

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
COP	kW / kW	4.40	4.17
	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	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
COP	kW / kW	4.51	4.48
	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	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>	57	61
Power pressure level (measured in anechoic room)	dB <A>	77	81
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)
	Gas pipe mm (in.)	19.05(3/4) Braze	22.2(7/8) Braze
FAN	Type x Quantity	Propeller fan x 1	
	Air flow rate	m³/min	170
		L/s	2,833
		cfm	6,003
	Driving mechanism	Inverter-control, Direct-driven by motor	
	Motor output kW	0.46 x 1	
	*3 External static press.	0 Pa (0 mmH₂O)	
	Type x Quantity	Inverter scroll hermetic compressor	
	Starting method	Inverter	
	Motor output kW	6.8	
Case heater kW	0.035		
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(1,220 without legs) x 1,220 x 760
	in.	67-3/8(65 without legs) x 36-1/4 x 29-15/16	67-3/8(48-1/16 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 8.0kg (18lbs)	
Net weight	kg (lbs)	200(441)	
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					
COP	kW / kW	4.35	4.21					
	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	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					
COP	kW / kW	4.38	4.41					
	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	50-130 % of outdoor unit capacity							
Model / Quantity	P15-P250 / 1-35	P15-P250 / 1-39	P15-P250 / 1-43					
Sound pressure level (measured in anechoic room)	dB <A>	60	62.5					
Power pressure level (measured in anechoic room)	dB <A>	80	82.5					
Refrigerant piping diameter	Liquid pipe mm (in.)	12.7(1/2) Braze	15.88(5/8) Braze					
	Gas pipe mm (in.)	28.58(1-1/8) Braze	28.58(1-1/8) Braze					
Set Model								
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 2	
	Air flow rate	m³/min	170	170	170	210	170	370
		L/s	2,833	2,833	2,833	3,500	2,833	6,167
		cfm	6,003	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						
	*3 External static press.	0 Pa (0 mmH₂O)						
	Type x Quantity	Inverter scroll hermetic compressor						
	Starting method	Inverter						
	Motor output kW	6.8						
Case heater kW	0.035							
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	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 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 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 68-1/16 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 8.0kg (18lbs)						
Net weight	kg (lbs)	200(441)						
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(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 66.0 *1 BTU/h 191,100	63.0 215,000	69.0 235,400
Power input	kW 13.65	15.36	16.82
Current input	A 23.0-21.8-21.0	25.9-24.6-23.7	28.3-26.9-26.0
COP	kW / kW 4.10	4.10	4.10
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)	15.0~24.0°C(59~75°F) -5.0~46.0°C(23~115°F)	15.0~24.0°C(59~75°F) -5.0~46.0°C(23~115°F)
Heating capacity (Nominal)	*2 kW 63.0 *2 BTU/h 215,000	69.0 235,400	76.5 261,000
Power input	kW 14.54	15.78	17.30
Current input	A 24.5-23.3-22.4	26.6-25.3-24.3	29.2-27.7-26.7
COP	kW / kW 4.33	4.37	4.42
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)	15.0~27.0°C(59~81°F) -20.0~-15.5°C(-4~-60°F)	15.0~27.0°C(59~81°F) -20.0~-15.5°C(-4~-60°F)
Indoor unit connectable	Total capacity Model / Quantity 50~130 % of outdoor unit capacity P15~P250 / 1~43	50~130 % of outdoor unit capacity P15~P250 / 1~47	50~130 % of outdoor unit capacity P15~P250 / 1~50
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	Liquid pipe mm (in.) 15.88(5/8) Braze	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	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 Air flow rate m³/min L/s cfm Driving mechanism Motor output kV *3 External static press. 0 Pa (0 mmH₂O)	Propeller fan x 1 210 3,500 7,415 Inverter-control, Direct-driven by motor 0.46 x 1 0 Pa (0 mmH₂O)	Propeller fan x 1 210 3,500 7,415 Inverter-control, Direct-driven by motor 0.46 x 1 0 Pa (0 mmH₂O)	Propeller fan x 1 210 3,500 7,415 Inverter-control, Direct-driven by motor 0.46 x 1 0 Pa (0 mmH₂O)	Propeller fan x 2 370 6,167 13,065 Inverter-control, Direct-driven by motor 0.46 x 2 0 Pa (0 mmH₂O)	Propeller fan x 2 370 6,167 13,065 Inverter-control, Direct-driven by motor 0.46 x 2 0 Pa (0 mmH₂O)
