

Wide selection of outdoor units

Heat Recovery Series - High COP

R2 Series - High COP (8HP-14HP) Page129

PURY-EP YJM-A(-BS)

Model	8HP	10HP	12HP	14HP
Model Name	PURY-EP200YJM-A(-BS)	PURY-EP250YJM-A(-BS)	PURY-EP300YJM-A(-BS)	PURY-EP350YJM-A(-BS)

R2 Series - High COP (16HP-20HP) Page130

PURY-EP YSJM-A(-BS)

Model	16HP	18HP	20HP
Model Name	PURY-EP400YSJM-A(-BS)	PURY-EP450YSJM-A(-BS)	PURY-EP500YSJM-A(-BS)

R2 Series - High COP (20HP-24HP) Page131

PURY-EP YSJM-A(-BS)
PURY-EP YSJM-A1(-BS)

Model	20HP	22HP	24HP
Model Name	PURY-EP500YSJM-A1(-BS)	PURY-EP550YSJM-A(-BS)	PURY-EP600YSJM-A(-BS)

R2 Series - High COP (24HP-28HP) Page132

PURY-EP YSJM-A(-BS)
PURY-EP YSJM-A1(-BS)

Model	24HP	26HP	28HP
Model Name	PURY-EP600YSJM-A1(-BS)	PURY-EP650YSJM-A(-BS)	PURY-EP700YSJM-A(-BS)

Water Cooled Heat Recovery Series

WR2 (Heat Recovery) Series (8HP-24HP) Page133-135

PQRY-P YHM-A
PQRY-P YSHM-A

Model	8HP	10HP	12HP	16HP
Model Name	PQRY-P200YHM-A	PQRY-P250YHM-A	PQRY-P300YHM-A	PQRY-P400YSHM-A
Model	18HP	20HP	22HP	24HP
Model Name	PQRY-P450YSHM-A	PQRY-P500YSHM-A	PQRY-P550YSHM-A	PQRY-P600YSHM-A

* The PURY-EP-YSJM-A(1) and PQRY-P-YSHM-A series requires a Twinning kit (optional). Refer to the data book for details.
* Unit photos are all standard models.

OUTDOOR UNIT S Series PUMY-P VHMB(-BS)



