

OUTDOOR UNIT

Y Series - High COP

PUHY-EP YLM-A(-BS)



► Specifications

Model		PUHY-EP200YLM-A (-BS)	PUHY-EP250YLM-A (-BS)	PUHY-EP300YLM-A (-BS)	
Power source		3-phase 4-wire 380-400-415 V 50/60 Hz	3-phase 4-wire 380-400-415 V 50/60 Hz	3-phase 4-wire 380-400-415 V 50/60 Hz	
Cooling capacity (Nominal)	*1 kW	22.4	28.0	33.5	
	*1 BTU / h	76,400	95,500	114,300	
	Power input kW	5.19	6.89	8.56	
	Current input A	8.7-8.3-8.0	11.6-11.0-10.6	14.4-13.7-13.2	
	EER	4.31	4.06	3.91	
Temp. range of cooling	Indoor W.B.	15.0~24.0°C (59~75°F)	15.0~24.0°C (59~75°F)	15.0~24.0°C (59~75°F)	
	Outdoor D.B.	-5.0~52.0°C (23~126°F)	-5.0~52.0°C (23~126°F)	-5.0~52.0°C (23~126°F)	
Heating capacity (Nominal)	*2 kW	25.0	31.5	37.5	
	*2 BTU / h	85,300	107,500	128,000	
	Power input kW	5.73	7.68	9.16	
	Current input A	9.6-9.1-8.8	12.9-12.3-11.8	15.4-14.6-14.1	
	COP	4.36	4.10	4.09	
Temp. range of heating	Indoor D.B.	15.0~27.0°C (59~81°F)	15.0~27.0°C (59~81°F)	15.0~27.0°C (59~81°F)	
	Outdoor W.B.	-20.0~15.5°C (-4~60°F)	-20.0~15.5°C (-4~60°F)	-20.0~15.5°C (-4~60°F)	
Indoor unit connectable	Total capacity	50~130% of outdoor unit capacity	50~130% of outdoor unit capacity	50~130% of outdoor unit capacity	
	Model / Quantity	P15~P250/1~17	P15~P250/1~21	P15~P250/1~26	
Sound pressure level (measured in anechoic room)	dB <A>	57	60	61	
Sound power level (measured in anechoic room)	dB <A>	79.5	80	82	
Refrigerant piping diameter	Liquid pipe mm (in.)	9.52 (3/8) Brazed	9.52 (3/8) Brazed (12.7 (1/2) Brazed, farthest length >= 90 m)	9.52 (3/8) Brazed (12.7 (1/2) Brazed, farthest length >= 40 m)	
	Gas pipe mm (in.)	22.2 (7/8) Brazed	22.2 (7/8) Brazed	28.58 (1-1/8) Brazed	
FAN	Type x Quantity	Propeller fan x 1	Propeller fan x 1	Propeller fan x 1	
	Air flow rate	m ³ /min	175	175	200
		L/s	2,917	2,917	3,333
		cfm	6,179	6,179	7,062
	Driving mechanism	Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor	
	Motor output kW	0.92 x 1	0.92 x 1	0.92 x 1	
	*3 External static press.	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	Inverter scroll hermetic compressor	Inverter scroll hermetic compressor	
	Starting method	Inverter	Inverter	Inverter	
	Motor output kW	5.6	6.9	8.1	
	Case heater kW	-	-	-	
External finish		Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>	Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>	Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>	
External dimension HxWxD	mm	1,710 (1,650 without legs) x 920 x 740	1,710 (1,650 without legs) x 920 x 740	1,710 (1,650 without legs) x 1,220 x 740	
	in.	67-3/8 (65 without legs) x 36-1/4 x 29-3/16	67-3/8 (65 without legs) x 36-1/4 x 29-3/16	67-3/8 (65 without legs) x 48-1/16 x 29-3/16	
Protection devices	High pressure protection	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)	High pressure sensor, High pressure switch at 4.15 MPa (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	-	-	-	
	Fan motor	-	-	-	
Refrigerant	Type x original charge	R410A x 7.5 kg (17 lbs)	R410A x 7.5 kg (17 lbs)	R410A x 10.3 kg (23 lbs)	
Net weight	kg (lbs)	208 (459)	208 (459)	252 (556)	
Heat exchanger		Salt-resistant cross fin & aluminium tube	Salt-resistant cross fin & aluminium tube	Salt-resistant cross fin & aluminium tube	
Optional parts		Joint: CMY-Y102SS/LS-G2 Header: CMY-Y104/108/1010-G	Joint: CMY-Y102SS/LS-G2 Header: CMY-Y104/108/1010-G	Joint: CMY-Y102SS/LS-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/24°C WB (95°F DB/75°F WB)	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.

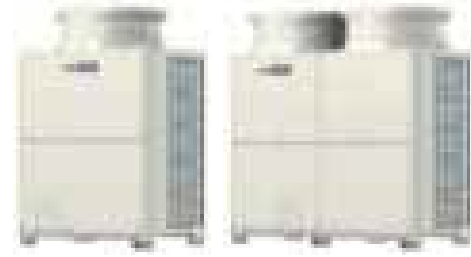
*Due to continuing improvement, above specification may be subject to change without notice.



OUTDOOR UNIT

Y Series - High COP

PUHY-EP YLM-A(-BS)



