

PQHY-P YHMU-A



SPECIFICATIONS

Model		PQHY-P72YHMU-A	PQHY-P96YHMU-A	PQHY-P120YHMU-A
Power source		3-phase 3-wire 460 ±10% 60Hz		
Cooling capacity (Nominal)	*1 BTU / h	72,700	96,300	120,000
	*1 kW	21.3	28.2	35.2
	Power input kW	3.85	5.61	7.51
	Current input A	5.5	7.8	10.3
Temp. range of cooling	Indoor W.B.	59~75°F (15~24°C)	59~75°F (15~24°C)	59~75°F (15~24°C)
	Circulating water °F(°C)	50~113°F (10~45°C)	50~113°F (10~45°C)	50~113°F (10~45°C)
Heating capacity (Nominal)	*2 BTU / h	80000	108000	135000
	*2 kW	23.4	31.7	39.6
	Power input kW	3.83	6.18	7.62
	Current input A	5.3	8.6	10.6
Temp. range of heating	Indoor D.B.	59~81°F (15~27°C)	59~81°F (15~27°C)	59~81°F (15~27°C)
	Circulating water °F(°C)	50~113°F (10~45°C)	50~113°F (10~45°C)	50~113°F (10~45°C)
Indoor unit connectable	Total capacity	50~130% of heatsource unit capacity	50~130% of heatsource unit capacity	50~130% of heatsource unit capacity
	Model / Quantity	P06-P96 / 1~15	P06-P96 / 1~20	P06-P96 / 1~26
Sound pressure level (measured in anechoic room)	dB <A>	47	49	51
Refrigerant piping diameter [O.D.]	Liquid pipe in. (mm)	3/8 (9.52) Brazed	3/8 (9.52) Brazed (1/2(12.7) Brazed,total length >= 90m)	3/8 (9.52) Brazed (1/2(12.7) Brazed,total length >= 40m)
	Gas pipe in. (mm)	3/4 (19.05) Brazed	7/8 (22.2) Brazed	7/8 (22.2) Brazed
Circulating water	Water flow rate	G / h	1,522	1,522
		G / min	25.4	25.4
		cfm	3.4	3.4
		m³ / h	5.76	5.76
	Pressure drop	L / min	96	96
		kPa	17	17
		psi	2.47	2.47
	Operating volume range	G / h	1189 - 1902	1189 - 1902
G / min		19.8 - 31.7	19.8 - 31.7	19.8 - 31.7
	m³ / h	4.5 - 7.2	4.5 - 7.2	4.5 - 7.2
Compressor	Type x Quantity	Inverter scroll hermetic compressor		
	Starting method	Inverter		
	Motor output kW	4.6	6.3	8.5
	Case heater kW	0.051 (230V)	0.051 (230V)	0.051 (230V)
External finish		Acrylic painted steel plate		Acrylic painted steel plate
External dimension HxWxD	in.	43-5/16" x 34-11/16" x 21-11/16"		43-5/16" x 34-11/16" x 21-11/16"
	mm	1,100 x 880 x 550		1,100 x 880 x 550
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.)	Over-heat protection, Over-current protection		Over-heat protection, Over-current protection
	Compressor	Over-heat protection		Over-heat protection
Refrigerant	Type x original charge	R410A x (11 lbs + 1 oz) (5.0 kg)		R410A x (11 lbs + 1 oz) (5.0 kg)
Net weight	lbs (kg)	459 (208)	459 (208)	459 (208)
Heat exchanger			plate type	
	Water volume in plate	G	1.32	1.32
		L	5.0	5.0
	Water pressure Max.	psi	290	290
MPa		2.0	2.0	
Optional parts		joint :CMY-Y102S-G2 Header:CMY-Y104/108/1010-G	joint :CMY-Y102S-G2, CMY-Y102L-G2 Header:CMY-Y104/108/1010-G	joint :CMY-Y102S-G2, CMY-Y102L-G2 Header:CMY-Y104/108/1010-G

*1,*2 Nominal conditions

	Indoor	Water temperature	Pipe length	Level difference
Cooling	80°F D.B./67°F W.B. (26.7°C D.B./19.4°C W.B.)	85°F (29.4°C)	25ft. (7.6m)	0ft. (0m)
Heating	70°F D.B. (21.1°C D.B.)	70°F (21.1°C)		

*3 The ambient relative humidity of the Heat Source Unit needs to be kept below 80%.