► Specifications

		PUMY-P100VHMB(-BS)	PUMY-P125VHMB(-BS)	PUMY-P140VHMB(-BS)	
Power source		1-phase 220-230-240V 50Hz, 1-phase 220V 60Hz			
Cooling capacity (Nominal)	*1 kW	11.2	14.0	15.5	
	*1 BTU/h	38,200	47,800	52,900	
	Power input kW	3.34	4.32	5.35	
	Current input A	15.4-14.8-14.1, 15.4	20.0-19.1-18.3, 20.0	24.7-23.6-22.7, 24.7	
COP (kW/kW)	3.35	3.24	2.9		
Temp. range of cooling	Indoor	W.B.	15 ~ 24°C (59 ~ 75°F)		
	Outdoor	D.B.	- 5 ~ 46°C (23 ~ 115°F)		
10 to 46°C D.B. (50 to 115°F D.B.) : in case of connecting PKFY-P15 / P20 / P25 type indoor unit.					
Heating capacity (Nominal)	*2 kW	12.5	16.0	18.0	
	*2 BTU/h	42,700	54,600	61,400	
	Power input kW	3.66	4.33	5.58	
	Current input A	16.9-16.2-15.5, 16.9	20.0-19.1-18.3, 20.0	25.8-24.7-23.6, 25.8	
COP (kW/kW)	3.42	3.69	3.23		
Temp. range of heating	Indoor temp.	D.B.	15 ~ 27°C (59 ~ 81°F)		
	Outdoor temp.	W.B.	-15 ~ 15°C (5 ~ 59°F)		
Indoor unit connectable	Total capacity	50 ~ 130% of outdoor unit capacity			
	Model/Quantity	P15 ~ P125 / 1 ~ 8	P15 ~ P140 / 1 ~ 10	P15 ~ P140 / 1 ~ 12	
Sound pressure level (measured in anechoic room)	dB<A>	49 / 51	50 / 52	51 / 53	
Diameter of refrigerant pipe	Liquid (High press.) mm(in.)	ø9.52 (ø3/8)	ø9.52 (ø3/8)	ø9.52 (ø3/8)	
	Gas (Low press.) mm(in.)	ø15.88 (ø5/8)	ø15.88 (ø5/8)	ø15.88 (ø5/8)	
External finish		Galvanized steel sheet <MUNSELL 3Y 7.8/1.1>			
External dimension H x W x D	mm (in.)	1,350 x 950 x 330 (53-3/16 x 37-7/16 x 13)	1,350 x 950 x 330 (53-3/16 x 37-7/16 x 13)	1,350 x 950 x 330 (53-3/16 x 37-7/16 x 13)	
Net weight	kg (lbs)	129 (284)	129 (284)	129 (284)	
Heat exchanger		Salt-resistant cross fin & copper tube			
Compressor	Type	Inverter scroll hermetic comp.			
	Starting method	Inverter			
FAN	Motor output kW	2.2	2.9	3.3	
	Air flow rate	m³/min	100	100	100
		L/s	1,667	1,667	1,667
	cfm	3,532	3,532	3,532	
Type x Quantity	Propeller fan x 2				
Motor output	kW	0.06 x 2	0.06 x 2	0.06 x 2	
Protection	High pressure protection	High pressure sensor, High pressure switch 4.15 MPa			
	Inverter circuit (COMP./FAN)	Over-heat protection, Over-current protection			
	Compressor	Discharge thermo protection, Over-current protection			
Refrigerant	Type x Original charge	R410A x 8.5kg (19 lbs)	R410A x 8.5kg (19 lbs)	R410A x 8.5kg (19 lbs)	

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.)

*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 S Series PUMY-P YHMB(-BS)



► Specifications

		PUMY-P100YHMB(-BS)	PUMY-P125YHMB(-BS)	PUMY-P140YHMB(-BS)
Power source		3-phase, 380-400-415V, 50Hz		
Cooling capacity (Nominal)	*1 kW	11.2	14.0	15.5
	*1 BTU/h	38,200	47,800	52,900
	Power input kW	3.30	4.27	5.32
	Current input A	5.28-5.02-4.84	6.83-6.49-6.26	8.51-8.09-7.80
COP (kW/kW)		3.39	3.28	2.91
Temp. range of cooling	Indoor W.B.	15 ~ 24°C (59~75°F)		
	Outdoor D.B.	- 5 ~ 46°C (23~115°F) 10 to 46°C D.B.(50 to 115°F D.B.) : in case of connecting PKFY-P15/P20/P25 type indoor unit.		
Heating capacity (Nominal)	*2 kW	12.5	16.0	18.0
	*2 BTU/h	42,700	54,600	61,400
	Power input kW	3.63	4.29	5.32
	Current input A	5.81-5.52-5.32	6.87-6.52-6.29	8.51-8.09-7.80
COP (kW/kW)		3.44	3.73	3.38
Temp. range of heating	Indoor temp. D.B.	15~27°C (59~81°F)		
	Outdoor temp. W.B.	-15~15°C (5~59°F)		
Indoor unit connectable	Total capacity	50 ~ 130% of outdoor unit capacity		
	Model/Quantity	P15 ~ P125 / 1 ~ 8	P15 ~ P140 / 1 ~ 10	P15 ~ P140 / 1 ~ 12
Sound pressure level (measured in anechoic room)	dB<A>	49/51	50/52	51/53
Diameter of refrigerant pipe	Liquid mm(in.)	ø9.52 (ø3/8) Flare		
	Gas mm(in.)	ø15.88 (ø5/8) Flare		
External finish Galvanized steel sheet<MUNSELL 3Y 7.8/1.1>				
External dimension H x W x D	mm (in.)	1,350 x 950 x 330 (53-3/16 x 37-7/16 x 13)		
Net weight	kg (lbs)	142 (312)		
Heat exchanger Salt-resistant cross fin & copper tube Inverter scroll hermetic compressor				
Compressor	Type	Mitsubishi Electric Corporation		
	Starting method	Inverter		
	Motor output kW	1.9	2.4	2.9
	Case heater kW	-	-	-
Lubricant	FV508			
FAN	Air flow rate m³/min	100		
	External static press.	0 Pa		
	Type x Quantity	Propeller fan x 2		
	Control, Driving mechanism	DC-control, Direct-driven by motor		
Motor output kW	0.06 x 2			
HIC circuit (HIC: Heat Inter-Changer) -				
Protection	High pressure protection	High pressure sensor, High pressure switch 4.15 MPa		
	Inverter circuit (COMP./FAN)	Over-heat protection, Over-current protection		
	Compressor	Discharge thermo protection, Over-current protection		
Fan motor	Over-heat protection, Voltage protection			
Defrosting method Auto-defrost mode (Reversed refrigerant circle)				
Refrigerant	Type x Original charge	R410A x 8.5kg (19 lbs)		
	Control	LEV circuit		

