

OUTDOOR UNIT Y Series - High COP PUHY-EP YJM-A(-BS)



► Specifications

Model	PUHY-EP200YJM-A(-BS)	PUHY-EP250YJM-A(-BS)	PUHY-EP300YJM-A(-BS)	
Power source	3-phase 4-wire 380-400-415V 50/60Hz			
Cooling capacity (Nominal)	*1 kW	22.4	33.5	
	*1 BTU / h	76,400	114,300	
	Power input kW	5.09	8.03	
	Current input A	8.5-8.1-7.8	11.3-10.7-10.4	
Temp. range of cooling	Indoor W.B.	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)	
	COP	4.40	4.17	
Heating capacity (Nominal)	*2 kW	25.0	37.5	
	*2 BTU / h	85,300	128,000	
	Power input kW	5.54	8.37	
	Current input A	9.3-8.8-8.5	12.0-11.4-11.0	
Temp. range of heating	Indoor W.B.	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)	
	COP	4.51	4.48	
Indoor unit connectable	50-130 % of outdoor unit capacity			
Sound pressure level (measured in anechoic room)	dB <A>			
Power pressure level (measured in anechoic room)	dB <A>			
Refrigerant piping diameter	mm (in.)			
FAN	Type x Quantity	Propeller fan x 1	Propeller fan x 2	
	Air flow rate	m ³ /min	170	
	L/s	2,833	3,500	
	cfm	6,003	7,415	
Driving mechanism	Inverter-control, Direct-driven by motor			
Motor output	kW			
Compressor	Type x Quantity	Inverter scroll hermetic compressor	Inverter scroll hermetic compressor	
	Starting method	Inverter		
	External static press.	0 Pa (0 mmH ₂ O)		
External finish	Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>			
External dimension HxWxD	mm			
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			
Net weight	kg (lbs)			
Heat exchanger	Salt-resistant cross fin & copper tube			
Optional parts	Joint: CMY-Y102S-L-G2 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.

*Due to continuing improvement, above specification may be subject to change without notice.

Outdoor unit

OUTDOOR UNIT Y Series - High COP PUHY-EP YSJM-A (-BS)



► Specifications

Model	PUHY-EP400YSJM-A(-BS)	PUHY-EP450YSJM-A(-BS)	PUHY-EP500YSJM-A(-BS)	
Power source	3-phase 4-wire 380-400-415V 50/60Hz			
Cooling capacity (Nominal)	*1 kW	45.0	56.0	
	*1 BTU / h	153,500	191,100	
	Power input kW	10.34	13.30	
	Current input A	17.4-16.5-15.9	20.0-19.0-18.3	
Temp. range of cooling	Indoor W.B.	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)	
	COP	4.35	4.21	
Heating capacity (Nominal)	*2 kW	50.0	63.0	
	*2 BTU / h	170,600	215,000	
	Power input kW	11.41	12.90	
	Current input A	19.2-18.2-17.6	21.7-20.6-19.9	
Temp. range of heating	Indoor W.B.	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)	
	COP	4.38	4.41	
Indoor unit connectable	50-130 % of outdoor unit capacity			
Sound pressure level (measured in anechoic room)	dB <A>			
Power pressure level (measured in anechoic room)	dB <A>			
Refrigerant piping diameter	mm (in.)			
Set Model	Type x Quantity	Propeller fan x 1	Propeller fan x 2	
	Air flow rate	m ³ /min	170	
	L/s	2,833	3,500	
	cfm	6,003	7,415	
Driving mechanism	Inverter-control, Direct-driven by motor			
Motor output	kW			
Compressor	Type x Quantity	Inverter scroll hermetic compressor	Inverter scroll hermetic compressor	
	Starting method	Inverter		
	External static press.	0 Pa (0 mmH ₂ O)		
External finish	Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>			
External dimension HxWxD	mm			
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			
Net weight	kg (lbs)			
Heat exchanger	Salt-resistant cross fin & copper tube			
Optional parts	Joint: CMY-Y102S/L-G2, CMY-Y202-G2 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.

*Due to continuing improvement, above specification may be subject to change without notice.

Outdoor Unit

OUTDOOR UNIT Y Series - High COP PUHY-EP YSJM-A(1) (-BS)



► Specifications

Model	PUHY-EP500YSJM-A(-BS)	PUHY-EP550YSJM-A(-BS)	PUHY-EP600YSJM-A(-BS)
Power source	3-phase 4-wire 380-400-415V 50/60Hz		
Cooling capacity (Nominal)	*1 kW	56.0	63.0
	*1 BTU / h	191,100	215,000
	Power input kW	13.65	15.36
	Current input A	23.0-21.8-21.0	25.9-24.6-23.7
COP	kW / kW	4.10	4.10
	Indoor W.B.	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)
Heating capacity (Nominal)	*2 kW	63.0	69.0
	*2 BTU / h	215,000	235,400
	Power input kW	14.54	15.78
	Current input A	24.5-23.3-22.4	26.6-25.3-24.3
COP	kW / kW	4.33	4.37
	Indoor W.B.	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)
Temp. range of heating	Indoor	15.0-27.0°C(59-81°F)	15.0-27.0°C(59-81°F)
	Outdoor	-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
	Model / Quantity	P15-P250 / 1-43	P15-P250 / 1-47
Sound pressure level (measured in anechoic room)	dB <A>	63	63.5
	Power pressure level (measured in anechoic room)	dB <A>	83
Refrigerant piping diameter	Liquid pipe mm (in.)	15.88(5/8) Braze	15.88(5/8) Braze
	Gas pipe mm (in.)	28.58(1-1/8) Braze	28.58(1-1/8) Braze

