

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 W.B.	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	
	D.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 D.B.	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

Model	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
	Pressure drop	kPa	17	17	17	17
		cfm	3.4 + 3.4 + 3.4			3.4 + 3.4 + 3.4
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
External finish	Starting method	Inverter	Inverter	Inverter	Inverter	
		Motor output kW	7.4	7.4	6.3	7.4
	Case heater kW	0.035(240 V)	0.035(240 V)	0.035(240 V)	0.035(240 V)	
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	
		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
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	
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)	
	Net weight	195(430)	195(430)	195(430)	195(430)	
Heat exchanger	Water volume in plate	L	5.0	5.0	5.0	
	Water pressure Max. ★	MPa	1.0	1.0	1.0	
Optional parts	Heat Source Twinning kit: CMY-Y300VBK2			Heat Source Twinning kit: CMY-Y300VBK2		
	Joint: CMY-Y102S-G2, CMY-Y102L-G2, CMY-Y202-G2, CMY-Y302-G2			Joint: CMY-Y102S-G2, CMY-Y102L-G2, CMY-Y202-G2, CMY-Y302-G2		
Header: CMY-Y104/108/1010-G			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 D.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	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	
	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)	
Temp. range of heating	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)	
	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		
	Model / Quantity	P15-P250 / 1-20		P15-P250 / 1-25		
Sound pressure level (measured in anechoic room)	dB <A>	56		57		
Power pressure level (measured in anechoic room)	dB <A>	76		77		
Refrigerant piping diameter	High pressure mm (in.)	15.88(5/8) Brazed		19.05(3/4) Brazed		
	Low pressure mm (in.)	19.05(3/4) Brazed		22.2(7/8) Brazed		
FAN	Type x Quantity	Propeller fan x 1		Propeller fan x 1		
	Air flow rate	m ³ /min	185		185	
		L/s	3,083		3,083	
	cfm	6,532		6,532		
Driving mechanism	Type x Quantity	Inverter-control, Direct-driven by motor		Inverter-control, Direct-driven by motor		
	Motor output kW	0.92 x 1		0.92 x 1		
External static press.	Type x Quantity	0 Pa (0 mmH ₂ O)		0 Pa (0 mmH ₂ O)		
	Compressor	Inverter scroll hermetic compressor		Inverter scroll hermetic compressor		
Compressor	Starting method	Inverter		Inverter		
	Motor output kW	5.4		6.8		
	Case heater kW	0.035(240 V)		0.045(240 V)		
External finish	Type x Quantity	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>		
	External dimension HxWxD	mm		mm		
External dimension HxWxD	mm	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		
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 9.5kg (21lbs)		R410A x 9.5kg (21lbs)		
Net weight	kg (lbs)	240(530)		245(541)		
Heat exchanger	Type x original charge	Salt-resistant cross fin & copper tube		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		
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
	*1 BTU/h	136,500	153,500
	Power input kW	11.33	13.55
	Current input A	19.1-18.1-17.5	22.8-21.7-20.9
Temp. range of cooling	Indoor W.B.	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)
	COP	3.53	3.32
Heating capacity (Nominal)	*2 kW	45.0	50.0
	*2 BTU/h	153,500	170,600
	Power input kW	10.89	12.75
	Current input A	18.3-17.4-16.8	21.5-20.4-19.7
Temp. range of heating	Indoor W.B.	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)
	COP	4.13	3.92
Indoor unit connectable	50-150 % of outdoor unit capacity		
Sound pressure level (measured in anechoic room)	dB <A>		
Power pressure level (measured in anechoic room)	dB <A>		
Refrigerant piping diameter	High pressure mm (in.)	19.05(3/4) Braze	22.2(7/8) Braze
	Low pressure mm (in.)	28.58(1-1/8) Braze	28.58(1-1/8) Braze
FAN	Type x Quantity	Propeller fan x 1	Propeller fan x 2
	Air flow rate	m ³ /min	225
		L/s	3,750
		cfm	7,945
	Driving mechanism	Inverter-control, Direct-driven by motor	
	Motor output kW	0.92 x 1	
	*4 External static press.	0 Pa (0 mmH ₂ O)	
	Compressor	Inverter scroll hermetic compressor	
	Starting method	Inverter	
	Case heater kW	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)	
	Inverter circuit (COMP./FAN)	Over-heat protection, Over-current protection	
	Compressor	Over-heat protection	
	Fan motor	Thermal switch	
Refrigerant	Type x original charge	R410A x 11.8kg (27lbs)	
Net weight	kg (lbs)	270(596)	
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 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
	*1 BTU/h	153,500	170,600
	Power input kW	10.73	12.50
	Current input A	18.1-17.2-16.5	21.1-20.0-19.3
Temp. range of cooling	Indoor W.B.	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)
	COP	4.19	4.00
Heating capacity (Nominal)	*2 kW	50.0	56.0
	*2 BTU/h	170,600	191,100
	Power input kW	11.62	13.30
	Current input A	19.6-18.6-17.9	22.4-21.3-20.5
Temp. range of heating	Indoor W.B.	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)
	COP	4.30	4.21
Indoor unit connectable	50-150 % of outdoor unit capacity		
Sound pressure level (measured in anechoic room)	dB <A>		
Power pressure level (measured in anechoic room)	dB <A>		
Refrigerant piping diameter	High pressure mm (in.)	22.2(7/8) Braze	22.2(7/8) Braze
	Low pressure mm (in.)	28.58(1-1/8) Braze	28.58(1-1/8) Braze
Set Model	FAN	Type x Quantity	Propeller fan x 1
	Air flow rate	m ³ /min	185
		L/s	3,083
		cfm	6,532
	Driving mechanism	Inverter-control, Direct-driven by motor	
	Motor output kW	0.92 x 1	
	*4 External static press.	0 Pa (0 mmH ₂ O)	
	Compressor	Type x Quantity	Inverter scroll hermetic compressor
	Starting method	Inverter	
	Motor output kW	5.4	
