

HEAT SOURCE UNIT WY (Heat Pump) Series PQHY-P YSHM-A



► Specifications

Model	PQHY-P850YSHM-A			PQHY-P900YSHM-A			
Power source	3-phase 4-wire 380-400-415V 50/60Hz			3-phase 4-wire 380-400-415V 50/60Hz			
Cooling capacity (Nominal)	*1 kW	96.0			101.0		
	*1 BTU / h	327,600			344,600		
	Power input kW	21.20			23.22		
	Current input A	35.7-33.9-32.7			39.1-37.2-35.8		
COP	kW / kW	4.52			4.34		
	W.B.	15.0-24.0°C(59-75°F)			15.0-24.0°C(59-75°F)		
Temp. range of cooling	Circulating water °C	10.0-45.0°C(50-113°F)			10.0-45.0°C(50-113°F)		
	Indoor °C	15.0-24.0°C(59-75°F)			15.0-24.0°C(59-75°F)		
Heating capacity (Nominal)	*2 kW	108.0			113.0		
	*2 BTU / h	368,500			385,600		
	Power input kW	23.21			25.67		
	Current input A	39.1-37.2-35.8			43.3-41.1-39.6		
COP	kW / kW	4.65			4.40		
	W.B.	15.0-27.0°C(59-81°F)			15.0-27.0°C(59-81°F)		
Temp. range of heating	Circulating water °C	10.0-45.0°C(50-113°F)			10.0-45.0°C(50-113°F)		
	Indoor °C	15.0-27.0°C(59-81°F)			15.0-27.0°C(59-81°F)		
Indoor unit connectable	Total capacity	50~130 % of heat source unit capacity			50~130 % of heat source unit capacity		
	Model / Quantity	P15-P250 / 2-50			P15-P250 / 2-50		
Sound pressure level (measured in anechoic room)	dB <A>	54.5			55		
Refrigerant piping diameter [O.D.]	Liquid pipe mm (in.)	19.05(3/4) Brazed			19.05(3/4) Brazed		
	Gas pipe mm (in.)	41.28(1-5/8) Brazed			41.28(1-5/8) Brazed		
Set Model							
Model	PQHY-P300YHM-A	PQHY-P300YHM-A	PQHY-P250YHM-A	PQHY-P300YHM-A	PQHY-P300YHM-A	PQHY-P300YHM-A	
Circulating water	Water flow rate m ³ / h	5.76 + 5.76 + 5.76			5.76 + 5.76 + 5.76		
	L/min	96 + 96 + 96			96 + 96 + 96		
	cfm	3.4 + 3.4 + 3.4			3.4 + 3.4 + 3.4		
	Pressure drop kPa	17	17	17	17	17	17
Operating volume range	m ³ / h	4.5 + 4.5 + 4.5 - 7.2 + 7.2 + 7.2			4.5 + 4.5 + 4.5 - 7.2 + 7.2 + 7.2		
Compressor	Type x Quantity	Inverter scroll hermetic compressor			Inverter scroll hermetic compressor		
	Starting method	Inverter	Inverter	Inverter	Inverter	Inverter	Inverter
	Motor output kW	7.4	7.4	6.3	7.4	7.4	7.4
	Case heater kW	0.035(240 V)	0.035(240 V)	0.035(240 V)	0.035(240 V)	0.035(240 V)	0.035(240 V)
External finish	Acrylic painted steel plate						
External dimension HxWxD	mm	1,160(1,100 without legs) x 880 x 550	1,160(1,100 without legs) x 880 x 550	1,160(1,100 without legs) x 880 x 550	1,160(1,100 without legs) x 880 x 550	1,160(1,100 without legs) x 880 x 550	
	in.	45-11/16(43-5/16 without legs) x 34-11/16 x 21-11/16	45-11/16(43-5/16 without legs) x 34-11/16 x 21-11/16	45-11/16(43-5/16 without legs) x 34-11/16 x 21-11/16	45-11/16(43-5/16 without legs) x 34-11/16 x 21-11/16	45-11/16(43-5/16 without legs) x 34-11/16 x 21-11/16	
Protection devices	High pressure protection	High pressure sensor, High pressure switch at 4.15MPa (601 psi)			High pressure sensor, High pressure switch at 4.15MPa (601 psi)		
	Inverter circuit (COMP.)	Over-heat protection, Over-current protection			Over-heat protection, Over-current protection		
	Compressor	Over-heat protection			Over-heat protection		
Refrigerant	Type x original charge	R410A x 5.0kg (12lbs)	R410A x 5.0kg (12lbs)	R410A x 5.0kg (12lbs)	R410A x 5.0kg (12lbs)	R410A x 5.0kg (12lbs)	
Net weight	kg (lbs)	195(430)	195(430)	195(430)	195(430)	195(430)	
Heat exchanger	Water volume in plate	L	5.0	5.0	5.0	5.0	
	Water pressure Max. ★	MPa	1.0	1.0	1.0	1.0	
Optional parts	Heat Source Twinning kit: CMY-Y300VBK2 Joint: CMY-Y102S-G2, CMY-Y102L-G2, CMY-Y202-G2, CMY-Y302-G2 Header: CMY-Y104/108/1010-G						

★ It will be 2.0MPa as standard from October 2010.

Notes:

*1, *2 Nominal conditions

	Indoor	Water temperature	Pipe length	Level difference
Cooling	27°C DB/19°C WB (81°F DB/66°F WB)	30°C (86°F)	7.5m (24-9/16ft.)	0m (0ft.)
Heating	20°C DB (68°F DB)	20°C (68°F)		

- *3 The ambient temperature of the heat source unit needs to be kept below 40°C DB.
- *4 The ambient relative humidity of the heat source unit needs to be kept below 80%.
- *5 The heat source Unit should not be installed at outdoor.
- *6 Be sure to mount a strainer (more than 50 meshes) at the water inlet piping of the unit.
- *7 Be sure to provide interlocking for the unit operation and water circuit.
- *Nominal condition *1, *2 are subject to JIS B8615-1.
- *Due to continuing improvement, above specification may be subject to change without notice.