Set Model	Model	PUHY-EP250YJM-A(-BS)	PUHY-EP250YJM-A(-BS)	PUHY-EP250YJM-A(-BS)	PUHY-EP300YJM-A(-BS)	PUHY-EP300YJM-A(-BS)	PUHY-EP300YJM-A(-BS)		
FAN	Type x Quantity	Propeller fan x 1		Propeller fan x 1	Propeller fan x 1	Propeller fan x 2	Propeller fan x 2		
	Air flow rate	m³/min	210	210	210	370	370	370	
		L/s	3,500	3,500	3,500	6,167	6,167	6,167	
		cfm	7,415	7,415	7,415	13,065	13,065	13,065	
	Driving mechanism	Inverter-control, Direct-driven by motor		Inverter-control, Direct-driven by motor		Inverter-control, Direct-driven by motor		Inverter-control, Direct-driven by motor	
	Motor output	0.46 x 1		0.46 x 1		0.46 x 2		0.46 x 2	
	*3 External static press.	0 Pa (0 mmH₂O)		0 Pa (0 mmH₂O)		0 Pa (0 mmH₂O)		0 Pa (0 mmH₂O)	
Compressor	Type x Quantity	Inverter scroll hermetic compressor		Inverter scroll hermetic compressor		Inverter scroll hermetic compressor			
	Starting method	Inverter		Inverter		Inverter			
	Motor output	6.8		6.8		7.7			
Case heater	0.045		0.045		0.045		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>		Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>		
	External dimension HxWxD	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		1,710(1,650 without legs) x 1,750 x 760	
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)		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		Over-heat protection, Over-current protection	
	Compressor	Over-heat protection		Over-heat protection		Over-heat protection		Over-heat protection	
	Fan motor	Thermal switch		Thermal switch		Thermal switch		Thermal switch	
Refrigerant	Type x original charge	R410A x 11.5kg (26lbs)	R410A x 11.5kg (26lbs)	R410A x 11.5kg (26lbs)	R410A x 11.8kg (27lbs)	R410A x 11.8kg (27lbs)	R410A x 11.8kg (27lbs)		
Net weight	kg (lbs)	250(552)	250(552)	250(552)	290(640)	290(640)	290(640)		
Heat exchanger	Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube		
	Pipe between unit and distributor	Liquid pipe mm (in.)	9.52(3/8) Braze	9.52(3/8) Braze	9.52(3/8) Braze	12.7(1/2) Braze	12.7(1/2) Braze		
Optional parts	Outdoor Twinning kit: CMY-Y100VBK2		Outdoor Twinning kit: CMY-Y100VBK2		Outdoor Twinning kit: CMY-Y100VBK2		Outdoor Twinning kit: CMY-Y100VBK2		
	Joint: CMY-Y102S/L-G2, CMY-Y202-G2		Joint: CMY-Y102S/L-G2, CMY-Y202-G2		Joint: CMY-Y102S/L-G2, CMY-Y202-G2		Joint: CMY-Y102S/L-G2, CMY-Y202-G2		
Header: CMY-Y104/108/1010-G		Header: CMY-Y104/108/1010-G		Header: CMY-Y104/108/1010-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.

*Due to continuing improvement, above specification may be subject to change without notice.

Outdoor unit

OUTDOOR UNIT Y Series - High COP PUHY-EP YSJM-A (-BS)



► Specifications

Model	PUHY-EP650YSJM-A(-BS)	PUHY-EP700YSJM-A(-BS)
Power source	3-phase 4-wire 380-400-415V 50/60Hz	
Cooling capacity (Nominal)	*1 kW	73.0
	*1 BTU / h	249,100
	Power input kW	17.46
	Current input A	29.4-28.0-26.9
COP	kW / kW	4.18
	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	81.5
	*2 BTU / h	278,100
	Power input kW	18.56
	Current input A	31.3-29.7-28.6
COP	kW / kW	4.39
	Indoor W.B.	15.0-27.0°C(59-81°F)
	Outdoor W.B.	-20.0-15.5°C(-4-60°F)
Temp. range of heating	Indoor	15.0-27.0°C(59-81°F)
	Outdoor	-20.0-15.5°C(-4-60°F)
Indoor unit connectable	Total capacity	50-130 % of outdoor unit capacity
	Model / Quantity	P15-P250 / 1-50
Sound pressure level (measured in anechoic room)	dB <A>	63
	Power pressure level (measured in anechoic room)	dB <A>
Refrigerant piping diameter	Liquid pipe mm (in.)	15.88 (5/8) Braze
	Gas pipe mm (in.)	28.58 (1-1/8) Braze