► Specifications

Model	PUHY-EP350YLM-A (-BS)		PUHY-EP400YLM-A (-BS)		PUHY-EP450YLM-A (-BS)		PUHY-EP500YLM-A (-BS)		
Power source	3-phase 4-wire 380-400-415 V 50/60 Hz		3-phase 4-wire 380-400-415 V 50/60 Hz		3-phase 4-wire 380-400-415 V 50/60 Hz		3-phase 4-wire 380-400-415 V 50/60 Hz		
Cooling capacity (Nominal)	*1	kW	40.0	45.0	50.0	56.0			
	*1	BTU / h	136,500	153,500	170,600	191,100			
		Power input	kW	11.69	12.26	14.79	18.72		
		Current input	A	19.7-18.7-18.0	20.6-19.6-18.9	24.9-23.7-22.8	31.6-30.0-28.9		
		EER	kW / kW	3.42	3.67	3.38	2.99		
Temp. range of cooling	Indoor	W.B.	15.0~24.0°C (59~75°F)	15.0~24.0°C (59~75°F)	15.0~24.0°C (59~75°F)	15.0~24.0°C (59~75°F)			
	Outdoor	D.B.	-5.0~52.0°C (23~126°F)	-5.0~52.0°C (23~126°F)	-5.0~52.0°C (23~126°F)	-5.0~52.0°C (23~126°F)			
Heating capacity (Nominal)	*2	kW	45.0	50.0	56.0	63.0			
	*2	BTU / h	153,500	170,600	191,100	215,000			
		Power input	kW	12.53	13.15	16.09	19.68		
		Current input	A	21.1-20.0-19.3	22.1-21.0-20.3	27.1-25.8-24.8	33.2-31.5-30.4		
		COP	kW / kW	3.59	3.80	3.48	3.20		
Temp. range of heating	Indoor	D.B.	15.0~27.0°C (59~81°F)	15.0~27.0°C (59~81°F)	15.0~27.0°C (59~81°F)	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)	-20.0~15.5°C (-4~60°F)			
Indoor unit connectable	Total capacity	50~130% of outdoor unit capacity		50~130% of outdoor unit capacity	50~130% of outdoor unit capacity	50~130% of outdoor unit capacity			
	Model / Quantity	P15~P250/1~30		P15~P250/1~34	P15~P250/1~39	P15~P250/1~43			
Sound pressure level (measured in anechoic room)	dB <A>	61		62.5	63	63.5			
Sound power level (measured in anechoic room)	dB <A>	82.5		82.5	83	83.5			
Refrigerant piping diameter	Liquid pipe	mm (in.)	12.7 (1/2) Brazed	12.7 (1/2) Brazed	15.88 (5/8) Brazed	15.88 (5/8) Brazed			
	Gas pipe	mm (in.)	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed			
FAN	Type x Quantity	Propeller fan x 1		Propeller fan x 2	Propeller fan x 2	Propeller fan x 2			
	Air flow rate	m ³ /min	200		320	370	370		
		L/s	3,333		5,333	6,167	6,167		
		cfm	7,062		11,299	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	kW	0.92 x 1		0.92 x 2	0.92 x 2	0.92 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)		
Compressor	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	10.5		10.9	12.4	13.4		
	Case heater	kW	-		-	-	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>	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 740		1,710 (1,650 without legs) x 1,750 x 740	1,710 (1,650 without legs) x 1,750 x 740	1,710 (1,650 without legs) x 1,750 x 740			
		67-3/8 (65 without legs) x 48-1/16 x 29-3/16		67-3/8 (65 without legs) x 68-15/16 x 29-3/16	67-3/8 (65 without legs) x 68-15/16 x 29-3/16	67-3/8 (65 without legs) x 68-15/16 x 29-3/16	67-3/8 (65 without legs) x 68-15/16 x 29-3/16		
Protection devices	High pressure protection	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)		High pressure sensor, High pressure switch at 4.15 MPa (601 psi)	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)	High pressure sensor, High pressure switch at 4.15 MPa (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	-		-	-	-			
	Fan motor	-		-	-	-			
	Refrigerant	Type x original charge	R410A x 10.3 kg (23 lbs)		R410A x 11.8 kg (27 lbs)	R410A x 11.8 kg (27 lbs)	R410A x 11.8 kg (27 lbs)		
Net weight	kg (lbs)	252 (556)		318 (702)	318 (702)	332 (732)			
Heat exchanger	Salt-resistant cross fin & aluminium tube		Salt-resistant cross fin & aluminium tube	Salt-resistant cross fin & aluminium tube	Salt-resistant cross fin & aluminium tube	Salt-resistant cross fin & aluminium tube			
Optional parts	Joint: CMY-Y102SS/LS-G2, CMY-Y202S-G2 Header: CMY-Y104/108/1010-G		Joint: CMY-Y102SS/LS-G2, CMY-Y202S-G2 Header: CMY-Y104/108/1010-G	Joint: CMY-Y102SS/LS-G2, CMY-Y202S-G2 Header: CMY-Y104/108/1010-G	Joint: CMY-Y102SS/LS-G2, CMY-Y202S-G2 Header: CMY-Y104/108/1010-G	Joint: CMY-Y102SS/LS-G2, CMY-Y202S-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/24°C WB (95°F DB/75°F WB)	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).

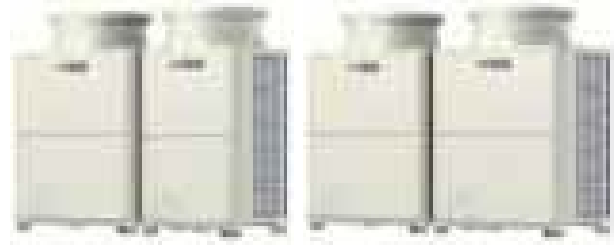
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OUTDOOR UNIT

Y Series - High COP

PUHY-EP YSLM-A(-BS)



► Specifications

Model			PUHY-EP550YSLM-A (-BS)		PUHY-EP600YSLM-A (-BS)	
Power source			3-phase 4-wire 380-400-415 V 50/60 Hz		3-phase 4-wire 380-400-415 V 50/60 Hz	
Cooling capacity (Nominal)	*1	kW	63.0		69.0	
	*1	BTU / h	215,000		235,400	
	Power input	kW	16.62		18.59	
	Current input	A	28.0-26.6-25.6		31.3-29.8-28.7	
EER			3.79		3.71	
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.	-5.0~52.0°C (23~126°F)		-5.0~52.0°C (23~126°F)	
Heating capacity (Nominal)	*2	kW	69.0		76.5	
	*2	BTU / h	235,400		261,000	
	Power input	kW	17.73		19.66	
	Current input	A	29.9-28.4-27.4		33.1-31.5-30.3	
COP			3.89		3.89	
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		50~130% of outdoor unit capacity	
	Model / Quantity		P15~P250/2~47		P15~P250/2~50	
Sound pressure level (measured in anechoic room)		dB <A>	63.5		64	
Sound power level (measured in anechoic room)		dB <A>	84.5		85	
Refrigerant piping diameter	Liquid pipe	mm (in.)	15.88 (5/8) Brazed		15.88 (5/8) Brazed	
	Gas pipe	mm (in.)	28.58 (1-1/8) Brazed		28.58 (1-1/8) Brazed	
Set Model						
Model			PUHY-EP250YLM-A (-BS)	PUHY-EP300YLM-A (-BS)	PUHY-EP300YLM-A (-BS)	PUHY-EP300YLM-A (-BS)
FAN	Type x Quantity		Propeller fan x 1	Propeller fan x 1	Propeller fan x 1	Propeller fan x 1
	Air flow rate	m ³ /min	175	200	200	200
		L/s	2,917	3,333	3,333	3,333
		cfm	6,179	7,062	7,062	7,062
	Driving mechanism		Inverter-control, Direct-driven by motor			
	Motor output		0.92 x 1			
External static press.		0 Pa (0 mmH ₂ O)				
Compressor	Type x Quantity		Inverter scroll hermetic compressor			
	Starting method		Inverter		Inverter	
	Motor output		6.9		8.1	
	Case heater		-		-	
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 740	1,710 (1,650 without legs) x 1,220 x 740	1,710 (1,650 without legs) x 1,220 x 740	1,710 (1,650 without legs) x 1,220 x 740
		in.	67-3/8 (65 without legs) x 36-1/4 x 29-3/16	67-3/8 (65 without legs) x 48-1/16 x 29-3/16	67-3/8 (65 without legs) x 48-1/16 x 29-3/16	67-3/8 (65 without legs) x 48-1/16 x 29-3/16
Protection devices	High pressure protection		High pressure sensor, High pressure switch at 4.15 MPa (601 psi)		High pressure sensor, High pressure switch at 4.15 MPa (601 psi)	
	Inverter circuit (COMP./FAN)		Over-heat protection, Over-current protection			
	Compressor		-			
Fan motor		-				
Refrigerant	Type x original charge	R410A x 7.5 kg (17 lbs)	R410A x 10.3 kg (23 lbs)	R410A x 10.3 kg (23 lbs)	R410A x 10.3 kg (23 lbs)	
Net weight	kg (lbs)	208 (459)	252 (556)	252 (556)	252 (556)	
Heat exchanger			Salt-resistant cross fin & aluminium 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	12.7 (1/2) Brazed
	Gas pipe	mm (in.)	22.2 (7/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed
Optional parts			Outdoor Twinning kit: CMY-Y100VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202S-G2 Header: CMY-Y104/108/1010-G		Outdoor Twinning kit: CMY-Y100VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202S-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/24°C WB (95°F DB/75°F WB)	7.5m (24-9/16ft.)	0m (0ft.)
Heating	20°C DB/68°F DB)	7°C DB/6°C WB(45°F DB/43°F WB)	7.5m (24-9/16ft.)	0m (0ft.)

