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
Temp. range of cooling ※3	Indoor		W.B.	15 ~ 24˚C (59 ~ 75˚F)		
	Outdoor		D.B.	- 5 ~ 43˚C (23 ~ 109˚F)		
Heating capacity (Nominal)	※2		kW	25.0	31.5	37.5
	※2		BTU/h	85,300	107,500	128,000
	Power input		kW	5.81	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
Temp. range of heating ※3	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		
	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		
	Starting method			Inverter		
	Motor output		kW	5.4	6.7	8.0
FAN	Air flow rate		m^3/min	185	225	225
			L/s	3,083	3,750	3,750
			cfm	6,532	7,945	7,945
	Type X Quantity			Propeller fan X 1	Propeller fan X 1	Propeller fan X 1
	Motor output		kW	0.92	0.92	0.92
Protection	High pressure protection			High pressure sensor, High pressure switch 4.15 MPa (601 psi)		
	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	
Temp. range of cooling ※3	Indoor		W.B.	15 ~ 24˚C (59 ~ 75˚F)	
	Outdoor		D.B.	- 5 ~ 43˚C (23 ~ 109˚F)	
Heating capacity (Nominal)	※2		kW	50.0	
	※2		BTU/h	170,600	
	Power input		kW	11.73	
	Current input		A	19.8-18.8-18.1	
	COP (kW/kW)			4.26	
Temp. range of heating ※3	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	
	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)	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	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
Net weight			kg(lbs)	235 (518)	235 (518)
Heat exchanger				Salt-resistant cross fin & copper tube	
Compressor	Type			Inverter scroll hermetic compressor	
	Starting method			Inverter	
	Motor output		kW	5.4	5.4
FAN	Air flow rate		m^3/min	185	185
			L/s	3,083	3,083
			cfm	6,532	6,532
	Type X Quantity			Propeller fan X 1	Propeller fan X 1
	Motor output		kW	0.92	0.92
Protection	High pressure protection			High pressure sensor, High pressure switch 4.15 MPa (601 psi)	
	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 10.5kg (24 lbs)
Pipe between unit distributor	High pressure		mm(in.)	ø15.88 (ø5/8) Brazed	
	Low pressure		mm(in.)	ø19.05 (ø3/4) Brazed	
Optional parts				Outdoor Twinning kit : CMY-R100VBK joint : CMY-Y102S-G2, CMY-Y102L-G2, CMY-Y202-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
R2 Series - High COP
PURY-EP YSHM-A(-BS)



▸Specifications

Set name			PURY-EP450YSHM-A1(-BS)		PURY-EP500YSHM-A(-BS)	
Power source			3-phase 4-wire 380-400-415V 50/60Hz			
Cooling capacity (Nominal)	※1	kW	50.0		56.0	
	※1	BTU/h	170,600		191,100	
	Power input	kW	12.07		13.70	
	Current input	A	20.3-19.3-18.6		23.1-21.9-21.1	
	COP (kW/kW)		4.14		4.08	
Temp. range of cooling	※3 Indoor	W.B.	15 ~ 24˚C (59 ~ 75˚F)			
	Outdoor	D.B.	- 5 ~ 43˚C (23 ~ 109˚F)			
Heating capacity (Nominal)	※2	kW	56.0		63.0	
	※2	BTU/h	191,100		215,000	
	Power input	kW	13.23		15.33	
	Current input	A	22.3-21.2-20.4		25.8-24.5-23.6	
	COP (kW/kW)		4.23		4.10	
Temp. range of heating	※3 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			
	Model/Quantity		P15 ~ P250 / 1 ~ 45		P15 ~ P250 / 1 ~ 50 (Connectable branch pipe number is max. 48.)	
Sound pressure level (measured in anechoic room)		dB<A>	62		62	
Diameter of refrigerant pipe	High pressure	mm(in.)	ø22.2 (ø7/8) Brazed		ø22.2 (ø7/8) Brazed	
	Low pressure	mm(in.)	ø28.58 (ø1-1/8) Brazed		ø28.58 (ø1-1/8) Brazed	
Model			PURY-EP200YHM-A(-BS)	PURY-EP250YHM-A(-BS)	PURY-EP200YHM-A(-BS)	PURY-EP300YHM-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	1,710(1,650 without legs) X 1,220 X 760	1,710(1,650 without legs) X 920 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 36-1/4 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)	235 (518)	265 (584)
Heat exchanger			Salt-resistant cross fin & copper tube			
Compressor	Type		Inverter scroll hermetic compressor			
	Starting method		Inverter			
	Motor output	kW	5.4	6.7	5.4	8.0
FAN	Air flow rate	m^3/min	185	225	185	225
		L/s	3,083	3,750	3,083	3,750
		cfm	6,532	7,945	6,532	7,945
	Type X Quantity		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	0.92
Protection	High pressure protection		High pressure sensor, High pressure switch 4.15 MPa (601 psi)			
	Inverter circuit (COMP./FAN)		Over-heat protection, Over-current protection			
	Compressor		Over-heat protection			
Defrosting method			-		Auto-defrost mode (Reversed refrigerant circle)	
Refrigerant	Type X Original charge		R410A X 10.5kg (24 lbs)	R410A X 11.8kg (26 lbs)	R410A X 10.5kg (24 lbs)	R410A X 11.8kg (26 lbs)
Pipe between unit distributor	High pressure	mm(in.)	ø15.88 (ø5/8) Brazed	ø19.05 (ø3/4) Brazed	ø15.88 (ø5/8) Brazed	
	Low pressure	mm(in.)	ø19.05 (ø3/4) Brazed	ø22.2 (ø7/8) Brazed	ø19.05 (ø3/4) Brazed	
Optional parts			Outdoor Twinning kit : CMY-R100VBK joint : CMY-Y102S-G2, CMY-Y102L-G2, CMY-Y202-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
R2 Series - High COP
PURY-EP YSHM-A(-BS)