Set Model	Model	PUHY-EP200YJM-A(-BS)	PUHY-EP250YJM-A(-BS)	PUHY-EP250YJM-A(-BS)	PUHY-EP250YJM-A(-BS)	PUHY-EP300YJM-A(-BS)	PUHY-EP300YJM-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 2		
	Air flow rate	m³/min	170	170	210	170	170	370	
		L/s	2,833	2,833	3,500	2,833	2,833	6,167	
		cfm	6,003	6,003	7,415	6,003	6,003	13,065	
	Driving mechanism	Inverter-control, Direct-driven by motor		Inverter-control, Direct-driven by motor		Inverter-control, Direct-driven by motor		Inverter-control, Direct-driven by motor	
	Motor output	0.46 x 1		0.46 x 1		0.46 x 1		0.46 x 2	
	*3 External static press.	0 Pa (0 mmH₂O)		0 Pa (0 mmH₂O)		0 Pa (0 mmH₂O)		0 Pa (0 mmH₂O)	
Compressor	Type x Quantity	Inverter scroll hermetic compressor		Inverter scroll hermetic compressor		Inverter scroll hermetic compressor			
	Starting method	Inverter		Inverter		Inverter			
	Motor output	5.4		5.4		6.8			
Case heater	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>		Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>		
	External dimension HxWxD	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 1,220 x 760		1,710(1,650 without legs) x 1,750 x 760	
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 8.0kg (18lbs)	R410A x 8.0kg (18lbs)	R410A x 11.5kg (26lbs)	R410A x 8.0kg (18lbs)	R410A x 11.8kg (27lbs)	R410A x 11.8kg (27lbs)		
Net weight	kg (lbs)	200(441)	200(441)	250(552)	200(441)	200(441)	290(640)		
Heat exchanger	Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube		
	Pipe between unit and distributor	Liquid pipe mm (in.)	9.52(3/8) Braze	9.52(3/8) Braze	9.52(3/8) Braze	9.52(3/8) Braze	12.7(1/2) Braze		
Optional parts	Outdoor Twinning kit: CMY-Y300VBK2		Outdoor Twinning kit: CMY-Y300VBK2		Outdoor Twinning kit: CMY-Y300VBK2		Outdoor Twinning kit: CMY-Y300VBK2		
	Joint: CMY-Y102S/L-G2, CMY-Y202/302-G2		Joint: CMY-Y102S/L-G2, CMY-Y202/302-G2		Joint: CMY-Y102S/L-G2, CMY-Y202/302-G2		Joint: CMY-Y102S/L-G2, CMY-Y202/302-G2		
Header: CMY-Y104/108/1010-G		Header: CMY-Y104/108/1010-G		Header: CMY-Y104/108/1010-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.

*Due to continuing improvement, above specification may be subject to change without notice.

Outdoor Unit

OUTDOOR UNIT Y Series - High COP PUHY-EP YSJM-A(1) (-BS)



► Specifications

Model		PUHY-EP700YSJM-A1(-BS)			PUHY-EP750YSJM-A(-BS)			
Power source		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			
	*1 BTU / h	273,000			290,000			
	Power input kW	19.41			20.43			
	Current input A	32.7-31.1-30.0			34.4-32.7-31.5			
COP	kW / kW	4.12			4.16			
	Indoor W.B.	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)			
Heating capacity (Nominal)	*2 kW	88.0			95.0			
	*2 BTU / h	300,300			324,100			
	Power input kW	20.32			21.93			
	Current input A	34.3-32.5-31.4			37.0-35.1-33.8			
COP	kW / kW	4.33			4.33			
	Indoor W.B.	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)			
Temp. range of heating		15.0-27.0°C(59-81°F)			15.0-27.0°C(59-81°F)			
Indoor unit connectable	Total capacity	50~130 % of outdoor unit capacity			50~130 % of outdoor unit capacity			
	Model / Quantity	P15-P250 / 1-50			P15-P250 / 1-50			
Sound pressure level (measured in anechoic room)	dB <A>	64			64.5			
Power pressure level (measured in anechoic room)	dB <A>	84			84.5			
Refrigerant piping diameter	Liquid pipe mm (in.)	19.05(3/4) Brazed			19.05(3/4) Brazed			
	Gas pipe mm (in.)	34.93(1-3/8) Brazed			34.93(1-3/8) Brazed			
Set Model								
Model		PUHY-EP200YJM-A(-BS)	PUHY-EP250YJM-A(-BS)	PUHY-EP250YJM-A(-BS)	PUHY-EP200YJM-A(-BS)	PUHY-EP250YJM-A(-BS)	PUHY-EP300YJM-A(-BS)	
FAN	Type x Quantity	Propeller fan x 1		Propeller fan x 1	Propeller fan x 1		Propeller fan x 2	
	Air flow rate	m³/min	170	210	210	170	210	370
		L/s	2,833	3,500	3,500	2,833	3,500	6,167
		cfm	6,003	7,415	7,415	6,003	7,415	13,065
	Driving mechanism	Inverter-control, Direct-driven by motor		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	0.46 x 1	0.46 x 1	0.46 x 2	
*3 External static press.	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)		
Compressor	Type x Quantity	Inverter scroll hermetic compressor						
	Starting method	Inverter		Inverter	Inverter		Inverter	
	Motor output kW	5.4	6.8	6.8	5.4	6.8	7.7	
	Case heater kW	0.035	0.045	0.045	0.035	0.045	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>				
External dimension HxWxD	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	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 1,750 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	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 68-15/16 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		
Refrigerant	Type x original charge	R410A x 8.0kg (18lbs)	R410A x 11.5kg (26lbs)	R410A x 11.5kg (26lbs)	R410A x 8.0kg (18lbs)	R410A x 11.8kg (27lbs)		
	Net weight kg (lbs)	200(441)	250(552)	250(552)	200(441)	250(552)	290(640)	
	Heat exchanger	Salt-resistant cross fin & copper tube						
Pipe between unit and distributor	Liquid pipe mm (in.)	9.52(3/8) Brazed	9.52(3/8) Brazed	9.52(3/8) Brazed	9.52(3/8) Brazed	9.52(3/8) Brazed	12.7(1/2) Brazed	
	Gas pipe mm (in.)	19.05(3/4) Brazed	22.2 (7/8) Brazed	22.2(7/8) Brazed	19.05(3/4) Brazed	22.2(7/8) Brazed	22.2(7/8) Brazed	
Optional parts		Outdoor Twinning kit: CMY-Y300VBK2 Joint: CMY-Y102S/L-G2, CMY-Y202/302-G2 Header: CMY-Y104/108/1010-G		Outdoor Twinning kit: CMY-Y300VBK2 Joint: CMY-Y102S/L-G2, CMY-Y202/302-G2 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.