*4 The ambient temperature of the Heat Source Unit needs to be kept below 104°F DB(40°C DB).

*5 The Heat Source Unit should not be installed at outdoor.

*6 Be sure to mount a strainer (more than 50 meshes) at the water inlet piping of the unit. (field supply)

*7 Be sure to provide interlocking for the unit operation and water circuit.

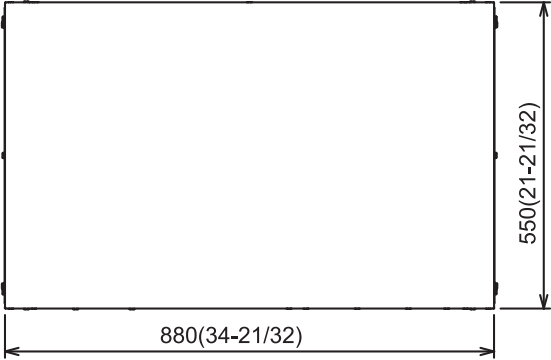
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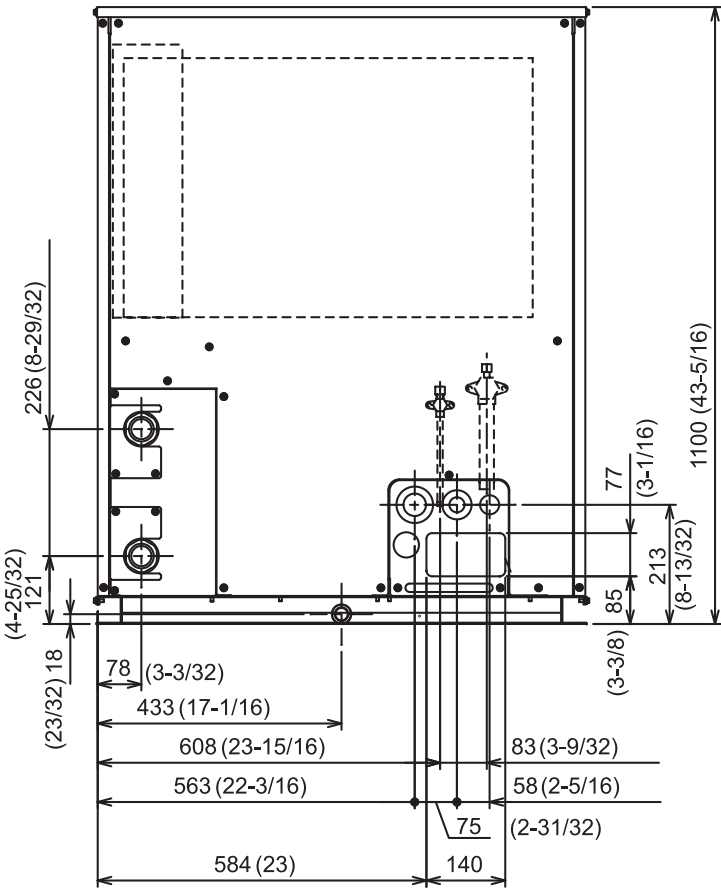
PQHY-P YHMU-A