Outdoor unit

OUTDOOR UNIT R2 Series PURY-P YJM-A(-BS)



► Specifications

Model	PURY-P200YJM-A(-BS)		PURY-P250YJM-A(-BS)		PURY-P300YJM-A(-BS)		
Power source	3-phase 4-wire 380-400-415V 50/60Hz		3-phase 4-wire 380-400-415V 50/60Hz		3-phase 4-wire 380-400-415V 50/60Hz		
Cooling capacity (Nominal)	*1 kW	22.4		28.0		33.5	
	*1 BTU / h	76,400		95,500		114,300	
	Power input kW	5.18		7.05		8.67	
	Current input A	8.7-8.3-8.0		11.9-11.3-10.8		14.6-13.9-13.4	
COP	kW / kW	4.32		3.97		3.86	
	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)	
Temp. range of cooling	Indoor °C	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 °C	-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	25.0		31.5		37.5	
	*2 BTU / h	85,300		107,500		128,000	
	Power input kW	5.69		7.32		8.78	
	Current input A	9.6-9.1-8.7		12.3-11.7-11.3		14.8-14.0-13.5	
COP	kW / kW	4.39		4.30		4.27	
	W.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)	
Temp. range of heating	Indoor °C	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 °C	-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	50~150 % of outdoor unit capacity		50~150 % of outdoor unit capacity		50~150 % of outdoor unit capacity	
	Model / Quantity	P15-P250 / 1-20		P15-P250 / 1-25		P15-P250 / 1-30	
Sound pressure level (measured in anechoic room)	dB <A>	56		57		59	
Power pressure level (measured in anechoic room)	dB <A>	76		77		79	
Refrigerant piping diameter	High pressure mm (in.)	15.88(5/8) Brazed		19.05(3/4) Brazed		19.05(3/4) Brazed	
	Low pressure mm (in.)	19.05(3/4) Brazed		22.2(7/8) Brazed		22.2(7/8) Brazed	
FAN	Type x Quantity	Propeller fan x 1		Propeller fan x 1		Propeller fan x 1	
	Air flow rate	m ³ /min	185	185	185		
	L/s	3,083	3,083	3,083			
	cfm	6,532	6,532	6,532			
Driving mechanism	Motor output kW	0.92 x 1		0.92 x 1		0.92 x 1	
	External static press.	0 Pa (0 mmH ₂ O)		0 Pa (0 mmH ₂ O)		0 Pa (0 mmH ₂ O)	
	Type x Quantity	Inverter scroll hermetic compressor		Inverter scroll hermetic compressor		Inverter scroll hermetic compressor	
	Starting method	Inverter		Inverter		Inverter	
Compressor	Motor output kW	5.4		6.8		7.8	
	Case heater kW	0.035(240 V)		0.035(240 V)		0.045(240 V)	
External finish	Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>						
External dimension HxWxD	mm	1,710(1,650 without legs) x 920 x 760		1,710(1,650 without legs) x 920 x 760		1,710(1,650 without legs) x 920 x 760	
	in.	67-3/8(65 without legs) x 36-1/4 x 29-15/16		67-3/8(65 without legs) x 36-1/4 x 29-15/16		67-3/8(65 without legs) x 36-1/4 x 29-15/16	
Protection devices	High pressure protection	High pressure sensor, High pressure switch at 4.15MPa (601 psi)		High pressure sensor, High pressure switch at 4.15MPa (601 psi)		High pressure sensor, High pressure switch at 4.15MPa (601 psi)	
	Inverter circuit (COMP./FAN)	Over-heat protection, Over-current protection		Over-heat protection, Over-current protection		Over-heat protection, Over-current protection	
	Compressor	Over-heat protection		Over-heat protection		Over-heat protection	
	Fan motor	Thermal switch		Thermal switch		Thermal switch	
Refrigerant	Type x original charge	R410A x 9.5kg (21lbs)		R410A x 9.5kg (21lbs)		R410A x 9.5kg (21lbs)	
Net weight	kg (lbs)	240(530)		240(530)		245(541)	
Heat exchanger	Salt-resistant cross fin & copper tube						
Optional parts	Joint: CMY-Y102S-G2, CMY-Y102L-G2, CMY-R160-J1		Joint: CMY-Y102S-G2, CMY-Y102L-G2, CMY-R160-J1		Joint: CMY-Y102S-G2, CMY-Y102L-G2, CMY-R160-J1		
	BC controller: CMB-P104, 105, 106, 108, 1010, 1013, 1016V-G1		BC controller: CMB-P104, 105, 106, 108, 1010, 1013, 1016V-G1		BC controller: CMB-P104, 105, 106, 108, 1010, 1013, 1016V-G1		
Main BC controller: CMB-P108, 1010, 1013, 1016V-GA1		Main BC controller: CMB-P108, 1010, 1013, 1016V-GA1		Main BC controller: CMB-P108, 1010, 1013, 1016V-GA1		Main BC controller: CMB-P108, 1010, 1013, 1016V-GA1	
Sub BC controller: CMB-P104, 108V-GB1, CMB-P1016V-HB1		Sub BC controller: CMB-P104, 108V-GB1, CMB-P1016V-HB1		Sub BC controller: CMB-P104, 108V-GB1, CMB-P1016V-HB1		Sub BC controller: CMB-P104, 108V-GB1, CMB-P1016V-HB1	

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)		

- *3 -5°C DB (23°F DB) / -6°C WB (21°F WB) to 21°C DB (70°F DB) / 15.5°C WB (60°F WB) with cooling/heating mixed operation.
- *4 External static pressure option is available (30Pa, 60Pa / 3.1mmH₂O, 6.1mmH₂O).
- *Nominal condition *1, *2 are subject to JIS B8615-1.
- *Due to continuing improvement, above specification may be subject to change without notice.

Outdoor Unit

OUTDOOR UNIT R2 Series PURY-P YJM-A(-BS)



