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°CD.B. (50 to 115°FD.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		
	Motor output	kW	2.2	2.9	3.3
FAN	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	Propeller fan x 2	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	27ºC DB/19ºC WB (81ºF DB/66ºF WB)	35ºC DB(95ºF DB)	7.5m (24-9/16ft.)	0m (0ft.)
Heating	20ºC DB(68ºF DB)	7ºC DB/6ºC WB(45ºF DB/43ºF 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°FD.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		
Compressor	Type			Inverter scroll hermetic compressor		
	Maker			Mitsubishi Electric Corporation		
	Starting method			Inverter		
	Motor output	kW		1.9	2.4	2.9
	Case heater	kW		-	-	-
	Lubricant			FV508		
FAN	Air flow rate	m^3/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	27ºC DB/19ºC WB (81ºF DB/66ºF WB)	35ºC DB(95ºF DB)	7.5m (24-9/16ft.)	0m (0ft.)
Heating	20ºC DB(68ºF DB)	7ºC DB/6ºC WB(45ºF DB/43ºF 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	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	5.62	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		kW / kW	3.98	3.78	3.72
Temp. range of cooling	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	5.84	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		kW / kW	4.28	4.29	4.05
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			50~130 % of outdoor unit capacity	50~130 % of outdoor unit 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) Brazed	9.52(3/8) Brazed (12.7(1/2) Brazed,total length >= 90m)	9.52(3/8) Brazed (12.7(1/2) Brazed,total length >= 40m)
	Gas pipe		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^3/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	Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor
	Motor output		kW	0.46 x 1	0.46 x 1	0.46 x 1
	*3 External static press.			0 Pa (0 mmH_2O)	0 Pa (0 mmH_2O)	0 Pa (0 mmH_2O)
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	7.7
	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>	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 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	Salt-resistant cross fin & copper tube	Salt-resistant cross fin & copper tube
Optional parts				Joint: CMY-Y102S-G2 Header: CMY-Y104/108/1010-G	Joint: CMY-Y102S/L-G2 Header: CMY-Y104/108/1010-G	Joint: CMY-Y102S/L-G2 Header: CMY-Y104/108/1010-G

Notes:

*1,*2 Nominal conditions

	Indoor	Outdoor	Pipe length	Level difference
Cooling	27ºC DB/19ºC WB (81ºF DB/66ºF WB)	35ºC DB(95ºF DB)	7.5m (24-9/16ft.)	0m (0ft.)
Heating	20ºC DB(68ºF DB)	7ºC DB/6ºC WB(45ºF DB/43ºF WB)	7.5m (24-9/16ft.)	0m (0ft.)

*3 External static pressure option is available (30Pa, 60Pa / 3.1mmH_2O, 6.1mmH_2O).
*Nominal condition *1,*2 are subject to JIS B8615-1.
*Due to continuing improvement, above specification may be subject to change without notice.