Compressor	Type x Quantity Starting method Motor output kW Case heater kW	Inverter scroll hermetic compressor Inverter 6.8 0.045	Inverter scroll hermetic compressor Inverter 6.8 0.045	Inverter scroll hermetic compressor Inverter 6.8 0.045	Inverter scroll hermetic compressor Inverter 7.7 0.045	Inverter scroll hermetic compressor Inverter 7.7 0.045
External finish	Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>					
External dimension HxWxD	mm in.	1,710(1,650 without legs) x 1,220 x 760 67-3/8(65 without legs) x 48-1/16 x 29-15/16	1,710(1,650 without legs) x 1,220 x 760 67-3/8(65 without legs) x 48-1/16 x 29-15/16	1,710(1,650 without legs) x 1,750 x 760 67-3/8(65 without legs) x 68-15/16 x 29-15/16	1,710(1,650 without legs) x 1,750 x 760 67-3/8(65 without legs) x 68-15/16 x 29-15/16	1,710(1,650 without legs) x 1,750 x 760 67-3/8(65 without legs) x 68-15/16 x 29-15/16
Protection devices	High pressure protection Inverter circuit (COMP/FAN) Compressor Fan motor	High pressure sensor, High pressure switch at 4.15MPa (601 psi) Over-heat protection, Over-current protection Thermal switch	High pressure sensor, High pressure switch at 4.15MPa (601 psi) Over-heat protection, Over-current protection Thermal switch	High pressure sensor, High pressure switch at 4.15MPa (601 psi) Over-heat protection, Over-current protection Thermal switch	High pressure sensor, High pressure switch at 4.15MPa (601 psi) Over-heat protection, Over-current protection Thermal switch	High pressure sensor, High pressure switch at 4.15MPa (601 psi) Over-heat protection, Over-current protection Thermal switch
Refrigerant	Type x original charge	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)	290(640)	290(640)	290(640)
Heat exchanger	Salt-resistant cross fin & copper tube					
Pipe between unit and distributor	Liquid pipe mm (in.) Gas pipe mm (in.)	9.52(3/8) Braze 22.2(7/8) Braze	9.52(3/8) Braze 22.2(7/8) Braze	9.52(3/8) Braze 22.2(7/8) Braze	12.7(1/2) Braze 22.2(7/8) Braze	12.7(1/2) Braze 22.2(7/8) Braze
Optional parts	Outdoor Twinning kit: CMY-Y100VBK2 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 (-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	80.0 273,000
Power input	kW 17.46	19.13
Current input	A 29.4-28.0-26.9	32.2-30.6-29.5
COP	kW / kW 4.18	4.18
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)	15.0~24.0°C(59~75°F) -5.0~46.0°C(23~115°F)
Heating capacity (Nominal)	*2 kW 81.5 *2 BTU/h 278,100	88.0 300,300
Power input	kW 18.56	20.00
Current input	A 31.3-29.7-28.6	33.7-32.0-30.9
COP	kW / kW 4.39	4.40
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)	15.0~27.0°C(59~81°F) -20.0~-15.5°C(-4~-60°F)
Indoor unit connectable	Total capacity Model / Quantity 50~130 % of outdoor unit capacity P15~P250 / 1~50	50~130 % of outdoor unit capacity P15~P250 / 1~50
Sound pressure level (measured in anechoic room)	dB <A> 63	63.5
Power pressure level (measured in anechoic room)	dB <A> 83	83.5
Refrigerant piping diameter	Liquid pipe mm (in.) 15.88 (5/8) Braze	19.05(3/4) Braze
	Gas pipe mm (in.) 28.58 (1-1/8) Braze	34.93(1-3/8) Braze

Model	PUHY-EP200YJM-A(-BS)	PUHY-EP250YJM-A(-BS)	PUHY-EP300YJM-A(-BS)	PUHY-EP400YJM-A(-BS)	PUHY-EP500YJM-A(-BS)	PUHY-EP600YJM-A(-BS)
FAN	Type x Quantity Air flow rate m³/min L/s cfm Driving mechanism Motor output kW *3 External static press. 0 Pa (0 mmH₂O)	Propeller fan x 1 170 2,833 6,003 Inverter-control, Direct-driven by motor 0.46 x 1 0 Pa (0 mmH₂O)	Propeller fan x 1 170 2,833 6,003 Inverter-control, Direct-driven by motor 0.46 x 1 0 Pa (0 mmH₂O)	Propeller fan x 1 210 3,500 7,415 Inverter-control, Direct-driven by motor 0.46 x 1 0 Pa (0 mmH₂O)	Propeller fan x 1 170 2,833 6,003 Inverter-control, Direct-driven by motor 0.46 x 1 0 Pa (0 mmH₂O)	Propeller fan x 2 370 6,167 13,065 Inverter-control, Direct-driven by motor 0.46 x 2 0 Pa (0 mmH₂O)