► Specifications

Model	PURY-P350YJM-A(-BS)		PURY-P400YJM-A(-BS)		PURY-P450YJM-A(-BS)	
Power source	3-phase 4-wire 380-400-415V 50/60Hz					
Cooling capacity (Nominal)	*1 kW	40.0	45.0	50.0		
	*1 BTU/h	136,500	153,500	170,600		
	Power input kW	11.33	13.55	14.49		
	Current input A	19.1-18.1-17.5	22.8-21.7-20.9	24.4-23.2-22.3		
COP	kW/kW	3.53	3.32	3.45		
	Indoor 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 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	45.0	50.0	56.0		
	*2 BTU/h	153,500	170,600	191,100		
	Power input kW	10.89	12.75	14.58		
	Current input A	18.3-17.4-16.8	21.5-20.4-19.7	24.6-23.3-22.5		
COP	kW/kW	4.13	3.92	3.84		
	Indoor W.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 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	50-150 % of outdoor unit capacity		50-150 % of outdoor unit capacity		50-150 % of outdoor unit capacity	
Model / Quantity	P15-P250 / 1-35		P15-P250 / 1-40		P15-P250 / 1-45	
Sound pressure level (measured in anechoic room)	dB <A>	60	61	62		
Power pressure level (measured in anechoic room)	dB <A>	80	81	82		
Refrigerant piping diameter	High pressure mm (in.)	19.05(3/4) Brazed	22.2(7/8) Brazed	22.2(7/8) Brazed		
	Low pressure mm (in.)	28.58(1-1/8) Brazed	28.58(1-1/8) Brazed	28.58(1-1/8) Brazed		
FAN	Type x Quantity	Propeller fan x 1		Propeller fan x 2		
	Air flow rate	m ³ /min		360		
		L/s		6,000		
		cfm		12,712		
	Driving mechanism	Inverter-control, Direct-driven by motor		Inverter-control, Direct-driven by motor		
	Motor output kW	0.92 x 1		0.92 x 2		
	*4 External static press.	0 Pa (0 mmH ₂ O)		0 Pa (0 mmH ₂ O)		
	Compressor	Inverter scroll hermetic compressor		Inverter scroll hermetic compressor		
	Starting method	Inverter		Inverter		
	Motor output kW	9.9		10.2		
Case heater kW	0.045(240 V)		0.045(240 V)			
External finish	Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>					
External dimension HxWxD	mm	1,710(1,650 without legs) x 1,220 x 760		1,710(1,650 without legs) x 1,220 x 760		
	in.	67-3/8(65 without legs) x 48-1/16 x 29-15/16		67-3/8(65 without legs) x 48-1/16 x 29-15/16		
Protection devices	High pressure protection	High pressure sensor, High pressure switch at 4.15MPa (601 psi)		High pressure sensor, High pressure switch at 4.15MPa (601 psi)		
	Inverter circuit (COMP./FAN)	Over-heat protection, Over-current protection		Over-heat protection, Over-current protection		
	Compressor	Over-heat protection		Over-heat protection		
	Fan motor	Thermal switch		Thermal switch		
Refrigerant	Type x original charge	R410A x 11.8kg (27lbs)		R410A x 11.8kg (27lbs)		
Net weight	kg (lbs)	270(596)		320(706)		
Heat exchanger	Salt-resistant cross fin & copper tube					
Optional parts	Joint: CMY-Y102S-G2, CMY-Y102L-G2, CMY-R160-J1 BC controller: CMB-P104, 105, 106, 108, 1010, 1013, 1016V-GA1 Main BC controller: CMB-P108, 1010, 1013, 1016V-GA1 Sub BC controller: CMB-P104, 108V-GB1, CMB-P1016V-HB1					

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.)

*3 -5°C DB (23°F DB) / -6°C WB (21°F WB) to 21°C DB (70°F DB) / 15.5°C WB (60°F WB) with cooling/heating mixed operation.

*4 External static pressure option is available (30Pa, 60Pa / 3.1mmH₂O, 6.1mmH₂O).

*Nominal condition *1, *2 are subject to JIS B8615-1.

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

Outdoor unit

OUTDOOR UNIT R2 Series PURY-P YSJM-A(1)(-BS)



► Specifications

Model	PURY-P400YSJM-A1(-BS)		PURY-P450YSJM-A1(-BS)		PURY-P500YSJM-A(-BS)		
Power source	3-phase 4-wire 380-400-415V 50/60Hz						
Cooling capacity (Nominal)	*1 kW	45.0	50.0	56.0			
	*1 BTU/h	153,500	170,600	191,100			
	Power input kW	10.73	12.50	14.85			
	Current input A	18.1-17.2-16.5	21.1-20.0-19.3	25.0-23.8-22.9			
COP	kW/kW	4.19	4.00	3.77			
	Indoor 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 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	50.0	56.0	63.0			
	*2 BTU/h	170,600	191,100	215,000			
	Power input kW	11.62	13.30	15.10			
	Current input A	19.6-18.6-17.9	22.4-21.3-20.5	25.4-24.2-23.3			
COP	kW/kW	4.30	4.21	4.17			
	Indoor W.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 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	50-150 % of outdoor unit capacity		50-150 % of outdoor unit capacity		50-150 % of outdoor unit capacity		
Model / Quantity	P15-P250 / 1-40		P15-P250 / 1-45		P15-P250 / 1-50		
Sound pressure level (measured in anechoic room)	dB <A>	59	59.5	60			
Power pressure level (measured in anechoic room)	dB <A>	79	79.5	80			
Refrigerant piping diameter	High pressure mm (in.)	22.2(7/8) Brazed	22.2(7/8) Brazed	22.2(7/8) Brazed			
	Low pressure mm (in.)	28.58(1-1/8) Brazed	28.58(1-1/8) Brazed	28.58(1-1/8) Brazed			
Set Model							
FAN	Type x Quantity	Propeller fan x 1	Propeller fan x 1	Propeller fan x 1	Propeller fan x 1	Propeller fan x 1	
	Air flow rate	m ³ /min	185	185	185	185	185
		L/s	3,083	3,083	3,083	3,083	3,083
		cfm	6,532	6,532	6,532	6,532	6,532
	Driving mechanism	Inverter-control, Direct-driven by motor		Inverter-control, Direct-driven by motor		Inverter-control, Direct-driven by motor	
	Motor output kW	0.92 x 1		0.92 x 1		0.92 x 1	
	*4 External static press.	0 Pa (0 mmH ₂ O)		0 Pa (0 mmH ₂ O)		0 Pa (0 mmH ₂ O)	
	Compressor	Inverter scroll hermetic compressor		Inverter scroll hermetic compressor		Inverter scroll hermetic compressor	
	Starting method	Inverter		Inverter		Inverter	
	Motor output kW	5.4		5.4		6.8	
Case heater kW	0.035(240 V)		0.035(240 V)		0.035(240 V)		
External finish	Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>						
External dimension HxWxD	mm	1,710(1,650 without legs) x 920 x 760		1,710(1,650 without legs) x 920 x 760		1,710(1,650 without legs) x 920 x 760	
	in.	67-3/8(65 without legs) x 36-1/4 x 29-15/16		67-3/8(65 without legs) x 36-1/4 x 29-15/16		67-3/8(65 without legs) x 36-1/4 x 29-15/16	
Protection devices	High pressure protection	High pressure sensor, High pressure switch at 4.15MPa (601 psi)		High pressure sensor, High pressure switch at 4.15MPa (601 psi)		High pressure sensor, High pressure switch at 4.15MPa (601 psi)	
	Inverter circuit (COMP./FAN)	Over-heat protection, Over-current protection		Over-heat protection, Over-current protection		Over-heat protection, Over-current protection	
	Compressor	Over-heat protection		Over-heat protection		Over-heat protection	
	Fan motor	Thermal switch		Thermal switch		Thermal switch	
Refrigerant	Type x original charge	R410A x 9.5kg (21lbs)		R410A x 9.5kg (21lbs)		R410A x 9.5kg (21lbs)	
Net weight	kg (lbs)	240(530)		240(530)		240(530)	
Heat exchanger	Salt-resistant cross fin & copper tube						
Pipe between unit and distributor	High pressure mm (in.)	15.88(5/8) Brazed	15.88(5/8) Brazed	15.88(5/8) Brazed	19.05(3/4) Brazed	19.05(3/4) Brazed	
	Low pressure mm (in.)	19.05(3/4) Brazed	-	19.05(3/4) Brazed	-	22.2(7/8) Brazed	
Optional parts	Outdoor Twinning kit: CMY-R100VBK Joint: CMY-Y102S-G2, CMY-Y102L-G2, CMY-R160-J1 Main BC controller: CMB-P108, 1010, 1013, 1016V-GA1 Sub BC controller: CMB-P104, 108V-GB1, CMB-P1016V-HB1						

