

AIR CONDITIONING SYSTEMS

CITY MULTI



CM15TKA

The New Heat pump Models

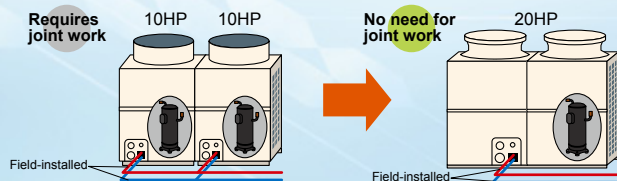
Mitsubishi Electric offers a wide lineup of new heat pump models with the maximum capacity of 60 HP*. Different patterns of combinations of basic modules provide either standard or high COP.

*Applicable to standard model combinations only

New features

Single module up to 20 HP

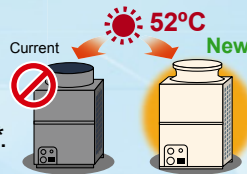
Capable of covering up to 20 HP with a single module and a single compressor. Reduced piping work.



Compatibility to outdoor temperature of up to 52°C*1

Capable of running cooling operations in the outdoor temperature of up to 52°C*.

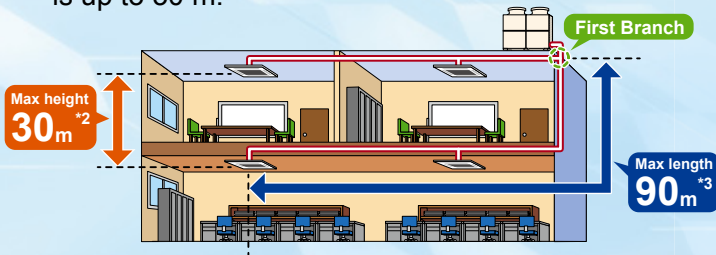
*Compared to 46°C of the older model



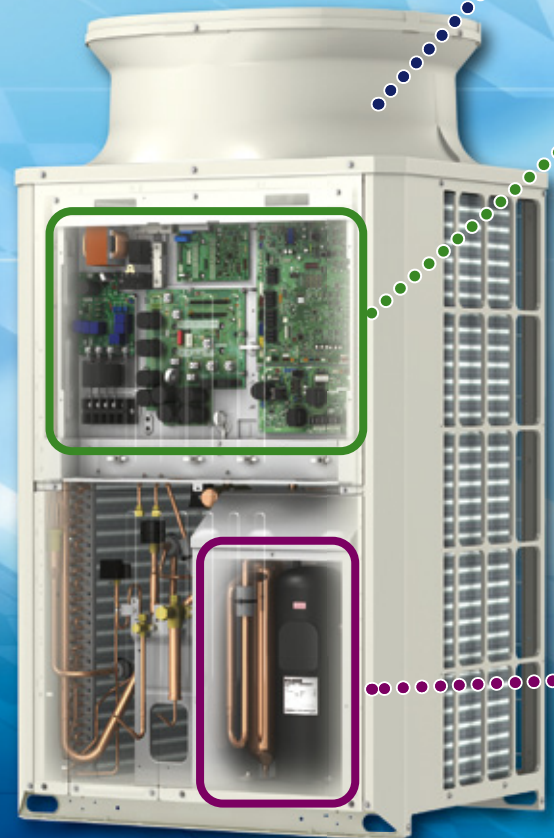
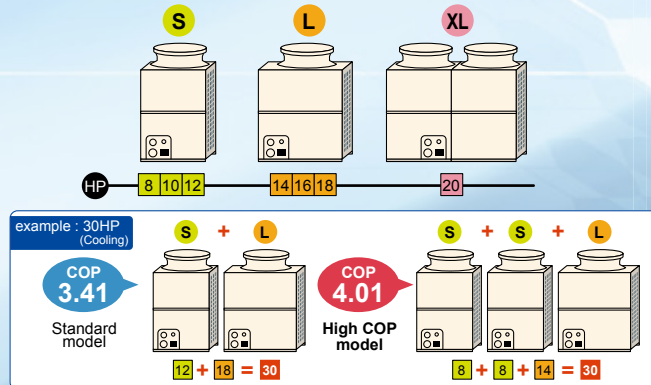
All modules feature inverter-driven compressors. Maximum combined horse power: 60 HP

Increase in the limit of piping length

Farthest indoor from first branch: 90 m
Height difference between indoor and indoor units is up to 30 m.



Standard or high COP options are available by different combinations of modules.



*1 : Any continuous operation over 46°C may require an increased frequency of maintenance.
*2 : When the height difference is 15m or greater, use the one size larger liquid pipe between the indoor unit and the indoor unit.
*3 : When the piping length is 40m or longer, use the one size larger liquid pipe between the indoor unit and the first branch.

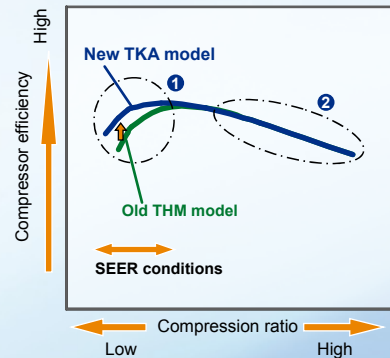
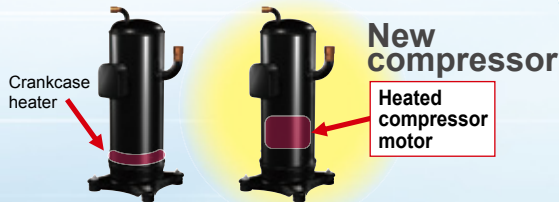
Energy saving

Compressor

- Improved efficiency by the use of DC brushless motor.
- Improved partial-load characteristics achieved by the optimized scroll shape.

Improved SEER performance

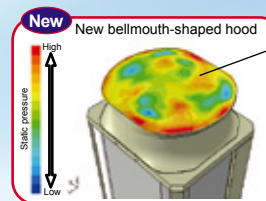
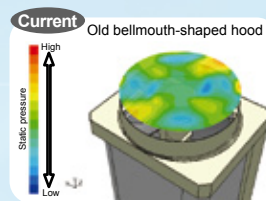
Optimized scroll shape (improved volumetric capacity ratio)



- Reduced standby power consumption by heating the compressor instead of a crankcase heater.

Unit casing

- Improved static pressure at the exhaust air outlet that allows for a reduction in fan input power by the changed shape of the bellmouth hood.

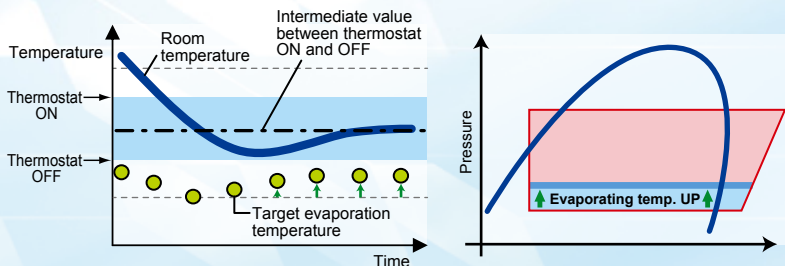


The new bellmouth-shaped hood achieves reduction in fan rotation and increases the pressure at the hood outlet compared to that of the old one, resulting in reduced input power to the fan.

Control

- ET control (Evaporating Temperature control)

Reduced energy consumption in cooling by controlling the refrigerant temperature according to the operation load and raising evaporating temperature.