*Due to continuing improvement, above specification may be subject to change without notice.

OUTDOOR UNIT Y Series - High COP PUHY-EP YSJM-A(1) (-BS)



► Specifications

Model		PUHY-EP750YSJM-A1(-BS)			PUHY-EP800YSJM-A(-BS)		
Power source		3-phase 4-wire 380-400-415V 50/60Hz			3-phase 4-wire 380-400-415V 50/60Hz		
Cooling capacity (Nominal)	*1 kW	85.0			90.0		
	*1 BTU / h	290,000			307,100		
	Power input kW	20.93			21.63		
	Current input A	35.3-33.5-32.3			36.5-34.6-33.4		
COP	kW / kW	4.06			4.16		
	Indoor W.B.	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)		
Temp. range of cooling		15.0-24.0°C(59-75°F)			15.0-24.0°C(59-75°F)		
Heating capacity (Nominal)	*2 kW	95.0			100.0		
	*2 BTU / h	324,100			341,200		
	Power input kW	21.78			22.77		
	Current input A	36.7-34.9-33.6			38.4-36.5-35.1		
COP	kW / kW	4.36			4.39		
	Indoor W.B.	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)		
Temp. range of heating		15.0-27.0°C(59-81°F)			15.0-27.0°C(59-81°F)		
Indoor unit connectable	Total capacity	50~130 % of outdoor unit capacity			50~130 % of outdoor unit capacity		
	Model / Quantity	P15-P250 / 1-50			P15-P250 / 1-50		
Sound pressure level (measured in anechoic room)	dB <A>	65			65		
Power pressure level (measured in anechoic room)	dB <A>	85			85		
Refrigerant piping diameter	Liquid pipe mm (in.)	19.05(3/4) Brazed			19.05(3/4) Brazed		
	Gas pipe mm (in.)	34.93(1-3/8) Brazed			34.93(1-3/8) Brazed		
Set Model							
Model		PUHY-EP250YJM-A(-BS)	PUHY-EP250YJM-A(-BS)	PUHY-EP250YJM-A(-BS)	PUHY-EP200YJM-A(-BS)	PUHY-EP300YJM-A(-BS)	PUHY-EP300YJM-A(-BS)
FAN	Type x Quantity	Propeller fan x 1		Propeller fan x 1	Propeller fan x 1		Propeller fan x 2
	Air flow rate	m³/min	210	210	210	170	370
		L/s	3,500	3,500	3,500	2,833	6,167
		cfm	7,415	7,415	7,415	6,003	13,065
	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	0.46 x 1	0.46 x 2	
*3 External static press.	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	
Compressor	Type x Quantity	Inverter scroll hermetic compressor					
	Starting method	Inverter		Inverter	Inverter		Inverter
	Motor output kW	6.8	6.8	6.8	5.4	7.7	
	Case heater kW	0.045	0.045	0.045	0.035	0.045	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>			
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 920 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 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 36-1/4 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)		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	
Refrigerant	Type x original charge	R410A x 11.5kg (26lbs)	R410A x 11.5kg (26lbs)	R410A x 11.5kg (26lbs)	R410A x 8.0kg (18lbs)	R410A x 11.8kg (27lbs)	
	Net weight kg (lbs)	250(552)	250(552)	250(552)	200(441)	290(640)	
	Heat exchanger	Salt-resistant cross fin & copper tube					
Pipe between unit and distributor	Liquid pipe mm (in.)	9.52(3/8) Brazed	9.52(3/8) Brazed	9.52(3/8) Brazed	9.52(3/8) Brazed	12.7(1/2) Brazed	
	Gas pipe mm (in.)	22.2(7/8) Brazed	22.2(7/8) Brazed	22.2(7/8) Brazed	19.05(3/4) Brazed	22.2(7/8) Brazed	
Optional parts		Outdoor Twinning kit: CMY-Y300VBK2 Joint: CMY-Y102S/L-G2, CMY-Y202/302-G2 Header: CMY-Y104/108/1010-G		Outdoor Twinning kit: CMY-Y300VBK2 Joint: CMY-Y102S/L-G2, CMY-Y202/302-G2 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.

*Due to continuing improvement, above specification may be subject to change without notice.

OUTDOOR UNIT Y Series - High COP PUHY-EP YSJM-A(1) (-BS)