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.)

*3 -5°C DB (23°F DB) / -6°C WB (21°F WB) to 21°C DB (70°F DB) / 15.5°C WB (60°F WB) with cooling/heating mixed operation.

*4 External static pressure option is available (30Pa, 60Pa / 3.1mmH₂O, 6.1mmH₂O).

*Nominal condition *1, *2 are subject to JIS B8615-1.

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

Outdoor Unit

OUTDOOR UNIT R2 Series PURY-P YJM-A(-BS)



► Specifications

Model	PURY-P350YJM-A(-BS)		PURY-P400YJM-A(-BS)		PURY-P450YJM-A(-BS)		
Power source	3-phase 4-wire 380-400-415V 50/60Hz						
Cooling capacity (Nominal)	*1 kW	40.0	45.0	50.0			
	*1 BTU/h	136,500	153,500	170,600			
	Power input kW	11.33	13.55	14.49			
	Current input A	19.1-18.1-17.5	22.8-21.7-20.9	24.4-23.2-22.3			
COP	kW/kW	3.53	3.32	3.45			
	Indoor 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 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	45.0	50.0	56.0			
	*2 BTU/h	153,500	170,600	191,100			
	Power input kW	10.89	12.75	14.58			
	Current input A	18.3-17.4-16.8	21.5-20.4-19.7	24.6-23.3-22.5			
COP	kW/kW	4.13	3.92	3.84			
	Indoor W.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 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	50-150 % of outdoor unit capacity	50-150 % of outdoor unit capacity	50-150 % of outdoor unit capacity			
	Model / Quantity	P15-P250 / 1-35	P15-P250 / 1-40	P15-P250 / 1-45			
Sound pressure level (measured in anechoic room)	dB <A>	60	61	62			
Power pressure level (measured in anechoic room)	dB <A>	80	81	82			
Refrigerant piping diameter	High pressure mm (in.)	19.05(3/4) Brazed	22.2(7/8) Brazed	22.2(7/8) Brazed			
	Low pressure mm (in.)	28.58(1-1/8) Brazed	28.58(1-1/8) Brazed	28.58(1-1/8) Brazed			
FAN	Type x Quantity	Propeller fan x 1	Propeller fan x 1	Propeller fan x 2			
	Air flow rate	m ³ /min	225	225	360		
	L/s	3,750	6,000	6,000			
	cfm	7,945	7,945	12,712			
	Driving mechanism	Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor			
	Motor output kW	0.92 x 1	0.92 x 1	0.92 x 2			
	External static press.	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)			
	Type x Quantity	Inverter scroll hermetic compressor	Inverter scroll hermetic compressor	Inverter scroll hermetic compressor			
	Starting method	Inverter	Inverter	Inverter			
	Motor output kW	9.9	10.2	11.6			
Case heater kW	0.045(240 V)	0.045(240 V)	0.045(240 V)				
External finish		Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>	Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>	Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>			
	mm	1,710(1,650 without legs) x 1,220 x 760	1,710(1,650 without legs) x 1,220 x 760	1,710(1,650 without legs) x 1,750 x 760			
Protection devices	High pressure protection	High pressure sensor, High pressure switch at 4.15MPa (601 psi)	High pressure sensor, High pressure switch at 4.15MPa (601 psi)	High pressure sensor, High pressure switch at 4.15MPa (601 psi)			
	Inverter circuit (COMP./FAN)	Over-heat protection, Over-current protection	Over-heat protection, Over-current protection	Over-heat protection, Over-current protection			
Refrigerant	Type x original charge	R410A x 11.8kg (27lbs)	R410A x 11.8kg (27lbs)	R410A x 11.8kg (27lbs)			
	Net weight kg (lbs)	270(596)	270(596)	320(706)			
Heat exchanger		Salt-resistant cross fin & copper tube	Salt-resistant cross fin & copper tube	Salt-resistant cross fin & copper tube			
Optional parts		Joint: CMY-Y102S-G2, CMY-Y102L-G2, CMY-R160-J1 BC controller: CMB-P104, 105, 106, 108, 1010, 1013, 1016V-G1 Main BC controller: CMB-P108, 1010, 1013, 1016V-GA1 Sub BC controller: CMB-P104, 108V-GB1, CMB-P1016V-HB1	Joint: CMY-Y102S-G2, CMY-Y102L-G2, CMY-R160-J1 Main BC controller: CMB-P108, 1010, 1013, 1016V-GA1 Sub BC controller: CMB-P104, 108V-GB1, CMB-P1016V-HB1	Joint: CMY-Y102S-G2, CMY-Y102L-G2, CMY-R160-J1 Main BC controller: CMB-P108, 1010, 1013, 1016V-GA1 Sub BC controller: CMB-P104, 108V-GB1, CMB-P1016V-HB1			

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.)

*3 -5°C DB (23°F DB) / -6°C WB (21°F WB) to 21°C DB (70°F DB) / 15.5°C WB (60°F WB) with cooling/heating mixed operation.

*4 External static pressure option is available (30Pa, 60Pa / 3.1mmH₂O, 6.1mmH₂O).

*Nominal condition *1, *2 are subject to JIS B8615-1.