Current control method

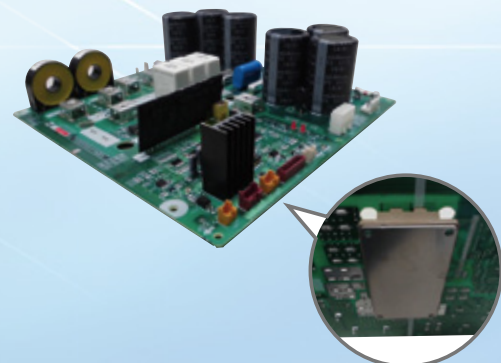
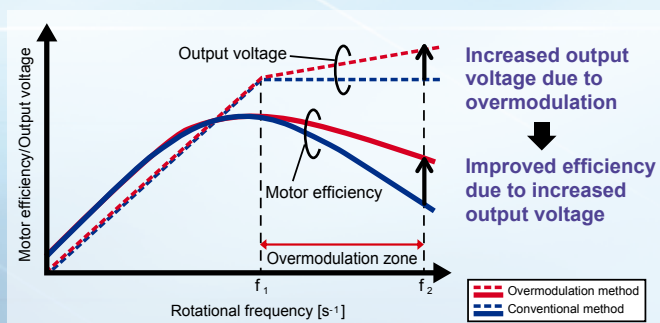
Evaporating temperature was kept constant.

New control method

Evaporating temperature is raised according to the operation load, decreasing compressor input power and increasing operation efficiency.

- Original PWM overmodulation control

Improved total efficiency of motor and inverter with the use of our original PWM overmodulation control, increasing the output voltage during high-load operation (when the motor is rotating at high speed).



Lineup



Standard Models

HP	8	10	12	14	16	18	20	22	24
Capacity	P200	P250	P300	P350	P400	P450	P500	P550	P600
Combination	Single module	Single module	Single module	Single module	Single module	Single module	Single module	P250 + P300	P250 + P350

HP	26	28	30	32	34	36	38	40	42
Capacity	P650	P700	P750	P800	P850	P900	P950	P1000	P1050
Combination	P250 + P400	P250 + P450	P300 + P450	P400 + P400	P400 + P450	P450 + P450	P450 + P500	P500 + P500	P300 + P300 + P450

HP	44	46	48	50	52	54	56	58	60
Capacity	P1100	P1150	P1200	P1250	P1300	P1350	P1400	P1450	P1500
Combination	P300 + P350 + P450	P350 + P400 + P400	P400 + P400 + P400	P400 + P400 + P450	P400 + P450 + P450	P450 + P450 + P450	P450 + P450 + P500	P450 + P500 + P500	P500 + P500 + P500

High COP Models

HP	16	18	20	26	28	30	32	34	36
Capacity	EP400	EP450	EP500	EP650	EP700	EP750	EP800	EP850	EP900
Combination	P200 + P200	P200 + P250	P250 + P250	P300 + P350	P350 + P350	P200 + P200 + P350	P200 + P250 + P350	P250 + P250 + P350	P250 + P300 + P350

HP	38	40	42	44
Capacity	EP950	EP1000	EP1050	EP1100
Combination	P300 + P300 + P350	P300 + P350 + P350	P350 + P350 + P350	P350 + P350 + P400

Specifications

OUTDOOR UNIT Y Series PUHY-P TKA(-BS)

NEW



Model	PUHY-P200TKA (-BS)		PUHY-P250TKA (-BS)		PUHY-P300TKA (-BS)		PUHY-P350TKA (-BS)	
Power source	3-phase 3-wire 208-220-230 V 50/60 Hz		3-phase 3-wire 208-220-230 V 50/60 Hz		3-phase 3-wire 208-220-230 V 50/60 Hz		3-phase 3-wire 208-220-230 V 50/60 Hz	
Cooling capacity (Nominal)	*1	kW	22.4	28.0	33.5	40.0		
		kcal / h	20,000	25,000	30,000	35,000		
	*1	BTU / h	76,400	95,500	114,300	136,500		
		Power input	kW	5.19	6.89	8.86	11.69	
		Current input	A	16.0-15.1-14.4	21.2-20.0-19.2	27.3-25.8-24.7	36.0-34.0-32.6	
EER	kW / kW	4.31	4.06	3.78	3.42			
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	22.4	28.0	33.5	40.0		
		kcal / h	20,000	25,000	30,000	35,000		
	*2	BTU / h	76,400	95,500	114,300	136,500		
		Power input	kW	5.05	6.33	8.11	9.61	
		Current input	A	15.5-14.7-14.0	19.5-18.4-17.6	25.0-23.6-22.6	29.6-28.0-26.8	
COP	kW / kW	4.43	4.42	4.13	4.16			
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		
	Model / Quantity	P15~P250/1~17		P15~P250/1~21		P15~P250/1~26		
Sound pressure level (measured in anechoic room)	dB <A>	57		58		61		
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)		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	
FAN	Type x Quantity	Propeller fan x 1		Propeller fan x 1		Propeller fan x 1		
	Air flow rate	m ³ /min	175		175		185	
		L/s	2,917		2,917		3,083	
		cfm	6,179		6,179		6,532	
		Control, 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)	
Type		MITSUBISHI ELECTRIC Inverter scroll hermetic compressor		MITSUBISHI ELECTRIC Inverter scroll hermetic compressor		MITSUBISHI ELECTRIC Inverter scroll hermetic compressor		
Compressor	Starting method	Inverter		Inverter		Inverter		
	Motor output	kW	5.5		6.9		8.1	
	Case heater	kW	-		-		10.4	
External finish	Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>		Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>		Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>		Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>	
External dimension H x W x D	mm	1,650 x 920 x 740		1,650 x 920 x 740		1,650 x 920 x 740		
	in.	65 x 36-1/4 x 29-3/16		65 x 36-1/4 x 29-3/16		65 x 36-1/4 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		
Refrigerant	Type x original charge	R410A x 8.0 kg (18 lbs)		R410A x 8.0 kg (18 lbs)		R410A x 8.0 kg (18 lbs)		
Net weight	kg (lbs)	193 (426)		193 (426)		209 (461)		
Heat exchanger	Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube		Salt-resistant cross fin & aluminium tube		Salt-resistant cross fin & copper 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		Joint: CMY-Y102SS/LSG2, 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(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 B8615-2.

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

OUTDOOR UNIT

Y Series

PUHY-P TKA(-BS)

NEW



Model	PUHY-P400TKA (-BS)		PUHY-P450TKA (-BS)		PUHY-P500TKA (-BS)	
Power source	3-phase 3-wire 208-220-230 V 50/60 Hz		3-phase 3-wire 208-220-230 V 50/60 Hz		3-phase 3-wire 208-220-230 V 50/60 Hz	
Cooling capacity (Nominal)	*1	kW	45.0	48.0	55.0	
		kcal / h	40,000	43,000	49,100	
	*1	BTU / h	153,500	163,800	187,700	
		Power input	kW	13.55	15.78	18.39
	Current input	A	41.7-39.5-37.7	48.6-46.0-44.0	56.7-53.6-51.2	
EER	kW / kW	3.32	3.04	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)	
	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	45.0	48.0	55.0	
		kcal / h	40,000	43,000	49,100	
	*2	BTU / h	153,500	163,800	187,700	
		Power input	kW	10.92	13.33	15.71
	Current input	A	33.6-31.8-30.4	41.1-38.8-37.1	48.4-45.8-43.8	
COP	kW / kW	4.12	3.60	3.50		
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		
	Model / Quantity	P15~P250/1~34		P15~P250/1~39		
Sound pressure level (measured in anechoic room)	dB <A>	63		65		
Refrigerant piping diameter	Liquid pipe	mm (in.)	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	
FAN	Type x Quantity	Propeller fan x 1		Propeller fan x 1		
	Air flow rate	m ³ /min	210	210	360	
		L/s	3,500	3,500	6,000	
		cfm	7,415	7,415	12,712	
	Control, Driving mechanism	Inverter-control, Direct-driven by motor		Inverter-control, Direct-driven by motor		
	*3 External static press.	Motor output	kW	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)		
Compressor	Type	MITSUBISHI ELECTRIC Inverter scroll hermetic compressor		MITSUBISHI ELECTRIC Inverter scroll hermetic compressor		
	Starting method	Inverter		Inverter		
	Motor output	kW	10.8	12.4	13.3	
	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 H x W x D	mm	1,650 x 1,220 x 740		1,650 x 1,220 x 740		
		in.	65 x 48-1/16 x 29-3/16		65 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		
Refrigerant	Type x original charge	R410A x 11.5 kg (26 lbs)		R410A x 11.5 kg (26 lbs)		
Net weight	kg (lbs)	244 (538)		287 (633)		
Heat exchanger	Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper 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	

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 B8615-2.