Compressor	Type x Quantity Starting method Motor output kW Case heater kW	Inverter scroll hermetic compressor Inverter 5.4 0.035	Inverter scroll hermetic compressor Inverter 5.4 0.035	Inverter scroll hermetic compressor Inverter 6.8 0.045	Inverter scroll hermetic compressor Inverter 5.4 0.035	Inverter scroll hermetic compressor Inverter 7.7 0.045
External finish	Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>					
External dimension HxWxD	mm in.	1,710(1,650 without legs) x 920 x 760 67-3/8(65 without legs) x 36-1/4 x 29-15/16	1,710(1,650 without legs) x 920 x 760 67-3/8(65 without legs) x 36-1/4 x 29-15/16	1,710(1,650 without legs) x 1,220 x 760 67-3/8(65 without legs) x 48-1/16 x 29-15/16	1,710(1,650 without legs) x 920 x 760 67-3/8(65 without legs) x 36-1/4 x 29-15/16	1,710(1,650 without legs) x 1,750 x 760 67-3/8(65 without legs) x 68-15/16 x 29-15/16
Protection devices	High pressure protection Inverter circuit (COMP/FAN) Compressor Fan motor	High pressure sensor, High pressure switch at 4.15MPa (601 psi) Over-heat protection, Over-current protection Thermal switch	High pressure sensor, High pressure switch at 4.15MPa (601 psi) Over-heat protection, Over-current protection Thermal switch	High pressure sensor, High pressure switch at 4.15MPa (601 psi) Over-heat protection, Over-current protection Thermal switch	High pressure sensor, High pressure switch at 4.15MPa (601 psi) Over-heat protection, Over-current protection Thermal switch	High pressure sensor, High pressure switch at 4.15MPa (601 psi) Over-heat protection, Over-current protection 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)	200(441)	250(552)	200(441)	290(640)
Heat exchanger	Salt-resistant cross fin & copper tube					
Pipe between unit and distributor	Liquid pipe mm (in.) Gas pipe mm (in.)	9.52(3/8) Braze 19.05(3/4) Braze	9.52(3/8) Braze 19.05(3/4) Braze	9.52(3/8) Braze 22.2(7/8) Braze	9.52(3/8) Braze 19.05(3/4) Braze	12.7(1/2) Braze 22.2(7/8) Braze
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(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		
	W.B.	15.0-24.0°C(59-75°F)			15.0-24.0°C(59-75°F)		
Temp. range of cooling	Indoor	15.0-24.0°C(59-75°F)			15.0-24.0°C(59-75°F)		
	Outdoor	-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		
	W.B.	15.0-27.0°C(59-81°F)			15.0-27.0°C(59-81°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 / 1-50			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 2	
	Air flow rate	m³/min	170		210		370
		L/s	2,833		3,500		6,167
		cfm	6,003		7,415		13,065
	Driving mechanism	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 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			Inverter scroll hermetic compressor		
	Starting method	Inverter		Inverter		Inverter	
	Motor output kW	5.4		6.8		7.7	
	Case heater kW	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 1,750 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 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		
	Compressor	Over-heat protection			Over-heat protection		
Refrigerant	Type x original charge	R410A x 8.0kg (18lbs)		R410A x 11.5kg (26lbs)		R410A x 11.8kg (27lbs)	
	Net weight kg (lbs)	200(441)		250(552)		290(640)	
	Heat exchanger	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) 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	
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		
	W.B.	15.0-24.0°C(59-75°F)			15.0-24.0°C(59-75°F)		
Temp. range of cooling	Indoor	15.0-24.0°C(59-75°F)			15.0-24.0°C(59-75°F)		
	Outdoor	-5.0-46.0°C(23-115°F)			-5.0-46.0°C(23-115°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		
