDOOR UNIT

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



Specifications

Model			PUMY-P250YBM-U (-BS)	PUMY-P300YBM-U (-BS)
Power source			3-phase 380-400-415 V, 50 Hz; 3-phase 380 V, 60 Hz	
Cooling capacity (Nominal)	*1	kW	28.0	33.5
	*1	BTU/h	95,500	114,300
	Power input	kW	6.83	8.17
	Current input	A	11.16-10.60-10.22, 11.16	13.35-12.68-12.22, 13.35
	EER	kW/kW	4.10	4.10
		BTU/h /W	13.98	13.99
Cooling capacity (T3)	*2	kW	21.0	25.1
	*2	BTU/h	71,600	85,600
	Power input	kW	6.40	7.07
	Current input	A	10.80-10.26-9.89, 10.80	11.94-11.34-10.93, 11.94
	EER	kW/kW	3.28	3.55
		BTU/h /W	11.19	12.11
	CSPF	BTU/h /W	18.28	18.34
	Power factor	%	90	90
Temp. range of cooling	Indoor temp.	W.B.	15.0 to 24.0°C (59 to 75°F)	
	Outdoor temp.*4*5	D.B.	-5.0~52.0°C (23 to 126°F)	
Heating capacity (Nominal)	*3	kW	31.5	37.5
	*3	BTU/h	107,500	128,000
	Power input	kW	6.06	7.36
	Current input	A	9.90-9.41-9.07, 9.90	12.02-11.42-11.01, 12.02
	COP	kW/kW	5.20	5.10
Temp. range of heating *4	Indoor temp.	D.B.	15.0 to 27.0°C (59 to 81°F)	
	Outdoor temp.	W.B.	-20.0 to 15.0°C (-4 to 59°F)	
Indoor unit connectable	Total capacity		50 to 130% of outdoor unit capacity	
	Model/Quantity		P15-P250/21	P15-P250/25
Sound pressure level (measured in anechoic room)	*6	dB <A>	59/60	60/62
Refrigerant piping diameter	Liquid pipe	mm (in.)	9.52(3/8) Flared *9	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	187/183	187/197
		L/s	3116/3050	3116/3283
		cfm	6603/6462	6603/6956
*7	Motor output	kW	0.375 + 0.375	
Compressor	Type x Quantity		Scroll hermetic compressor × 1	
	Starting method		Inverter	
	Motor output	kW	6.65	7.35
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 (COMP./FAN)		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 9.3kg	
Net weight		kg (lbs)	192 (424) *8	
Heat exchanger			Cross Fin and Copper tube	
Defrosting method			Reversed refrigerant circuit	
Optional parts			Joint: CMY-Y62-G-E, Header: CMY-Y64/68-G-E	

Notes:

*1, *3 Nominal conditions

	Indoor	Outdoor	Pipe length	Level difference	External static press.
Cooling	27ºC DB/19ºC WB (81°F DB/66°F WB)	35ºC DB (95°F DB)	7.5m (24-9/16ft.)	0m (0ft.)	0 Pa
Heating	20ºC DB	7ºC DB/6ºC WB (45°F DB/43°F WB)	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	29ºC DB/19ºC WB (84ºF DB/66ºF WB)	46ºC DB / 24ºC WB (115ºF DB / 75ºF WB)	7.5m (24-9/16ft.)	0m (0ft.)

*4 10 to 52ºC D.B. : When connecting PKFY-P15/20/25/32VLM, PFFY-P20/25/32VKM, PFFY-P20/25/32VLEM, PFFY-P20/25/32VLRM(M), PFFY-P20/25/32VCM, PEFY-P-VMA4, M, S and P series indoor unit.
*5 -15 to 52ºC D.B. [5 to 126ºF D.B.], when using an optional air protect guide [PAC-SH21AG-E]. However, this condition does not apply to the indoor unit listed in*3.
*6 Cooling mode/Heating mode
*7 External static pressure option is available (30 Pa/3.1 mmH_2O).
*8 194 (428) for PUMY-P250/300YBM-U-BS.
*9 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,*3 are subject to ISO 15042.
*Due to continuing improvement, above specification may be subject to change without notice.