Case heater kW	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
	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
Protection devices	High pressure protection	High pressure sensor, High pressure switch at 4.15MPa (601 psi)	
	Inverter circuit (COMP./FAN)	Over-heat protection, Over-current protection	
	Compressor	Over-heat protection	
	Fan motor	Thermal switch	
Refrigerant	Type x original charge	R410A x 9.5kg (21lbs)	
Net weight	kg (lbs)	240(530)	
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 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) Braze	22.2(7/8) Braze	22.2(7/8) Braze			
	Low pressure mm (in.)	28.58(1-1/8) Braze	28.58(1-1/8) Braze	28.58(1-1/8) Braze			
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 2	0.92 x 2			
	*4 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			
External dimension HxWxD	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	67-3/8(65 without legs) x 68-15/16 x 29-15/16			
	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)			
Protection devices	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)	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	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				
	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)	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 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) Braze	22.2(7/8) Braze	22.2(7/8) 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	FAN	Type x Quantity	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
	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
	*4 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>		
	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
External dimension HxWxD	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	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
	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)
Protection devices	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
	Compressor	Over-heat protection	Over-heat protection	Over-heat protection	Over-heat protection	Over-heat protection
	Fan motor	Thermal switch	Thermal switch	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)	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) Braze	15.88(5/8) Braze	15.88(5/8) Braze	19.05(3/4) Braze	19.05(3/4) Braze
	Low pressure mm (in.)	19.05(3/4) Braze	-	19.05(3/4) Braze	-	22.2(7/8) Braze
Optional parts	Outdoor Twinning kit: CMY-R100VBK	Outdoor Twinning kit: CMY-R100VBK	Outdoor Twinning kit: CMY-R100VBK	Outdoor Twinning kit: CMY-R100VBK		
	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	Joint: CMY-Y102S-G2, CMY-Y102L-G2, CMY-R160-J1		
	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)	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 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 kW/kW	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)		
	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 kW/kW	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)		
	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 / 1-50		P15-P250 / 2-50		P15-P250 / 2-50		
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	m³/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)		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 kW/kW	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)		
	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 kW/kW	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)		
	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>	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-P300YJM-A(-BS)			
FAN	Type x Quantity	Propeller fan x 1		Propeller fan x 1		Propeller fan x 1		
	Air flow rate	m³/min	185		225		185	
		L/s	3,083		3,750		3,083	
		cfm	6,532		7,945		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)		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 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 48-1/16 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 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	PURY-P350YJM-A(-BS)		PURY-P350YJM-A(-BS)		PURY-P400YJM-A(-BS)		PURY-P400YJM-A(-BS)		
FAN	Type x Quantity	Propeller fan x 1		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		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)		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	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 1,220 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		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		
	Main BC controller: CMB-P1016V-HA1		Main BC controller: CMB-P1016V-HA1		Main BC controller: CMB-P1016V-HA1		Main BC controller: CMB-P1016V-HA1		
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)	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	PURY-P350YJM-A(-BS)		PURY-P450YJM-A(-BS)		PURY-P400YJM-A(-BS)		PURY-P450YJM-A(-BS)		
FAN	Type x Quantity	Propeller fan x 1		Propeller fan x 2		Propeller fan x 1		Propeller fan x 2	
	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		0.92 x 2	
*4 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)		
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	mm	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 1,750 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			
	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		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		
	Main BC controller: CMB-P1016V-HA1		Main BC controller: CMB-P1016V-HA1		Main BC controller: CMB-P1016V-HA1		Main BC controller: CMB-P1016V-HA1		
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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.

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Outdoor Unit