OUTDOOR UNIT

YKD1-series

PUHY-P YKD1 (-BS)



Specifications

Model			PUHY-P200YKD1 (-BS)	PUHY-P250YKD1 (-BS)	PUHY-P300YKD1 (-BS)	PUHY-P350YKD1 (-BS)
Power source			3-phase 4-wire 380-400-415 V 50/60 Hz			
Cooling capacity *1		kW	22.5	28.2	33.6	40.0
		BTU/h	77,000	96,000	115,000	136,000
	Power input	kW	4.50	5.92	7.61	9.59
	Current input	A	7.5-7.2-6.9	9.9-9.4-9.1	12.8-12.2-11.7	16.1-15.3-14.8
	EER	kW/kW	5.00	4.76	4.41	4.17
Cooling capacity *6*7 Outdoor 35°C DB (T1)		kW	22.5	28.2	33.6	40.0
		BTU/h	77,000	96,000	115,000	136,000
	Power input system *8	kW	5.33	6.96	8.85	11.04
	Power factor	%	90	90	90	90
	EER system *9	Btu-h/W	14.40	13.75	12.95	12.30
Cooling capacity *2*7 Outdoor 46°C DB (T3)		kW	20.4	24.4	27.3	32.6
		BTU/h	69,600	83,300	93,100	111,200
	Power input	kW	6.43	7.67	7.82	9.09
	EER	Btu-h/W	10.82	10.86	11.90	12.23
Cooling capacity *7*10 Outdoor 48°C DB		kW	17.3	19.3	21.5	26.1
		BTU/h	59,000	65,900	73,400	89,100
	Power input system *8	kW	6.02	6.87	7.82	9.60
	EER system *9	Btu-h/W	9.80	9.59	9.38	9.28
CSPF for T3 condition *2		BTU/h/W	20.7	20.5	18.3	17.1
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 *3		kW	22.4	28.0	33.5	40.0
		BTU/h	76,400	95,500	114,300	136,500
	Power input	kW	5.05	6.33	8.11	9.61
	Current input	A	8.5-8.0-7.8	10.6-10.1-9.7	13.6-13.0-12.5	16.2-15.4-14.8
	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	50~130% of outdoor unit capacity
	Model/Quantity		P15~P250/1~17	P15~P250/1~21	P15~P250/1~26	P15~P400/1~30
Sound pressure level *4 (measured in anechoic room)		dB <A>	57	58	61	61
Sound pressure level *2 (measured in anechoic room, T3 condition)		dB <A>	62.5	62.5	62.5	62.5
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)	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
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	185	210
		L/s	2,917	2,917	3,083	3,500
		cfm	6,179	6,179	6,532	7,415
	Air flow rate (T3 condition) *2	m^3/min	222	222	222	246
		L/s	3,700	3,700	3,700	4,100
		cfm	7,839	7,839	7,839	8,686
	Control, Driving mechanism		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
*5	External static press.		0 Pa (0 mmH_2O)	0 Pa (0 mmH_2O)	0 Pa (0 mmH_2O)	0 Pa (0 mmH_2O)
Compressor	Type		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	5.5	6.9	8.1	10.4
	Case heater	kW	-	-	-	-
	Lubricant		MEL32	MEL32	MEL32	MEL32
External finish			Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 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
		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
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 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)
	Control		LEV and HIC circuit	LEV and HIC circuit	LEV and HIC circuit	LEV and HIC circuit
Net weight		kg (lbs)	191 (422)	191 (422)	204 (450)	243 (536)
Heat exchanger			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/LS-G2, CMY-Y202S-G2 Header: CMY-Y104/108/1010-G

Notes:

*1, *3 Nominal conditions (subject to JIS B8615-2)

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

Cooling capacity (BTU/h) is calculated based on SASO 2874.

*2 T3 conditions (subject to UAE.S ISO 15042)

	Indoor	Outdoor	Pipe length	Level difference
Cooling	29°C D.B./19°C W.B. (84°F D.B./66°F W.B.)	46°C D.B./24°C W.B. (115°F D.B./75°F W.B.)	7.5m (24-9/16ft.)	0m (0ft.)

*4 The sound pressure level measured by the conventional method in JIS for reference purpose.

*5 External static pressure option is available (30 Pa, 60 Pa/3.1 mmH_2O, 6.1 mmH_2O). Refer to the capacity table in DATABOOK for details.

*6 Outdoor 35ºC DB (T1) conditions (subject to ISO15042). As per QCC.

	Indoor	Outdoor	Pipe length	Level difference
Cooling	27ºC DB/19ºC WB (81ºF DB/66ºF WB)	35ºC DB/24ºC WB (95ºF DB/75ºF WB)	7.5m (24-9/16ft.)	0m (0ft.)

*7 Verified by 3rd party institute (Intertek).

*8 Outdoor input + Indoor input.

*9 Capacity / Power input system.

*10 Outdoor 48ºC DB conditions (subject to MEW/R-6/2018). As per MEW.

	Indoor	Outdoor	Pipe length	Level difference
Cooling	26.6ºC DB/19.4ºC WB (80ºF DB/67ºF WB)	48ºC DB (118ºF DB)	7.5m (24-9/16ft.)	0m (0ft.)

OUTDOOR UNIT

YKD1-series

PUHY-P YKD1 (-BS)



Specifications

Model			PUHY-P400YKD1 (-BS)	PUHY-P450YKD1 (-BS)	PUHY-P500YKD1 (-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 *1		kW	44.5	47.0	55.0
		BTU/h	152,000	160,000	188,000
	Power input	kW	11.99	12.93	14.07
	Current input	A	20.2-19.2-18.5	21.8-20.7-19.9	23.7-22.5-21.7
	EER	kW/kW	3.71	3.63	3.90
Cooling capacity *6*7 Outdoor 35°C DB (T1)		kW	44.5	47.0	55.0
		BTU/h	152,000	160,000	188,000
	Power input system *8	kW	13.65	14.80	16.15
	Power factor	%	90	90	90
	EER system *9	Btu-h/W	11.10	10.80	11.60
Cooling capacity *2*7 Outdoor 46°C DB (T3)		kW	34.8	35.5	40.5
		BTU/h	118,700	121,100	138,200
	Power input	kW	12.88	14.37	15.16
	EER	Btu-h/W	9.21	8.42	9.11
Cooling capacity *7*10 Outdoor 48°C DB		kW	28.0	28.8	29.2
		BTU/h	95,500	98,300	99,600
	Power input system *8	kW	10.57	10.82	11.29
	EER system *9	Btu-h/W	9.03	9.08	8.82
CSPF for T3 condition *2		BTU/h/W	16.2	16	15.5
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 *3		kW	45.0	48.0	55.0
		BTU/h	153,500	163,800	187,700
	Power input	kW	10.92	13.33	15.71
	Current input	A	18.4-17.5-16.8	22.5-21.3-20.6	26.5-25.1-24.2
	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	50~130% of outdoor unit capacity
	Model/Quantity		P15~P500/1~34	P15~P500/1~39	P15~P500/1~43
Sound pressure level *4 (measured in anechoic room)		dB <A>	63	63	65
Sound pressure level *2 (measured in anechoic room, T3 condition)		dB <A>	63	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	Propeller fan x 2
	Air flow rate	m^3/min	210	210	360
		L/s	3,500	3,500	6,000
		cfm	7,415	7,415	12,712
	Air flow rate (T3 condition) *2	m^3/min	246	246	433
		L/s	4,100	4,100	7,217
		cfm	8,686	8,686	15,289
	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 2
*5	External static press.		0 Pa (0 mmH_2O)	0 Pa (0 mmH_2O)	0 Pa (0 mmH_2O)
Compressor	Type		Inverter scroll hermetic compressor	Inverter scroll hermetic compressor	Inverter scroll hermetic compressor
	Starting method		Inverter	Inverter	Inverter
	Motor output	kW	10.8	12.4	13.3
	Case heater	kW	-	-	-
	Lubricant		MEL32	MEL32	MEL32
External finish			Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 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 1,750 x 740
		in.	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)		
	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 11.5 kg (26 lbs)	R410A x 11.5 kg (26 lbs)	R410A x 11.8 kg (27 lbs)
	Control		LEV and HIC circuit	LEV and HIC circuit	LEV and HIC circuit
Net weight		kg (lbs)	241 (532)	241 (532)	285 (629)
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		

Notes:

*1, *3 Nominal conditions (subject to JIS B8615-2)

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

Cooling capacity (BTU/h) is calculated based on SASO 2874.