PQHY-P72/96/120YHMU-A

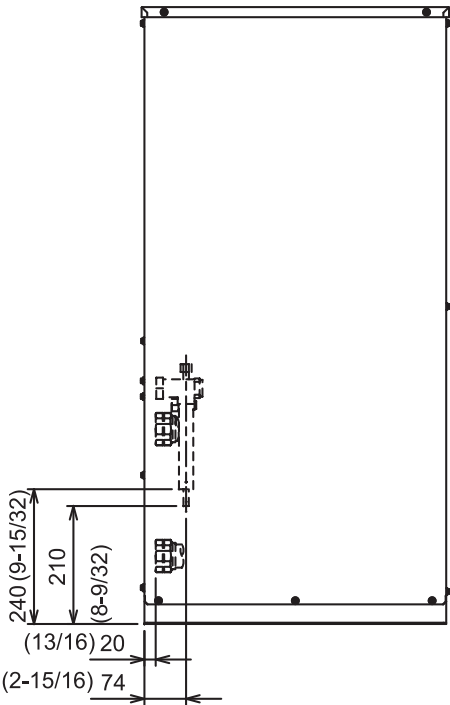
Top view



Front view



Side view



PQHY-P YSHMU-A



SPECIFICATIONS

Model		PQHY-P144YSHMU-A		PQHY-P168YSHMU-A		PQHY-P192YSHMU-A		
Power source		3-phase 3-wire 460 ±10% 60Hz		3-phase 3-wire 460 ±10% 60Hz		3-phase 3-wire 460 ±10% 60Hz		
Cooling capacity (Nominal)	*1	BTU / h	145,400	169,100	192,600			
	*1	kW	42.6	49.6	56.4			
		Power input	kW	7.94	9.73	11.55		
		Current input	A	11.3	13.7	16.2		
Temp. range of cooling	Indoor	W.B.	59~75°F (15~24°C)	59~75°F (15~24°C)	59~75°F (15~24°C)			
	Circulating water	°F(°C)	50~113°F (10~45°C)	50~113°F (10~45°C)	50~113°F (10~45°C)			
Heating capacity (Nominal)	*2	BTU / h	160,000	188,000	216,000			
	*2	kW	46.9	55.1	63.3			
		Power input	kW	7.89	10.32	12.74		
		Current input	A	11.0	14.3	17.7		
Temp. range of heating	Indoor	D.B.	59~81°F (15~27°C)	59~81°F (15~27°C)	59~81°F (15~27°C)			
	Circulating water	°F(°C)	50~113°F (10~45°C)	50~113°F (10~45°C)	50~113°F (10~45°C)			
Indoor unit connectable	Total capacity		50~130% of heat source unit capacity	50~130% of heat source unit capacity	50~130% of heat source unit capacity			
	Model / Quantity		P06~P96 / 1~31	P06~P96 / 1~36	P06~P96 / 1~41			
Sound pressure level (measured in anechoic room)		dB <A>	50	51	52			
Refrigerant piping diameter [O.D.]	Liquid pipe	in. (mm)	1/2 (12.7) Brazed	5/8 (15.88) Brazed	5/8 (15.88) Brazed			
	Gas pipe	in. (mm)	1-1/8 (28.58) Brazed	1-1/8 (28.58) Brazed	1-1/8 (28.58) Brazed			