	W.B.	15.0-27.0°C(59-81°F)			15.0-27.0°C(59-81°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 / 1-50			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 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			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			Inverter scroll hermetic compressor		
	Starting method	Inverter		Inverter		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>			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 1,750 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 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		
	Compressor	Over-heat protection			Over-heat protection		
Refrigerant	Type x original charge	R410A x 11.5kg (26lbs)		R410A x 11.5kg (26lbs)		R410A x 11.8kg (27lbs)	
	Net weight kg (lbs)	250(552)		250(552)		290(640)	
	Heat exchanger	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) 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	
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		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	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	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		
	Motor output	kW		
	Case heater	kW		
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(1,220 without legs) x 1,220 x 760	
	in.	67-3/8(65 without legs) x 36-1/4 x 29-15/16	67-3/8(48-1/16 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 8.0kg (18lbs)		
Net weight	kg (lbs)	200(441)		
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	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	6,003	13,065	
	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		
	Motor output	kW		
	Case heater	kW		
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(1,220 without legs) x 1,220 x 760	
	in.	67-3/8(65 without legs) x 36-1/4 x 29-15/16	67-3/8(48-1/16 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 8.0kg (18lbs)		
Net weight	kg (lbs)	200(441)		
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	69.0				
	*1 BTU / h	191,100	215,000	235,400				
	Power input kW	13.65	15.36	16.82				
	Current input A	23.0-21.8-21.0	25.9-24.6-23.7	28.3-26.9-26.0				
COP	kW / kW	4.10	4.10	4.10				
	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)				
Temp. range of cooling	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	*2 BTU / h	215,000	235,400	261,000				
	Power input kW	14.54	15.78	17.30				
	Current input A	24.5-23.3-22.4	26.6-25.3-24.3	29.2-27.7-26.7				
	COP kW / kW	4.33	4.37	4.42				
Temp. range of heating	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	50~130 % of outdoor unit capacity						
	Model / Quantity	P15~P250 / 1-43						
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	Liquid pipe mm (in.)	15.88(5/8) Brazed						
	Gas pipe mm (in.)	28.58(1-1/8) Brazed						
Set Model								
Model		PUHY-EP250YJM-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 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						
Motor output kW	0.46 x 1		0.46 x 1		0.46 x 2		0.46 x 2	
Compressor	Type x Quantity	Inverter scroll hermetic compressor		Inverter scroll hermetic compressor	Inverter scroll hermetic compressor			
	Starting method	Inverter						
	Motor output kW	6.8		6.8		7.7		7.7
	Case heater kW	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>						
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 1,750 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 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	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 11.5kg (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)		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		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-Y100VBK2							
	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 (-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	80.0					
	*1 BTU / h	249,100	273,000					
	Power input kW	17.46	19.13					
	Current input A	29.4-28.0-26.9	32.2-30.6-29.5					
COP	kW / kW	4.18	4.18					
	Indoor W.B.	15.0-24.0°C(59-75°F)	15.0-24.0°C(59-75°F)					
Temp. range of cooling	Outdoor D.B.	-5.0-46.0°C(23-115°F)	-5.0-46.0°C(23-115°F)					
	Heating capacity (Nominal)							