*2 T3 conditions (subject to UAE.S ISO 15042)

	Indoor	Outdoor	Pipe length	Level difference
Cooling	29°C D.B./19°C W.B. (84°F D.B./66°F W.B.)	46°C D.B./24°C W.B. (115°F D.B./75°F W.B.)	7.5m (24-9/16ft.)	0m (0ft.)

*4 The sound pressure level measured by the conventional method in JIS for reference purpose.

*5 External static pressure option is available (30 Pa, 60 Pa/3.1 mmH_2O, 6.1 mmH_2O). Refer to the capacity table in DATABOOK for details.

*6 Outdoor 35ºC DB (T1) conditions (subject to ISO15042). As per QCC.

	Indoor	Outdoor	Pipe length	Level difference
Cooling	27ºC DB/19ºC WB (81ºF DB/66ºF WB)	35ºC DB/24ºC WB (95ºF DB/75ºF WB)	7.5m (24-9/16ft.)	0m (0ft.)

*7 Verified by 3rd party institute (Intertek).

*8 Outdoor input + Indoor input.

*9 Capacity / Power input system.

*10 Outdoor 48ºC DB conditions (subject to MEW/R-6/2018). As per MEW.

	Indoor	Outdoor	Pipe length	Level difference
Cooling	26.6ºC DB/19.4ºC WB (80ºF DB/67ºF WB)	48ºC DB (118ºF DB)	7.5m (24-9/16ft.)	0m (0ft.)

OUTDOOR UNIT

YKD1-series
PUHY-P YSKD1 (-BS)



Specifications

Model			PUHY-P550YSKD1 (-BS)	PUHY-P600YSKD1 (-BS)	PUHY-P650YSKD1 (-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 *1		kW	63.0	68.0	73.0
		BTU/h	216,000	232,000	250,000
	Power input	kW	14.25	15.34	17.80
	Current input	A	24.0-22.8-22.0	25.8-24.6-23.7	30.0-28.5-27.5
	EER	kW/kW	4.42	4.43	4.10
Cooling capacity *2		kW	63.9	69.4	74.5
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 *3		kW	63.0	68.0	73.0
		BTU/h	215,000	232,000	249,100
	Power input	kW	15.51	16.70	18.02
	Current input	A	26.1-24.8-23.9	28.1-26.7-25.8	30.4-28.8-27.8
	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~P500/1~47	P15~P500/1~50	P15~P500/1~50
Sound pressure level (measured in anechoic room) *5		dB <A>	63	63	64.5
Sound pressure level (measured in anechoic room, T3 condition) *4		dB <A>	65.5	65.5	66
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-P250YKD1 (-BS)	PUHY-P300YKD1 (-BS)	PUHY-P250YKD1 (-BS)	PUHY-P350YKD1 (-BS)	PUHY-P250YKD1 (-BS)	PUHY-P400YKD1 (-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	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
	Air flow rate (T3 condition) *4	m^3/min	222	222	222	246	222	246
		L/s	3,700	3,700	3,700	4,100	3,700	4,100
		cfm	7,839	7,839	7,839	8,686	7,839	8,686
	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	0.92 x 1	0.92 x 1	0.92 x 1
*6	External static press.		0 Pa (0 mmH_2O)	0 Pa (0 mmH_2O)	0 Pa (0 mmH_2O)	0 Pa (0 mmH_2O)	0 Pa (0 mmH_2O)	0 Pa (0 mmH_2O)
Compressor	Type		Inverter scroll hermetic compressor		Inverter scroll hermetic compressor		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	-	-	-	-	-	-
	Lubricant		MEL32	MEL32	MEL32	MEL32	MEL32	MEL32
External finish			Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>		Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>		Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 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	
	Compressor		-	-	-	-	-	-
	Fan motor		-	-	-	-	-	-
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)
	Control		LEV and HIC circuit		LEV and HIC circuit		LEV and HIC circuit	
Net weight		kg (lbs)	191 (422)	204 (450)	191 (422)	243 (536)	191 (422)	241 (532)
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	15.88 (5/8) 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	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-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, *3 Nominal conditions (subject to JIS B8615-2)

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

Cooling capacity (BTU/h) is calculated based on SASO 2874.

*2 Reference data under following conditons

	Indoor	Outdoor	Pipe length	Level difference
Cooling	27°C D.B./19.5°C W.B. (81°F D.B./67°F W.B.)	35°C D.B. (95°F D.B.)	7.5m (24-9/16ft.)	0m (0ft.)

*4 T3 conditions (subject to UAE.S ISO 15042)

	Indoor	Outdoor	Pipe length	Level difference
Cooling	29°C D.B./19°C W.B. (84°F D.B./66°F W.B.)	46°C D.B./24°C W.B. (115°F D.B./75°F W.B.)	7.5m (24-9/16ft.)	0m (0ft.)

*5 The sound pressure level measured by the conventional method in JIS for reference purpose.
*6 External static pressure option is available (30 Pa, 60 Pa/3.1 mmH_2O, 6.1 mmH_2O). Refer to the capacity table in DATABOOK for details.

OUTDOOR UNIT

YKD1-series
PUHY-P YSKD1 (-BS)



Specifications

Model			PUHY-P700YSKD1 (-BS)	PUHY-P750YSKD1 (-BS)	PUHY-P800YSKD1 (-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 *1		kW	76.0	81.5	90.0
		BTU/h	260,000	278,000	308,000
	Power input	kW	19.24	21.39	25.56
	Current input	A	32.4-30.8-29.7	36.1-34.3-33.0	43.1-40.9-39.5
	EER	kW/kW	3.95	3.81	3.52
Cooling capacity *2		kW	77.6	83.2	91.3
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 *3		kW	76.0	81.5	90.0
		BTU/h	259,300	278,100	307,100
	Power input	kW	20.00	22.20	23.01
	Current input	A	33.7-32.0-30.9	37.4-35.6-34.3	38.8-36.9-35.5
	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~P500/1~50	P15~P500/1~50	P15~P500/1~50
Sound pressure level (measured in anechoic room) *5		dB <A>	64.5	65.5	66
Sound pressure level (measured in anechoic room, T3 condition) *4		dB <A>	66	66	66
Refrigerant piping diameter	Liquid pipe	mm (in.)	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

Set Model

Model			PUHY-P250YKD1 (-BS)	PUHY-P450YKD1 (-BS)	PUHY-P300YKD1 (-BS)	PUHY-P450YKD1 (-BS)	PUHY-P400YKD1 (-BS)	PUHY-P400YKD1 (-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
		L/s	2,917	3,500	3,083	3,500	3,500	3,500
		cfm	6,179	7,415	6,532	7,415	7,415	7,415
	Air flow rate (T3 condition) *4	m^3/min	222	246	222	246	246	246
		L/s	3,700	4,100	3,700	4,100	4,100	4,100
		cfm	7,839	8,686	7,839	8,686	8,686	8,686
	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	0.92 x 1	0.92 x 1	0.92 x 1
*6	External static press.		0 Pa (0 mmH_2O)	0 Pa (0 mmH_2O)	0 Pa (0 mmH_2O)	0 Pa (0 mmH_2O)	0 Pa (0 mmH_2O)	0 Pa (0 mmH_2O)
Compressor	Type		Inverter scroll hermetic compressor		Inverter scroll hermetic compressor		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
	Case heater	kW	-	-	-	-	-	-
	Lubricant		MEL32	MEL32	MEL32	MEL32	MEL32	MEL32
External finish			Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>		Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>		Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 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
		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
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 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)	R410A x 11.5 kg (26 lbs)
	Control		LEV and HIC circuit		LEV and HIC circuit		LEV and HIC circuit	
Net weight		kg (lbs)	191 (422)	241 (532)	204 (450)	241 (532)	241 (532)	241 (532)
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	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
	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
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	

Notes:

*1, *3 Nominal conditions (subject to JIS B8615-2)

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

Cooling capacity (BTU/h) is calculated based on SASO 2874.