Set Model		PQHY-P72YHMMU-A		PQHY-P72YHMMU-A		PQHY-P96YHMMU-A		PQHY-P72YHMMU-A		PQHY-P96YHMMU-A		PQHY-P96YHMMU-A	
Circulating water	Water flow rate	G / h	1522 + 1522		1522 + 1522		1522 + 1522		1522 + 1522		1522 + 1522		
		G / min	25.4 + 25.4		25.4 + 25.4		25.4 + 25.4		25.4 + 25.4		25.4 + 25.4		
		cfm	3.4 + 3.4		3.4 + 3.4		3.4 + 3.4		3.4 + 3.4		3.4 + 3.4		
		m³ / h	5.76 + 5.76		5.76 + 5.76		5.76 + 5.76		5.76 + 5.76		5.76 + 5.76		
		L / min	96 + 96		96 + 96		96 + 96		96 + 96		96 + 96		
	Pressure drop	kPa	17	17	17	17	17	17	17	17	17	17	
	psi	2.47	2.47	2.47	2.47	2.47	2.47	2.47	2.47	2.47	2.47		
Operating volume range	G / h	1189 + 1189 ~ 1902 + 1902		1189 + 1189 ~ 1902 + 1902		1189 + 1189 ~ 1902 + 1902		1189 + 1189 ~ 1902 + 1902		1189 + 1189 ~ 1902 + 1902			
	G / min	19.8 + 19.8 ~ 31.7 + 31.7		19.8 + 19.8 ~ 31.7 + 31.7		19.8 + 19.8 ~ 31.7 + 31.7		19.8 + 19.8 ~ 31.7 + 31.7		19.8 + 19.8 ~ 31.7 + 31.7			
	m³ / h	4.5 + 4.5 ~ 7.2 + 7.2		4.5 + 4.5 ~ 7.2 + 7.2		4.5 + 4.5 ~ 7.2 + 7.2		4.5 + 4.5 ~ 7.2 + 7.2		4.5 + 4.5 ~ 7.2 + 7.2			
Compressor	Type x Quantity	Inverter scroll hermetic compressor		Inverter scroll hermetic compressor		Inverter scroll hermetic compressor		Inverter scroll hermetic compressor		Inverter scroll hermetic compressor			
	Starting method	Inverter		Inverter		Inverter		Inverter		Inverter			
	Motor output	4.6		4.6		4.6		4.6		4.6			
	Case heater	0.051 (230V)		0.051 (230V)		0.051 (230V)		0.051 (230V)		0.051 (230V)			
External finish		Acrylic painted steel plate		Acrylic painted steel plate		Acrylic painted steel plate		Acrylic painted steel plate		Acrylic painted steel plate			
External dimension HxWxD	in.	43-5/16" x 34-11/16" x 21-11/16"		43-5/16" x 34-11/16" x 21-11/16"		43-5/16" x 34-11/16" x 21-11/16"		43-5/16" x 34-11/16" x 21-11/16"		43-5/16" x 34-11/16" x 21-11/16"			
	mm	1,100 x 880 x 550		1,100 x 880 x 550		1,100 x 880 x 550		1,100 x 880 x 550		1,100 x 880 x 550			
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)			
	Inverter circuit (COMP.)	Over-heat protection		Over-heat protection		Over-heat protection		Over-heat protection		Over-heat protection			
	Compressor	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 (11 lbs + 1 oz) (5 kg)		R410A x (11 lbs + 1 oz) (5 kg)		R410A x (11 lbs + 1 oz) (5 kg)		R410A x (11 lbs + 1 oz) (5 kg)		R410A x (11 lbs + 1 oz) (5 kg)			
Net weight	lbs (kg)	459 (208)		459 (208)		459 (208)		459 (208)		459 (208)			
Heat exchanger	Water volume in plate	G	1.32		1.32		1.32		1.32		1.32		
		L	5.0		5.0		5.0		5.0		5.0		
	Water pressure	psi	290		290		290		290		290		
	Max.	MPa	2.0		2.0		2.0		2.0		2.0		
Optional parts		Heat Source Twinning kit : CMY-Y100VBK2 joint :CMY-Y102S-G2, CMY-Y102L-G2, CMY-Y202-G2 Header:CMY-Y104/108/1010-G		Heat Source Twinning kit : CMY-Y100VBK2 joint :CMY-Y102S-G2, CMY-Y102L-G2, CMY-Y202-G2 Header:CMY-Y104/108/1010-G		Heat Source Twinning kit : CMY-Y100VBK2 joint :CMY-Y102S-G2, CMY-Y102L-G2, CMY-Y202-G2 Header:CMY-Y104/108/1010-G		Heat Source Twinning kit : CMY-Y100VBK2 joint :CMY-Y102S-G2, CMY-Y102L-G2, CMY-Y202-G2 Header:CMY-Y104/108/1010-G		Heat Source Twinning kit : CMY-Y100VBK2 joint :CMY-Y102S-G2, CMY-Y102L-G2, CMY-Y202-G2 Header:CMY-Y104/108/1010-G			

*1,*2 Nominal conditions

	Indoor	Water temperature	Pipe length	Level difference
Cooling	80°F D.B./67°F W.B. (26.7°C D.B./19.4°C W.B.)	85°F (29.4°C)	25ft. (7.6m)	0ft. (0m)
Heating	70°F D.B. (21.1°C D.B.)	70°F (21.1°C)		

*3 The ambient relative humidity of the Heat Source Unit needs to be kept below 80%.