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

Outdoor unit

OUTDOOR UNIT R2 Series PURY-P YSJM-A(1)(-BS)



► Specifications

Model	PURY-P400YSJM-A1(-BS)		PURY-P450YSJM-A1(-BS)		PURY-P500YSJM-A(-BS)	
Power source	3-phase 4-wire 380-400-415V 50/60Hz					
Cooling capacity (Nominal)	*1 kW	45.0	50.0	56.0		
	*1 BTU/h	153,500	170,600	191,100		
	Power input kW	10.73	12.50	14.85		
	Current input A	18.1-17.2-16.5	21.1-20.0-19.3	25.0-23.8-22.9		
COP	kW/kW	4.19	4.00	3.77		
	Indoor 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 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	50.0	56.0	63.0		
	*2 BTU/h	170,600	191,100	215,000		
	Power input kW	11.62	13.30	15.10		
	Current input A	19.6-18.6-17.9	22.4-21.3-20.5	25.4-24.2-23.3		
COP	kW/kW	4.30	4.21	4.17		
	Indoor W.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 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	50-150 % of outdoor unit capacity	50-150 % of outdoor unit capacity	50-150 % of outdoor unit capacity		
	Model / Quantity	P15-P250 / 1-40	P15-P250 / 1-45	P15-P250 / 1-50		
Sound pressure level (measured in anechoic room)	dB <A>	59	59.5	60		
Power pressure level (measured in anechoic room)	dB <A>	79	79.5	80		
Refrigerant piping diameter	High pressure mm (in.)	22.2(7/8) Brazed	22.2(7/8) Brazed	22.2(7/8) Brazed		
	Low pressure mm (in.)	28.58(1-1/8) Brazed	28.58(1-1/8) Brazed	28.58(1-1/8) Brazed		
Set Model						
FAN	Type x Quantity	Propeller fan x 1	Propeller fan x 1	Propeller fan x 1	Propeller fan x 1	Propeller fan x 1
	Air flow rate	m ³ /min	185	185	185	185
	L/s	3,083	3,083	3,083	3,083	3,083
	cfm	6,532	6,532	6,532	6,532	6,532
	Driving mechanism	Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor
	Motor output kW	0.92 x 1	0.92 x 1	0.92 x 1	0.92 x 1	0.92 x 1
	External static press.	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)
	Type x Quantity	Inverter scroll hermetic compressor	Inverter scroll hermetic compressor	Inverter scroll hermetic compressor	Inverter scroll hermetic compressor	Inverter scroll hermetic compressor
	Starting method	Inverter	Inverter	Inverter	Inverter	Inverter
	Motor output kW	5.4	5.4	5.4	6.8	6.8
Case heater kW	0.035(240 V)	0.035(240 V)	0.035(240 V)	0.035(240 V)	0.035(240 V)	
External finish		Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>	Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>	Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>	Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>	Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>
	mm	1,710(1,650 without legs) x 920 x 760	1,710(1,650 without legs) x 920 x 760	1,710(1,650 without legs) x 920 x 760	1,710(1,650 without legs) x 920 x 760	1,710(1,650 without legs) x 920 x 760
Protection devices	High pressure protection	High pressure sensor, High pressure switch at 4.15MPa (601 psi)	High pressure sensor, High pressure switch at 4.15MPa (601 psi)	High pressure sensor, High pressure switch at 4.15MPa (601 psi)	High pressure sensor, High pressure switch at 4.15MPa (601 psi)	High pressure sensor, High pressure switch at 4.15MPa (601 psi)
	Inverter circuit (COMP./FAN)	Over-heat protection, Over-current protection	Over-heat protection, Over-current protection	Over-heat protection, Over-current protection	Over-heat protection, Over-current protection	Over-heat protection, Over-current protection
Refrigerant	Type x original charge	R410A x 9.5kg (21lbs)	R410A x 9.5kg (21lbs)	R410A x 9.5kg (21lbs)	R410A x 9.5kg (21lbs)	R410A x 9.5kg (21lbs)
	Net weight kg (lbs)	240(530)	240(530)	240(530)	240(530)	240(530)
Heat exchanger		Salt-resistant cross fin & copper tube	Salt-resistant cross fin & copper tube	Salt-resistant cross fin & copper tube	Salt-resistant cross fin & copper tube	Salt-resistant cross fin & copper tube
Pipe between unit and distributor	High pressure mm (in.)	15.88(5/8) Brazed	15.88(5/8) Brazed	15.88(5/8) Brazed	19.05(3/4) Brazed	19.05(3/4) Brazed
	Low pressure mm (in.)	19.05(3/4) Brazed	-	19.05(3/4) Brazed	-	22.2(7/8) Brazed
Optional parts		Outdoor Twinning kit: CMY-R100VBK Joint: CMY-Y102S-G2, CMY-Y102L-G2, CMY-R160-J1 Main BC controller: CMB-P108, 1010, 1013, 1016V-GA1 Sub BC controller: CMB-P104, 108V-GB1, CMB-P1016V-HB1	Outdoor Twinning kit: CMY-R100VBK Joint: CMY-Y102S-G2, CMY-Y102L-G2, CMY-R160-J1 Main BC controller: CMB-P108, 1010, 1013, 1016V-GA1 Sub BC controller: CMB-P104, 108V-GB1, CMB-P1016V-HB1	Outdoor Twinning kit: CMY-R100VBK Joint: CMY-Y102S-G2, CMY-Y102L-G2, CMY-R160-J1 Main BC controller: CMB-P108, 1010, 1013, 1016V-GA1 Sub BC controller: CMB-P104, 108V-GB1, CMB-P1016V-HB1	Outdoor Twinning kit: CMY-R100VBK Joint: CMY-Y102S-G2, CMY-Y102L-G2, CMY-R160-J1 Main BC controller: CMB-P108, 1010, 1013, 1016V-GA1 Sub BC controller: CMB-P104, 108V-GB1, CMB-P1016V-HB1	Outdoor Twinning kit: CMY-R100VBK Joint: CMY-Y102S-G2, CMY-Y102L-G2, CMY-R160-J1 Main BC controller: CMB-P108, 1010, 1013, 1016V-GA1 Sub BC controller: CMB-P104, 108V-GB1, CMB-P1016V-HB1

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.)

*3 -5°C DB (23°F DB) / -6°C WB (21°F WB) to 21°C DB (70°F DB) / 15.5°C WB (60°F WB) with cooling/heating mixed operation.

*4 External static pressure option is available (30Pa, 60Pa / 3.1mmH₂O, 6.1mmH₂O).

*Nominal condition *1, *2 are subject to JIS B8615-1.