*2 kW	*2 BTU / h	278,100	300,300					
	Power input kW	18.56	20.00					
	Current input A	31.3-29.7-28.6	33.7-32.0-30.9					
	COP kW / kW	4.39	4.40					
Temp. range of heating	Indoor D.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						
	Model / Quantity	P15~P250 / 1-50						
Sound pressure level (measured in anechoic room)	dB <A>	63	63.5					
	Power pressure level (measured in anechoic room)	dB <A>	83	83.5				
Refrigerant piping diameter	Liquid pipe mm (in.)	15.88 (5/8) Brazed						
	Gas pipe mm (in.)	28.58 (1-1/8) Brazed						
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						
Motor output kW	0.46 x 1		0.46 x 1		0.46 x 1		0.46 x 2	
Compressor	Type x Quantity	Inverter scroll hermetic compressor		Inverter scroll hermetic compressor				
	Starting method	Inverter						
	Motor output kW	5.4		5.4		6.8		7.7
	Case heater kW	0.035		0.035		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 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 920 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 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 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 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)						
	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 8.0kg (18lbs)	R410A x 8.0kg (18lbs)	R410A x 11.5kg (26lbs)	R410A x 8.0kg (18lbs)	R410A x 8.0kg (18lbs)	R410A x 11.8kg (27lbs)	
	Net weight kg (lbs)	200(441)		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		12.7(1/2) Brazed		
	Gas pipe mm (in.)	19.05(3/4) 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							

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)	PUHY-EP300YJM-A(-BS)	PUHY-EP300YJM-A(-BS)		
FAN	Type x Quantity	Propeller fan x 1		Propeller fan x 1		Propeller fan x 2		Propeller fan x 2		
	Air flow rate	m³/min	210		210		370		370	
		L/s	3,500		3,500		6,167		6,167	
		cfm	7,415		7,415		13,065		13,065	
	Driving mechanism	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 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)		0 Pa (0 mmH ₂ O)	
		Type x Quantity	Inverter scroll hermetic compressor		Inverter scroll hermetic compressor		Inverter scroll hermetic compressor		Inverter scroll hermetic compressor	
	Starting method	Inverter		Inverter		Inverter		Inverter		
	Motor output kW	6.8		6.8		7.7		7.7		
Case heater kW	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>					
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 1,750 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 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				Over-heat protection, Over-current protection				
	Compressor	Over-heat protection				Over-heat protection				
	Fan motor	Thermal switch				Thermal switch				
Refrigerant	Type x original charge	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)		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		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		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(-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)	PUHY-EP300YJM-A(-BS)		
FAN	Type x Quantity	Propeller fan x 2		Propeller fan x 2		
	Air flow rate	m³/min	370		370	
		L/s	6,167		6,167	
		cfm	13,065		13,065	
	Driving mechanism	Inverter-control, Direct-driven by motor				
	Motor output	kW	0.46 x 2		0.46 x 2	
		*3 External static press.	0 Pa (0 mmH ₂ O)		0 Pa (0 mmH ₂ O)	
		Type x Quantity	Inverter scroll hermetic compressor		Inverter scroll hermetic compressor	
	Starting method	Inverter		Inverter		
	Motor output kW	7.7		7.7		
Case heater kW	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 1,750 x 760		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		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)		
Net weight	kg (lbs)	290(640)		290(640)		
Heat exchanger	Salt-resistant cross fin & copper tube					
Pipe between unit and distributor	Liquid pipe mm (in.)	12.7(1/2) Brazed		12.7(1/2) Brazed		
	Gas pipe mm (in.)	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.