► Specifications

Model	PUHY-EP800YSJM-A1(-BS)			PUHY-EP850YSJM-A(-BS)				
Power source	3-phase 4-wire 380-400-415V 50/60Hz							
Cooling capacity (Nominal)	*1 kW	90.0			96.0			
	*1 BTU/h	307,100			327,600			
	Power input kW	22.16			23.58			
	Current input A	37.4-35.5-34.2			39.8-37.8-36.4			
COP	kW / kW	4.06			4.07			
	Indoor W.B.	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)			
Heating capacity (Nominal)	*2 kW	100.0			108.0			
	*2 BTU/h	341,200			368,500			
	Power input kW	22.98			24.65			
	Current input A	38.7-36.8-35.5			41.6-39.5-38.1			
COP	kW / kW	4.35			4.38			
	Indoor W.B.	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)			
Indoor unit connectable	Total capacity	50~130 % of outdoor unit capacity			50~130 % of outdoor unit capacity			
	Model / Quantity	P15~P250 / 1~50			P15~P250 / 1~50			
Sound pressure level (measured in anechoic room)	dB <A>	65			65.5			
Power pressure level (measured in anechoic room)	dB <A>	85			85.5			
Refrigerant piping diameter	Liquid pipe mm (in.)	19.05(3/4) Brazed			19.05(3/4) Brazed			
	Gas pipe mm (in.)	34.93(1-3/8) Brazed			41.28(1-5/8) Brazed			
Set Model								
Model	PUHY-EP250YJM-A(-BS)	PUHY-EP250YJM-A(-BS)	PUHY-EP300YJM-A(-BS)	PUHY-EP250YJM-A(-BS)	PUHY-EP300YJM-A(-BS)	PUHY-EP300YJM-A(-BS)		
FAN	Type x Quantity	Propeller fan x 1		Propeller fan x 2		Propeller fan x 2		
	Air flow rate	m³/min	210		370		370	
		L/s	3,500		6,167		6,167	
		cfm	7,415		13,065		13,065	
	Driving mechanism	Inverter-control, Direct-driven by motor						
	Motor output	kW	0.46 x 1		0.46 x 2		0.46 x 2	
		*3 External static press.	0 Pa (0 mmH ₂ O)		0 Pa (0 mmH ₂ O)		0 Pa (0 mmH ₂ O)	
		Type x Quantity	Inverter scroll hermetic compressor					
	Starting method	Inverter						
	Motor output	kW	6.8		7.7		7.7	
Case heater kW		0.045		0.045		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 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		
	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 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	Over-heat protection						
Refrigerant	Type x original charge	R410A x 11.5kg (26lbs)		R410A x 11.8kg (27lbs)		R410A x 11.8kg (27lbs)		
	Net weight	250(552)		290(640)		290(640)		
	Heat exchanger	Salt-resistant cross fin & copper tube						
Pipe between unit and distributor	Liquid pipe mm (in.)	9.52(3/8) Brazed		12.7(1/2) Brazed		12.7(1/2) Brazed		
	Gas pipe mm (in.)	22.2(7/8) Brazed		22.2(7/8) Brazed		22.2(7/8) Brazed		
Optional parts	Outdoor Twinning kit: CMY-Y300VBK2 Joint: CMY-Y102S/L-G2, CMY-Y202/302-G2 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.

*Due to continuing improvement, above specification may be subject to change without notice.

OUTDOOR UNIT Y Series - High COP PUHY-EP YSJM-A(-BS)



► Specifications

Model	PUHY-EP900YSJM-A(-BS)			
Power source	3-phase 4-wire 380-400-415V 50/60Hz			
Cooling capacity (Nominal)	*1 kW	101.0		
	*1 BTU/h	344,600		
	Power input kW	24.81		
	Current input A	41.8-39.7-38.3		
COP	kW / kW	4.07		
	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	113.0		
	*2 BTU/h	385,600		
	Power input kW	25.50		
	Current input A	43.0-40.8-39.4		
COP	kW / kW	4.43		
	Indoor W.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 / 1~50		
Sound pressure level (measured in anechoic room)	dB <A>	66		
Power pressure level (measured in anechoic room)	dB <A>	86		
Refrigerant piping diameter	Liquid pipe mm (in.)	19.05(3/4) Brazed		
	Gas pipe mm (in.)	41.28(1-5/8) Brazed		
Set Model				
Model	PUHY-EP300YJM-A(-BS)	PUHY-EP300YJM-A(-BS)	PUHY-EP300YJM-A(-BS)	
FAN	Type x Quantity	Propeller fan x 2		
	Air flow rate	m³/min	370	
		L/s	6,167	
		cfm	13,065	
	Driving mechanism	Inverter-control, Direct-driven by motor		
	Motor output	kW	0.46 x 2	
		*3 External static press.	0 Pa (0 mmH ₂ O)	
		Type x Quantity	Inverter scroll hermetic compressor	
	Starting method	Inverter		
	Motor output	kW	7.7	
Case heater kW		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 1,750 x 760		
	in.	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	Over-heat protection		
Refrigerant	Type x original charge	R410A x 11.8kg (27lbs)		
	Net weight	290(640)		
	Heat exchanger	Salt-resistant cross fin & copper tube		
Pipe between unit and distributor	Liquid pipe mm (in.)	12.7(1/2) Brazed		
	Gas pipe mm (in.)	22.2(7/8) Brazed		
Optional parts	Outdoor Twinning kit: CMY-Y300VBK2 Joint: CMY-Y102S/L-G2, CMY-Y202/302-G2 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.

*Due to continuing improvement, above specification may be subject to change without notice.

OUTDOOR UNIT Y Series - High COP PUHY-EP YJM-A(-BS)



