

OUTDOOR UNIT R2 Series - High COP PURY-EP YHM-A(-BS)



► Specifications

		PURY-EP200YHM-A(-BS)	PURY-EP250YHM-A(-BS)	PURY-EP300YHM-A(-BS)
Power source		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	5.23	6.86	8.33
	Current input A	8.8-8.3-8.0	11.5-11.0-10.6	14.0-13.3-12.8
COP (kW/kW)		4.28	4.08	4.02
	Indoor W.B.	15 ~ 24°C (59 ~ 75°F)		
	Outdoor D.B.	- 5 ~ 43°C (23 ~ 109°F)		
	Temp. #3 range of cooling			
Heating capacity (Nominal)	#2 kW	25.0	31.5	37.5
	#2 BTU/h	85,300	107,500	128,000
	Power input kW	5.81	7.60	9.37
	Current input A	9.8-9.3-8.9	12.8-12.1-11.7	15.8-15.0-14.4
COP (kW/kW)		4.30	4.14	4.00
	Indoor temp. D.B.	15 ~ 27°C (59 ~ 81°F)		
	Outdoor temp. W.B.	-20 ~ 15.5°C (-4 ~ 60°F)		
	Temp. #3 range of heating			
Indoor unit connectable	Total 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>	57	60	60
Diameter of refrigerant pipe	High pressure mm(in.)	ø15.88 (ø5/8) Brazed	ø19.05 (ø3/4) Brazed	ø19.05 (ø3/4) Brazed
	Low pressure mm(in.)	ø19.05 (ø3/4) Brazed	ø22.2 (ø7/8) Brazed	ø22.2 (ø7/8) Brazed
External finish		Pre-coated galvanized steel sheets (+ powder coating for-BS type) <MUNSELL 5Y 8/1>		
External dimension H X W X D	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
Net weight	kg(lbs)	235 (518)	265 (584)	265 (584)
Heat exchanger		Salt-resistant cross fin & copper tube		
Compressor	Type	Inverter scroll hermetic compressor		
FAN	Starting method	Inverter		
	Motor output kW	5.4	6.7	8.0
	m³/min	185	225	225
	Air flow rate L/s	3.083	3,750	3,750
Type X Quantity	cfm	6,532	7,945	7,945
	Propeller fan X 1	Propeller fan X 1	Propeller fan X 1	Propeller fan X 1
	Motor output kW	0.92	0.92	0.92
	High pressure protection	High pressure sensor, High pressure switch 4.15 MPa (601 psi)		
Protection	Inverter circuit (COMP./FAN)	Over-heat protection, Over-current protection		
	Compressor	Over-heat protection		
Refrigerant	Type X Original charge	R410A X 10.5kg (24 lbs)	R410A X 11.8kg (26lbs)	R410A X 11.8kg (26 lbs)
Optional parts		joint : CMY-Y102S-G2, CMY-Y102L-G2, CMY-R160-J		
		BC controller : CMB-P104, 105, 106, 108, 1010, 1013, 1016V-G		
		Main BC controller : CMB-P108, 1010, 1013, 1016V-GA		
		Sub BC controller : CMB-P104, 108V-GB, CMB-P1016V-HB		

Note:

- #1 Nominal cooling conditions
Indoor 27°C (81°F) DB/19°C (66°F) WB, Outdoor 35°C (95°F) DB
Pipe length 7.5 m (24-9/16 ft), Level difference 0 m (0 ft)
- #2 Nominal heating conditions
Indoor 20°C (68°F) DB, Outdoor 7°C (45°F) DB/6°C (43°F) WB
Pipe length 7.5 m (24-9/16 ft), Level difference 0 m (0 ft)
- #3 -5°C (23°F) DB/-6°C (21°F) WB -21°C (70°F) DB/15.5°C (60°F) WB with cooling/heating mixed operation.