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

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

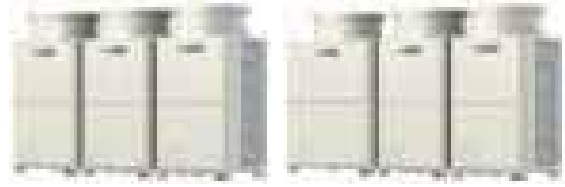
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OUTDOOR UNIT

Y Series - High COP

PUHY-EP YSLM-A(-BS)



► Specifications

Model		PUHY-EP650YSLM-A (-BS)			PUHY-EP700YSLM-A (-BS)			
Power source		3-phase 4-wire 380-400-415 V 50/60 Hz			3-phase 4-wire 380-400-415 V 50/60 Hz			
Cooling capacity (Nominal)	*1 kW	73.0			80.0			
	*1 BTU / h	249,100			273,000			
	Power input kW	18.15			20.15			
	Current input A	30.6-29.1-28.0			34.0-32.3-31.1			
	EER kW / kW	4.02			3.97			
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.	-5.0~52.0°C (23~126°F)			-5.0~52.0°C (23~126°F)			
Heating capacity (Nominal)	*2 kW	81.5			88.0			
	*2 BTU / h	278,100			300,300			
	Power input kW	20.07			21.67			
	Current input A	33.8-32.1-31.0			36.5-34.7-33.4			
	COP kW / kW	4.06			4.06			
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			50~130% of outdoor unit capacity			
	Model / Quantity	P15~P250/2~50			P15~P250/2~50			
Sound pressure level (measured in anechoic room)	dB <A>	63			63.5			
Sound power level (measured in anechoic room)	dB <A>	84.5			85.5			
Refrigerant piping diameter	Liquid pipe mm (in.)	15.88 (5/8) Brazed			19.05 (3/4) Brazed			
	Gas pipe mm (in.)	28.58 (1-1/8) Brazed			34.93 (1-3/8) Brazed			
Set Model								
Model		PUHY-EP200YLM-A (-BS)	PUHY-EP200YLM-A (-BS)	PUHY-EP250YLM-A (-BS)	PUHY-EP200YLM-A (-BS)	PUHY-EP200YLM-A (-BS)	PUHY-EP300YLM-A (-BS)	
FAN	Type x Quantity	Propeller fan x 1		Propeller fan x 1	Propeller fan x 1		Propeller fan x 1	
	Air flow rate	m ³ /min	175		175	175		200
		L/s	2,917		2,917	2,917		3,333
		cfm	6,179		6,179	6,179		7,062
	Driving mechanism	Inverter-control, Direct-driven by motor				Inverter-control, Direct-driven by motor		
	Motor output kW	0.92 x 1		0.92 x 1	0.92 x 1		0.92 x 1	
	*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)	
Compressor	Type x Quantity	Inverter scroll hermetic compressor			Inverter scroll hermetic compressor			
	Starting method	Inverter		Inverter	Inverter		Inverter	
	Motor output kW	5.6		5.6	5.6		8.1	
	Case heater	-		-	-		-	
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 740		1,710 (1,650 without legs) x 920 x 740	1,710 (1,650 without legs) x 920 x 740		1,710 (1,650 without legs) x 1,220 x 740	
		67-3/8 (65 without legs) x 36-1/4 x 29-3/16		67-3/8 (65 without legs) x 36-1/4 x 29-3/16	67-3/8 (65 without legs) x 36-1/4 x 29-3/16		67-3/8 (65 without legs) x 48-1/16 x 29-3/16	
Protection devices	High pressure protection	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)			High pressure sensor, High pressure switch at 4.15 MPa (601 psi)			
	Inverter circuit (COMP/FAN)	Over-heat protection, Over-current protection					Over-heat protection, Over-current protection	
	Compressor	-		-	-		-	
Refrigerant	Type x original charge	R410A x 7.5 kg (17 lbs)		R410A x 7.5 kg (17 lbs)	R410A x 7.5 kg (17 lbs)		R410A x 10.3 kg (23 lbs)	
	Net weight kg (lbs)	208 (459)		208 (459)	208 (459)		252 (556)	
Heat exchanger		Salt-resistant cross fin & aluminium tube			Salt-resistant cross fin & aluminium 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		12.7 (1/2) Brazed	
	Gas pipe mm (in.)	22.2 (7/8) Brazed		22.2 (7/8) Brazed	22.2 (7/8) Brazed		28.58 (1-1/8) Brazed	
Optional parts		Outdoor Twinning kit: CMY-Y300VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202/302S-G2 Header: CMY-Y104/108/1010-G			Outdoor Twinning kit: CMY-Y300VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202/302S-G2 Header: CMY-Y104/108/1010-G			

Notes:

*1,*2 Nominal conditions

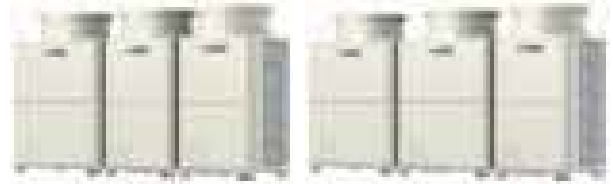
	Indoor	Outdoor	Pipe length	Level difference
Cooling	27°C DB/19°C WB (81°F DB/66°F WB)	35°C DB/24°C WB (95°F DB/75°F WB)	7.5m (24-9/16ft.)	0m (0ft.)
Heating	20°C DB(68°F DB)	7°C DB/6°C WB(45°F DB/43°F WB)	7.5m (24-9/16ft.)	0m (0ft.)