*2 Reference data under following conditons

	Indoor	Outdoor	Pipe length	Level difference
Cooling	27°C D.B./19.5°C W.B. (81°F D.B./67°F W.B.)	35°C D.B. (95°F D.B.)	7.5m (24-9/16ft.)	0m (0ft.)

*4 T3 conditions (subject to UAE.S ISO 15042)

	Indoor	Outdoor	Pipe length	Level difference
Cooling	29°C D.B./19°C W.B. (84°F D.B./66°F W.B.)	46°C D.B./24°C W.B. (115°F D.B./75°F W.B.)	7.5m (24-9/16ft.)	0m (0ft.)

*5 The sound pressure level measured by the conventional method in JIS for reference purpose.
*6 External static pressure option is available (30 Pa, 60 Pa/3.1 mmH_2O, 6.1 mmH_2O). Refer to the capacity table in DATABOOK for details.

OUTDOOR UNIT

YKD1-series
PUHY-P YSKD1 (-BS)



Specifications

Model			PUHY-P850YSKD1 (-BS)	PUHY-P900YSKD1 (-BS)	PUHY-P950YSKD1 (-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 *1		kW	93.0	96.0	103.0
		BTU/h	318,000	328,000	352,000
	Power input	kW	27.27	29.00	31.30
	Current input	A	46.0-43.7-42.1	48.9-46.5-44.8	52.8-50.1-48.3
	EER	kW/kW	3.41	3.31	3.29
Cooling capacity *2		kW	94.4	97.4	105.2
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 *3		kW	93.0	96.0	103.0
		BTU/h	317,300	327,600	351,400
	Power input	kW	25.40	28.07	30.56
	Current input	A	42.8-40.7-39.2	47.3-45.0-43.3	51.5-49.0-47.2
	COP	kW/kW	3.66	3.42	3.37
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~P500/1~50	P15~P500/1~50	P15~P500/1~50
Sound pressure level (measured in anechoic room) *5		dB <A>	66	66	67.5
Sound pressure level (measured in anechoic room, T3 condition) *4		dB <A>	66	66	67.5
Refrigerant piping diameter	Liquid pipe	mm (in.)	19.05 (3/4) Brazed	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	41.28 (1-5/8) Brazed

Set Model

Model			PUHY-P400YKD1 (-BS)	PUHY-P450YKD1 (-BS)	PUHY-P450YKD1 (-BS)	PUHY-P450YKD1 (-BS)	PUHY-P450YKD1 (-BS)	PUHY-P500YKD1 (-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
	Air flow rate (T3 condition) *4	m^3/min	246	246	246	246	246	433
		L/s	4,100	4,100	4,100	4,100	4,100	7,217
		cfm	8,686	8,686	8,686	8,686	8,686	15,289
	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	0.92 x 1	0.92 x 1	0.92 x 2
*6	External static press.		0 Pa (0 mmH_2O)	0 Pa (0 mmH_2O)	0 Pa (0 mmH_2O)	0 Pa (0 mmH_2O)	0 Pa (0 mmH_2O)	0 Pa (0 mmH_2O)
Compressor	Type		Inverter scroll hermetic compressor		Inverter scroll hermetic compressor		Inverter scroll hermetic compressor	
	Starting method		Inverter	Inverter	Inverter	Inverter	Inverter	Inverter
	Motor output	kW	10.8	12.4	12.4	12.4	12.4	13.3
	Case heater	kW	-	-	-	-	-	-
	Lubricant		MEL32	MEL32	MEL32	MEL32	MEL32	MEL32
External finish			Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>		Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>		Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 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)		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 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 11.5 kg (26 lbs)	R410A x 11.8 kg (27 lbs)
	Control		LEV and HIC circuit		LEV and HIC circuit		LEV and HIC circuit	
Net weight		kg (lbs)	241 (532)	241 (532)	241 (532)	241 (532)	241 (532)	285 (629)
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.)	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-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, *3 Nominal conditions (subject to JIS B8615-2)

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

Cooling capacity (BTU/h) is calculated based on SASO 2874.

*2 Reference data under following conditons

	Indoor	Outdoor	Pipe length	Level difference
Cooling	27°C D.B./19.5°C W.B. (81°F D.B./67°F W.B.)	35°C D.B. (95°F D.B.)	7.5m (24-9/16ft.)	0m (0ft.)

*4 T3 conditions (subject to UAE.S ISO 15042)

	Indoor	Outdoor	Pipe length	Level difference
Cooling	29°C D.B./19°C W.B. (84°F D.B./66°F W.B.)	46°C D.B./24°C W.B. (115°F D.B./75°F W.B.)	7.5m (24-9/16ft.)	0m (0ft.)

*5 The sound pressure level measured by the conventional method in JIS for reference purpose.
*6 External static pressure option is available (30 Pa, 60 Pa/3.1 mmH_2O, 6.1 mmH_2O). Refer to the capacity table in DATABOOK for details.

OUTDOOR UNIT

YKD1-series PUHY-P YSKD1 (-BS)



Specifications

Model			PUHY-P1000YSKD1 (-BS)	PUHY-P1050YSKD1 (-BS)	PUHY-P1100YSKD1 (-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 *1		kW	110.0	115.0	122.0
		BTU/h	376,000	392,000	415,000
	Power input	kW	33.63	29.26	30.96
	Current input	A	56.7-53.9-51.9	49.3-46.9-45.2	52.2-49.6-47.8
	EER	kW/kW	3.27	3.93	3.94
Cooling capacity *2		kW	112.3	117.4	124.6
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 *3		kW	110.0	115.0	121.5
		BTU/h	375,300	392,400	414,600
	Power input	kW	33.13	31.50	33.80
	Current input	A	55.9-53.1-51.2	53.1-50.5-48.6	57.0-54.2-52.2
	COP	kW/kW	3.32	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)	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~P500/1~50	P15~P500/2~50	P15~P500/2~50
Sound pressure level (measured in anechoic room) *5		dB <A>	68	66.5	66.5
Sound pressure level (measured in anechoic room, T3 condition) *4		dB <A>	68	67.5	67.5
Refrigerant piping diameter	Liquid pipe	mm (in.)	19.05 (3/4) Brazed	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	41.28 (1-5/8) Brazed