OUTDOOR UNIT R2 Series - High COP PURY-EP YSHM-A(-BS)



► Specifications

		PURY-EP400YSHM-A(-BS)
Power source		3-phase 4-wire 380-400-415V 50/60Hz
Cooling capacity (Nominal)	#1 kW	45.0
	#1 BTU/h	153,500
	Power input kW	10.57
	Current input A	17.8-16.9-16.3
COP (kW/kW)		4.25
	Indoor W.B.	15 ~ 24°C (59 ~ 75°F)
	Outdoor D.B.	- 5 ~ 43°C (23 ~ 109°F)
	Temp. #3 range of cooling	
Heating capacity (Nominal)	#2 kW	50.0
	#2 BTU/h	170,600
	Power input kW	11.37
	Current input A	19.8-18.8-18.1
COP (kW/kW)		4.26
	Indoor temp. D.B.	15 ~ 27°C (59 ~ 81°F)
	Outdoor temp. W.B.	-20 ~ 15.5°C (-4 ~ 60°F)
	Temp. #3 range of heating	
Indoor unit connectable	Total capacity	50 ~ 150% of outdoor unit capacity
	Model/Quantity	P15 ~ P250 / 1 ~ 40
Sound pressure level (measured in anechoic room)	dB<A>	60
Diameter of refrigerant pipe	High pressure mm(in.)	ø22.2 (ø7/8) Brazed
	Low pressure mm(in.)	ø28.58 (ø1-1/8) Brazed
Model		PURY-EP200YHM-A(-BS)
External finish		Pre-coated galvanized steel sheets (+ powder coating for-BS type) <MUNSELL 5Y 8/1>
External dimension H X W X D	mm	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
Net weight	kg(lbs)	235 (518)
Heat exchanger		Salt-resistant cross fin & copper tube
Compressor	Type	Inverter scroll hermetic compressor
FAN	Starting method	Inverter
	Motor output kW	5.4
	m³/min	185
	Air flow rate L/s	3.083
Type X Quantity	cfm	6,532
	Propeller fan X 1	Propeller fan X 1
	Motor output kW	0.92
	High pressure protection	High pressure sensor, High pressure switch 4.15 MPa (601 psi)
Protection	Inverter circuit (COMP./FAN)	Over-heat protection, Over-current protection
	Compressor	Over-heat protection
Refrigerant	Type X Original charge	R410A X 10.5kg (24 lbs)
Optional parts		joint : CMY-Y102S-G2, CMY-Y102L-G2, CMY-R100VBK
		joint : CMY-Y102S-G2, CMY-Y102L-G2, CMY-R160-J
		Main BC controller : CMB-P108, 1010, 1013, 1016V-GA
		Sub BC controller : CMB-P104, 108V-GB, CMB-P1016V-HB

Note:

- #1 Nominal cooling conditions
Indoor 27°C (81°F) DB/19°C (66°F) WB, Outdoor 35°C (95°F) DB
Pipe length 7.5 m (24-9/16 ft), Level difference 0 m (0 ft)
- #2 Nominal heating conditions
Indoor 20°C (68°F) DB, Outdoor 7°C (45°F) DB/6°C (43°F) WB
Pipe length 7.5 m (24-9/16 ft), Level difference 0 m (0 ft)
- #3 -5°C (23°F) DB/-6°C (21°F) WB -21°C (70°F) DB/15.5°C (60°F) WB with cooling/heating mixed operation.



Outdoor unit

Outdoor Unit



OUTDOOR UNIT

R2 Series - High COP

PURY-EP YSHM-A(-BS)