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.)

*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 Y Series PUHY-P YJM-A(-BS)



► Specifications

Model		PUHY-P200YJM-A(-BS)	PUHY-P250YJM-A(-BS)	PUHY-P300YJM-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	5.62	7.40	9.00
	Current input A	9.4-9.0-8.6	12.4-11.8-11.4	15.1-14.4-13.9
COP		3.98	3.78	3.72
Temp. range of cooling	Indoor W.B.	15.0~24.0°C(59~75°F)		
	Outdoor D.B.	-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	5.84	7.34	9.25
	Current input A	9.8-9.3-9.0	12.3-11.7-11.3	15.6-14.8-14.2
COP		4.28	4.29	4.05
Temp. range of heating	Indoor D.B.	15.0~27.0°C(59~81°F)		
	Outdoor W.B.	-20.0~15.5°C(-4~60°F)		
Indoor unit connectable	Total capacity	50~130 % of outdoor unit capacity		
	Model / Quantity	P15~P250 / 1~17	P15~P250 / 1~21	P15~P250 / 1~26
Sound pressure level (measured in anechoic room)	dB <A>	56	58	59
Power pressure level (measured in anechoic room)	dB <A>	76	78	79
Refrigerant piping diameter	Liquid pipe mm (in.)	9.52(3/8) Braze	9.52(3/8) Braze (12.7(1/2) Braze, total length >= 90m)	9.52(3/8) Braze (12.7(1/2) Braze, total length >= 40m)
	Gas pipe mm (in.)	19.05(3/4) Braze	22.2(7/8) Braze	22.2(7/8) Braze
FAN	Type x Quantity	Propeller fan x 1		
	Air flow rate m³/min	170	170	170
	L/s	2,833	2,833	2,833
	cfm	6,003	6,003	6,003
	Driving mechanism	Inverter-control, Direct-driven by motor		
	Motor output kW	0.46 x 1	0.46 x 1	0.46 x 1
Compressor	*3 External static press.	0 Pa (0 mmH ₂ O)		
	Type x Quantity	Inverter scroll hermetic compressor		
	Starting method	Inverter		
	Motor output kW	5.4	6.8	7.7
Case heater kW	0.035	0.035	0.045	
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 6.5kg (15lbs)	R410A x 8.0kg (18lbs)	R410A x 8.0kg (18lbs)
Net weight	kg (lbs)	190(419)	200(441)	215(474)
Heat exchanger Salt-resistant cross fin & copper tube				
Optional parts Joint: CMY-Y102S/L-G Header: CMY-Y104/108/1010-G				

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

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

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