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

OUTDOOR UNIT

Y Series

PUHY-P TSKA(-BS)

NEW



Model		PUHY-P550TSKA (-BS)		PUHY-P600TSKA (-BS)		PUHY-P650TSKA (-BS)		
Power source		3-phase 3-wire 208-220-230 V 50/60 Hz		3-phase 3-wire 208-220-230 V 50/60 Hz		3-phase 3-wire 208-220-230 V 50/60 Hz		
Cooling capacity (Nominal)	*1	kW	63.0	68.0	73.0			
		kcal / h	55,000	60,000	65,000			
	*1	BTU / h	215,000	232,000	249,100			
		Power input kW	16.07	18.18	19.78			
		Current input A	49.5-46.8-44.8	56.0-53.0-50.7	61.0-57.6-55.1			
	EER	kW / kW	3.92	3.74	3.69			
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	63.0	68.0	73.0			
		kcal / h	55,000	60,000	65,000			
	*2	BTU / h	215,000	232,000	249,100			
		Power input kW	15.51	16.70	18.02			
		Current input A	47.8-45.2-43.2	51.5-48.6-46.5	55.5-52.5-50.2			
	COP	kW / kW	4.06	4.07	4.05			
Temp. range of heating	Indoor	D.B.	15.0~27.0°C (59~81°F)	15.0~27.0°C (59~81°F)	15.0~27.0°C (59~81°F)			
	Outdoor	W.B.	-20.0~15.5°C (-4~60°F)	-20.0~15.5°C (-4~60°F)	-20.0~15.5°C (-4~60°F)			
Indoor unit connectable	Total capacity		50~130% of outdoor unit capacity	50~130% of outdoor unit capacity	50~130% of outdoor unit capacity			
	Model / Quantity		P15~P250/2~47	P15~P250/2~50	P15~P250/2~50			
Sound pressure level (measured in anechoic room)		dB <A>	63	63	64.5			
Refrigerant piping diameter	Liquid pipe	mm (in.)	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			
Set Model								
Model		PUHY-P250TKA (-BS)	PUHY-P300TKA (-BS)	PUHY-P250TKA (-BS)	PUHY-P350TKA (-BS)	PUHY-P250TKA (-BS)	PUHY-P400TKA (-BS)	
FAN	Type x Quantity	Propeller fan x 1		Propeller fan x 1		Propeller fan x 1		
	Air flow rate	m ³ /min	175	185	175	210	175	210
		L/s	2,917	3,083	2,917	3,500	2,917	3,500
		cfm	6,179	6,532	6,179	7,415	6,179	7,415
	Control, Driving mechanism	Inverter-control, Direct-driven by motor		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)	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	MITSUBISHI ELECTRIC Inverter scroll hermetic compressor		MITSUBISHI ELECTRIC Inverter scroll hermetic compressor		MITSUBISHI ELECTRIC Inverter scroll hermetic compressor		
	Starting method	Inverter	Inverter	Inverter	Inverter	Inverter	Inverter	
	Motor output kW	6.9	8.1	6.9	10.4	6.9	10.8	
	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 H x W x D	mm	1,650 x 920 x 740	1,650 x 920 x 740	1,650 x 920 x 740	1,650 x 1,220 x 740	1,650 x 920 x 740	1,650 x 1,220 x 740	
	in.	65 x 36-1/4 x 29-3/16	65 x 36-1/4 x 29-3/16	65 x 36-1/4 x 29-3/16	65 x 48-1/16 x 29-3/16	65 x 36-1/4 x 29-3/16	65 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		
Refrigerant	Type x original charge	R410A x 8.0 kg (18 lbs)	R410A x 8.0 kg (18 lbs)	R410A x 8.0 kg (18 lbs)	R410A x 11.5 kg (26 lbs)	R410A x 8.0 kg (18 lbs)	R410A x 11.5 kg (26 lbs)	
Net weight	kg (lbs)	193 (426)	209 (461)	193 (426)	244 (538)	193 (426)	244 (538)	
Heat exchanger		Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube		
Pipe between unit and distributor	Liquid pipe	mm (in.)	9.52 (3/8) Brazed	12.7 (1/2) Brazed	9.52 (3/8) Brazed	12.7 (1/2) Brazed	9.52 (3/8) 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	22.2 (7/8) Brazed	
Optional parts		Outdoor Twinning kit: CMY-Y100VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010-G		Outdoor Twinning kit: CMY-Y100VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010-G		Outdoor Twinning kit: CMY-Y100VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202S/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(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 B8615-2.

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

OUTDOOR UNIT

Y Series

PUHY-P TSKA(-BS)



Model	PUHY-P700TSKA (-BS)		PUHY-P750TSKA (-BS)		PUHY-P800TSKA (-BS)		
Power source	3-phase 3-wire 208-220-230 V 50/60 Hz		3-phase 3-wire 208-220-230 V 50/60 Hz		3-phase 3-wire 208-220-230 V 50/60 Hz		
Cooling capacity (Nominal)	*1	kW	76.0	81.5	90.0		
		kcal / h	68,000	73,000	80,000		
	*1	BTU / h	259,300	278,100	307,100		
		Power input	kW	21.40	23.90	27.10	
		Current input	A	66.0-62.4-59.6	73.7-69.6-66.6	83.5-79.0-75.5	
EER	kW / kW	3.55	3.41	3.32			
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	76.0	81.5	90.0		
		kcal / h	68,000	73,000	80,000		
	*2	BTU / h	259,300	278,100	307,100		
		Power input	kW	20.00	22.20	23.01	
		Current input	A	61.6-58.3-55.7	68.4-64.7-61.9	70.9-67.0-64.1	
COP	kW / kW	3.80	3.67	3.91			
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~P250/2~50		P15~P250/2~50		P15~P250/2~50	
Sound pressure level (measured in anechoic room)	dB <A>	64.5		65.5		66	
Refrigerant piping diameter	Liquid pipe	mm (in.)	19.05 (3/4) Brazed	19.05 (3/4) Brazed	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	34.93 (1-3/8) Brazed	34.93 (1-3/8) Brazed	