*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 YSLM-A(-BS)



► Specifications

Model			PUHY-EP750YSLM-A (-BS)			PUHY-EP800YSLM-A (-BS)				
Power source			3-phase 4-wire 380-400-415 V 50/60 Hz			3-phase 4-wire 380-400-415 V 50/60 Hz				
Cooling capacity (Nominal)	*1	kW	85.0			90.0				
	*1	BTU / h	290,000			307,100				
		Power input	21.85			23.43				
		Current input	36.8-35.0-33.7			39.5-37.5-36.2				
		EER	3.89			3.84				
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.	-5.0~52.0°C (23~126°F)			-5.0~52.0°C (23~126°F)				
Heating capacity (Nominal)	*2	kW	95.0			100.0				
	*2	BTU / h	324,100			341,200				
		Power input	23.92			25.18				
		Current input	40.3-38.3-36.9			42.5-40.3-38.9				
		COP	3.97			3.97				
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			50~130% of outdoor unit capacity				
	Model / Quantity		P15~P250/2~50			P15~P250/2~50				
Sound pressure level (measured in anechoic room)		dB <A>	64.5			65				
Sound power level (measured in anechoic room)		dB <A>	85.5			86.5				
Refrigerant piping diameter	Liquid pipe		19.05 (3/4) Brazed			19.05 (3/4) Brazed				
	Gas pipe		34.93 (1-3/8) Brazed			34.93 (1-3/8) Brazed				
Set Model										
Model			PUHY-EP200YLM-A (-BS)	PUHY-EP250YLM-A (-BS)	PUHY-EP300YLM-A (-BS)	PUHY-EP200YLM-A (-BS)	PUHY-EP300YLM-A (-BS)	PUHY-EP300YLM-A (-BS)		
FAN	Type x Quantity		Propeller fan x 1	Propeller fan x 1	Propeller fan x 1	Propeller fan x 1	Propeller fan x 1	Propeller fan x 1		
	Air flow rate	m ³ /min	175	175	200	175	200	200		
		L/s	2,917	2,917	3,333	2,917	3,333	3,333		
		cfm	6,179	6,179	7,062	6,179	7,062	7,062		
	Driving mechanism		Inverter-control, Direct-driven by motor			Inverter-control, Direct-driven by motor				
*3	Motor output	kW	0.92 x 1	0.92 x 1	0.92 x 1	0.92 x 1	0.92 x 1	0.92 x 1		
	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				
Compressor	Starting method		Inverter	Inverter	Inverter	Inverter	Inverter	Inverter		
	Motor output	kW	5.6	6.9	8.1	5.6	8.1	8.1		
	Case heater		-			-				
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 740		1,710 (1,650 without legs) x 920 x 740		1,710 (1,650 without legs) x 1,220 x 740		1,710 (1,650 without legs) x 1,220 x 740		
		in.		67-3/8 (65 without legs) x 36-1/4 x 29-3/16		67-3/8 (65 without legs) x 36-1/4 x 29-3/16		67-3/8 (65 without legs) x 48-1/16 x 29-3/16		
Protection devices	High pressure protection		High pressure sensor, High pressure switch at 4.15 MPa (601 psi)			High pressure sensor, High pressure switch at 4.15 MPa (601 psi)				
	Inverter circuit (COMP./FAN)		Over-heat protection, Over-current protection			Over-heat protection, Over-current protection				
	Compressor		-			-				
Fan motor		-			-					
Refrigerant			Type x original charge		R410A x 7.5 kg (17 lbs)	R410A x 7.5 kg (17 lbs)	R410A x 10.3 kg (23 lbs)	R410A x 7.5 kg (17 lbs)	R410A x 10.3 kg (23 lbs)	R410A x 10.3 kg (23 lbs)
Net weight			kg (lbs)		208 (459)	208 (459)	252 (556)	208 (459)	252 (556)	252 (556)
Heat exchanger			Salt-resistant cross fin & aluminium tube			Salt-resistant cross fin & aluminium 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	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	28.58 (1-1/8) Brazed	22.2 (7/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed		
Optional parts			Outdoor Twinning kit: CMY-Y300VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202/302S-G2 Header: CMY-Y104/108/1010-G			Outdoor Twinning kit: CMY-Y300VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202/302S-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/24°C WB (95°F DB/75°F WB)	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.

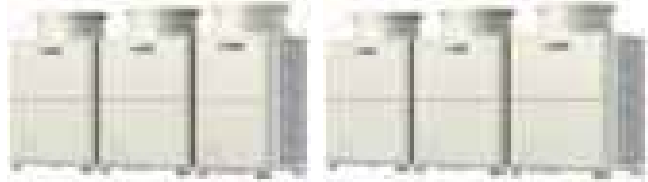
*Due to continuing improvement, above specification may be subject to change without notice.



OUTDOOR UNIT

Y Series - High COP

PUHY-EP YSLM-A(-BS)