*4 The ambient temperature of the Heat Source Unit needs to be kept below 104°F DB(40°C DB).

*5 The Heat Source Unit should not be installed at outdoor.

*6 Be sure to mount a strainer (more than 50 meshes) at the water inlet piping of the unit. (field supply)

*7 Be sure to provide interlocking for the unit operation and water circuit.

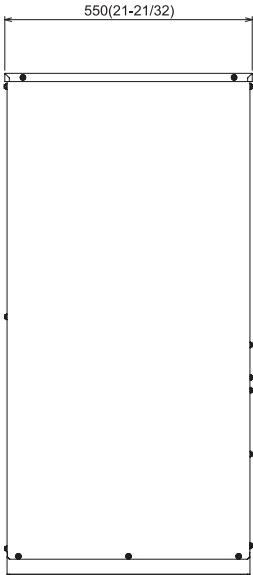
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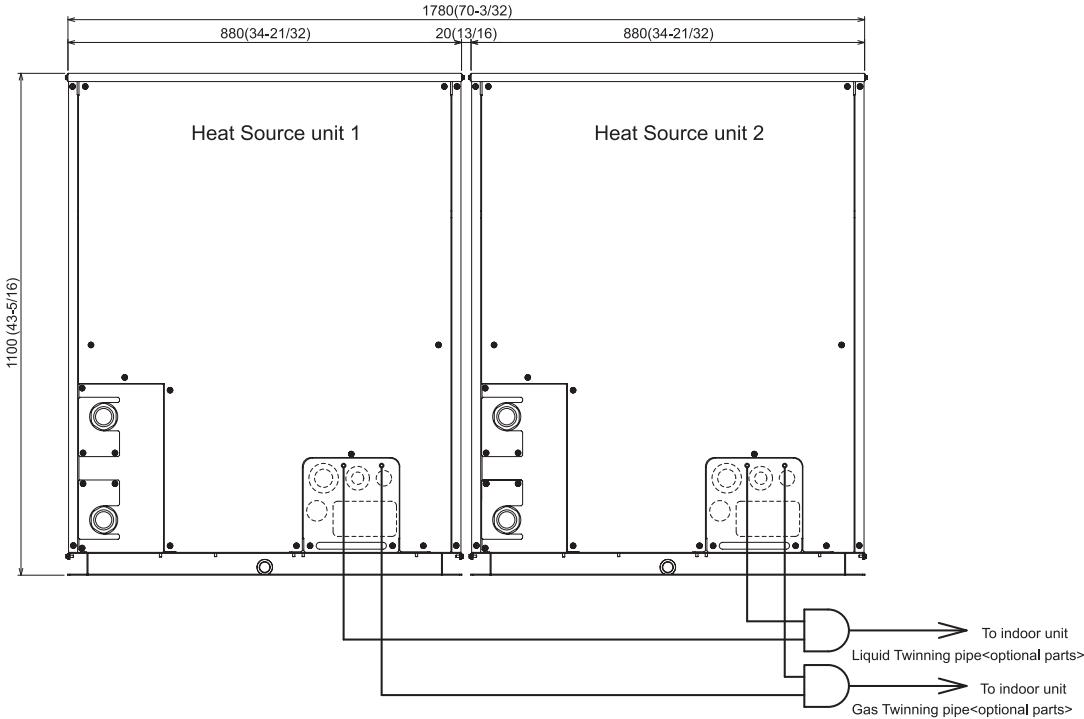
PQHY-P YSHMU-A