Set Model

Model	PUHY-P250TKA (-BS)		PUHY-P450TKA (-BS)		PUHY-P300TKA (-BS)		PUHY-P450TKA (-BS)		PUHY-P400TKA (-BS)		PUHY-P400TKA (-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	210	185	210	210	210	210	210	210	210	210
		L/s	2,917	3,500	3,083	3,500	3,500	3,500	3,500	3,500	3,500	3,500	
		cfm	6,179	7,415	6,532	7,415	7,415	7,415	7,415	7,415	7,415	7,415	
	Control, 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		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	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)	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)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	
Compressor	Type	MITSUBISHI ELECTRIC Inverter scroll hermetic compressor		MITSUBISHI ELECTRIC Inverter scroll hermetic compressor		MITSUBISHI ELECTRIC Inverter scroll hermetic compressor		MITSUBISHI ELECTRIC Inverter scroll hermetic compressor		MITSUBISHI ELECTRIC Inverter scroll hermetic compressor		MITSUBISHI ELECTRIC Inverter scroll hermetic compressor	
	Starting method	Inverter		Inverter		Inverter		Inverter		Inverter		Inverter	
	Motor output	kW	6.9	12.4	8.1	12.4	10.8	10.8	10.8	10.8	10.8	10.8	
	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>		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 H x W x D	mm	1,650 x 920 x 740	1,650 x 1,220 x 740	1,650 x 920 x 740	1,650 x 1,220 x 740	1,650 x 1,220 x 740	1,650 x 1,220 x 740	1,650 x 1,220 x 740	1,650 x 1,220 x 740	1,650 x 1,220 x 740	1,650 x 1,220 x 740	1,650 x 1,220 x 740	
	in.	65 x 36-1/4 x 29-3/16	65 x 48-1/16 x 29-3/16	65 x 36-1/4 x 29-3/16	65 x 48-1/16 x 29-3/16	65 x 48-1/16 x 29-3/16	65 x 48-1/16 x 29-3/16	65 x 48-1/16 x 29-3/16	65 x 48-1/16 x 29-3/16	65 x 48-1/16 x 29-3/16	65 x 48-1/16 x 29-3/16	65 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)		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		Over-heat protection, Over-current protection		Over-heat protection, Over-current protection	
Refrigerant	Type x original charge	R410A x 8.0 kg (18 lbs)	R410A x 11.5 kg (26 lbs)	R410A x 8.0 kg (18 lbs)	R410A x 11.5 kg (26 lbs)	R410A x 8.0 kg (18 lbs)	R410A x 11.5 kg (26 lbs)	R410A x 8.0 kg (18 lbs)	R410A x 11.5 kg (26 lbs)	R410A x 8.0 kg (18 lbs)	R410A x 11.5 kg (26 lbs)	R410A x 8.0 kg (18 lbs)	R410A x 11.5 kg (26 lbs)
Net weight	kg (lbs)	193 (426)	244 (538)	209 (461)	244 (538)	244 (538)	244 (538)	244 (538)	244 (538)	244 (538)	244 (538)	244 (538)	
Heat exchanger		Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube		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	15.88 (5/8) Brazed	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	15.88 (5/8) Brazed	15.88 (5/8) Brazed	
	Gas pipe	mm (in.)	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	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-Y200VBK2 Joint: CMY-Y102SS/LS-G2, CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010-G		Outdoor Twinning kit: CMY-Y200VBK2 Joint: CMY-Y102SS/LS-G2, CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010-G		Outdoor Twinning kit: CMY-Y200VBK2 Joint: CMY-Y102SS/LS-G2, CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010-G		Outdoor Twinning kit: CMY-Y200VBK2 Joint: CMY-Y102SS/LS-G2, CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010-G		Outdoor Twinning kit: CMY-Y200VBK2 Joint: CMY-Y102SS/LS-G2, CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010-G		Outdoor Twinning kit: CMY-Y200VBK2 Joint: CMY-Y102SS/LS-G2, CMY-Y202S/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(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 B8615-2.

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

OUTDOOR UNIT

Y Series

PUHY-P TSKA(-BS)



Model			PUHY-P850TSKA (-BS)		PUHY-P900TSKA (-BS)		
Power source			3-phase 3-wire 208-220-230 V 50/60 Hz		3-phase 3-wire 208-220-230 V 50/60 Hz		
Cooling capacity (Nominal)	*1	kW	93.0		96.0		
		kcal / h	83,000		86,000		
	*1	BTU / h	317,300		327,600		
		Power input	kW	29.24		31.57	
		Current input	A	90.1-85.2-81.5		97.3-92.0-88.0	
EER	kW / kW	3.18		3.04			
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	93.0		96.0		
		kcal / h	83,000		86,000		
	*2	BTU / h	317,300		327,600		
		Power input	kW	25.40		28.07	
		Current input	A	78.3-74.0-70.8		86.5-81.8-78.2	
COP	kW / kW	3.66		3.42			
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		
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-P400TKA (-BS)		PUHY-P450TKA (-BS)		
FAN	Type x Quantity		Propeller fan x 1		Propeller fan x 1		
	Air flow rate	m ³ /min	210		210		
		L/s	3,500		3,500		
		cfm	7,415		7,415		
	Control, 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		
	External static press.		0 Pa (0 mmH ₂ O)		0 Pa (0 mmH ₂ O)		
	Compressor		MITSUBISHI ELECTRIC Inverter scroll hermetic compressor		MITSUBISHI ELECTRIC Inverter scroll hermetic compressor		
Compressor	Type		Inverter		Inverter		
	Starting method		Inverter		Inverter		
	Motor output	kW	10.8		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 H x W x D	mm		1,650 x 1,220 x 740		1,650 x 1,220 x 740		
	in.		65 x 48-1/16 x 29-3/16		65 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		
Refrigerant	Type x original charge		R410A x 11.5 kg (26 lbs)		R410A x 11.5 kg (26 lbs)		
Net weight	kg (lbs)		244 (538)		244 (538)		
Heat exchanger			Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube		
Pipe between unit and distributor	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		
Optional parts			Outdoor Twinning kit: CMY-Y200VBK2 Joint: CMY-Y102SS/LS-G2, CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010-G		Outdoor Twinning kit: CMY-Y200VBK2 Joint: CMY-Y102SS/LS-G2, CMY-Y202S/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(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 B8615-2.

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

OUTDOOR UNIT

Y Series

PUHY-P TSKA(-BS)

NEW



Model			PUHY-P950TSKA (-BS)		PUHY-P1000TSKA (-BS)			
Power source			3-phase 3-wire 208-220-230 V 50/60 Hz		3-phase 3-wire 208-220-230 V 50/60 Hz			
Cooling capacity (Nominal)	*1	kW	103.0		110.0			
		kcal / h	92,100		98,200			
	*1	BTU / h	351,400		375,300			
		Power input kW	34.21		36.78			
		Current input A	105.5-99.7-95.4		113.4-107.2-102.5			
	EER	kW / kW	3.01		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)			
	Outdoor	D.B.	-5.0~52.0°C (23~126°F)		-5.0~52.0°C (23~126°F)			
Heating capacity (Nominal)	*2	kW	103.0		110.0			
		kcal / h	92,100		98,200			
	*2	BTU / h	351,400		375,300			
		Power input kW	30.56		33.13			
		Current input A	94.2-89.1-85.2		102.1-96.6-92.4			
	COP	kW / kW	3.37		3.32			
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>	67.5		68			
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-P450TKA (-BS)		PUHY-P500TKA (-BS)			
FAN	Type x Quantity	Propeller fan x 1		Propeller fan x 2		Propeller fan x 2		
	Air flow rate	m ³ /min	210		360		360	
		L/s	3,500		6,000		6,000	
		cfm	7,415		12,712		12,712	
	Control, Driving mechanism	Inverter-control, Direct-driven by motor		Inverter-control, Direct-driven by motor		Inverter-control, Direct-driven by motor		
*3	Motor output	kW	0.92 x 1		0.92 x 2		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)		
Compressor	Type	MITSUBISHI ELECTRIC Inverter scroll hermetic compressor		MITSUBISHI ELECTRIC Inverter scroll hermetic compressor		MITSUBISHI ELECTRIC Inverter scroll hermetic compressor		
	Starting method	Inverter		Inverter		Inverter		
	Motor output	kW	12.4		13.3		13.3	
	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>		Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>	
External dimension H x W x D	mm	1,650 x 1,220 x 740		1,650 x 1,750 x 740		1,650 x 1,750 x 740		
	in.	65 x 48-1/16 x 29-3/16		65 x 68-15/16 x 29-3/16		65 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)		
	Inverter circuit (COMP./FAN)	Over-heat protection, Over-current protection		Over-heat protection, Over-current protection		Over-heat protection, Over-current protection		
Refrigerant	Type x original charge	R410A x 11.5 kg (26 lbs)		R410A x 11.8 kg (27 lbs)		R410A x 11.8 kg (27 lbs)		
Net weight		kg (lbs)	244 (538)		287 (633)		287 (633)	
Heat exchanger	Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube	
Pipe between unit and distributor	Liquid pipe	mm (in.)	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	
Optional parts	Outdoor Twinning kit: CMY-Y200VBK2 Joint: CMY-Y102SS/LS-G2, CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010-G		Outdoor Twinning kit: CMY-Y200VBK2 Joint: CMY-Y102SS/LS-G2, CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010-G		Outdoor Twinning kit: CMY-Y200VBK2 Joint: CMY-Y102SS/LS-G2, CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010-G		Outdoor Twinning kit: CMY-Y200VBK2 Joint: CMY-Y102SS/LS-G2, CMY-Y202S/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(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 B8615-2.