► Specifications

Model		PUHY-EP850YSLM-A (-BS)			PUHY-EP900YSLM-A (-BS)			
Power source		3-phase 4-wire 380-400-415 V 50/60 Hz			3-phase 4-wire 380-400-415 V 50/60 Hz			
Cooling capacity (Nominal)	*1 kW	96.0			101.0			
	*1 BTU / h	327,600			344,600			
	Power input kW	25.53			27.22			
	Current input A	43.0-40.9-39.4			45.9-43.6-42.0			
EER	kW / kW	3.76			3.71			
	D.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	-5.0~52.0°C (23~126°F)			-5.0~52.0°C (23~126°F)			
Heating capacity (Nominal)	*2 kW	108.0			113.0			
	*2 BTU / h	368,500			385,600			
	Power input kW	27.76			29.04			
	Current input A	46.8-44.5-42.9			49.0-46.5-44.8			
COP	kW / kW	3.89			3.89			
	D.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~P250/2~50			P15~P250/2~50			
Sound pressure level (measured in anechoic room)	dB <A>	65.5			66			
Sound power level (measured in anechoic room)	dB <A>	86.5			87			
Refrigerant piping diameter	Liquid pipe mm (in.)	19.05 (3/4) Brazed			19.05 (3/4) Brazed			
	Gas pipe mm (in.)	41.28 (1-5/8) Brazed			41.28 (1-5/8) Brazed			
Set Model								
Model		PUHY-EP250YLM-A (-BS)	PUHY-EP300YLM-A (-BS)	PUHY-EP300YLM-A (-BS)	PUHY-EP300YLM-A (-BS)	PUHY-EP300YLM-A (-BS)	PUHY-EP300YLM-A (-BS)	
FAN	Type x Quantity	Propeller fan x 1		Propeller fan x 1	Propeller fan x 1	Propeller fan x 1	Propeller fan x 1	
	Air flow rate	m ³ /min	175	200	200	200	200	200
		L/s	2,917	3,333	3,333	3,333	3,333	3,333
		cfm	6,179	7,062	7,062	7,062	7,062	7,062
	Driving mechanism	Inverter-control, Direct-driven by motor			Inverter-control, Direct-driven by motor			
	Motor output kW	0.92 x 1	0.92 x 1	0.92 x 1	0.92 x 1	0.92 x 1	0.92 x 1	0.92 x 1
*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)	0 Pa (0 mmH ₂ O)	
Compressor	Type x Quantity	Inverter scroll hermetic compressor			Inverter scroll hermetic compressor			
	Starting method	Inverter	Inverter	Inverter	Inverter	Inverter	Inverter	
	Motor output kW	6.9	8.1	8.1	8.1	8.1	8.1	
	Case heater kW	-	-	-	-	-	-	
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 740	1,710 (1,650 without legs) x 1,220 x 740	1,710 (1,650 without legs) x 1,220 x 740	1,710 (1,650 without legs) x 1,220 x 740	1,710 (1,650 without legs) x 1,220 x 740	1,710 (1,650 without legs) x 1,220 x 740	
	in.	67-3/8 (65 without legs) x 36-1/4 x 29-3/16	67-3/8 (65 without legs) x 48-1/16 x 29-3/16	67-3/8 (65 without legs) x 48-1/16 x 29-3/16	67-3/8 (65 without legs) x 48-1/16 x 29-3/16	67-3/8 (65 without legs) x 48-1/16 x 29-3/16	67-3/8 (65 without legs) x 48-1/16 x 29-3/16	
Protection devices	High pressure protection	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)			High pressure sensor, High pressure switch at 4.15 MPa (601 psi)			
	Inverter circuit (COMP./FAN)	Over-heat protection, Over-current protection			Over-heat protection, Over-current protection			
	Compressor	-	-	-	-	-	-	
	Fan motor	-	-	-	-	-	-	
Refrigerant	Type x original charge	R410A x 7.5 kg (17 lbs)	R410A x 10.3 kg (23 lbs)	R410A x 10.3 kg (23 lbs)	R410A x 10.3 kg (23 lbs)	R410A x 10.3 kg (23 lbs)	R410A x 10.3 kg (23 lbs)	
Net weight	kg (lbs)	208 (459)	252 (556)	252 (556)	252 (556)	252 (556)	252 (556)	
Heat exchanger		Salt-resistant cross fin & aluminium tube			Salt-resistant cross fin & aluminium 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	12.7 (1/2) Brazed	12.7 (1/2) Brazed	12.7 (1/2) Brazed	
	Gas pipe mm (in.)	22.2 (7/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	
Optional parts		Outdoor Twinning kit: CMY-Y300VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202/302S-G2 Header: CMY-Y104/108/1010-G			Outdoor Twinning kit: CMY-Y300VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202/302S-G2 Header: CMY-Y104/108/1010-G			

Notes:

*1,*2 Nominal conditions

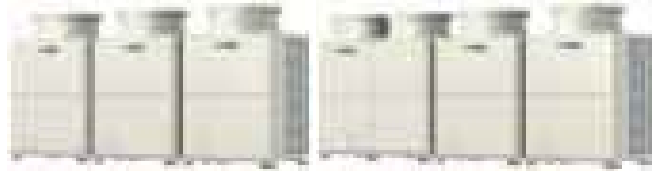
	Indoor	Outdoor	Pipe length	Level difference
Cooling	27°C DB/19°C WB (81°F DB/66°F WB)	35°C DB/24°C WB (95°F DB/75°F WB)	7.5m (24-9/16ft.)	0m (0ft.)
Heating	20°C DB(68°F DB)	7°C DB/6°C WB(45°F DB/43°F WB)	7.5m (24-9/16ft.)	0m (0ft.)

*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 YSLM-A(-BS)



► Specifications

Model		PUHY-EP950YSLM-A (-BS)		PUHY-EP1000YSLM-A (-BS)	
Power source		3-phase 4-wire 380-400-415 V 50/60 Hz		3-phase 4-wire 380-400-415 V 50/60 Hz	
Cooling capacity (Nominal)	*1 kW	108.0		113.0	
	*1 BTU / h	368,500		385,600	
	Power input kW	30.33		31.04	
	Current input A	51.2-48.6-46.8		52.4-49.7-47.9	
EER		kW / kW		3.56	
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.	-5.0~52.0°C (23~126°F)		-5.0~52.0°C (23~126°F)	
Heating capacity (Nominal)	*2 kW	119.5		127.0	
	*2 BTU / h	407,700		433,300	
	Power input kW	32.03		33.50	
	Current input A	54.0-51.3-49.5		56.5-53.7-51.7	
COP		kW / kW		3.73	
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		50~130% of outdoor unit capacity	
	Model / Quantity	P15~P250/2~50		P15~P250/2~50	
Sound pressure level (measured in anechoic room)	dB <A>	66		66.5	
Sound power level (measured in anechoic room)	dB <A>	87		87	
Refrigerant piping diameter	Liquid pipe mm (in.)	19.05 (3/4) Brazed		19.05 (3/4) Brazed	
	Gas pipe mm (in.)	41.28 (1-5/8) Brazed		41.28 (1-5/8) Brazed	

Set Model

Model		PUHY-EP300YLM-A (-BS)	PUHY-EP300YLM-A (-BS)	PUHY-EP350YLM-A (-BS)	PUHY-EP300YLM-A (-BS)	PUHY-EP300YLM-A (-BS)	PUHY-EP400YLM-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	m ³ /min	200		200	200		320
		L/s	3,333		3,333	3,333		5,333
		cfm	7,062		7,062	7,062		11,299
	Driving mechanism	Inverter-control, Direct-driven by motor				Inverter-control, Direct-driven by motor		
*3	Motor output kW	0.92 x 1		0.92 x 1	0.92 x 1		0.92 x 2	
	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)	
	Case heater kW	-		-	-		-	
Compressor	Type x Quantity	Inverter scroll hermetic compressor				Inverter scroll hermetic compressor		
	Starting method	Inverter		Inverter	Inverter		Inverter	
	Motor output kW	8.1		8.1	10.5		10.9	
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 740	1,710 (1,650 without legs) x 1,220 x 740	1,710 (1,650 without legs) x 1,220 x 740	1,710 (1,650 without legs) x 1,220 x 740	1,710 (1,650 without legs) x 1,220 x 740	1,710 (1,650 without legs) x 1,750 x 740	
	in.	67-3/8 (65 without legs) x 48-1/16 x 29-3/16	67-3/8 (65 without legs) x 48-1/16 x 29-3/16	67-3/8 (65 without legs) x 48-1/16 x 29-3/16	67-3/8 (65 without legs) x 48-1/16 x 29-3/16	67-3/8 (65 without legs) x 48-1/16 x 29-3/16	67-3/8 (65 without legs) x 68-15/16 x 29-3/16	
Protection devices	High pressure protection	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)				High pressure sensor, High pressure switch at 4.15 MPa (601 psi)		
	Inverter circuit (COMP./FAN)	Over-heat protection, Over-current protection				Over-heat protection, Over-current protection		
	Compressor Fan motor	-		-	-		-	
Refrigerant	Type x original charge	R410A x 10.3 kg (23 lbs)	R410A x 10.3 kg (23 lbs)	R410A x 10.3 kg (23 lbs)	R410A x 10.3 kg (23 lbs)	R410A x 10.3 kg (23 lbs)	R410A x 11.8 kg (27 lbs)	
Net weight	kg (lbs)	252 (556)	252 (556)	252 (556)	252 (556)	252 (556)	318 (702)	
Heat exchanger		Salt-resistant cross fin & aluminium tube				Salt-resistant cross fin & aluminium tube		
Pipe between unit and distributor	Liquid pipe mm (in.)	12.7 (1/2) Brazed	12.7 (1/2) Brazed	12.7 (1/2) Brazed	12.7 (1/2) Brazed	12.7 (1/2) Brazed	15.88 (5/8) Brazed	
	Gas pipe mm (in.)	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	
Optional parts		Outdoor Twinning kit: CMY-Y300VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202/302S-G2 Header: CMY-Y104/108/1010-G				Outdoor Twinning kit: CMY-Y300VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202/302S-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/24°C WB (95°F DB/75°F WB)	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.