PQHY-P144/168/192YSHMU-A

Side view



Front view



PQHY-P YSHMU-A



SPECIFICATIONS

Model		PQHY-P216YSHMU-A		PQHY-P240YSHMU-A	
Power source		3-phase 3-wire 460 ±10% 60Hz		3-phase 3-wire 460 ±10% 60Hz	
Cooling capacity (Nominal)	*1	BTU / h	216,000	240,000	
	*1	kW	63.3	70.3	
		Power input	kW	13.50	15.47
		Current input	A	18.8	21.3
Temp. range of cooling	Indoor	W.B.	59~75°F (15~24°C)	59~75°F (15~24°C)	
	Circulating water	°F(°C)	50~113°F (10~45°C)	50~113°F (10~45°C)	
Heating capacity (Nominal)	*2	BTU / h	243,000	270,000	
	*2	kW	71.2	79.1	
		Power input	kW	14.22	15.70
		Current input	A	19.8	21.8
Temp. range of heating	Indoor	D.B.	59~81°F (15~27°C)	59~81°F (15~27°C)	
	Circulating water	°F(°C)	50~113°F (10~45°C)	50~113°F (10~45°C)	
Indoor unit connectable	Total capacity		50~130% of heat source unit capacity	50~130% of heat source unit capacity	
	Model / Quantity		P06~P96 / 2~46	P06~P96 / 2~50	
Sound pressure level (measured in anechoic room)		dB <A>	53	54	
Refrigerant piping diameter [O.D.]	Liquid pipe	in. (mm)	5/8 (15.88) Brazed	5/8 (15.88) Brazed	
	Gas pipe	in. (mm)	1-1/8 (28.58) Brazed	1-1/8 (28.58) Brazed	

Set Model		PQHY-P120YHMU-A		PQHY-P96YHMU-A		PQHY-P120YHMU-A		PQHY-P120YHMU-A	
Circulating water	Water flow rate	G / h	1522 + 1522		1522 + 1522		1522 + 1522		
		G / min	25.4 + 25.4		25.4 + 25.4		25.4 + 25.4		
		cfm	3.4 + 3.4		3.4 + 3.4		3.4 + 3.4		
		m³ / h	5.76 + 5.76		5.76 + 5.76		5.76 + 5.76		
		L / min	96 + 96		96 + 96		96 + 96		
	Pressure drop	kPa	17	17	17	17	17	17	
	psi	2.47	2.47	2.47	2.47	2.47	2.47		
Operating volume range	G / h	1189 + 1189 ~ 1902 + 1902		1189 + 1189 ~ 1902 + 1902		1189 + 1189 ~ 1902 + 1902			
	G / min	19.8 + 19.8 ~ 31.7 + 31.7		19.8 + 19.8 ~ 31.7 + 31.7		19.8 + 19.8 ~ 31.7 + 31.7			
	m³ / h	4.5 + 4.5 ~ 7.2 + 7.2		4.5 + 4.5 ~ 7.2 + 7.2		4.5 + 4.5 ~ 7.2 + 7.2			
Compressor	Type x Quantity	Inverter scroll hermetic compressor		Inverter scroll hermetic compressor		Inverter scroll hermetic compressor			
	Starting method	Inverter	Inverter	Inverter	Inverter				
	Motor output	kW	8.5	6.3	8.1	8.1			
	Case heater	kW	0.051 (230V)	0.051 (230V)	0.051 (230V)	0.051 (230V)			
External finish		Acrylic painted steel plate				Acrylic painted steel plate			
External dimension HxWxD	in.	43-5/16" x 34-11/16" x 21-11/16"	43-5/16" x 34-11/16" x 21-11/16"	43-5/16" x 34-11/16" x 21-11/16"	43-5/16" x 34-11/16" x 21-11/16"				
	mm	1,100 x 880 x 550	1,100 x 880 x 550	1,100 x 880 x 550	1,100 x 880 x 550				
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.)	Over-heat protection		Over-heat protection		Over-heat protection			
Refrigerant	Type x original charge	Over-heat protection, Over-current protection		Over-heat protection, Over-current protection		Over-heat protection, Over-current protection			
	Compressor	R410A x (11 lbs + 1 oz) (5 kg)	R410A x (11 lbs + 1 oz) (5 kg)	R410A x (11 lbs + 1 oz) (5 kg)	R410A x (11 lbs + 1 oz) (5 kg)				
Net weight	lbs (kg)	459 (208)	459 (208)	459 (208)	459 (208)				
Heat exchanger	Water volume in plate	plate type	plate type	plate type	plate type				
		G	1.32	1.32	1.32	1.32			
		L	5.0	5.0	5.0	5.0			
		psi	290	290	290	290			
Optional parts	Max.	MPa	2.0	2.0	2.0	2.0			
	Heat Source Twinning kit : CMY-Y100VBK2 joint :CMY-Y102S-G2, CMY-Y102L-G2, CMY-Y202-G2, CMY-Y302-G2 Header:CMY-Y104/108/1010-G				Heat Source Twinning kit : CMY-Y100VBK2 joint :CMY-Y102S-G2, CMY-Y102L-G2, CMY-Y202-G2, CMY-Y302-G2 Header:CMY-Y104/108/1010-G				