Set Model

Model			PUHY-P500YKD1 (-BS)	PUHY-P500YKD1 (-BS)	PUHY-P300YKD1 (-BS)	PUHY-P300YKD1 (-BS)	PUHY-P450YKD1 (-BS)	PUHY-P300YKD1 (-BS)	PUHY-P350YKD1 (-BS)	PUHY-P450YKD1 (-BS)
FAN	Type x Quantity		Propeller fan x 2	Propeller fan x 2	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	360	360	185	185	210	185	210	210
		L/s	6,000	6,000	3,083	3,083	3,500	3,083	3,500	3,500
		cfm	12,712	12,712	6,532	6,532	7,415	6,532	7,415	7,415
	Air flow rate (T3 condition) *4	m^3/min	433	433	222	222	246	222	246	246
		L/s	7,217	7,217	3,700	3,700	4,100	3,700	4,100	4,100
		cfm	15,289	15,289	7,839	7,839	8,686	7,839	8,686	8,686
	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 2	0.92 x 2	0.92 x 1	0.92 x 1	0.92 x 1	0.92 x 1	0.92 x 1	0.92 x 1
*6	External static press.		0 Pa (0 mmH_2O)	0 Pa (0 mmH_2O)	0 Pa (0 mmH_2O)	0 Pa (0 mmH_2O)	0 Pa (0 mmH_2O)	0 Pa (0 mmH_2O)	0 Pa (0 mmH_2O)	0 Pa (0 mmH_2O)
Compressor	Type		Inverter scroll hermetic compressor		Inverter scroll hermetic compressor			Inverter scroll hermetic compressor		
	Starting method		Inverter	Inverter	Inverter	Inverter	Inverter	Inverter	Inverter	Inverter
	Motor output	kW	13.3	13.3	8.1	8.1	12.4	8.1	10.4	12.4
	Case heater	kW	-	-	-	-	-	-	-	-
	Lubricant		MEL32	MEL32	MEL32	MEL32	MEL32	MEL32	MEL32	MEL32
External finish			Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>		Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>			Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>		
External dimension H x W x D		mm	1,650 x 1,750 x 740	1,650 x 1,750 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	1,650 x 1,220 x 740
		in.	65 x 68-15/16 x 29-3/16	65 x 68-15/16 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	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		
	Compressor		-	-	-	-	-	-	-	-
	Fan motor		-	-	-	-	-	-	-	-
Refrigerant	Type x original charge		R410A x 11.8 kg (27 lbs)	R410A x 11.8 kg (27 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)	R410A x 11.5 kg (26 lbs)
	Control		LEV and HIC circuit		LEV and HIC circuit			LEV and HIC circuit		
Net weight		kg (lbs)	285 (629)	285 (629)	204 (450)	204 (450)	241 (532)	204 (450)	243 (536)	241 (532)
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.)	15.88 (5/8) Brazed	15.88 (5/8) Brazed	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	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-Y200VBK2 Joint: CMY-Y102SS/LS-G2, CMY-Y202S/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			Outdoor Twinning kit: CMY-Y300VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202/302S-G2 Header: CMY-Y104/108/1010-G		

Notes:

*1, *3 Nominal conditions (subject to JIS B8615-2)

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

Cooling capacity (BTU/h) is calculated based on SASO 2874.

*2 Reference data under following conditons

	Indoor	Outdoor	Pipe length	Level difference
Cooling	27°C D.B./19.5°C W.B. (81°F D.B./67°F W.B.)	35°C D.B. (95°F D.B.)	7.5m (24-9/16ft.)	0m (0ft.)

*4 T3 conditions (subject to UAE.S ISO 15042)

	Indoor	Outdoor	Pipe length	Level difference
Cooling	29°C D.B./19°C W.B. (84°F D.B./66°F W.B.)	46°C D.B./24°C W.B. (115°F D.B./75°F W.B.)	7.5m (24-9/16ft.)	0m (0ft.)

*5 The sound pressure level measured by the conventional method in JIS for reference purpose.
*6 External static pressure option is available (30 Pa, 60 Pa/3.1 mmH_2O, 6.1 mmH_2O). Refer to the capacity table in DATABOOK for details.

OUTDOOR UNIT

YKD1-series
PUHY-P YSKD1 (-BS)



Specifications

Model			PUHY-P1150YSKD1 (-BS)	PUHY-P1200YSKD1 (-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 *1		kW	130.0	135.0
		BTU/h	445,000	460,000
	Power input	kW	34.90	38.35
	Current input	A	58.9-55.9-53.9	64.7-61.5-59.2
	EER	kW/kW	3.72	3.52
Cooling capacity *2		kW	132.7	137.8
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 *3		kW	130.0	135.0
		BTU/h	443,600	460,600
	Power input	kW	35.51	37.70
	Current input	A	59.9-56.9-54.8	63.6-60.4-58.2
	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~P500/2~50	P15~P500/2~50
Sound pressure level (measured in anechoic room) *5		dB <A>	67.5	68
Sound pressure level (measured in anechoic room, T3 condition) *4		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-P350YKD1 (-BS)	PUHY-P400YKD1 (-BS)	PUHY-P400YKD1 (-BS)	PUHY-P400YKD1 (-BS)	PUHY-P400YKD1 (-BS)	PUHY-P400YKD1 (-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	210	210	210	210	210	210
		L/s	3,500	3,500	3,500	3,500	3,500	3,500
		cfm	7,415	7,415	7,415	7,415	7,415	7,415
	Air flow rate (T3 condition) *4	m^3/min	246	246	246	246	246	246
		L/s	4,100	4,100	4,100	4,100	4,100	4,100
		cfm	8,686	8,686	8,686	8,686	8,686	8,686
	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 1
*6	External static press.		0 Pa (0 mmH_2O)	0 Pa (0 mmH_2O)	0 Pa (0 mmH_2O)	0 Pa (0 mmH_2O)	0 Pa (0 mmH_2O)	0 Pa (0 mmH_2O)
Compressor	Type		Inverter scroll hermetic compressor			Inverter scroll hermetic compressor		
	Starting method		Inverter	Inverter	Inverter	Inverter	Inverter	Inverter
	Motor output	kW	10.4	10.8	10.8	10.8	10.8	10.8
	Case heater	kW	-	-	-	-	-	-
	Lubricant		MEL32	MEL32	MEL32	MEL32	MEL32	MEL32
External finish			Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>			Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 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 1,220 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	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		
	Compressor		-	-	-	-	-	-
	Fan motor		-	-	-	-	-	-
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 11.5 kg (26 lbs)	R410A x 11.5 kg (26 lbs)
	Control		LEV and HIC circuit			LEV and HIC circuit		
Net weight		kg (lbs)	243 (536)	241 (532)	241 (532)	241 (532)	241 (532)	241 (532)
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	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, *3 Nominal conditions (subject to JIS B8615-2)

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

Cooling capacity (BTU/h) is calculated based on SASO 2874.

*2 Reference data under following conditons

	Indoor	Outdoor	Pipe length	Level difference
Cooling	27°C D.B./19.5°C W.B. (81°F D.B./67°F W.B.)	35°C D.B. (95°F D.B.)	7.5m (24-9/16ft.)	0m (0ft.)

*4 T3 conditions (subject to UAE.S ISO 15042)

	Indoor	Outdoor	Pipe length	Level difference
Cooling	29°C D.B./19°C W.B. (84°F D.B./66°F W.B.)	46°C D.B./24°C W.B. (115°F D.B./75°F W.B.)	7.5m (24-9/16ft.)	0m (0ft.)

*5 The sound pressure level measured by the conventional method in JIS for reference purpose.
*6 External static pressure option is available (30 Pa, 60 Pa/3.1 mmH_2O, 6.1 mmH_2O). Refer to the capacity table in DATABOOK for details.