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

OUTDOOR UNIT

Y Series

PUHY-P TSKA(-BS)

NEW



Model			PUHY-P1050TSKA (-BS)			PUHY-P1100TSKA (-BS)			
Power source			3-phase 3-wire 208-220-230 V 50/60 Hz			3-phase 3-wire 208-220-230 V 50/60 Hz			
Cooling capacity (Nominal)	*1	kW	115.0			121.5			
		kcal / h	103,000			108,000			
	*1	BTU / h	392,400			414,600			
		Power input	kW	32.57			35.63		
		Current input	A	100.4-94.9-90.8			109.8-103.8-99.3		
EER	kW / kW	3.53			3.41				
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	115.0			121.5			
		kcal / h	103,000			108,000			
	*2	BTU / h	392,400			414,600			
		Power input	kW	31.50			33.80		
		Current input	A	97.1-91.8-87.8			104.2-98.5-94.2		
COP	kW / kW	3.65			3.59				
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>	66.5			66.5			
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-P300TKA (-BS)	PUHY-P300TKA (-BS)	PUHY-P450TKA (-BS)	PUHY-P300TKA (-BS)	PUHY-P350TKA (-BS)	PUHY-P450TKA (-BS)	
FAN	Type x Quantity		Propeller fan x 1		Propeller fan x 1		Propeller fan x 1		
	Air flow rate	m ³ /min	185		185		210		
		L/s	3,083		3,083		3,500		
		cfm	6,532		6,532		7,415		
	Control, 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)
	Type		MITSUBISHI ELECTRIC Inverter scroll hermetic compressor				MITSUBISHI ELECTRIC Inverter scroll hermetic compressor		
Compressor	Starting method		Inverter		Inverter		Inverter		Inverter
	Motor output	kW	8.1		8.1		12.4		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 H x W x D		mm	1,650 x 920 x 740	1,650 x 920 x 740	1,650 x 1,220 x 740	1,650 x 920 x 740	1,650 x 1,220 x 740	1,650 x 1,220 x 740	
		in.	65 x 36-1/4 x 29-3/16	65 x 36-1/4 x 29-3/16	65 x 48-1/16 x 29-3/16	65 x 36-1/4 x 29-3/16	65 x 48-1/16 x 29-3/16	65 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			
Refrigerant	Type x original charge		R410A x 8.0 kg (18 lbs)	R410A x 8.0 kg (18 lbs)	R410A x 11.5 kg (26 lbs)	R410A x 8.0 kg (18 lbs)	R410A x 11.5 kg (26 lbs)	R410A x 11.5 kg (26 lbs)	
Net weight	kg (lbs)		209 (461)	209 (461)	244 (538)	209 (461)	244 (538)	244 (538)	
Heat exchanger			Salt-resistant cross fin & copper tube			Salt-resistant cross fin & copper tube			
Pipe between unit and distributor	Liquid pipe	mm (in.)	12.7 (1/2) Brazed		15.88 (5/8) Brazed		12.7 (1/2) Brazed		15.88 (5/8) 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-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(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 B8615-2.

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

OUTDOOR UNIT

Y Series

PUHY-P TSKA(-BS)



Model			PUHY-P1150TSKA (-BS)			PUHY-P1200TSKA (-BS)					
Power source			3-phase 3-wire 208-220-230 V 50/60 Hz			3-phase 3-wire 208-220-230 V 50/60 Hz					
Cooling capacity (Nominal)	*1	kW	130.0			135.0					
		kcal / h	115,000			120,000					
	*1	BTU / h	443,600			460,600					
		Power input	kW	38.80			40.66				
	Current input	A	119.6-113.1-108.2			125.4-118.5-113.4					
EER	kW / kW	3.35			3.32						
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	130.0			135.0					
		kcal / h	115,000			120,000					
	*2	BTU / h	443,600			460,600					
		Power input	kW	35.51			37.70				
	Current input	A	109.5-103.5-99.0			116.2-109.9-105.1					
COP	kW / kW	3.66			3.58						
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>	67.5			68					
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-P350TKA (-BS)	PUHY-P400TKA (-BS)	PUHY-P400TKA (-BS)	PUHY-P400TKA (-BS)	PUHY-P400TKA (-BS)	PUHY-P400TKA (-BS)			
FAN	Type x Quantity		Propeller fan x 1		Propeller fan x 1		Propeller fan x 1				
	Air flow rate	m ³ /min	210		210		210				
		L/s	3,500		3,500		3,500				
		cfm	7,415		7,415		7,415				
	Control, 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				
External static press.		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		MITSUBISHI ELECTRIC Inverter scroll hermetic compressor				MITSUBISHI ELECTRIC Inverter scroll hermetic compressor				
	Starting method		Inverter		Inverter		Inverter		Inverter		
	Motor output		kW	10.4		10.8		10.8		10.8	
	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 H x W x D			mm		1,650 x 1,220 x 740		1,650 x 1,220 x 740		1,650 x 1,220 x 740		
			in.		65 x 48-1/16 x 29-3/16		65 x 48-1/16 x 29-3/16		65 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				
Refrigerant		Type x original charge	R410A x 11.5 kg (26 lbs)		R410A x 11.5 kg (26 lbs)		R410A x 11.5 kg (26 lbs)		R410A x 11.5 kg (26 lbs)		
Net weight		kg (lbs)	244 (538)		244 (538)		244 (538)		244 (538)		
Heat exchanger			Salt-resistant cross fin & copper tube				Salt-resistant cross fin & copper 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		
	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		
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(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 B8615-2.

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

OUTDOOR UNIT

Y Series

PUHY-P TSKA(-BS)

NEW



Model			PUHY-P1250TSKA (-BS)			PUHY-P1300TSKA (-BS)				
Power source			3-phase 3-wire 208-220-230 V 50/60 Hz			3-phase 3-wire 208-220-230 V 50/60 Hz				
Cooling capacity (Nominal)	*1	kW	138.0			141.0				
		kcal / h	123,000			126,000				
	*1	BTU / h	470,900			481,100				
		Power input kW	43.12			45.77				
	Current input A	132.9-125.7-120.2			141.1-133.4-127.6					
EER	kW / kW		3.20			3.08				
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	138.0			141.0				
		kcal / h	123,000			126,000				
	*2	BTU / h	470,900			481,100				
		Power input kW	40.35			42.98				
	Current input A	124.4-117.6-112.5			132.5-125.3-119.8					
COP	kW / kW		3.42			3.28				
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>		68			68				
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-P400TKA (-BS)	PUHY-P400TKA (-BS)	PUHY-P450TKA (-BS)	PUHY-P400TKA (-BS)	PUHY-P450TKA (-BS)	PUHY-P450TKA (-BS)		
FAN	Type x Quantity		Propeller fan x 1		Propeller fan x 1		Propeller fan x 1			
	Air flow rate	m ³ /min	210		210		210			
		L/s	3,500		3,500		3,500			
		cfm	7,415		7,415		7,415			
	Control, 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		
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		MITSUBISHI ELECTRIC Inverter scroll hermetic compressor			MITSUBISHI ELECTRIC Inverter scroll hermetic compressor				
	Starting method		Inverter		Inverter		Inverter			
	Motor output	kW		10.8		10.8		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 H x W x D			mm		1,650 x 1,220 x 740		1,650 x 1,220 x 740		1,650 x 1,220 x 740	
			in.		65 x 48-1/16 x 29-3/16		65 x 48-1/16 x 29-3/16		65 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				
Refrigerant	Type x original charge		R410A x 11.5 kg (26 lbs)		R410A x 11.5 kg (26 lbs)		R410A x 11.5 kg (26 lbs)			
Net weight	kg (lbs)		244 (538)		244 (538)		244 (538)			
Heat exchanger			Salt-resistant cross fin & copper tube			Salt-resistant cross fin & copper tube				
Pipe between unit and distributor	Liquid pipe	mm (in.)	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			
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(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 B8615-2.