*1,*2 Nominal conditions

	Indoor	Water temperature	Pipe length	Level difference
Cooling	80°F D.B./67°F W.B. (26.7°C D.B./19.4°C W.B.)	85°F (29.4°C)	25ft. (7.6m)	0ft. (0m)
Heating	70°F D.B. (21.1°C D.B.)	70°F (21.1°C)		

*3 The ambient relative humidity of the Heat Source Unit needs to be kept below 80%.

*4 The ambient temperature of the Heat Source Unit needs to be kept below 104°F DB(40°C DB).

*5 The Heat Source Unit should not be installed at outdoor.

*6 Be sure to mount a strainer (more than 50 meshes) at the water inlet piping of the unit. (field supply)

*7 Be sure to provide interlocking for the unit operation and water circuit.

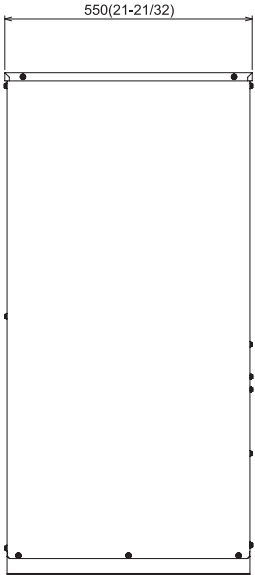
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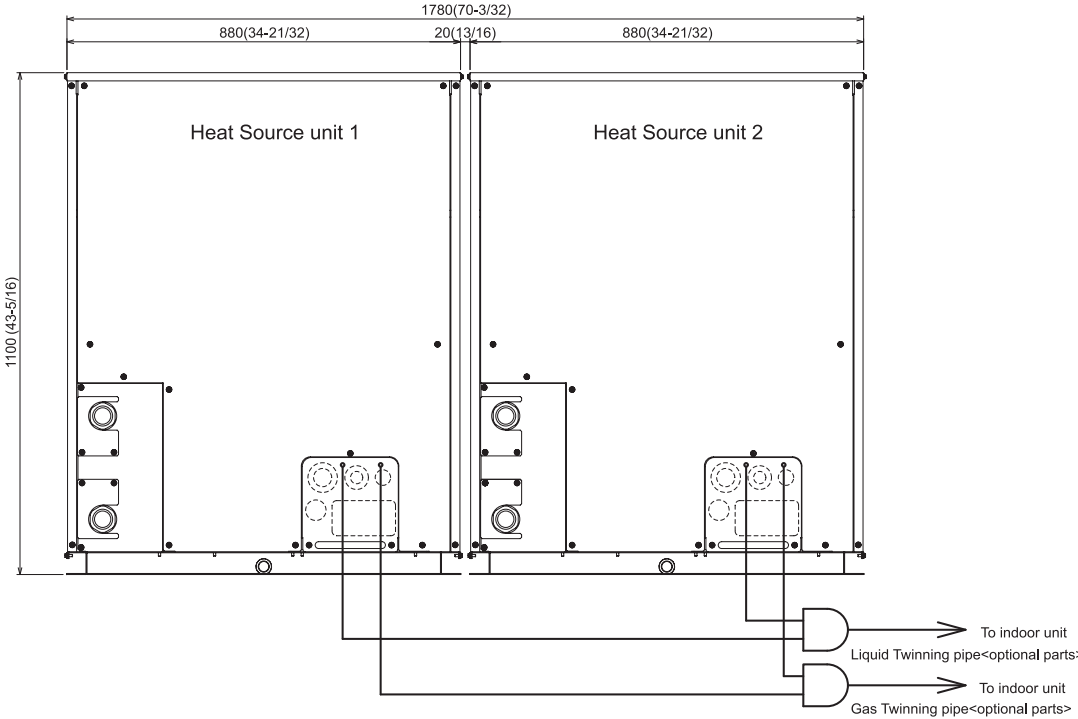
PQHY-P YSHMU-A