OUTDOOR UNIT

YKD1-series

PUHY-P YSKD1 (-BS)



Specifications

Model			PUHY-P1250YSKD1 (-BS)	PUHY-P1300YSKD1 (-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 *1		kW	138.0	141.0
		BTU/h	470,000	480,000
	Power input	kW	40.00	41.83
	Current input	A	67.5-64.1-61.8	70.6-67.0-64.6
	EER	kW/kW	3.45	3.37
Cooling capacity *2		kW	140.9	144.0
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 *3		kW	138.0	141.0
		BTU/h	470,900	481,100
	Power input	kW	40.35	42.98
	Current input	A	68.1-64.7-62.3	72.5-68.9-66.4
	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~P500/2~50	P15~P500/2~50
Sound pressure level (measured in anechoic room) *5		dB <A>	68	68
Sound pressure level (measured in anechoic room, T3 condition) *4		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-P400YKD1 (-BS)	PUHY-P400YKD1 (-BS)	PUHY-P450YKD1 (-BS)	PUHY-P400YKD1 (-BS)	PUHY-P450YKD1 (-BS)	PUHY-P450YKD1 (-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	210	210	210	210	210	210
		L/s	3,500	3,500	3,500	3,500	3,500	3,500
		cfm	7,415	7,415	7,415	7,415	7,415	7,415
	Air flow rate (T3 condition) *4	m^3/min	246	246	246	246	246	246
		L/s	4,100	4,100	4,100	4,100	4,100	4,100
		cfm	8,686	8,686	8,686	8,686	8,686	8,686
	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 1
*6	External static press.		0 Pa (0 mmH_2O)	0 Pa (0 mmH_2O)	0 Pa (0 mmH_2O)	0 Pa (0 mmH_2O)	0 Pa (0 mmH_2O)	0 Pa (0 mmH_2O)
Compressor	Type		Inverter scroll hermetic compressor			Inverter scroll hermetic compressor		
	Starting method		Inverter	Inverter	Inverter	Inverter	Inverter	Inverter
	Motor output	kW	10.8	10.8	12.4	10.8	12.4	12.4
	Case heater	kW	-	-	-	-	-	-
	Lubricant		MEL32	MEL32	MEL32	MEL32	MEL32	MEL32
External finish			Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>			Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 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 1,220 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	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		
	Compressor		-	-	-	-	-	-
	Fan motor		-	-	-	-	-	-
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 11.5 kg (26 lbs)	R410A x 11.5 kg (26 lbs)
	Control		LEV and HIC circuit			LEV and HIC circuit		
Net weight		kg (lbs)	241 (532)	241 (532)	241 (532)	241 (532)	241 (532)	241 (532)
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, *3 Nominal conditions (subject to JIS B8615-2)

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

Cooling capacity (BTU/h) is calculated based on SASO 2874.

*2 Reference data under following conditons

	Indoor	Outdoor	Pipe length	Level difference
Cooling	27°C D.B./19.5°C W.B. (81°F D.B./67°F W.B.)	35°C D.B. (95°F D.B.)	7.5m (24-9/16ft.)	0m (0ft.)

*4 T3 conditions (subject to UAE.S ISO 15042)

	Indoor	Outdoor	Pipe length	Level difference
Cooling	29°C D.B./19°C W.B. (84°F D.B./66°F W.B.)	46°C D.B./24°C W.B. (115°F D.B./75°F W.B.)	7.5m (24-9/16ft.)	0m (0ft.)

*5 The sound pressure level measured by the conventional method in JIS for reference purpose.
*6 External static pressure option is available (30 Pa, 60 Pa/3.1 mmH_2O, 6.1 mmH_2O). Refer to the capacity table in DATABOOK for details.

OUTDOOR UNIT

YKD1-series
PUHY-P YSKD1 (-BS)



Specifications

Model			PUHY-P1350YSKD1 (-BS)	PUHY-P1400YSKD1 (-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 *1		kW	144.0	151.0
		BTU/h	490,000	515,000
	Power input	kW	43.63	45.89
	Current input	A	73.6-69.9-67.4	77.4-73.5-70.9
	EER	kW/kW	3.30	3.29
Cooling capacity *2		kW	147.0	154.2
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 *3		kW	144.0	151.0
		BTU/h	491,300	515,200
	Power input	kW	46.15	49.50
	Current input	A	77.9-74.0-71.3	83.5-79.3-76.5
	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~P500/2~50	P15~P500/2~50
Sound pressure level (measured in anechoic room) *5		dB <A>	68	68.5
Sound pressure level (measured in anechoic room, T3 condition) *4		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-P450YKD1 (-BS)	PUHY-P450YKD1 (-BS)	PUHY-P450YKD1 (-BS)	PUHY-P450YKD1 (-BS)	PUHY-P450YKD1 (-BS)	PUHY-P500YKD1 (-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
	Air flow rate (T3 condition) *4	m^3/min	246	246	246	246	246	433
		L/s	4,100	4,100	4,100	4,100	4,100	7,217
		cfm	8,686	8,686	8,686	8,686	8,686	15,289
	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
*6	External static press.		0 Pa (0 mmH_2O)	0 Pa (0 mmH_2O)	0 Pa (0 mmH_2O)	0 Pa (0 mmH_2O)	0 Pa (0 mmH_2O)	0 Pa (0 mmH_2O)
Compressor	Type		Inverter scroll hermetic compressor			Inverter scroll hermetic compressor		
	Starting method		Inverter	Inverter	Inverter	Inverter	Inverter	Inverter
	Motor output	kW	12.4	12.4	12.4	12.4	12.4	13.3
	Case heater	kW	-	-	-	-	-	-
	Lubricant		MEL32	MEL32	MEL32	MEL32	MEL32	MEL32
External finish			Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>			Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 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		
	Compressor		-	-	-	-	-	-
	Fan motor		-	-	-	-	-	-
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 11.5 kg (26 lbs)	R410A x 11.8 kg (27 lbs)
	Control		LEV and HIC circuit			LEV and HIC circuit		
Net weight		kg (lbs)	241 (532)	241 (532)	241 (532)	241 (532)	241 (532)	285 (629)
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, *3 Nominal conditions (subject to JIS B8615-2)

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

Cooling capacity (BTU/h) is calculated based on SASO 2874.

*2 Reference data under following conditons

	Indoor	Outdoor	Pipe length	Level difference
Cooling	27°C D.B./19.5°C W.B. (81°F D.B./67°F W.B.)	35°C D.B. (95°F D.B.)	7.5m (24-9/16ft.)	0m (0ft.)

*4 T3 conditions (subject to UAE.S ISO 15042)

	Indoor	Outdoor	Pipe length	Level difference
Cooling	29°C D.B./19°C W.B. (84°F D.B./66°F W.B.)	46°C D.B./24°C W.B. (115°F D.B./75°F W.B.)	7.5m (24-9/16ft.)	0m (0ft.)

*5 The sound pressure level measured by the conventional method in JIS for reference purpose.
*6 External static pressure option is available (30 Pa, 60 Pa/3.1 mmH_2O, 6.1 mmH_2O). Refer to the capacity table in DATABOOK for details.

OUTDOOR UNIT

YKD1-series
PUHY-P YSKD1 (-BS)



Specifications

Model			PUHY-P1450YSKD1 (-BS)	PUHY-P1500YSKD1 (-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 *1		kW	158.0	165.0
		BTU/h	540,000	565,000
	Power input	kW	48.17	50.45
	Current input	A	81.3-77.2-74.4	85.1-80.9-77.9
	EER	kW/kW	3.28	3.27
Cooling capacity *2		kW	161.3	168.5
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 *3		kW	158.0	165.0
		BTU/h	539,100	563,000
	Power input	kW	52.49	56.12
	Current input	A	88.6-84.1-81.1	94.7-90.0-86.7
	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~P500/2~50	P15~P500/2~50
Sound pressure level (measured in anechoic room) *5		dB <A>	69.5	70
Sound pressure level (measured in anechoic room, T3 condition) *4		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-P450YKD1 (-BS)	PUHY-P500YKD1 (-BS)	PUHY-P500YKD1 (-BS)	PUHY-P500YKD1 (-BS)	PUHY-P500YKD1 (-BS)	PUHY-P500YKD1 (-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
	Air flow rate (T3 condition) *4	m^3/min	246	433	433	433	433	433
		L/s	4,100	7,217	7,217	7,217	7,217	7,217
		cfm	8,686	15,289	15,289	15,289	15,289	15,289
	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
*6	External static press.		0 Pa (0 mmH_2O)	0 Pa (0 mmH_2O)	0 Pa (0 mmH_2O)	0 Pa (0 mmH_2O)	0 Pa (0 mmH_2O)	0 Pa (0 mmH_2O)
Compressor	Type		Inverter scroll hermetic compressor			Inverter scroll hermetic compressor		
	Starting method		Inverter	Inverter	Inverter	Inverter	Inverter	Inverter
	Motor output	kW	12.4	13.3	13.3	13.3	13.3	13.3
	Case heater	kW	-	-	-	-	-	-
	Lubricant		MEL32	MEL32	MEL32	MEL32	MEL32	MEL32
External finish			Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>			Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 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		
	Compressor		-	-	-	-	-	-
	Fan motor		-	-	-	-	-	-
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)
	Control		LEV and HIC circuit			LEV and HIC circuit		
Net weight		kg (lbs)	241 (532)	285 (629)	285 (629)	285 (629)	285 (629)	285 (629)
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, *3 Nominal conditions (subject to JIS B8615-2)

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

Cooling capacity (BTU/h) is calculated based on SASO 2874.