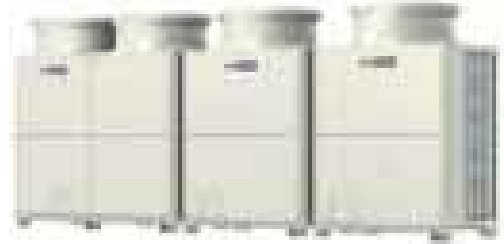
*Due to continuing improvement, above specification may be subject to change without notice.



OUTDOOR UNIT

Y Series - High COP

PUHY-EP YSLM-A(-BS)



► Specifications

Model		PUHY-EP1050YSLM-A (-BS)			PUHY-EP1100YSLM-A (-BS)			
Power source		3-phase 4-wire 380-400-415 V 50/60 Hz			3-phase 4-wire 380-400-415 V 50/60 Hz			
Cooling capacity (Nominal)	*1 kW	118.0			124.0			
	*1 BTU / h	402,600			423,100			
	Power input kW	34.40			38.15			
	Current input A	58.0-55.1-53.1			64.4-61.1-58.9			
	EER kW / kW	3.43			3.25			
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.	-5.0~52.0°C (23~126°F)			-5.0~52.0°C (23~126°F)			
Heating capacity (Nominal)	*2 kW	132.0			140.0			
	*2 BTU / h	450,400			477,700			
	Power input kW	36.87			41.17			
	Current input A	62.2-59.1-56.9			69.5-66.0-63.6			
	COP kW / kW	3.58			3.40			
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			50~130% of outdoor unit capacity			
	Model / Quantity	P15-P250/3-50			P15-P250/3-50			
Sound pressure level (measured in anechoic room)	dB <A>	66.5			66.5			
Sound power level (measured in anechoic room)	dB <A>	87.5			87.5			
Refrigerant piping diameter	Liquid pipe mm (in.)	19.05 (3/4) Brazed			19.05 (3/4) Brazed			
	Gas pipe mm (in.)	41.28 (1-5/8) Brazed			41.28 (1-5/8) Brazed			
Set Model								
Model		PUHY-EP300YLM-A (-BS)	PUHY-EP350YLM-A (-BS)	PUHY-EP400YLM-A (-BS)	PUHY-EP350YLM-A (-BS)	PUHY-EP350YLM-A (-BS)	PUHY-EP400YLM-A (-BS)	
FAN	Type x Quantity	Propeller fan x 1	Propeller fan x 1	Propeller fan x 2	Propeller fan x 1	Propeller fan x 1	Propeller fan x 2	
	Air flow rate	m ³ /min	200	200	320	200	200	320
		L/s	3,333	3,333	5,333	3,333	3,333	5,333
		cfm	7,062	7,062	11,299	7,062	7,062	11,299
	Driving mechanism	Inverter-control, Direct-driven by motor			Inverter-control, Direct-driven by motor			
	Motor output kW	0.92 x 1	0.92 x 1	0.92 x 2	0.92 x 1	0.92 x 1	0.92 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			Inverter scroll hermetic compressor			
	Starting method	Inverter	Inverter	Inverter	Inverter	Inverter	Inverter	
	Motor output kW	8.1	10.5	10.9	10.5	10.5	10.9	
	Case heater kW	-	-	-	-	-	-	
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 740	1,710 (1,650 without legs) x 1,220 x 740	1,710 (1,650 without legs) x 1,750 x 740	1,710 (1,650 without legs) x 1,220 x 740	1,710 (1,650 without legs) x 1,220 x 740	1,710 (1,650 without legs) x 1,750 x 740	
	in.	67-3/8 (65 without legs) x 48-1/16 x 29-3/16	67-3/8 (65 without legs) x 48-1/16 x 29-3/16	67-3/8 (65 without legs) x 68-15/16 x 29-3/16	67-3/8 (65 without legs) x 48-1/16 x 29-3/16	67-3/8 (65 without legs) x 48-1/16 x 29-3/16	67-3/8 (65 without legs) x 68-15/16 x 29-3/16	
Protection devices	High pressure protection	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)			High pressure sensor, High pressure switch at 4.15 MPa (601 psi)			
	Inverter circuit (COMP./FAN)	Over-heat protection, Over-current protection			Over-heat protection, Over-current protection			
	Compressor	-	-	-	-	-	-	
	Fan motor	-	-	-	-	-	-	
Refrigerant	Type x original charge	R410A x 10.3 kg (23 lbs)	R410A x 10.3 kg (23 lbs)	R410A x 11.8 kg (27 lbs)	R410A x 10.3 kg (23 lbs)	R410A x 10.3 kg (23 lbs)	R410A x 11.8 kg (27 lbs)	
Net weight	kg (lbs)	252 (556)	252 (556)	318 (702)	252 (556)	252 (556)	318 (702)	
Heat exchanger	Salt-resistant cross fin & aluminium tube							
Pipe between unit and distributor	Liquid pipe mm (in.)	12.7 (1/2) Brazed	12.7 (1/2) Brazed	15.88 (5/8) Brazed	12.7 (1/2) Brazed	12.7 (1/2) Brazed	15.88 (5/8) Brazed	
	Gas pipe mm (in.)	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	
Optional parts	Outdoor Twinning kit: CMY-Y300VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202/302S-G2 Header: CMY-Y104/108/1010-G			Outdoor Twinning kit: CMY-Y300VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202/302S-G2 Header: CMY-Y104/108/1010-G				

Notes:

*1,*2 Nominal conditions

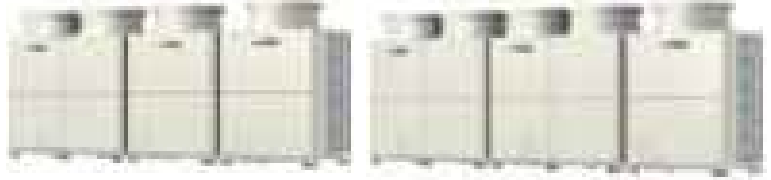
	Indoor	Outdoor	Pipe length	Level difference
Cooling	27°C DB/19°C WB (81°F DB/66°F WB)	35°C DB/24°C WB (95°F DB/75°F WB)	7.5m (24-9/16ft.)	0m (0ft.)
Heating	20°C DB(68°F DB)	7°C DB/6°C WB(45°F DB/43°F WB)	7.5m (24-9/16ft.)	0m (0ft.)