► Specifications

Set name		PURY-EP450YSHM-A1(-BS)		PURY-EP500YSHM-A(-BS)	
Power source		#1 kW		3-phase 4-wire 380-400-415V 50/60Hz	
Cooling capacity (Nominal)	#1	50.0		56.0	
	#1	170.600		191.100	
Power input	#1	12.07		13.70	
	#1	20.3-19.3-18.6		23.1-21.9-21.1	
Current input		A		A	
COP (kW/kW)		4.14		4.08	
Temp. #3 range of cooling	Indoor	W.B.		15 ~ 24°C (59 ~ 75°F)	
	Outdoor	D.B.		- 5 ~ 43°C (23 ~ 109°F)	
Heating capacity (Nominal)	#2	56.0		63.0	
	#2	191.100		215.000	
Power input	#2	13.23		15.33	
	#2	22.3-21.2-20.4		25.8-24.5-23.6	
Current input		A		A	
COP (kW/kW)		4.23		4.10	
Temp. #3 range of heating	Indoor temp.	D.B.		15 ~ 27°C (59 ~ 81°F)	
	Outdoor temp.	W.B.		-20 ~ 15.5°C (-4 ~ 60°F)	
Indoor unit connectable		Total capacity		50 ~ 150% of outdoor unit capacity	
Sound pressure level (measured in anechoic room)		Model/Quantity		P15 ~ P250 / 1 ~ 45	
Diameter of refrigerant pipe		P15 ~ P250 / 1 ~ 50 (Connectable branch pipe number is max. 48.)		P15 ~ P250 / 1 ~ 50 (Connectable branch pipe number is max. 48.)	
Model		P15 ~ P250 / 1 ~ 45		P15 ~ P250 / 1 ~ 50 (Connectable branch pipe number is max. 48.)	
External finish		Pre-coated galvanized steel sheets (+ powder coating for BS type) <MUNSELL 5Y 8/1>		Pre-coated galvanized steel sheets (+ powder coating for BS type) <MUNSELL 5Y 8/1>	
External dimension H X W X D		mm		1,710(1,650 without legs) X 920 X 760	
Net weight		kg(lbs)		235 (518)	
Heat exchanger		Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube	
Compressor		Inverter scroll hermetic compressor		Inverter scroll hermetic compressor	
FAN	Starting method	Inverter		Inverter	
	Motor output	kW		5.4	
Air flow rate	#1	m³/min		185	
	#1	L/s		3,083	
Type X Quantity	#1	Propeller fan X 1		Propeller fan X 1	
	#1	kW		0.92	
High pressure protection		High pressure sensor, High pressure switch 4.15 MPa (601 psi)		High pressure sensor, High pressure switch 4.15 MPa (601 psi)	
Protection		Inverter circuit (COMP./FAN) Compressor		Inverter circuit (COMP./FAN) Compressor	
Defrosting method		Over-heat protection, Over-current protection		Over-heat protection, Over-current protection	
Refrigerant		Auto-defrost mode (Reversed refrigerant circle)		Auto-defrost mode (Reversed refrigerant circle)	
Pipe between unit distributor		Type X Original charge		R410A X 10.5kg (26 lbs)	
High pressure		mm(in.)		ø15.88 (ø5/8) Braided	
Low pressure		mm(in.)		ø19.05 (ø3/4) Braided	
Optional parts		Outdoor Twinning kit : CMY-R100VBK		Outdoor Twinning kit : CMY-R100VBK	
		Main BC controller : CMB-P108, 1010, 1013, 1016V-GA		Main BC controller : CMB-P108, 1010, 1013, 1016V-GA	
		Sub BC controller : CMB-P104, 108V-GB, CMB-P1016V-HB		Sub BC controller : CMB-P104, 108V-GB, CMB-P1016V-HB	

Note:

- #1 Nominal cooling conditions
Indoor 27°C (81°F) DB/19°C (66°F) WB, Outdoor 35°C (95°F) DB
Pipe length 7.5 m (24-9/16 ft), Level difference 0 m (0 ft)
- #2 Nominal heating conditions
Indoor 20°C (68°F) DB, Outdoor 7°C (45°F) DB/6°C (43°F) WB
Pipe length 7.5 m (24-9/16 ft), Level difference 0 m (0 ft)
- #3 -5°C (23°F) DB/-6°C (21°F) WB-21°C (70°F) DB/15.5°C (60°F) WB with cooling/heating mixed operation.