*2 Reference data under following conditons

	Indoor	Outdoor	Pipe length	Level difference
Cooling	27°C D.B./19.5°C W.B. (81°F D.B./67°F W.B.)	35°C D.B. (95°F D.B.)	7.5m (24-9/16ft.)	0m (0ft.)

*4 T3 conditions (subject to UAE.S ISO 15042)

	Indoor	Outdoor	Pipe length	Level difference
Cooling	29°C D.B./19°C W.B. (84°F D.B./66°F W.B.)	46°C D.B./24°C W.B. (115°F D.B./75°F W.B.)	7.5m (24-9/16ft.)	0m (0ft.)

*5 The sound pressure level measured by the conventional method in JIS for reference purpose.
*6 External static pressure option is available (30 Pa, 60 Pa/3.1 mmH_2O, 6.1 mmH_2O). Refer to the capacity table in DATABOOK for details.

OUTDOOR UNIT

YKD1-series - High Efficiency
PUHY-EP YSKD1 (-BS)



Specifications

Model			PUHY-EP400YSKD1 (-BS)	PUHY-EP450YSKD1 (-BS)	PUHY-EP500YSKD1 (-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 *1		kW	45.0	50.5	56.0
		BTU/h	154,000	172,000	192,000
	Power input	kW	9.25	10.56	11.91
	Current input	A	15.6-14.8-14.2	17.8-16.9-16.3	20.1-19.1-18.4
	EER	kW/kW	4.86	4.78	4.70
Cooling capacity *2		kW	45.6	51.2	56.8
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 *3		kW	44.8	50.4	56.0
		BTU/h	152,900	172,000	191,100
	Power input	kW	10.66	12.00	13.36
	Current input	A	17.9-17.0-16.4	20.2-19.2-18.5	22.5-21.4-20.6
	COP	kW/kW	4.20	4.20	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)
	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~P500/1~34	P15~P500/1~39	P15~P500/1~43
Sound pressure level (measured in anechoic room) *5		dB <A>	60	60.5	61
Sound pressure level (measured in anechoic room, T3 condition) *4		dB <A>	65.5	65.5	65.5
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

Set Model

Model			PUHY-P200YKD1 (-BS)	PUHY-P200YKD1 (-BS)	PUHY-P200YKD1 (-BS)	PUHY-P250YKD1 (-BS)	PUHY-P250YKD1 (-BS)	PUHY-P250YKD1 (-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
	Air flow rate (T3 condition) *4	m^3/min	222	222	222	222	222	222
		L/s	3,700	3,700	3,700	3,700	3,700	3,700
		cfm	7,839	7,839	7,839	7,839	7,839	7,839
	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	0.92 x 1	0.92 x 1	0.92 x 1
*6	External static press.		0 Pa (0 mmH_2O)	0 Pa (0 mmH_2O)	0 Pa (0 mmH_2O)	0 Pa (0 mmH_2O)	0 Pa (0 mmH_2O)	0 Pa (0 mmH_2O)
Compressor	Type		Inverter scroll hermetic compressor		Inverter scroll hermetic compressor		Inverter scroll hermetic compressor	
	Starting method		Inverter	Inverter	Inverter	Inverter	Inverter	Inverter
	Motor output	kW	5.5	5.5	5.5	6.9	6.9	6.9
	Case heater	kW	-	-	-	-	-	-
	Lubricant		MEL32	MEL32	MEL32	MEL32	MEL32	MEL32
External finish			Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>		Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>		Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 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	
	Compressor		-	-	-	-	-	-
	Fan motor		-	-	-	-	-	-
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)
	Control		LEV and HIC circuit		LEV and HIC circuit		LEV and HIC circuit	
Net weight		kg (lbs)	191 (422)	191 (422)	191 (422)	191 (422)	191 (422)	191 (422)
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, *3 Nominal conditions (subject to JIS B8615-2)

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

Cooling capacity (BTU/h) is calculated based on SASO 2874.

*2 Reference data under following conditons

	Indoor	Outdoor	Pipe length	Level difference
Cooling	27°C D.B./19.5°C W.B. (81°F D.B./67°F W.B.)	35°C D.B. (95°F D.B.)	7.5m (24-9/16ft.)	0m (0ft.)

*4 T3 conditions (subject to UAE.S ISO 15042)

	Indoor	Outdoor	Pipe length	Level difference
Cooling	29°C D.B./19°C W.B. (84°F D.B./66°F W.B.)	46°C D.B./24°C W.B. (115°F D.B./75°F W.B.)	7.5m (24-9/16ft.)	0m (0ft.)

*5 The sound pressure level measured by the conventional method in JIS for reference purpose.
*6 External static pressure option is available (30 Pa, 60 Pa/3.1 mmH_2O, 6.1 mmH_2O). Refer to the capacity table in DATABOOK for details.

OUTDOOR UNIT

YKD1-series - High Efficiency

PUHY-EP YSKD1 (-BS)



Specifications

Model			PUHY-EP650YSKD1 (-BS)	PUHY-EP700YSKD1 (-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 *1		kW	73.5	80.0
		BTU/h	252,000	274,000
	Power input	kW	17.83	19.75
	Current input	A	30.0-28.5-27.5	33.3-31.6-30.5
	EER	kW/kW	4.12	4.05
Cooling capacity *2		kW	75.0	81.2
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 *3		kW	73.5	80.0
		BTU/h	250,800	273,000
	Power input	kW	18.70	20.25
	Current input	A	31.5-29.9-28.9	34.1-32.4-31.3
	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~P500/1~50	P15~P500/1~50
Sound pressure level (measured in anechoic room) *5		dB <A>	64	64
Sound pressure level (measured in anechoic room, T3 condition) *4		dB <A>	65.5	65.5
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-P300YKD1 (-BS)	PUHY-P350YKD1 (-BS)	PUHY-P350YKD1 (-BS)	PUHY-P350YKD1 (-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	185	210	210	210
		L/s	3,083	3,500	3,500	3,500
		cfm	6,532	7,415	7,415	7,415
	Air flow rate (T3 condition) *4	m^3/min	222	246	246	246
		L/s	3,700	4,100	4,100	4,100
		cfm	7,839	8,686	8,686	8,686
	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
*6	External static press.		0 Pa (0 mmH_2O)	0 Pa (0 mmH_2O)	0 Pa (0 mmH_2O)	0 Pa (0 mmH_2O)
Compressor	Type		Inverter scroll hermetic compressor		Inverter scroll hermetic compressor	
	Starting method		Inverter	Inverter	Inverter	Inverter
	Motor output	kW	8.1	10.4	10.4	10.4
	Case heater	kW	-	-	-	-
	Lubricant		MEL32	MEL32	MEL32	MEL32
External finish			Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>		Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 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 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 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	
	Compressor		-	-	-	-
	Fan motor		-	-	-	-
Refrigerant	Type x original charge		R410A x 8.0 kg (18 lbs)	R410A x 11.5 kg (26 lbs)	R410A x 11.5 kg (26 lbs)	R410A x 11.5 kg (26 lbs)
	Control		LEV and HIC circuit		LEV and HIC circuit	
Net weight		kg (lbs)	204 (450)	243 (536)	243 (536)	243 (536)
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	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/302S-G2 Header: CMY-Y104/108/1010-G		Outdoor Twinning kit: CMY-Y100VBK2 Joint: CMY-Y102SS/LS-G2, CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010-G	

Notes:

*1, *3 Nominal conditions (subject to JIS B8615-2)

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

Cooling capacity (BTU/h) is calculated based on SASO 2874.