*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 YSLM-A (-BS)



► Specifications

Model		PUHY-EP1150YSLM-A (-BS)			PUHY-EP1200YSLM-A (-BS)			
Power source		3-phase 4-wire 380-400-415 V 50/60 Hz			3-phase 4-wire 380-400-415 V 50/60 Hz			
Cooling capacity (Nominal)	*1 kW	130.0			136.0			
	*1 BTU / h	443,600			464,000			
	Power input kW	41.53			42.76			
	Current input A	70.1-66.6-64.1			72.1-68.5-66.0			
EER		kW / kW			3.13			
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.	-5.0~52.0°C (23~126°F)			-5.0~52.0°C (23~126°F)			
Heating capacity (Nominal)	*2 kW	145.0			150.0			
	*2 BTU / h	494,700			511,800			
	Power input kW	44.47			45.45			
	Current input A	75.0-71.3-68.7			76.7-72.8-70.2			
COP		kW / kW			3.26			
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			50~130% of outdoor unit capacity			
	Model / Quantity	P15~P250/3~50			P15~P250/3~50			
Sound pressure level (measured in anechoic room)	dB <A>	66.5			67			
Sound power level (measured in anechoic room)	dB <A>	87.5			87.5			
Refrigerant piping diameter	Liquid pipe mm (in.)	19.05 (3/4) Brazed			19.05 (3/4) Brazed			
	Gas pipe mm (in.)	41.28 (1-5/8) Brazed			41.28 (1-5/8) Brazed			
Set Model								
Model		PUHY-EP350YLM-A (-BS)	PUHY-EP350YLM-A (-BS)	PUHY-EP450YLM-A (-BS)	PUHY-EP350YLM-A (-BS)	PUHY-EP400YLM-A (-BS)	PUHY-EP450YLM-A (-BS)	
FAN	Type x Quantity	Propeller fan x 1		Propeller fan x 2	Propeller fan x 1		Propeller fan x 2	
	Air flow rate	m ³ /min	200	200	370	200	320	370
		L/s	3,333	3,333	6,167	3,333	5,333	6,167
		cfm	7,062	7,062	13,065	7,062	11,299	13,065
	Driving mechanism	Inverter-control, Direct-driven by motor			Inverter-control, Direct-driven by motor			
Motor output kW	0.92 x 1	0.92 x 1	0.92 x 2	0.92 x 1	0.92 x 2	0.92 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) 0 Pa (0 mmH ₂ O)							
Compressor	Type x Quantity	Inverter scroll hermetic compressor			Inverter scroll hermetic compressor			
	Starting method	Inverter		Inverter	Inverter		Inverter	
	Motor output kW	10.5		10.5	10.5		10.9	
	Case heater kW	-		-	-		-	
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 740	1,710 (1,650 without legs) x 1,220 x 740	1,710 (1,650 without legs) x 1,750 x 740	1,710 (1,650 without legs) x 1,220 x 740	1,710 (1,650 without legs) x 1,750 x 740	1,710 (1,650 without legs) x 1,750 x 740	
	in.	67-3/8 (65 without legs) x 48-1/16 x 29-3/16	67-3/8 (65 without legs) x 48-1/16 x 29-3/16	67-3/8 (65 without legs) x 68-15/16 x 29-3/16	67-3/8 (65 without legs) x 48-1/16 x 29-3/16	67-3/8 (65 without legs) x 68-15/16 x 29-3/16	67-3/8 (65 without legs) x 68-15/16 x 29-3/16	
Protection devices	High pressure protection	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)			High pressure sensor, High pressure switch at 4.15 MPa (601 psi)			
	Inverter circuit (COMP./FAN)	Over-heat protection, Over-current protection			Over-heat protection, Over-current protection			
	Compressor Fan motor	-		-	-		-	
Refrigerant	Type x original charge	R410A x 10.3 kg (23 lbs)	R410A x 10.3 kg (23 lbs)	R410A x 11.8 kg (27 lbs)	R410A x 10.3 kg (23 lbs)	R410A x 11.8 kg (27 lbs)	R410A x 11.8 kg (27 lbs)	
Net weight	kg (lbs)	252 (556)	252 (556)	318 (702)	252 (556)	318 (702)	318 (702)	
Heat exchanger		Salt-resistant cross fin & aluminium tube						
Pipe between unit and distributor	Liquid pipe mm (in.)	12.7 (1/2) Brazed	12.7 (1/2) Brazed	15.88 (5/8) Brazed	12.7 (1/2) Brazed	15.88 (5/8) Brazed	15.88 (5/8) Brazed	
	Gas pipe mm (in.)	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	
Optional parts		Outdoor Twinning kit: CMY-Y300VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202/302S-G2 Header: CMY-Y104/108/1010-G			Outdoor Twinning kit: CMY-Y300VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202/302S-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/24°C WB (95°F DB/75°F WB)	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.)

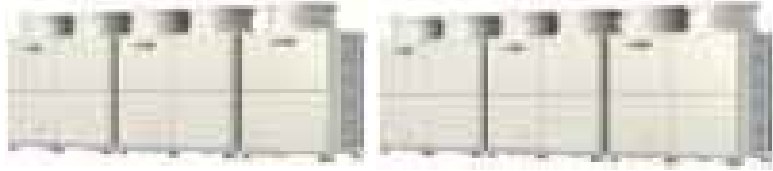
*3 External static pressure option is available (30Pa, 60Pa / 3.1mmH₂O, 6.1mmH₂O).