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

OUTDOOR UNIT

Y Series

PUHY-P TSKA(-BS)

NEW



Model			PUHY-P1350TSKA (-BS)			PUHY-P1400TSKA (-BS)		
Power source			3-phase 3-wire 208-220-230 V 50/60 Hz			3-phase 3-wire 208-220-230 V 50/60 Hz		
Cooling capacity (Nominal)	*1	kW	144.0			151.0		
		kcal / h	129,000			135,100		
	*1	BTU / h	491,300			515,200		
		Power input kW	48.64			52.24		
	Current input A	150.0-141.8-135.6			161.1-152.3-145.7			
EER	kW / kW	2.96			2.89			
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	144.0			151.0		
		kcal / h	129,000			135,100		
	*2	BTU / h	491,300			515,200		
		Power input kW	46.15			49.50		
	Current input A	142.3-134.5-128.7			152.6-144.3-138.0			
COP	kW / kW	3.12			3.05			
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>		68			68.5		
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-P450TKA (-BS)	PUHY-P450TKA (-BS)	PUHY-P450TKA (-BS)	PUHY-P450TKA (-BS)	PUHY-P450TKA (-BS)	PUHY-P500TKA (-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 2
	Air flow rate	m ³ /min	210	210	210	210	210	360
		L/s	3,500	3,500	3,500	3,500	3,500	6,000
		cfm	7,415	7,415	7,415	7,415	7,415	12,712
	Control, 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 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		MITSUBISHI ELECTRIC Inverter scroll hermetic compressor			MITSUBISHI ELECTRIC Inverter scroll hermetic compressor		
Type		Inverter			Inverter			
Starting method		Inverter			Inverter			
Motor output	kW	12.4	12.4	12.4	12.4	12.4	13.3	
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 H x W x D	mm		1,650 x 1,220 x 740	1,650 x 1,220 x 740	1,650 x 1,220 x 740	1,650 x 1,220 x 740	1,650 x 1,220 x 740	1,650 x 1,750 x 740
	in.		65 x 48-1/16 x 29-3/16	65 x 48-1/16 x 29-3/16	65 x 48-1/16 x 29-3/16	65 x 48-1/16 x 29-3/16	65 x 48-1/16 x 29-3/16	65 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		
Refrigerant	Type x original charge		R410A x 11.5 kg (26 lbs)	R410A x 11.5 kg (26 lbs)	R410A x 11.5 kg (26 lbs)	R410A x 11.5 kg (26 lbs)	R410A x 11.8 kg (27 lbs)	
Net weight	kg (lbs)		244 (538)	244 (538)	244 (538)	244 (538)	287 (633)	
Heat exchanger			Salt-resistant cross fin & copper tube			Salt-resistant cross fin & copper tube		
Pipe between unit and distributor	Liquid pipe	mm (in.)	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	
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(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 B8615-2.

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

OUTDOOR UNIT

Y Series

PUHY-P TSKA(-BS)

NEW



Model			PUHY-P1450TSKA (-BS)			PUHY-P1500TSKA (-BS)			
Power source			3-phase 3-wire 208-220-230 V 50/60 Hz			3-phase 3-wire 208-220-230 V 50/60 Hz			
Cooling capacity (Nominal)	*1	kW	158.0			165.0			
		kcal / h	141,200			147,300			
	*1	BTU / h	539,100			563,000			
		Power input	kW	55.83			59.56		
		Current input	A	172.1-162.7-155.7			183.6-173.6-166.1		
EER	kW / kW	2.83			2.77				
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	158.0			165.0			
		kcal / h	141,200			147,300			
	*2	BTU / h	539,100			563,000			
		Power input	kW	52.49			56.12		
		Current input	A	161.8-153.0-146.4			173.0-163.6-156.5		
COP	kW / kW	3.01			2.94				
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>	69.5			70			
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-P450TKA (-BS)	PUHY-P500TKA (-BS)	PUHY-P500TKA (-BS)	PUHY-P500TKA (-BS)	PUHY-P500TKA (-BS)	PUHY-P500TKA (-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	210	360	360	360	360	360	
		L/s	3,500	6,000	6,000	6,000	6,000	6,000	
		cfm	7,415	12,712	12,712	12,712	12,712	12,712	
	Control, 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)	
	Type		MITSUBISHI ELECTRIC Inverter scroll hermetic compressor			MITSUBISHI ELECTRIC Inverter scroll hermetic compressor			
	Starting method		Inverter			Inverter			
Motor output	kW	12.4	13.3	13.3	13.3	13.3	13.3		
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 H x W x D	mm		1,650 x 1,220 x 740	1,650 x 1,750 x 740	1,650 x 1,750 x 740	1,650 x 1,750 x 740	1,650 x 1,750 x 740	1,650 x 1,750 x 740	
	in.		65 x 48-1/16 x 29-3/16	65 x 68-15/16 x 29-3/16	65 x 68-15/16 x 29-3/16	65 x 68-15/16 x 29-3/16	65 x 68-15/16 x 29-3/16	65 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			
Refrigerant	Type x original charge		R410A x 11.5 kg (26 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)		244 (538)	287 (633)	287 (633)	287 (633)	287 (633)	287 (633)	
Heat exchanger			Salt-resistant cross fin & copper tube			Salt-resistant cross fin & copper tube			
Pipe between unit and distributor	Liquid pipe	mm (in.)	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	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(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 B8615-2.

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

OUTDOOR UNIT

Y Series - High COP

PUHY-EP TSKA(-BS)



Model	PUHY-EP400TSKA (-BS)			PUHY-EP450TSKA (-BS)			PUHY-EP500TSKA (-BS)					
Power source	3-phase 3-wire 208-220-230 V 50/60 Hz			3-phase 3-wire 208-220-230 V 50/60 Hz			3-phase 3-wire 208-220-230 V 50/60 Hz					
Cooling capacity (Nominal)	*1	kW	44.8	50.4	56.0	*1	kcal / h	40,000	45,000	50,000		
		BTU / h	152,900	172,000	191,100							
	Power input	kW	10.39	12.05	13.79	Power input	kW	10.66	12.00	13.36		
		Current input	A	32.0-30.2-28.9	37.1-35.1-33.6		42.5-40.2-38.4	Current input	A	32.8-31.0-29.7	37.0-34.9-33.4	41.2-38.9-37.2
		EER	kW / kW	4.31	4.18		4.06	EER	kW / kW	4.20	4.19	4.19
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)	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	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)	Outdoor	D.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)		
Heating capacity (Nominal)	*2	kW	44.8	50.4	56.0	*2	kcal / h	40,000	45,000	50,000		
		BTU / h	152,900	172,000	191,100		BTU / h	152,900	172,000	191,100		
	Power input	kW	10.66	12.00	13.36	Power input	kW	10.66	12.00	13.36		
		Current input	A	32.8-31.0-29.7	37.0-34.9-33.4		41.2-38.9-37.2	Current input	A	32.8-31.0-29.7	37.0-34.9-33.4	41.2-38.9-37.2
		COP	kW / kW	4.20	4.19		4.19	COP	kW / kW	4.20	4.19	4.19
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)	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)	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~P250/2~34			P15~P250/2~39			P15~P250/2~43				
Sound pressure level (measured in anechoic room)	dB <A>	60			60.5			61				
Refrigerant piping diameter	Liquid pipe	mm (in.)	12.7 (1/2) Brazed	15.88 (5/8) Brazed	15.88 (5/8) Brazed	Liquid pipe	mm (in.)	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	Gas pipe	mm (in.)	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed		