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

Outdoor Unit

OUTDOOR UNIT R2 Series PURY-P YSJM-A(1)(-BS)



► Specifications

Model	PURY-P500YSJM-A1(-BS)		PURY-P550YSJM-A(-BS)		PURY-P600YSJM-A(-BS)			
Power source	3-phase 4-wire 380-400-415V 50/60Hz							
Cooling capacity (Nominal)	*1 kW	56.0		63.0		69.0		
	*1 BTU / h	191,100		215,000		235,400		
	Power input kW	14.73		17.30		19.65		
	Current input A	24.8-23.6-22.7		29.2-27.7-26.7		33.1-31.5-30.3		
	COP	3.80		3.64		3.51		
Temp. range of cooling	*3 Indoor 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)		
	*3 Outdoor 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	63.0		69.0		76.5		
	*2 BTU / h	215,000		235,400		261,000		
	Power input kW	15.07		16.95		19.07		
	Current input A	25.4-24.1-23.2		28.6-27.1-26.2		32.1-30.5-29.4		
	COP	4.18		4.07		4.01		
Temp. range of heating	*3 Indoor W.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)		
	*3 Outdoor 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 50-150 % of outdoor unit capacity		50-150 % of outdoor unit capacity		50-150 % of outdoor unit capacity			
Sound pressure level (measured in anechoic room)	dB <A>	61		61		62		
Power pressure level (measured in anechoic room)	dB <A>	81		81		82		
Refrigerant piping diameter	High pressure mm (in.)	22.2(7/8) Braze		28.58(1-1/8) Braze		28.58(1-1/8) Braze		
	Low pressure mm (in.)	28.58(1-1/8) Braze		28.58(1-1/8) Braze		28.58(1-1/8) Braze		
Set Model								
Model	PURY-P200YJM-A(-BS)		PURY-P300YJM-A(-BS)		PURY-P300YJM-A(-BS)			
FAN	Type x Quantity	Propeller fan x 1		Propeller fan x 1		Propeller fan x 1		
	Air flow rate	m ³ /min	185		185		185	
		L/s	3,083		3,083		3,083	
		cfm	6,532		6,532		6,532	
	Driving mechanism	Inverter-control, Direct-driven by motor						
*4 External static press.	0 Pa (0 mmH ₂ O)		0 Pa (0 mmH ₂ O)		0 Pa (0 mmH ₂ O)			
Compressor	Type x Quantity	Inverter scroll hermetic compressor		Inverter scroll hermetic compressor		Inverter scroll hermetic compressor		
	Starting method	Inverter		Inverter		Inverter		
	Motor output kW	5.4		7.8		7.8		
	Case heater kW	0.035(240 V)		0.045(240 V)		0.045(240 V)		
External finish	Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>							
External dimension HxWxD	mm	1,710(1,650 without legs) x 920 x 760		1,710(1,650 without legs) x 920 x 760		1,710(1,650 without legs) x 920 x 760		
	in.	67-3/8(65 without legs) x 36-1/4 x 29-15/16		67-3/8(65 without legs) x 36-1/4 x 29-15/16		67-3/8(65 without legs) x 36-1/4 x 29-15/16		
Protection devices	High pressure protection	High pressure sensor, High pressure switch at 4.15MPa (601 psi)		High pressure sensor, High pressure switch at 4.15MPa (601 psi)		High pressure sensor, High pressure switch at 4.15MPa (601 psi)		
	Inverter circuit (COMP./FAN)	Over-heat protection, Over-current protection		Over-heat protection, Over-current protection		Over-heat protection, Over-current protection		
	Compressor	Over-heat protection		Over-heat protection		Over-heat protection		
	Fan motor	Thermal switch		Thermal switch		Thermal switch		
Refrigerant	Type x original charge	R410A x 9.5kg (21lbs)		R410A x 9.5kg (21lbs)		R410A x 9.5kg (21lbs)		
Net weight	kg (lbs)	240(530)		245(541)		245(541)		
Heat exchanger	Salt-resistant cross fin & copper tube							
Pipe between unit and distributor	High pressure mm (in.)	15.88(5/8) Braze		19.05(3/4) Braze		19.05(3/4) Braze		
	Low pressure mm (in.)	19.05(3/4) Braze		22.2(7/8) Braze		22.2(7/8) Braze		
Optional parts	Outdoor Twinning kit: CMY-R100VBK Joint: CMY-Y102S-G2, CMY-Y102L-G2, CMY-R160-J1 Main BC controller: CMB-P108, 1010, 1013, 1016V-GA1 Sub BC controller: CMB-P104, 108V-GB1, CMB-P1016V-HB1							

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.)

*3 -5°C DB (23°F DB) / -6°C WB (21°F WB) to 21°C DB (70°F DB) / 15.5°C WB (60°F WB) with cooling/heating mixed operation.

*4 External static pressure option is available (30Pa, 60Pa / 3.1mmH₂O, 6.1mmH₂O).

*Nominal condition *1, *2 are subject to JIS B8615-1.

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

Outdoor unit

OUTDOOR UNIT R2 Series PURY-P YSJM-A(1)(-BS)