▸Specifications

Set name			PURY-EP550YSHM-A1(-BS)		PURY-EP600YSHM-A(-BS)	
Power source			3-phase 4-wire 380-400-415V 50/60Hz			
Cooling capacity (Nominal)	※1	kW	63.0		69.0	
	※1	BTU/h	215,000		235,400	
	Power input	kW	15.47		17.00	
	Current input	A	26.1-24.8-23.9		28.6-27.2-26.2	
	COP (kW/kW)		4.07		4.05	
Temp. range of cooling	※3 Indoor	W.B.	15 ~ 24˚C (59 ~ 75˚F)			
	Outdoor	D.B.	- 5 ~ 43˚C (23 ~ 109˚F)			
Heating capacity (Nominal)	※2	kW	69.0		76.5	
	※2	BTU/h	235,400		261,000	
	Power input	kW	16.95		19.12	
	Current input	A	28.6-27.1-26.2		32.2-30.6-29.5	
	COP (kW/kW)		4.07		4.00	
Temp. range of heating	※3 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			
	Model/Quantity		P15 ~ P250 / 2 ~ 50 (Connectable branch pipe number is max. 48.)		P15 ~ P250 / 2 ~ 50 (Connectable branch pipe number is max. 48.)	
Sound pressure level (measured in anechoic room)		dB<A>	63		63	
Diameter of refrigerant pipe	High pressure	mm(in.)	ø28.58 (ø1-1/8) Brazed		ø28.58 (ø1-1/8) Brazed	
	Low pressure	mm(in.)	ø28.58 (ø1-1/8) Brazed		ø28.58 (ø1-1/8) Brazed	
Model			PURY-EP250YHM-A(-BS)	PURY-EP300YHM-A(-BS)	PURY-EP300YHM-A(-BS)	PURY-EP300YHM-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 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	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	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)	265 (584)	265 (584)	265 (584)	265 (584)
Heat exchanger			Salt-resistant cross fin & copper tube			
Compressor	Type		Inverter scroll hermetic compressor			
	Starting method		Inverter			
	Motor output	kW	6.7	8.0	8.0	8.0
FAN	Air flow rate	m^3/min	225	225	225	225
		L/s	3,750	3,750	3,750	3,750
		cfm	7,945	7,945	7,945	7,945
	Type X Quantity		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	0.92
Protection	High pressure protection		High pressure sensor, High pressure switch 4.15 MPa (601 psi)			
	Inverter circuit (COMP./FAN)		Over-heat protection, Over-current protection			
	Compressor		Over-heat protection			
Defrosting method			Auto-defrost mode (Reversed refrigerant circle)			
Refrigerant	Type X Original charge		R410A X 11.8kg (26 lbs)	R410A X 11.8kg (26 lbs)	R410A X 11.8kg (26 lbs)	R410A X 11.8kg (26 lbs)
Pipe between unit distributor	High pressure	mm(in.)	ø19.05 (ø3/4) Brazed			
	Low pressure	mm(in.)	ø22.2 (ø7/8) Brazed			
Optional parts			Outdoor Twinning kit : CMY-R100VBK joint : CMY-Y102S-G2, CMY-Y102L-G2, CMY-Y202-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.