

# 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	4.32	3.97	3.86	
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	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	4.39	4.30	4.27	
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 / 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 <sup>3</sup> /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	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 <sub>2</sub> O)	0 Pa (0 mmH <sub>2</sub> O)	0 Pa (0 mmH <sub>2</sub> 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	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>	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	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	Salt-resistant cross fin & copper tube	Salt-resistant cross fin & copper tube	
Optional parts		Joint: CMY-Y102SS-G2, CMY-Y102LS-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-Y102SS-G2, CMY-Y102LS-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-Y102SS-G2, CMY-Y102LS-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	

#### 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 / 3.1mmH<sub>2</sub>O, 6.1mmH<sub>2</sub>O).

\*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) 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	m³/min	225	225	360			
		L/s	3,750	3,750	6,000			
		cfm	7,945	7,945	12,712			
	Driving mechanism	Inverter-control, Direct-driven by motor						
	Motor output kW	0.92 x 1						
	*4 External static press.	0 Pa (0 mmH₂O)						
	Compressor	Type x Quantity	Inverter scroll hermetic compressor					
		Starting method	Inverter					
		Motor output kW	9.9					
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>							
	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)						
Protection devices	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)	270(596)	320(706)				
Heat exchanger	Salt-resistant cross fin & copper tube							
Optional parts	Joint: CMY-Y102SS-G2, CMY-Y102LS-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-Y102SS-G2, CMY-Y102LS-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-Y102SS-G2, CMY-Y102LS-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-Y102SS-G2, CMY-Y102LS-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

## 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			
		Air flow rate	m³/min	185	185	185	185		
			L/s	3,083	3,083	3,083	3,083		
			cfm	6,532	6,532	6,532	6,532		
		Driving mechanism	Inverter-control, Direct-driven by motor						
		Motor output kW	0.92 x 1						
		*4 External static press.	0 Pa (0 mmH₂O)						
		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>								
	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)							
Protection devices	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)	240(530)	240(530)	240(530)	240(530)			
Heat exchanger	Salt-resistant cross fin & copper tube								
Optional parts	Joint: CMY-Y102SS-G2, CMY-Y102LS-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-Y102SS-G2, CMY-Y102LS-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-Y102SS-G2, CMY-Y102LS-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-Y102SS-G2, CMY-Y102LS-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 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	3-phase 4-wire 380-400-415V 50/60Hz	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	3.42	3.21	3.18
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	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	4.04	3.95	3.84
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 / 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-P350YJM-A(-BS)	PURY-P400YJM-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	Propeller fan x 1	Propeller fan x 1	
	Air flow rate	m³/min	225	225	225	225	225	225
		L/s	3,750	3,750	3,750	3,750	3,750	3,750
		cfm	7,945	7,945	7,945	7,945	7,945	7,945
	Driving mechanism	Inverter-control, Direct-driven by motor						
	Motor output	kW 0.92 x 1						
	*4 External static press.	0 Pa (0 mmH₂O)						
Compressor	Type x Quantity	Inverter scroll hermetic compressor						
	Starting method	Inverter						
	Motor output	kW 9.9						
	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	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	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)	R410A x 11.8kg (27lbs)	R410A x 11.8kg (27lbs)	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)	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						
	Low pressure	mm (in.) 28.58(1-1/8) Brazed						
Optional parts	Outdoor Twinning kit: CMY-R200VBK Joint: CMY-Y102SS-G2, CMY-Y102LS-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	3-phase 4-wire 380-400-415V 50/60Hz	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	3.38	3.28	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	108.0	108.0	113.0
	*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	3.88	3.80	3.76
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 / 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)	PURY-P450YJM-A(-BS)	PURY-P450YJM-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	Propeller fan x 2	Propeller fan x 2	
	Air flow rate	m³/min	225	360	225	360	360	360
		L/s	3,750	6,000	3,750	6,000	6,000	6,000
		cfm	7,945	12,712	7,945	12,712	12,712	12,712
	Driving mechanism	Inverter-control, Direct-driven by motor						
	Motor output	kW 0.92 x 1						
	*4 External static press.	0 Pa (0 mmH₂O)						
Compressor	Type x Quantity	Inverter scroll hermetic compressor						
	Starting method	Inverter						
	Motor output	kW 9.9						
	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 1,750 x 760	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	1,710(1,650 without legs) x 1,750 x 760	
	in.	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	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	67-3/8(65 without legs) x 68-15/16 x 29-15/16	67-3/8(65 without legs) x 68-15/16 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)	R410A x 11.8kg (27lbs)	R410A x 11.8kg (27lbs)	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)	320(706)	320(706)	320(706)	
Heat exchanger	Salt-resistant cross fin & copper tube							
Pipe between unit and distributor	High pressure	mm (in.) 19.05(3/4) Brazed						
	Low pressure	mm (in.) 28.58(1-1/8) Brazed						
Optional parts	Outdoor Twinning kit: CMY-R100XLVBK Joint: CMY-Y102SS-G2, CMY-Y102LS-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.)
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Outdoor Unit