*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 YSLM-A (-BS)



► Specifications

Model		PUHY-EP1250YSLM-A (-BS)			PUHY-EP1300YSLM-A (-BS)			
Power source		3-phase 4-wire 380-400-415 V 50/60 Hz			3-phase 4-wire 380-400-415 V 50/60 Hz			
Cooling capacity (Nominal)	*1 kW	140.0			146.0			
	*1 BTU / h	477,700			498,200			
	Power input kW	45.90			46.94			
	Current input A	77.4-73.6-70.9			79.2-75.2-72.5			
	EER kW / kW	3.05			3.11			
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.	-5.0~52.0°C (23~126°F)			-5.0~52.0°C (23~126°F)			
Heating capacity (Nominal)	*2 kW	156.5			163.0			
	*2 BTU / h	534,000			556,200			
	Power input kW	49.36			50.62			
	Current input A	83.3-79.1-76.2			85.4-81.1-78.2			
	COP kW / kW	3.17			3.22			
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			50~130% of outdoor unit capacity			
	Model / Quantity	P15-P250/3-50			P15-P250/3-50			
Sound pressure level (measured in anechoic room)	dB <A>	67.5			68			
Sound power level (measured in anechoic room)	dB <A>	88			88			
Refrigerant piping diameter	Liquid pipe mm (in.)	19.05 (3/4) Brazed			19.05 (3/4) Brazed			
	Gas pipe mm (in.)	41.28 (1-5/8) Brazed			41.28 (1-5/8) Brazed			
Set Model								
Model		PUHY-EP350YLM-A (-BS)	PUHY-EP450YLM-A (-BS)	PUHY-EP450YLM-A (-BS)	PUHY-EP400YLM-A (-BS)	PUHY-EP450YLM-A (-BS)	PUHY-EP450YLM-A (-BS)	
FAN	Type x Quantity	Propeller fan x 1	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2	
	Air flow rate	m ³ /min	200	370	370	320	370	370
		L/s	3,333	6,167	6,167	5,333	6,167	6,167
		cfm	7,062	13,065	13,065	11,299	13,065	13,065
	Driving mechanism	Inverter-control, Direct-driven by motor			Inverter-control, Direct-driven by motor			
	Motor output kW	0.92 x 1	0.92 x 2	0.92 x 2	0.92 x 2	0.92 x 2	0.92 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			Inverter scroll hermetic compressor			
	Starting method	Inverter	Inverter	Inverter	Inverter	Inverter	Inverter	
	Motor output kW	10.5	12.4	12.4	10.9	12.4	12.4	
	Case heater kW	-	-	-	-	-	-	
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 740	1,710 (1,650 without legs) x 1,750 x 740	1,710 (1,650 without legs) x 1,750 x 740	1,710 (1,650 without legs) x 1,750 x 740	1,710 (1,650 without legs) x 1,750 x 740	1,710 (1,650 without legs) x 1,750 x 740	
	in.	67-3/8 (65 without legs) x 48-1/16 x 29-3/16	67-3/8 (65 without legs) x 68-15/16 x 29-3/16	67-3/8 (65 without legs) x 68-15/16 x 29-3/16	67-3/8 (65 without legs) x 68-15/16 x 29-3/16	67-3/8 (65 without legs) x 68-15/16 x 29-3/16	67-3/8 (65 without legs) x 68-15/16 x 29-3/16	
Protection devices	High pressure protection	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)			High pressure sensor, High pressure switch at 4.15 MPa (601 psi)			
	Inverter circuit (COMP./FAN)	Over-heat protection, Over-current protection			Over-heat protection, Over-current protection			
	Compressor	-	-	-	-	-	-	
	Fan motor	-	-	-	-	-	-	
Refrigerant	Type x original charge	R410A x 10.3 kg (23 lbs)	R410A x 11.8 kg (27 lbs)	R410A x 11.8 kg (27 lbs)	R410A x 11.8 kg (27 lbs)	R410A x 11.8 kg (27 lbs)	R410A x 11.8 kg (27 lbs)	
Net weight	kg (lbs)	252 (556)	318 (702)	318 (702)	318 (702)	318 (702)	318 (702)	
Heat exchanger	Salt-resistant cross fin & aluminium tube							
Pipe between unit and distributor	Liquid pipe mm (in.)	12.7 (1/2) Brazed	15.88 (5/8) Brazed	15.88 (5/8) Brazed	15.88 (5/8) Brazed	15.88 (5/8) Brazed	15.88 (5/8) Brazed	
	Gas pipe mm (in.)	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	
Optional parts	Outdoor Twinning kit: CMY-Y300VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202/302S-G2 Header: CMY-Y104/108/1010-G			Outdoor Twinning kit: CMY-Y300VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202/302S-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/24°C WB (95°F DB/75°F WB)	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 YSLM-A(-BS)



► Specifications

Model		PUHY-EP1350YSLM-A (-BS)			
Power source		3-phase 4-wire 380-400-415 V 50/60 Hz			
Cooling capacity (Nominal)	*1 kW	150.0			
	*1 BTU / h	511,800			
Power input	kW	50.00			
	A	84.4-80.1-77.2			
	EER	kW / kW			
		3.00			
Temp. range of cooling	Indoor	W.B.			
	Outdoor	D.B.			
Heating capacity (Nominal)	*2 kW	168.0			
	*2 BTU / h	573,200			
Power input	kW	54.36			
	A	91.7-87.1-84.0			
	COP	kW / kW			
		3.09			
Temp. range of heating	Indoor	D.B.			
	Outdoor	W.B.			
Indoor unit connectable	Total capacity	50~130% of outdoor unit capacity			
	Model / Quantity	P15~P250/3~50			
Sound pressure level (measured in anechoic room)	dB <A>	68			
Sound power level (measured in anechoic room)	dB <A>	88			
Refrigerant piping diameter	Liquid pipe	mm (in.)			
	Gas pipe	mm (in.)			
		19.05 (3/4) Brazed			
		41.28 (1-5/8) Brazed			
Set Model					
Model		PUHY-EP450YLM-A (-BS)	PUHY-EP450YLM-A (-BS)	PUHY-EP450YLM-A (-BS)	
FAN	Type x Quantity	Propeller fan x 2			
	Air flow rate	m ³ /min	370		
		L/s	6,167		
		cfm	13,065		
	Driving mechanism	Inverter-control, Direct-driven by motor			
	Motor output	kW	0.92 x 2		
*3 External static press.		0 Pa (0 mmH ₂ O)			
Compressor	Type x Quantity	Inverter scroll hermetic compressor			
	Starting method	Inverter			
	Motor output	kW	12.4		
	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 1,750 x 740	1,710 (1,650 without legs) x 1,750 x 740	1,710 (1,650 without legs) x 1,750 x 740	
	in.	67-3/8 (65 without legs) x 68-15/16 x 29-3/16	67-3/8 (65 without legs) x 68-15/16 x 29-3/16	67-3/8 (65 without legs) x 68-15/16 x 29-3/16	
Protection devices	High pressure protection	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)			
	Inverter circuit (COMP/FAN)	Over-heat protection, Over-current protection			
	Compressor	-			
	Fan motor	-			
Refrigerant	Type x original charge	R410A x 11.8 kg (27 lbs)			
Net weight	kg (lbs)	318 (702)			
Heat exchanger		Salt-resistant cross fin & aluminium tube			
Pipe between unit and distributor	Liquid pipe	mm (in.)			
	Gas pipe	mm (in.)			
		15.88 (5/8) Brazed			
		28.58 (1-1/8) Brazed			
Optional parts		Outdoor Twinning kit: CMY-Y300VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202/302S-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/24°C WB (95°F DB/75°F WB)	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.