► Specifications

Model	PUHY-EP200YJM-A(-BS)	PUHY-EP250YJM-A(-BS)	PUHY-EP300YJM-A(-BS)	
Power source	3-phase 4-wire 380-400-415V 50/60Hz			
Cooling capacity (Nominal)	*1 kW	22.4	33.5	
	*1 BTU / h	76,400	114,300	
	Power input kW	5.09	8.03	
	Current input A	8.5-8.1-7.8	11.3-10.7-10.4	
Temp. range of cooling	Indoor W.B.	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)	
	COP	4.40	4.17	
Heating capacity (Nominal)	*2 kW	25.0	37.5	
	*2 BTU / h	85,300	128,000	
	Power input kW	5.54	8.37	
	Current input A	9.3-8.8-8.5	12.0-11.4-11.0	
Temp. range of heating	Indoor W.B.	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)	
	COP	4.51	4.48	
Indoor unit connectable	50-130 % of outdoor unit capacity			
Sound pressure level (measured in anechoic room)	dB <A>			
Power pressure level (measured in anechoic room)	dB <A>			
Refrigerant piping diameter	mm (in.)			
FAN	Type x Quantity	Propeller fan x 1	Propeller fan x 2	
	Air flow rate	m ³ /min	210	
	L/s	3,500	6,167	
	cfm	6,003	13,065	
Driving mechanism	Inverter-control, Direct-driven by motor			
Motor output	kW			
Compressor	Type x Quantity	Inverter scroll hermetic compressor	Inverter scroll hermetic compressor	
	Starting method	Inverter		
	External static press.	0 Pa (0 mmH ₂ O)		
External finish	Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>			
External dimension HxWxD	mm			
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		
Refrigerant	Type x original charge			
Net weight	kg (lbs)			
Heat exchanger	Salt-resistant cross fin & copper tube			
Optional parts	Joint: CMY-Y102S/L-G2 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.

*Due to continuing improvement, above specification may be subject to change without notice.

OUTDOOR UNIT Y Series - High COP PUHY-EP YSJM-A (-BS)



► Specifications

Model	PUHY-EP400YSJM-A(-BS)	PUHY-EP450YSJM-A(-BS)	PUHY-EP500YSJM-A(-BS)	
Power source	3-phase 4-wire 380-400-415V 50/60Hz			
Cooling capacity (Nominal)	*1 kW	45.0	56.0	
	*1 BTU / h	153,500	191,100	
	Power input kW	10.34	13.30	
	Current input A	17.4-16.5-15.9	20.0-19.0-18.3	
Temp. range of cooling	Indoor W.B.	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)	
	COP	4.35	4.21	
Heating capacity (Nominal)	*2 kW	50.0	63.0	
	*2 BTU / h	170,600	215,000	
	Power input kW	11.41	14.28	
	Current input A	19.2-18.2-17.6	24.1-22.9-22.0	
Temp. range of heating	Indoor W.B.	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)	
	COP	4.38	4.41	
Indoor unit connectable	50-130 % of outdoor unit capacity			
Sound pressure level (measured in anechoic room)	dB <A>			
Power pressure level (measured in anechoic room)	dB <A>			
Refrigerant piping diameter	mm (in.)			
Set Model	Type x Quantity	Propeller fan x 1	Propeller fan x 2	
	Air flow rate	m ³ /min	370	
	L/s	6,167	13,065	
	cfm	13,065	28,333	
Driving mechanism	Inverter-control, Direct-driven by motor			
Motor output	kW			
Compressor	Type x Quantity	Inverter scroll hermetic compressor	Inverter scroll hermetic compressor	
	Starting method	Inverter		
	External static press.	0 Pa (0 mmH ₂ O)		
External finish	Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>			
External dimension HxWxD	mm			
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		
Refrigerant	Type x original charge			
Net weight	kg (lbs)			
Heat exchanger	Salt-resistant cross fin & copper tube			
Optional parts	Joint: CMY-Y102S/L-G2, CMY-Y202-G2 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.

*Due to continuing improvement, above specification may be subject to change without notice.

OUTDOOR UNIT Y Series - High COP PUHY-EP YSJM-A(1) (-BS)



► Specifications

Model	PUHY-EP500YSJM-A(-BS)	PUHY-EP550YSJM-A(-BS)	PUHY-EP600YSJM-A(-BS)
Power source	3-phase 4-wire 380-400-415V 50/60Hz		
Cooling capacity (Nominal)	*1 kW	56.0	63.0
	*1 BTU / h	191,100	215,000
	Power input kW	13.65	15.36
	Current input A	23.0-21.8-21.0	25.9-24.6-23.7
COP	kW / kW	4.10	4.10
	Indoor W.B.	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)
Heating capacity (Nominal)	*2 kW	63.0	69.0
	*2 BTU / h	215,000	235,400
	Power input kW	14.54	15.78
	Current input A	24.5-23.3-22.4	26.6-25.3-24.3
COP	kW / kW	4.33	4.37
	Indoor W.B.	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)
Temp. range of heating	Indoor W.B.	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)
Indoor unit connectable	Total capacity	50-130 % of outdoor unit capacity	50-130 % of outdoor unit capacity
	Model / Quantity	P15-P250 / 1-43	P15-P250 / 1-47
Sound pressure level (measured in anechoic room)	dB <A>	63	63.5
	Power pressure level (measured in anechoic room)	dB <A>	83
Refrigerant piping diameter	Liquid pipe mm (in.)	15.88(5/8) Braze	15.88(5/8) Braze
	Gas pipe mm (in.)	28.58(1-1/8) Braze	28.58(1-1/8) Braze