Outdoor unit

OUTDOOR UNIT

R2 Series - High COP

PURY-EP YSHM-A(-BS)



► Specifications

Set name		PURY-EP550YSHM-A1(-BS)		PURY-EP600YSHM-A(-BS)	
Power source		#1 kW		3-phase 4-wire 380-400-415V 50/60Hz	
Cooling capacity (Nominal)	#1	63.0		69.0	
	#1	215.000		235.400	
Power input	#1	15.47		17.00	
	#1	26.1-24.8-23.9		28.6-27.2-26.2	
Current input		A		A	
COP (kW/kW)		4.07		4.05	
Temp. #3 range of cooling	Indoor	W.B.		15 ~ 24°C (59 ~ 75°F)	
	Outdoor	D.B.		- 5 ~ 43°C (23 ~ 109°F)	
Heating capacity (Nominal)	#2	69.0		76.5	
	#2	235.400		261.000	
Power input	#2	16.95		19.12	
	#2	28.6-27.1-26.2		32.2-30.6-29.5	
Current input		A		A	
COP (kW/kW)		4.07		4.00	
Temp. #3 range of heating	Indoor temp.	D.B.		15 ~ 27°C (59 ~ 81°F)	
	Outdoor temp.	W.B.		-20 ~ 15.5°C (-4 ~ 60°F)	
Indoor unit connectable		Total capacity		50 ~ 150% of outdoor unit capacity	
Sound pressure level (measured in anechoic room)		Model/Quantity		P15 ~ P250 / 2 ~ 50 (Connectable branch pipe number is max. 48.)	
Diameter of refrigerant pipe		P15 ~ P250 / 2 ~ 50 (Connectable branch pipe number is max. 48.)		P15 ~ P250 / 2 ~ 50 (Connectable branch pipe number is max. 48.)	
Model		P15 ~ P250 / 2 ~ 50 (Connectable branch pipe number is max. 48.)		P15 ~ P250 / 2 ~ 50 (Connectable branch pipe number is max. 48.)	
External finish		Pre-coated galvanized steel sheets (+ powder coating for BS type) <MUNSELL 5Y 8/1>		Pre-coated galvanized steel sheets (+ powder coating for BS type) <MUNSELL 5Y 8/1>	
External dimension H X W X D		mm		1,710(1,650 without legs) X 1,220 X 760	
Net weight		kg(lbs)		265 (584)	
Heat exchanger		Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube	
Compressor		Inverter scroll hermetic compressor		Inverter scroll hermetic compressor	
FAN	Starting method	Inverter		Inverter	
	Motor output	kW		6.7	
Air flow rate	#1	m³/min		225	
	#1	L/s		3,750	
Type X Quantity	#1	Propeller fan X 1		Propeller fan X 1	
	#1	kW		0.92	
High pressure protection		High pressure sensor, High pressure switch 4.15 MPa (601 psi)		High pressure sensor, High pressure switch 4.15 MPa (601 psi)	
Protection		Inverter circuit (COMP./FAN) Compressor		Inverter circuit (COMP./FAN) Compressor	
Defrosting method		Over-heat protection, Over-current protection		Over-heat protection, Over-current protection	
Refrigerant		Auto-defrost mode (Reversed refrigerant circle)		Auto-defrost mode (Reversed refrigerant circle)	
Pipe between unit distributor		Type X Original charge		R410A X 11.8kg (26 lbs)	
High pressure		mm(in.)		ø19.05 (ø3/4) Braided	
Low pressure		mm(in.)		ø22.2 (ø7/8) Braided	
Optional parts		Outdoor Twinning kit : CMY-R100VBK		Outdoor Twinning kit : CMY-R100VBK	
		Main BC controller : CMB-P108, 1010, 1013, 1016V-GA		Main BC controller : CMB-P108, 1010, 1013, 1016V-GA	
		Sub BC controller : CMB-P104, 108V-GB, CMB-P1016V-HB		Sub BC controller : CMB-P104, 108V-GB, CMB-P1016V-HB	

Note:

- #1 Nominal cooling conditions
Indoor 27°C (81°F) DB/19°C (66°F) WB, Outdoor 35°C (95°F) DB
Pipe length 7.5 m (24-9/16 ft), Level difference 0 m (0 ft)
- #2 Nominal heating conditions
Indoor 20°C (68°F) DB, Outdoor 7°C (45°F) DB/6°C (43°F) WB
Pipe length 7.5 m (24-9/16 ft), Level difference 0 m (0 ft)
- #3 -5°C (23°F) DB/-6°C (21°F) WB-21°C (70°F) DB/15.5°C (60°F) WB with cooling/heating mixed operation.

Outdoor Unit