*2 Reference data under following conditons

	Indoor	Outdoor	Pipe length	Level difference
Cooling	27°C D.B./19.5°C W.B. (81°F D.B./67°F W.B.)	35°C D.B. (95°F D.B.)	7.5m (24-9/16ft.)	0m (0ft.)

*4 T3 conditions (subject to UAE.S ISO 15042)

	Indoor	Outdoor	Pipe length	Level difference
Cooling	29°C D.B./19°C W.B. (84°F D.B./66°F W.B.)	46°C D.B./24°C W.B. (115°F D.B./75°F W.B.)	7.5m (24-9/16ft.)	0m (0ft.)

*5 The sound pressure level measured by the conventional method in JIS for reference purpose.
*6 External static pressure option is available (30 Pa, 60 Pa/3.1 mmH_2O, 6.1 mmH_2O). Refer to the capacity table in DATABOOK for details.

OUTDOOR UNIT

YKD1-series - High Efficiency

PUHY-EP YSKD1 (-BS)



Specifications

Model			PUHY-EP750YSKD1 (-BS)	PUHY-EP800YSKD1 (-BS)	PUHY-EP850YSKD1 (-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 *1		kW	85.0	90.5	96.0
		BTU/h	290,000	310,000	328,000
	Power input	kW	19.23	20.85	22.53
	Current input	A	32.4-30.8-29.7	35.1-33.4-32.2	38.0-36.1-34.8
	EER	kW/kW	4.42	4.34	4.26
Cooling capacity *2		kW	86.8	92.4	98.0
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 *3		kW	84.8	90.4	96.0
		BTU/h	289,300	308,400	327,600
	Power input	kW	20.58	21.99	23.35
	Current input	A	34.7-33.0-31.8	37.1-35.2-33.9	39.4-37.4-36.0
	COP	kW/kW	4.12	4.11	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)	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~P500/1~50	P15~P500/1~50	P15~P500/1~50
Sound pressure level (measured in anechoic room) *5		dB <A>	64	64	64
Sound pressure level (measured in anechoic room, T3 condition) *4		dB <A>	67.5	67.5	67.5
Refrigerant piping diameter	Liquid pipe	mm (in.)	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	41.28 (1-5/8) Brazed

Set Model

Model			PUHY-P200YKD1 (-BS)	PUHY-P200YKD1 (-BS)	PUHY-P350YKD1 (-BS)	PUHY-P200YKD1 (-BS)	PUHY-P250YKD1 (-BS)	PUHY-P350YKD1 (-BS)	PUHY-P250YKD1 (-BS)	PUHY-P250YKD1 (-BS)	PUHY-P350YKD1 (-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	Propeller fan x 1	Propeller fan x 1	Propeller fan x 1
	Air flow rate	m^3/min	175	175	210	175	175	210	175	175	210
		L/s	2,917	2,917	3,500	2,917	2,917	3,500	2,917	2,917	3,500
		cfm	6,179	6,179	7,415	6,179	6,179	7,415	6,179	6,179	7,415
	Air flow rate (T3 condition) *4	m^3/min	222	222	246	222	222	246	222	222	246
		L/s	3,700	3,700	4,100	3,700	3,700	4,100	3,700	3,700	4,100
		cfm	7,839	7,839	8,686	7,839	7,839	8,686	7,839	7,839	8,686
	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	0.92 x 1	0.92 x 1	0.92 x 1	0.92 x 1	0.92 x 1	0.92 x 1
*6	External static press.		0 Pa (0 mmH_2O)	0 Pa (0 mmH_2O)	0 Pa (0 mmH_2O)	0 Pa (0 mmH_2O)	0 Pa (0 mmH_2O)	0 Pa (0 mmH_2O)	0 Pa (0 mmH_2O)	0 Pa (0 mmH_2O)	0 Pa (0 mmH_2O)
Compressor	Type		Inverter scroll hermetic compressor			Inverter scroll hermetic compressor			Inverter scroll hermetic compressor		
	Starting method		Inverter	Inverter	Inverter	Inverter	Inverter	Inverter	Inverter	Inverter	Inverter
	Motor output	kW	5.5	5.5	10.4	5.5	6.9	10.4	6.9	6.9	10.4
	Case heater	kW	-	-	-	-	-	-	-	-	-
	Lubricant		MEL32	MEL32	MEL32	MEL32	MEL32	MEL32	MEL32	MEL32	MEL32
External finish			Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>			Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>			Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 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 920 x 740	1,650 x 1,220 x 740	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	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 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		
	Compressor		-	-	-	-	-	-	-	-	-
	Fan motor		-	-	-	-	-	-	-	-	-
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 8.0 kg (18 lbs)	R410A x 11.5 kg (26 lbs)	R410A x 8.0 kg (18 lbs)	R410A x 8.0 kg (18 lbs)	R410A x 11.5 kg (26 lbs)
	Control		LEV and HIC circuit			LEV and HIC circuit			LEV and HIC circuit		
Net weight		kg (lbs)	191 (422)	191 (422)	243 (536)	191 (422)	191 (422)	243 (536)	191 (422)	191 (422)	243 (536)
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	12.7 (1/2) Brazed	9.52 (3/8) Brazed	9.52 (3/8) Brazed	12.7 (1/2) 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	28.58 (1-1/8) Brazed	22.2 (7/8) Brazed	22.2 (7/8) Brazed	28.58 (1-1/8) 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			Outdoor Twinning kit: CMY-Y300VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202/302S-G2 Header: CMY-Y104/108/1010-G		

Notes:

*1, *3 Nominal conditions (subject to JIS B8615-2)

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

Cooling capacity (BTU/h) is calculated based on SASO 2874.

*2 Reference data under following conditons

	Indoor	Outdoor	Pipe length	Level difference
Cooling	27°C D.B./19.5°C W.B. (81°F D.B./67°F W.B.)	35°C D.B. (95°F D.B.)	7.5m (24-9/16ft.)	0m (0ft.)

*4 T3 conditions (subject to UAE.S ISO 15042)

	Indoor	Outdoor	Pipe length	Level difference
Cooling	29°C D.B./19°C W.B. (84°F D.B./66°F W.B.)	46°C D.B./24°C W.B. (115°F D.B./75°F W.B.)	7.5m (24-9/16ft.)	0m (0ft.)

*5 The sound pressure level measured by the conventional method in JIS for reference purpose.
*6 External static pressure option is available (30 Pa, 60 Pa/3.1 mmH_2O, 6.1 mmH_2O). Refer to the capacity table in DATABOOK for details.