Model	PUHY-EP250YJM-A(-BS)	PUHY-EP250YJM-A(-BS)	PUHY-EP250YJM-A(-BS)	PUHY-EP300YJM-A(-BS)	PUHY-EP300YJM-A(-BS)	PUHY-EP300YJM-A(-BS)	
FAN	Type x Quantity	Propeller fan x 1		Propeller fan x 1		Propeller fan x 2	
	Air flow rate	m³/min	210	210	210	370	370
		L/s	3,500	3,500	3,500	6,167	6,167
		cfm	7,415	7,415	7,415	13,065	13,065
	Driving mechanism	Inverter-control, Direct-driven by motor					
	Motor output kW	0.46 x 1		0.46 x 1		0.46 x 2	
	*3 External static press.	0 Pa (0 mmH₂O)		0 Pa (0 mmH₂O)		0 Pa (0 mmH₂O)	
Compressor	Type x Quantity	Inverter scroll hermetic compressor					
	Starting method	Inverter					
	Motor output kW	6.8		6.8		7.7	
	Case heater kW	0.045		0.045		0.045	
External finish	Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>						
	External dimension HxWxD	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	
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					
	Fan motor	Thermal switch		Thermal switch		Thermal switch	
Refrigerant	Type x original charge	R410A x 11.5kg (26lbs)	R410A x 11.5kg (26lbs)	R410A x 11.5kg (26lbs)	R410A x 11.8kg (27lbs)	R410A x 11.8kg (27lbs)	
Net weight	kg (lbs)	250(552)		250(552)		290(640)	
Heat exchanger	Type	Salt-resistant cross fin & copper tube					
	Pipe between unit and distributor	Liquid pipe mm (in.)	9.52(3/8) Braze		9.52(3/8) Braze		12.7(1/2) Braze
Optional parts	Gas pipe mm (in.)	22.2(7/8) Braze		22.2(7/8) Braze		22.2(7/8) Braze	
	Outdoor Twinning kit	CMY-Y100VBK2		CMY-Y100VBK2		CMY-Y100VBK2	
Joint	CMY-Y102S/L-G2, CMY-Y202-G2		CMY-Y102S/L-G2, CMY-Y202-G2		CMY-Y102S/L-G2, CMY-Y202-G2		
Header	CMY-Y104/108/1010-G		CMY-Y104/108/1010-G		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.

*Due to continuing improvement, above specification may be subject to change without notice.

Outdoor unit

OUTDOOR UNIT Y Series - High COP PUHY-EP YSJM-A (-BS)



► Specifications

Model	PUHY-EP650YSJM-A(-BS)	PUHY-EP700YSJM-A(-BS)
Power source	3-phase 4-wire 380-400-415V 50/60Hz	
Cooling capacity (Nominal)	*1 kW	73.0
	*1 BTU / h	249,100
	Power input kW	17.46
	Current input A	29.4-28.0-26.9
COP	kW / kW	4.18
	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	81.5
	*2 BTU / h	278,100
	Power input kW	18.56
	Current input A	31.3-29.7-28.6
COP	kW / kW	4.39
	Indoor W.B.	15.0-27.0°C(59-81°F)
	Outdoor W.B.	-20.0-15.5°C(-4-60°F)
Temp. range of heating	Indoor W.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 / 1-50
Sound pressure level (measured in anechoic room)	dB <A>	63
	Power pressure level (measured in anechoic room)	dB <A>
Refrigerant piping diameter	Liquid pipe mm (in.)	15.88 (5/8) Braze
	Gas pipe mm (in.)	28.58 (1-1/8) Braze

Model	PUHY-EP200YJM-A(-BS)	PUHY-EP200YJM-A(-BS)	PUHY-EP250YJM-A(-BS)	PUHY-EP200YJM-A(-BS)	PUHY-EP200YJM-A(-BS)	PUHY-EP300YJM-A(-BS)	
FAN	Type x Quantity	Propeller fan x 1		Propeller fan x 1		Propeller fan x 2	
	Air flow rate	m³/min	170	170	210	170	370
		L/s	2,833	2,833	3,500	2,833	6,167
		cfm	6,003	6,003	7,415	6,003	13,065
	Driving mechanism	Inverter-control, Direct-driven by motor					
	Motor output kW	0.46 x 1		0.46 x 1		0.46 x 2	
	*3 External static press.	0 Pa (0 mmH₂O)		0 Pa (0 mmH₂O)		0 Pa (0 mmH₂O)	
Compressor	Type x Quantity	Inverter scroll hermetic compressor					
	Starting method	Inverter					
	Motor output kW	5.4		5.4		6.8	
	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	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 1,750 x 760	
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					
	Fan motor	Thermal switch		Thermal switch		Thermal switch	
Refrigerant	Type x original charge	R410A x 8.0kg (18lbs)	R410A x 8.0kg (18lbs)	R410A x 11.5kg (26lbs)	R410A x 8.0kg (18lbs)	R410A x 11.8kg (27lbs)	
Net weight	kg (lbs)	200(441)		250(552)		290(640)	
Heat exchanger	Type	Salt-resistant cross fin & copper tube					
	Pipe between unit and distributor	Liquid pipe mm (in.)	9.52(3/8) Braze		9.52(3/8) Braze		12.7(1/2) Braze
Optional parts	Gas pipe mm (in.)	19.05(3/4) Braze		19.05(3/4) Braze		22.2(7/8) Braze	
	Outdoor Twinning kit	CMY-Y300VBK2		CMY-Y300VBK2		CMY-Y300VBK2	
Joint	CMY-Y102S/L-G2, CMY-Y202/302-G2		CMY-Y102S/L-G2, CMY-Y202/302-G2		CMY-Y102S/L-G2, CMY-Y202/302-G2		
Header	CMY-Y104/108/1010-G		CMY-Y104/108/1010-G		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.

*Due to continuing improvement, above specification may be subject to change without notice.