Set Model

Model	PUHY-P200TKA (-BS)		PUHY-P200TKA (-BS)		PUHY-P200TKA (-BS)		PUHY-P250TKA (-BS)		PUHY-P250TKA (-BS)		PUHY-P250TKA (-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		175		175		175		175	
		L/s	2,917		2,917		2,917		2,917		2,917		2,917	
		cfm	6,179		6,179		6,179		6,179		6,179		6,179	
	Control, Driving mechanism	Inverter-control, Direct-driven by motor				Inverter-control, Direct-driven by motor				Inverter-control, Direct-driven by motor				
*3 External static press.	Motor output	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)		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	MITSUBISHI ELECTRIC Inverter scroll hermetic compressor				MITSUBISHI ELECTRIC Inverter scroll hermetic compressor				MITSUBISHI ELECTRIC Inverter scroll hermetic compressor				
Compressor	Starting method	Inverter		Inverter		Inverter		Inverter		Inverter		Inverter		
	Motor output	5.5		5.5		5.5		6.9		6.9		6.9		
	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>				Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>					
External dimension H x W x D	mm	1,650 x 920 x 740		1,650 x 920 x 740		1,650 x 920 x 740		1,650 x 920 x 740		1,650 x 920 x 740		1,650 x 920 x 740		
	in.	65 x 36-1/4 x 29-3/16		65 x 36-1/4 x 29-3/16		65 x 36-1/4 x 29-3/16		65 x 36-1/4 x 29-3/16		65 x 36-1/4 x 29-3/16		65 x 36-1/4 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				
Refrigerant	Type x original charge	R410A x 8.0 kg (18 lbs)		R410A x 8.0 kg (18 lbs)		R410A x 8.0 kg (18 lbs)		R410A x 8.0 kg (18 lbs)		R410A x 8.0 kg (18 lbs)		R410A x 8.0 kg (18 lbs)		
Net weight	kg (lbs)	193 (426)		193 (426)		193 (426)		193 (426)		193 (426)		193 (426)		
Heat exchanger		Salt-resistant cross fin & copper tube				Salt-resistant cross fin & copper tube				Salt-resistant cross fin & copper tube				
Pipe between unit and distributor	Liquid pipe	mm (in.)	9.52 (3/8) Brazed		9.52 (3/8) Brazed		9.52 (3/8) Brazed		9.52 (3/8) Brazed		9.52 (3/8) Brazed		9.52 (3/8) Brazed	
	Gas pipe	mm (in.)	22.2 (7/8) Brazed		22.2 (7/8) Brazed		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-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				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(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 B8615-2.

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

OUTDOOR UNIT

Y Series - High COP

PUHY-EP TSKA(-BS)



Model		PUHY-EP650TSKA (-BS)		PUHY-EP700TSKA (-BS)		
Power source		3-phase 3-wire 208-220-230 V 50/60 Hz		3-phase 3-wire 208-220-230 V 50/60 Hz		
Cooling capacity (Nominal)	*1 kW	73.5		80.0		
	kcal / h	65,000		70,000		
	*1 BTU / h	250,800		273,000		
	Power input kW	20.41		23.39		
	Current input A	62.9-59.5-56.9		72.1-68.2-65.2		
EER	kW / kW	3.60		3.42		
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	73.5		80.0		
	kcal / h	65,000		70,000		
	*2 BTU / h	250,800		273,000		
	Power input kW	18.70		20.25		
	Current input A	57.6-54.5-52.1		62.4-59.0-56.4		
COP	kW / kW	3.93		3.95		
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		64		
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-P300TKA (-BS)		PUHY-P350TKA (-BS)		
FAN	Type x Quantity	Propeller fan x 1		Propeller fan x 1		
	Air flow rate	m ³ /min	185		210	
		L/s	3,083		3,500	
		cfm	6,532		7,415	
	Control, 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		
External static press.		0 Pa (0 mmH ₂ O)		0 Pa (0 mmH ₂ O)		
Compressor	Type	MITSUBISHI ELECTRIC Inverter scroll hermetic compressor		MITSUBISHI ELECTRIC Inverter scroll hermetic compressor		
	Starting method	Inverter		Inverter		
	Motor output	kW	8.1		10.4	
	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 H x W x D	mm	1,650 x 920 x 740		1,650 x 1,220 x 740		
	in.	65 x 36-1/4 x 29-3/16		65 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		
Refrigerant	Type x original charge	R410A x 8.0 kg (18 lbs)		R410A x 11.5 kg (26 lbs)		
Net weight	kg (lbs)	209 (461)		244 (538)		
Heat exchanger		Salt-resistant cross fin & copper tube		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		28.58 (1-1/8) Brazed		
Optional parts		Outdoor Twinning kit: CMY-Y100VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010-G		Outdoor Twinning kit: CMY-Y200VBK2 Joint: CMY-Y102SS/LS-G2, CMY-Y202S/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(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 B8615-2.

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

OUTDOOR UNIT

Y Series - High COP

PUHY-EP TSKA(-BS)



Model			PUHY-EP750TSKA (-BS)			PUHY-EP800TSKA (-BS)				
Power source	3-phase 3-wire 208-220-230 V 50/60 Hz						3-phase 3-wire 208-220-230 V 50/60 Hz			
Cooling capacity (Nominal)	*1	kW	84.8			90.4				
		kcal / h	75,000			80,000				
	*1	BTU / h	289,300			308,400				
		Power input	kW	21.14			23.00			
		Current input	A	65.1-61.6-58.9			70.9-67.0-64.1			
EER	kW / kW	4.01			3.93					
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	84.8			90.4				
		kcal / h	75,000			80,000				
	*2	BTU / h	289,300			308,400				
		Power input	kW	20.58			21.99			
		Current input	A	63.4-60.0-57.4			67.8-64.1-61.3			
COP	kW / kW	4.12			4.11					
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			64				
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-P200TKA (-BS)	PUHY-P200TKA (-BS)	PUHY-P350TKA (-BS)	PUHY-P200TKA (-BS)	PUHY-P250TKA (-BS)	PUHY-P350TKA (-BS)		
FAN	Type x Quantity		Propeller fan x 1		Propeller fan x 1		Propeller fan x 1			
	Air flow rate	m ³ /min	175		175		210			
		L/s	2,917		2,917		3,500			
		cfm	6,179		6,179		7,415			
	Control, 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			
	External static press.		0 Pa (0 mmH ₂ O)		0 Pa (0 mmH ₂ O)		0 Pa (0 mmH ₂ O)			
Compressor	Type		MITSUBISHI ELECTRIC Inverter scroll hermetic compressor			MITSUBISHI ELECTRIC Inverter scroll hermetic compressor				
	Starting method		Inverter		Inverter		Inverter			
	Motor output	kW	5.5		5.5		10.4			
	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 H x W x D			mm		1,650 x 920 x 740		1,650 x 920 x 740			
	in.		65 x 36-1/4 x 29-3/16		65 x 36-1/4 x 29-3/16		65 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							
Refrigerant	Type x original charge		R410A x 8.0 kg (18 lbs)		R410A x 8.0 kg (18 lbs)		R410A x 11.5 kg (26 lbs)			
Net weight	kg (lbs)		193 (426)		193 (426)		244 (538)			
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		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(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 B8615-2.

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

OUTDOOR UNIT

Y Series - High COP

PUHY-EP TSKA(-BS)



Model			PUHY-EP850TSKA (-BS)			PUHY-EP900TSKA (-BS)			
Power source			3-phase 3-wire 208-220-230 V 50/60 Hz			3-phase 3-wire 208-220-230 V 50/60 Hz			
Cooling capacity (Nominal)	*1	kW	96.0			101.5			
		kcal / h	85,000			90,000			
	*1	BTU / h	327,600			346,300			
		Power input kW	25.00			27.06			
		Current input A	77.1-72.8-69.7			83.4-78.9-75.4			
EER		kW / kW	3.84			3.75			
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	96.0			101.5			
		kcal / h	85,000			90,000			
	*2	BTU / h	327,600			346,300			
		Power input kW	23.35			25.24			
		Current input A	72.0-68.0-65.1			77.8-73.5-70.3			
COP		kW / kW	4.11			4.02			
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			65			
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-P250TKA (-BS)	PUHY-P250TKA (-BS)	PUHY-P350TKA (-BS)	PUHY-P250TKA (-BS)	PUHY-P300TKA (-BS)	PUHY-P350TKA (-BS)	
FAN	Type x Quantity		Propeller fan x 1		Propeller fan x 1		Propeller fan x 1		
	Air flow rate	m ³ /min	175		175		210		
		L/s	2,917		2,917		3,500		
		cfm	6,179		6,179		7,415		
	Control, Driving mechanism		Inverter-control, Direct-driven by motor						
*3 Motor output		kW	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)		0 Pa (0 mmH ₂ O)		
Compressor	Type		MITSUBISHI ELECTRIC Inverter scroll hermetic compressor			MITSUBISHI ELECTRIC Inverter scroll hermetic compressor			
	Starting method		Inverter		Inverter		Inverter		
	Motor output		kW	6.9		6.9		10.4	
	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 H x W x D			mm		1,650 x 920 x 740		1,650 x 920 x 740		
			in.		65 x 36-1/4 x 29-3/16		65 x 36-1/4 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						
Refrigerant			Type x original charge		R410A x 8.0 kg (18 lbs)		R410A x 8.0 kg (18 lbs)		
Net weight			kg (lbs)		193 (426)		193 (426)		
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		
	Gas pipe		mm (in.)		22.2 (7/8) Brazed		22.2 (7/8) 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(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 B8615-2.