► Specifications

Model	PURY-P600YSJM-A1(-BS)		PURY-P650YSJM-A(-BS)		PURY-P700YSJM-A(-BS)			
Power source	3-phase 4-wire 380-400-415V 50/60Hz							
Cooling capacity (Nominal)	*1 kW	69.0		73.0		80.0		
	*1 BTU / h	235,400		249,100		273,000		
	Power input kW	19.16		21.53		23.95		
	Current input A	32.3-30.7-29.6		36.3-34.5-33.2		40.4-38.4-37.0		
	COP	3.60		3.39		3.34		
Temp. range of cooling	*3 Indoor 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)		
	*3 Outdoor 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	76.5		81.5		88.0		
	*2 BTU / h	261,000		278,100		300,300		
	Power input kW	18.61		20.47		22.33		
	Current input A	31.4-29.8-28.7		34.5-32.8-31.6		37.6-35.8-34.5		
	COP	4.11		3.98		3.94		
Temp. range of heating	*3 Indoor 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)		
	*3 Outdoor 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 50-150 % of outdoor unit capacity		50-150 % of outdoor unit capacity		50-150 % of outdoor unit capacity			
Sound pressure level (measured in anechoic room)	dB <A>	62		62.5		63		
Power pressure level (measured in anechoic room)	dB <A>	82		82.5		83		
Refrigerant piping diameter	High pressure mm (in.)	28.58(1-1/8) Braze		28.58(1-1/8) Braze		28.58(1-1/8) Braze		
	Low pressure mm (in.)	28.58(1-1/8) Braze		28.58(1-1/8) Braze		34.93(1-3/8) Braze		
Set Model								
Model	PURY-P250YJM-A(-BS)		PURY-P350YJM-A(-BS)		PURY-P350YJM-A(-BS)			
FAN	Type x Quantity	Propeller fan x 1		Propeller fan x 1		Propeller fan x 1		
	Air flow rate	m ³ /min	185		225		225	
		L/s	3,083		3,750		3,750	
		cfm	6,532		7,945		7,945	
	Driving mechanism	Inverter-control, Direct-driven by motor						
*4 External static press.	0 Pa (0 mmH ₂ O)		0 Pa (0 mmH ₂ O)		0 Pa (0 mmH ₂ O)			
Compressor	Type x Quantity	Inverter scroll hermetic compressor		Inverter scroll hermetic compressor		Inverter scroll hermetic compressor		
	Starting method	Inverter		Inverter		Inverter		
	Motor output kW	6.8		9.9		7.8		
	Case heater kW	0.035(240 V)		0.045(240 V)		0.045(240 V)		
External finish	Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>							
External dimension HxWxD	mm	1,710(1,650 without legs) x 920 x 760		1,710(1,650 without legs) x 1,220 x 760		1,710(1,650 without legs) x 1,220 x 760		
	in.	67-3/8(65 without legs) x 36-1/4 x 29-15/16		67-3/8(65 without legs) x 48-1/16 x 29-15/16		67-3/8(65 without legs) x 48-1/16 x 29-15/16		
Protection devices	High pressure protection	High pressure sensor, High pressure switch at 4.15MPa (601 psi)		High pressure sensor, High pressure switch at 4.15MPa (601 psi)		High pressure sensor, High pressure switch at 4.15MPa (601 psi)		
	Inverter circuit (COMP./FAN)	Over-heat protection, Over-current protection		Over-heat protection, Over-current protection		Over-heat protection, Over-current protection		
	Compressor	Over-heat protection		Over-heat protection		Over-heat protection		
	Fan motor	Thermal switch		Thermal switch		Thermal switch		
Refrigerant	Type x original charge	R410A x 9.5kg (21lbs)		R410A x 11.8kg (27lbs)		R410A x 9.5kg (21lbs)		
Net weight	kg (lbs)	240(530)		270(596)		245(541)		
Heat exchanger	Salt-resistant cross fin & copper tube							
Pipe between unit and distributor	High pressure mm (in.)	19.05(3/4) Braze		19.05(3/4) Braze		22.2(7/8) Braze		
	Low pressure mm (in.)	22.2(7/8) Braze		22.2(7/8) Braze		22.2(7/8) Braze		
Optional parts	Outdoor Twinning kit: CMY-R100VBK Joint: CMY-Y102S-G2, CMY-Y102L-G2, CMY-R160-J1 Main BC controller: CMB-P108, 1010, 1013, 1016V-GA1 Sub BC controller: CMB-P104, 108V-GB1, CMB-P1016V-HB1							

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.)

*3 -5°C DB (23°F DB) / -6°C WB (21°F WB) to 21°C DB (70°F DB) / 15.5°C WB (60°F WB) with cooling/heating mixed operation.

*4 External static pressure option is available (30Pa, 60Pa / 3.1mmH₂O, 6.1mmH₂O).

*Nominal condition *1, *2 are subject to JIS B8615-1.

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

Outdoor Unit

OUTDOOR UNIT R2 Series PURY-P YSJM-A(1)(-BS)



► Specifications

Model	PURY-P700YSJM-A1(-BS)		PURY-P750YSJM-A(-BS)		PURY-P800YSJM-A(-BS)		
Power source	3-phase 4-wire 380-400-415V 50/60Hz						
Cooling capacity (Nominal)	*1 kW	80.0		85.0		90.0	
	*1 BTU / h	273,000		290,000		307,100	
	Power input kW	23.39		26.47		28.30	
	Current input A	39.4-37.5-36.1		44.6-42.4-40.9		47.7-45.3-43.7	
COP	kW / kW	3.42		3.21		3.18	
	Indoor 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 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	88.0		95.0		100.0	
	*2 BTU / h	300,300		324,100		341,200	
	Power input kW	21.78		24.05		26.04	
	Current input A	36.7-34.9-33.6		40.6-38.5-37.1		43.9-41.7-40.2	
COP	kW / kW	4.04		3.95		3.84	
	Indoor W.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 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	50-150 % of outdoor unit capacity		50-150 % of outdoor unit capacity		50-150 % of outdoor unit capacity	
	Model / Quantity	P15-P250 / 2-50		P15-P250 / 2-50		P15-P250 / 2-50	
Sound pressure level (measured in anechoic room)	dB <A>	63		63.5		64	
Power pressure level (measured in anechoic room)	dB <A>	83		83.5		84	
Refrigerant piping diameter	High pressure mm (in.)	28.58(1-1/8) Brazed		28.58(1-1/8) Brazed		28.58(1-1/8) Brazed	
	Low pressure mm (in.)	34.93(1-3/8) Brazed		34.93(1-3/8) Brazed		34.93(1-3/8) Brazed	
Set Model							
Model	PURY-P350YJM-A(-BS)		PURY-P350YJM-A(-BS)		PURY-P400YJM-A(-BS)		
FAN	Type x Quantity	Propeller fan x 1		Propeller fan x 1		Propeller fan x 1	
	Air flow rate	m³/min	225		225		225
		L/s	3,750		3,750		3,750
		cfm	7,945		7,945		7,945
Driving mechanism	Inverter-control, Direct-driven by motor						
Motor output kW	0.92 x 1		0.92 x 1		0.92 x 1		
*4 External static press.	0 Pa (0 mmH ₂ O)		0 Pa (0 mmH ₂ O)		0 Pa (0 mmH ₂ O)		
Compressor	Type x Quantity	Inverter scroll hermetic compressor		Inverter scroll hermetic compressor		Inverter scroll hermetic compressor	
	Starting method	Inverter		Inverter		Inverter	
	Motor output kW	9.9		9.9		10.2	
	Case heater kW	0.045(240 V)		0.045(240 V)		0.045(240 V)	
External finish	Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>						
	External dimension HxWxD	1,710(1,650 without legs) x 1,220 x 760		1,710(1,650 without legs) x 1,220 x 760		1,710(1,650 without legs) x 1,220 x 760	
Protection devices	High pressure protection	High pressure sensor, High pressure switch at 4.15MPa (601 psi)		High pressure sensor, High pressure switch at 4.15MPa (601 psi)		High pressure sensor, High pressure switch at 4.15MPa (601 psi)	
	Inverter circuit (COMP./FAN)	Over-heat protection, Over-current protection		Over-heat protection, Over-current protection		Over-heat protection, Over-current protection	
	Compressor	Over-heat protection		Over-heat protection		Over-heat protection	
	Fan motor	Thermal switch		Thermal switch		Thermal switch	
Refrigerant	Type x original charge	R410A x 11.8kg (27lbs)		R410A x 11.8kg (27lbs)		R410A x 11.8kg (27lbs)	
Net weight	kg (lbs)	270(596)		270(596)		270(596)	
Heat exchanger	Salt-resistant cross fin & copper tube						
Pipe between unit and distributor	High pressure mm (in.)	19.05(3/4) Brazed		19.05(3/4) Brazed		22.2(7/8) Brazed	
	Low pressure mm (in.)	28.58(1-1/8) Brazed		28.58(1-1/8) Brazed		28.58(1-1/8) Brazed	
Optional parts	Outdoor Twinning kit: CMY-R200VBK Joint: CMY-Y102S-G2, CMY-Y102L-G2, CMY-R160-J1 Main BC controller: CMB-P1016V-HA1 Sub BC controller: CMB-P104, 108V-GB1, CMB-P1016V-HB1						