Outdoor Unit

OUTDOOR UNIT Y Series - High COP PUHY-EP YSJM-A(1) (-BS)



► Specifications

Model	PUHY-EP800YSJM-A1(-BS)			PUHY-EP850YSJM-A(-BS)				
Power source	3-phase 4-wire 380-400-415V 50/60Hz							
Cooling capacity (Nominal)	*1 kW	90.0			96.0			
	*1 BTU/h	307,100			327,600			
	Power input kW	22.16			23.58			
	Current input A	37.4-35.5-34.2			39.8-37.8-36.4			
COP	kW / kW	4.06			4.07			
	Indoor W.B.	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)			
Heating capacity (Nominal)	*2 kW	100.0			108.0			
	*2 BTU/h	341,200			368,500			
	Power input kW	22.98			24.65			
	Current input A	38.7-36.8-35.5			41.6-39.5-38.1			
COP	kW / kW	4.35			4.38			
	Indoor W.B.	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)			
Indoor unit connectable	Total capacity	50~130 % of outdoor unit capacity			50~130 % of outdoor unit capacity			
	Model / Quantity	P15~P250 / 1-50			P15~P250 / 1-50			
Sound pressure level (measured in anechoic room)	dB <A>	65			65.5			
Power pressure level (measured in anechoic room)	dB <A>	85			85.5			
Refrigerant piping diameter	Liquid pipe mm (in.)	19.05(3/4) Brazed			19.05(3/4) Brazed			
	Gas pipe mm (in.)	34.93(1-3/8) Brazed			41.28(1-5/8) Brazed			
Set Model								
Model	PUHY-EP250YJM-A(-BS)	PUHY-EP250YJM-A(-BS)	PUHY-EP300YJM-A(-BS)	PUHY-EP250YJM-A(-BS)	PUHY-EP300YJM-A(-BS)	PUHY-EP300YJM-A(-BS)		
FAN	Type x Quantity	Propeller fan x 1		Propeller fan x 2		Propeller fan x 2		
	Air flow rate	m³/min	210		210		370	
		L/s	3,500		3,500		6,167	
		cfm	7,415		7,415		13,065	
	Driving mechanism	Inverter-control, Direct-driven by motor						
	Motor output	kW	0.46 x 1		0.46 x 2		0.46 x 2	
		*3 External static press.	0 Pa (0 mmH ₂ O)		0 Pa (0 mmH ₂ O)		0 Pa (0 mmH ₂ O)	
		Type x Quantity	Inverter scroll hermetic compressor					
	Starting method	Inverter						
	Motor output kW	6.8		7.7		7.7		
Case heater kW	0.045		0.045		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 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		
	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 68-15/16 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)			
	Inverter circuit (COMP/FAN)	Over-heat protection, Over-current protection						
	Compressor	Over-heat protection						
	Fan motor	Over-heat protection						
Refrigerant	Type x original charge	R410A x 11.5kg (26lbs)		R410A x 11.8kg (27lbs)		R410A x 11.8kg (27lbs)		
	Net weight kg (lbs)	250(552)		250(552)		290(640)		
	Heat exchanger	Salt-resistant cross fin & copper tube						
Pipe between unit and distributor	Liquid pipe mm (in.)	9.52(3/8) Brazed		12.7(1/2) Brazed		12.7(1/2) Brazed		
	Gas pipe mm (in.)	22.2(7/8) Brazed		22.2(7/8) Brazed		22.2(7/8) Brazed		
Optional parts	Outdoor Twinning kit: CMY-Y300VBK2 Joint: CMY-Y102S/L-G2, CMY-Y202/302-G2 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.

*Due to continuing improvement, above specification may be subject to change without notice.

OUTDOOR UNIT Y Series - High COP PUHY-EP YSJM-A(-BS)



► Specifications

Model	PUHY-EP900YSJM-A(-BS)			
Power source	3-phase 4-wire 380-400-415V 50/60Hz			
Cooling capacity (Nominal)	*1 kW	101.0		
	*1 BTU/h	344,600		
	Power input kW	24.81		
	Current input A	41.8-39.7-38.3		
COP	kW / kW	4.07		
	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	113.0		
	*2 BTU/h	385,600		
	Power input kW	25.50		
	Current input A	43.0-40.8-39.4		
COP	kW / kW	4.43		
	Indoor W.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 / 1-50		
Sound pressure level (measured in anechoic room)	dB <A>	66		
Power pressure level (measured in anechoic room)	dB <A>	86		
Refrigerant piping diameter	Liquid pipe mm (in.)	19.05(3/4) Brazed		
	Gas pipe mm (in.)	41.28(1-5/8) Brazed		
Set Model				
Model	PUHY-EP300YJM-A(-BS)	PUHY-EP300YJM-A(-BS)	PUHY-EP300YJM-A(-BS)	
FAN	Type x Quantity	Propeller fan x 2		
	Air flow rate	m³/min	370	
		L/s	6,167	
		cfm	13,065	
	Driving mechanism	Inverter-control, Direct-driven by motor		
	Motor output	kW	0.46 x 2	
		*3 External static press.	0 Pa (0 mmH ₂ O)	
		Type x Quantity	Inverter scroll hermetic compressor	
	Starting method	Inverter		
	Motor output kW	7.7		
Case heater kW	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 1,750 x 760		
	in.	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	Over-heat protection		
Refrigerant	Type x original charge	R410A x 11.8kg (27lbs)		
	Net weight kg (lbs)	290(640)		
	Heat exchanger	Salt-resistant cross fin & copper tube		
Pipe between unit and distributor	Liquid pipe mm (in.)	12.7(1/2) Brazed		
	Gas pipe mm (in.)	22.2(7/8) Brazed		
Optional parts	Outdoor Twinning kit: CMY-Y300VBK2 Joint: CMY-Y102S/L-G2, CMY-Y202/302-G2 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.

*Due to continuing improvement, above specification may be subject to change without notice.