YKD1-series - High Efficiency

PUHY-EP YSKD1 (-BS)



Specifications

Model			PUHY-EP900YSKD1 (-BS)	PUHY-EP950YSKD1 (-BS)	PUHY-EP1000YSKD1 (-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 *1		kW	101.5	107.0	113.5
		BTU/h	346,000	366,000	388,000
	Power input	kW	24.16	26.75	28.80
	Current input	A	40.7-38.7-37.3	45.1-42.9-41.3	48.6-46.1-44.5
	EER	kW/kW	4.20	4.00	3.94
Cooling capacity *2		kW	103.6	109.2	115.9
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 *3		kW	101.5	107.0	113.5
		BTU/h	346,300	365,100	387,300
	Power input	kW	25.24	27.22	28.80
	Current input	A	42.6-40.4-39.0	45.9-43.6-42.0	48.6-46.1-44.5
	COP	kW/kW	4.02	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)	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~P500/1~50	P15~P500/1~50	P15~P500/1~50
Sound pressure level (measured in anechoic room) *5		dB <A>	65	66	66
Sound pressure level (measured in anechoic room, T3 condition) *4		dB <A>	67.5	67.5	67.5
Refrigerant piping diameter	Liquid pipe	mm (in.)	19.05 (3/4) Brazed	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	41.28 (1-5/8) Brazed

Set Model

Model			PUHY-P250YKD1 (-BS)	PUHY-P300YKD1 (-BS)	PUHY-P350YKD1 (-BS)	PUHY-P300YKD1 (-BS)	PUHY-P300YKD1 (-BS)	PUHY-P350YKD1 (-BS)	PUHY-P300YKD1 (-BS)	PUHY-P350YKD1 (-BS)	PUHY-P350YKD1 (-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	Propeller fan x 1	Propeller fan x 1	Propeller fan x 1
	Air flow rate	m^3/min	175	185	210	185	185	210	185	210	210
		L/s	2,917	3,083	3,500	3,083	3,083	3,500	3,083	3,500	3,500
		cfm	6,179	6,532	7,415	6,532	6,532	7,415	6,532	7,415	7,415
	Air flow rate (T3 condition) *4	m^3/min	222	222	246	222	222	246	222	246	246
		L/s	3,700	3,700	4,100	3,700	3,700	4,100	3,700	4,100	4,100
		cfm	7,839	7,839	8,686	7,839	7,839	8,686	7,839	8,686	8,686
	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	0.92 x 1	0.92 x 1	0.92 x 1	0.92 x 1	0.92 x 1	0.92 x 1
*6	External static press.		0 Pa (0 mmH_2O)	0 Pa (0 mmH_2O)	0 Pa (0 mmH_2O)	0 Pa (0 mmH_2O)	0 Pa (0 mmH_2O)	0 Pa (0 mmH_2O)	0 Pa (0 mmH_2O)	0 Pa (0 mmH_2O)	0 Pa (0 mmH_2O)
Compressor	Type		Inverter scroll hermetic compressor			Inverter scroll hermetic compressor			Inverter scroll hermetic compressor		
	Starting method		Inverter	Inverter	Inverter	Inverter	Inverter	Inverter	Inverter	Inverter	Inverter
	Motor output	kW	6.9	8.1	10.4	8.1	8.1	10.4	8.1	10.4	10.4
	Case heater	kW	-	-	-	-	-	-	-	-	-
	Lubricant		MEL32	MEL32	MEL32	MEL32	MEL32	MEL32	MEL32	MEL32	MEL32
External finish			Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>			Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>			Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 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 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 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)			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 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 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)
	Control		LEV and HIC circuit			LEV and HIC circuit			LEV and HIC circuit		
Net weight		kg (lbs)	191 (422)	204 (450)	243 (536)	204 (450)	204 (450)	243 (536)	204 (450)	243 (536)	243 (536)
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	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	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	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			Outdoor Twinning kit: CMY-Y300VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202/302S-G2 Header: CMY-Y104/108/1010-G		

Notes:

*1, *3 Nominal conditions (subject to JIS B8615-2)

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

Cooling capacity (BTU/h) is calculated based on SASO 2874.

*2 Reference data under following conditons

	Indoor	Outdoor	Pipe length	Level difference
Cooling	27°C D.B./19.5°C W.B. (81°F D.B./67°F W.B.)	35°C D.B. (95°F D.B.)	7.5m (24-9/16ft.)	0m (0ft.)

*4 T3 conditions (subject to UAE.S ISO 15042)

	Indoor	Outdoor	Pipe length	Level difference
Cooling	29°C D.B./19°C W.B. (84°F D.B./66°F W.B.)	46°C D.B./24°C W.B. (115°F D.B./75°F W.B.)	7.5m (24-9/16ft.)	0m (0ft.)

*5 The sound pressure level measured by the conventional method in JIS for reference purpose.
*6 External static pressure option is available (30 Pa, 60 Pa/3.1 mmH_2O, 6.1 mmH_2O). Refer to the capacity table in DATABOOK for details.

OUTDOOR UNIT

YKD1-series - High Efficiency
PUHY-EP YSKD1 (-BS)



Specifications

Model			PUHY-EP1050YSKD1 (-BS)	PUHY-EP1100YSKD1 (-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 *1		kW	120.0	125.0
		BTU/h	410,000	425,000
	Power input	kW	29.62	32.55
	Current input	A	50.0-47.5-45.7	54.9-52.2-50.3
	EER	kW/kW	4.05	3.84
Cooling capacity *2		kW	122.5	127.6
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 *3		kW	120.0	125.0
		BTU/h	409,400	426,500
	Power input	kW	31.25	33.24
	Current input	A	52.7-50.1-48.3	56.1-53.3-51.3
	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	50~130% of outdoor unit capacity
	Model/Quantity		P15~P500/2~50	P15~P500/2~50
Sound pressure level (measured in anechoic room) *5		dB <A>	66	67
Sound pressure level (measured in anechoic room, T3 condition) *4		dB <A>	67.5	67.5
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-P350YKD1 (-BS)	PUHY-P350YKD1 (-BS)	PUHY-P350YKD1 (-BS)	PUHY-P350YKD1 (-BS)	PUHY-P350YKD1 (-BS)	PUHY-P400YKD1 (-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	210	210	210	210	210	210
		L/s	3,500	3,500	3,500	3,500	3,500	3,500
		cfm	7,415	7,415	7,415	7,415	7,415	7,415
	Air flow rate (T3 condition) *4	m^3/min	246	246	246	246	246	246
		L/s	4,100	4,100	4,100	4,100	4,100	4,100
		cfm	8,686	8,686	8,686	8,686	8,686	8,686
	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 1
*6	External static press.		0 Pa (0 mmH_2O)	0 Pa (0 mmH_2O)	0 Pa (0 mmH_2O)	0 Pa (0 mmH_2O)	0 Pa (0 mmH_2O)	0 Pa (0 mmH_2O)
Compressor	Type		Inverter scroll hermetic compressor			Inverter scroll hermetic compressor		
	Starting method		Inverter	Inverter	Inverter	Inverter	Inverter	Inverter
	Motor output	kW	10.4	10.4	10.4	10.4	10.4	10.8
	Case heater	kW	-	-	-	-	-	-
	Lubricant		MEL32	MEL32	MEL32	MEL32	MEL32	MEL32
External finish			Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>			Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 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 1,220 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	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		
	Compressor		-	-	-	-	-	-
	Fan motor		-	-	-	-	-	-
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 11.5 kg (26 lbs)	R410A x 11.5 kg (26 lbs)
	Control		LEV and HIC circuit			LEV and HIC circuit		
Net weight		kg (lbs)	243 (536)	243 (536)	243 (536)	243 (536)	243 (536)	241 (532)
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	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, *3 Nominal conditions (subject to JIS B8615-2)

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

Cooling capacity (BTU/h) is calculated based on SASO 2874.

*2 Reference data under following conditons

	Indoor	Outdoor	Pipe length	Level difference
Cooling	27°C D.B./19.5°C W.B. (81°F D.B./67°F W.B.)	35°C D.B. (95°F D.B.)	7.5m (24-9/16ft.)	0m (0ft.)

*4 T3 conditions (subject to UAE.S ISO 15042)

	Indoor	Outdoor	Pipe length	Level difference
Cooling	29°C D.B./19°C W.B. (84°F D.B./66°F W.B.)	46°C D.B./24°C W.B. (115°F D.B./75°F W.B.)	7.5m (24-9/16ft.)	0m (0ft.)

*5 The sound pressure level measured by the conventional method in JIS for reference purpose.
*6 External static pressure option is available (30 Pa, 60 Pa/3.1 mmH_2O, 6.1 mmH_2O). Refer to the capacity table in DATABOOK for details.