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

OUTDOOR UNIT

Y Series - High COP

PUHY-EP TSKA(-BS)

NEW



Model			PUHY-EP950TSKA (-BS)			PUHY-EP1000TSKA (-BS)				
Power source			3-phase 3-wire 208-220-230 V 50/60 Hz			3-phase 3-wire 208-220-230 V 50/60 Hz				
Cooling capacity (Nominal)	*1	kW	107.0			113.5				
		kcal / h	95,000			100,000				
	*1	BTU / h	365,100			387,300				
		Power input kW	29.23			32.06				
		Current input A	90.1-85.2-81.5			98.8-93.4-89.4				
	EER	kW / kW	3.66			3.54				
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	107.0			113.5				
		kcal / h	95,000			100,000				
	*2	BTU / h	365,100			387,300				
		Power input kW	27.22			28.80				
		Current input A	83.9-79.3-75.9			88.8-83.9-80.3				
	COP	kW / kW	3.93			3.94				
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				
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-P300TKA (-BS)	PUHY-P300TKA (-BS)	PUHY-P350TKA (-BS)	PUHY-P300TKA (-BS)	PUHY-P350TKA (-BS)	PUHY-P350TKA (-BS)		
FAN	Type x Quantity		Propeller fan x 1		Propeller fan x 1		Propeller fan x 1			
	Air flow rate	m ³ /min	185		185		210			
		L/s	3,083		3,083		3,500			
		cfm	6,532		6,532		7,415			
	Control, 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			
External static press.			0 Pa (0 mmH ₂ O)		0 Pa (0 mmH ₂ O)		0 Pa (0 mmH ₂ O)			
Compressor	Type		MITSUBISHI ELECTRIC Inverter scroll hermetic compressor			MITSUBISHI ELECTRIC Inverter scroll hermetic compressor				
	Starting method		Inverter		Inverter		Inverter			
	Motor output	kW	8.1		10.4		10.4			
	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 H x W x D		mm	1,650 x 920 x 740		1,650 x 920 x 740		1,650 x 1,220 x 740			
		in.	65 x 36-1/4 x 29-3/16		65 x 36-1/4 x 29-3/16		65 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		
Refrigerant	Type x original charge	R410A x 8.0 kg (18 lbs)		R410A x 8.0 kg (18 lbs)		R410A x 11.5 kg (26 lbs)		R410A x 11.5 kg (26 lbs)		
Net weight	kg (lbs)	209 (461)		209 (461)		244 (538)		244 (538)		
Heat exchanger		Salt-resistant cross fin & copper tube						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		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		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(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 B8615-2.

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

OUTDOOR UNIT

Y Series - High COP

PUHY-EP TSKA(-BS)



Model			PUHY-EP1050TSKA (-BS)			PUHY-EP1100TSKA (-BS)		
Power source			3-phase 3-wire 208-220-230 V 50/60 Hz			3-phase 3-wire 208-220-230 V 50/60 Hz		
Cooling capacity (Nominal)			*1 kW	120.0		125.0		
			*1 kcal / h	105,000		110,000		
			*1 BTU / h	409,400		426,500		
			Power input kW	35.08		36.76		
			Current input A	108.1-102.2-97.8		113.3-107.1-102.5		
EER			kW / kW		3.42		3.40	
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	120.0		125.0		
			*2 kcal / h	105,000		110,000		
			*2 BTU / h	409,400		426,500		
			Power input kW	31.25		33.24		
			Current input A	96.3-91.1-87.1		102.5-96.9-92.7		
COP			kW / kW		3.84		3.76	
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~P250/2~50			P15~P250/2~50		
Sound pressure level (measured in anechoic room)			dB <A>			66		
Refrigerant piping diameter			Liquid pipe mm (in.)			19.05 (3/4) Brazed		
Gas pipe mm (in.)			41.28 (1-5/8) Brazed			19.05 (3/4) Brazed		
41.28 (1-5/8) Brazed						41.28 (1-5/8) Brazed		
Set Model								
Model			PUHY-P350TKA (-BS)	PUHY-P350TKA (-BS)	PUHY-P350TKA (-BS)	PUHY-P350TKA (-BS)	PUHY-P350TKA (-BS)	PUHY-P400TKA (-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		210	210	210	210
			L/s		3,500	3,500	3,500	3,500
			cfm		7,415	7,415	7,415	7,415
Control, 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)	0 Pa (0 mmH ₂ O)
Compressor			Type				MITSUBISHI ELECTRIC Inverter scroll hermetic compressor	
Starting method			Inverter		Inverter	Inverter	Inverter	
Motor output			kW		10.4	10.4	10.4	
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 H x W x D			mm		1,650 x 1,220 x 740	1,650 x 1,220 x 740	1,650 x 1,220 x 740	
			in.		65 x 48-1/16 x 29-3/16	65 x 48-1/16 x 29-3/16	65 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)	
Inverter circuit (COMP./FAN)			Over-heat protection, Over-current protection				Over-heat protection, Over-current protection	
Refrigerant			Type x original charge		R410A x 11.5 kg (26 lbs)	R410A x 11.5 kg (26 lbs)	R410A x 11.5 kg (26 lbs)	
Net weight			kg (lbs)		244 (538)	244 (538)	244 (538)	
Heat exchanger			Salt-resistant cross fin & copper tube				Salt-resistant cross fin & copper tube	
Pipe between unit			Liquid pipe mm (in.)		12.7 (1/2) Brazed	12.7 (1/2) Brazed	12.7 (1/2) Brazed	
and distributor			Gas pipe mm (in.)		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(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 B8615-2.

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



for a greener tomorrow

Eco Changes is the Mitsubishi Electric Group's environmental statement, and expresses the Group's stance on environmental management. Through a wide range of businesses, we are helping contribute to the realization of a sustainable society.



FM33568 / ISO 9001:2008

The Air Conditioning & Refrigeration Systems Works acquired ISO 9001 certification under Series 9000 of the International Standard Organization (ISO) based on a review of Quality management for the production of refrigeration and air conditioning equipment.

ISO Authorization System

The ISO 9000 series is a plant authorization system relating to quality management as stipulated by the ISO. ISO 9001 certifies quality management based on the "design, development, production, installation and auxiliary services" for products built at an authorized plant.



The Air Conditioning & Refrigeration Systems Works acquired environmental management system standard ISO 14001 certification.

The ISO 14000 series is a set of standards applying to environmental protection set by the International Standard Organization (ISO). Registered on March 10, 1998.

⚠ Warning

- Do not use refrigerant other than the type indicated in the manuals provided with the unit and on the nameplate.
 - Doing so may cause the unit or pipes to burst, or result in explosion or fire during use, during repair, or at the time of disposal of the unit.
 - It may also be in violation of applicable laws.
 - MITSUBISHI ELECTRIC CORPORATION cannot be held responsible for malfunctions or accidents resulting from the use of the wrong type of refrigerant.
- Our air-conditioning equipments and heat pumps contain a fluorinated greenhouse gas, R410A.

MITSUBISHI ELECTRIC CORPORATION

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