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.)

*3 -5°C DB (23°F DB) / -6°C WB (21°F WB) to 21°C DB (70°F DB) / 15.5°C WB (60°F WB) with cooling/heating mixed operation.

*4 External static pressure option is available (30Pa, 60Pa / 3.1mmH₂O, 6.1mmH₂O).

*Nominal condition *1, *2 are subject to JIS B8615-1.

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

Outdoor unit

OUTDOOR UNIT R2 Series PURY-P YSJM-A(1)(-BS)



► Specifications

Model	PURY-P800YSJM-A1(-BS)		PURY-P850YSJM-A(-BS)		PURY-P900YSJM-A(-BS)		
Power source	3-phase 4-wire 380-400-415V 50/60Hz						
Cooling capacity (Nominal)	*1 kW	90.0		96.0		101.0	
	*1 BTU / h	307,100		327,600		344,600	
	Power input kW	26.62		29.26		30.23	
	Current input A	44.9-42.6-41.1		49.3-46.9-45.2		51.0-48.4-46.7	
COP	kW / kW	3.38		3.28		3.34	
	Indoor 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 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	108.0		113.0		118.0	
	*2 BTU / h	341,200		368,500		385,600	
	Power input kW	25.77		28.42		30.05	
	Current input A	43.5-41.3-39.8		47.9-45.5-43.9		50.7-48.1-46.4	
COP	kW / kW	3.88		3.80		3.76	
	Indoor W.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 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	50-150 % of outdoor unit capacity		50-150 % of outdoor unit capacity		50-150 % of outdoor unit capacity	
	Model / Quantity	P15-P250 / 2-50		P15-P250 / 2-50		P15-P250 / 2-50	
Sound pressure level (measured in anechoic room)	dB <A>	64		64.5		65	
Power pressure level (measured in anechoic room)	dB <A>	84		84.5		85	
Refrigerant piping diameter	High pressure mm (in.)	28.58(1-1/8) Brazed		28.58(1-1/8) Brazed		28.58(1-1/8) Brazed	
	Low pressure mm (in.)	34.93(1-3/8) Brazed		41.28(1-5/8) Brazed		41.28(1-5/8) Brazed	
Set Model							
Model	PURY-P350YJM-A(-BS)		PURY-P450YJM-A(-BS)		PURY-P400YJM-A(-BS)		
FAN	Type x Quantity	Propeller fan x 1		Propeller fan x 2		Propeller fan x 1	
	Air flow rate	m³/min	225		360		225
		L/s	3,750		6,000		3,750
		cfm	7,945		12,712		7,945
Driving mechanism	Inverter-control, Direct-driven by motor						
Motor output kW	0.92 x 1		0.92 x 2		0.92 x 1		
*4 External static press.	0 Pa (0 mmH ₂ O)		0 Pa (0 mmH ₂ O)		0 Pa (0 mmH ₂ O)		
Compressor	Type x Quantity	Inverter scroll hermetic compressor		Inverter scroll hermetic compressor		Inverter scroll hermetic compressor	
	Starting method	Inverter		Inverter		Inverter	
	Motor output kW	9.9		11.6		10.2	
	Case heater kW	0.045(240 V)		0.045(240 V)		0.045(240 V)	
External finish	Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>						
	External dimension HxWxD	1,710(1,650 without legs) x 1,220 x 760		1,710(1,650 without legs) x 1,750 x 760		1,710(1,650 without legs) x 1,220 x 760	
Protection devices	High pressure protection	High pressure sensor, High pressure switch at 4.15MPa (601 psi)		High pressure sensor, High pressure switch at 4.15MPa (601 psi)		High pressure sensor, High pressure switch at 4.15MPa (601 psi)	
	Inverter circuit (COMP./FAN)	Over-heat protection, Over-current protection		Over-heat protection, Over-current protection		Over-heat protection, Over-current protection	
	Compressor	Over-heat protection		Over-heat protection		Over-heat protection	
	Fan motor	Thermal switch		Thermal switch		Thermal switch	
Refrigerant	Type x original charge	R410A x 11.8kg (27lbs)		R410A x 11.8kg (27lbs)		R410A x 11.8kg (27lbs)	
Net weight	kg (lbs)	270(596)		320(706)		270(596)	
Heat exchanger	Salt-resistant cross fin & copper tube						
Pipe between unit and distributor	High pressure mm (in.)	19.05(3/4) Brazed		22.2(7/8) Brazed		22.2(7/8) Brazed	
	Low pressure mm (in.)	28.58(1-1/8) Brazed		28.58(1-1/8) Brazed		28.58(1-1/8) Brazed	
Optional parts	Outdoor Twinning kit: CMY-R200XLVBK Joint: CMY-Y102S-G2, CMY-Y102L-G2, CMY-R160-J1 Main BC controller: CMB-P1016V-HA1 Sub BC controller: CMB-P104, 108V-GB1, CMB-P1016V-HB1						

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.)

*3 -5°C DB (23°F DB) / -6°C WB (21°F WB) to 21°C DB (70°F DB) / 15.5°C WB (60°F WB) with cooling/heating mixed operation.

*4 External static pressure option is available (30Pa, 60Pa / 3.1mmH₂O, 6.1mmH₂O).

*Nominal condition *1, *2 are subject to JIS B8615-1.

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

Outdoor Unit