PQHY-P216/240YSHMU-A

Side view



Front view



PQHY-P YSHMU-A



SPECIFICATIONS

Model	PQHY-P264YSHMU-A			PQHY-P288YSHMU-A			PQHY-P312YSHMU-A					
Power source	3-phase 3-wire 460 ±10% 60Hz			3-phase 3-wire 460 ±10% 60Hz			3-phase 3-wire 460 ±10% 60Hz					
Cooling capacity (Nominal)	*1	BTU / h	265,400	288,900			312,200					
	*1	kW	77.8	84.7			91.5					
		Power input	kW	15.49			17.32					
		Current input	A	21.9			24.3					
Temp. range of cooling	Indoor	W.B.	59~75°F (15~24°C)			59~75°F (15~24°C)			59~75°F (15~24°C)			
	Circulating water	°F(°C)	50~113°F (10~45°C)			50~113°F (10~45°C)			50~113°F (10~45°C)			
Heating capacity (Nominal)	*2	BTU / h	296,000			324,000			351,000			
	*2	kW	86.8			95.0			102.9			
		Power input	kW	16.68			19.10			20.58		
		Current input	A	23.2			26.6			28.7		
Temp. range of heating	Indoor	D.B.	59~81°F (15~27°C)			59~81°F (15~27°C)			59~81°F (15~27°C)			
	Circulating water	°F(°C)	50~113°F (10~45°C)			50~113°F (10~45°C)			50~113°F (10~45°C)			
Indoor unit connectable	Total capacity	50~130% of heat source unit capacity			50~130% of heat source unit capacity			50~130% of heat source unit capacity				
	Model / Quantity	P06-P96 / 2~50			P06-P96 / 2~50			P06-P96 / 2~50				
Sound pressure level (measured in anechoic room)	dB <A>	53			54			54.5				
Refrigerant piping diameter [O.D.]	Liquid pipe	in. (mm)	3/4 (19.05) Brazed			3/4 (19.05) Brazed			3/4 (19.05) Brazed			
	Gas pipe	in. (mm)	1-3/8 (34.93) Brazed			1-3/8 (34.93) Brazed			1-3/8 (34.93) Brazed			

Model	PQHY-P96YHMU-A			PQHY-P96YHMU-A			PQHY-P96YHMU-A			PQHY-P120YHMU-A			PQHY-P96YHMU-A		
Circulating water	Water flow rate	G / h	1522 + 1522 + 1522			1522 + 1522 + 1522			1522 + 1522 + 1522			1522 + 1522 + 1522			
		G / min	25.4 + 25.4 + 25.4			25.4 + 25.4 + 25.4			25.4 + 25.4 + 25.4			25.4 + 25.4 + 25.4			
		cfm	3.4 + 3.4 + 3.4			3.4 + 3.4 + 3.4			3.4 + 3.4 + 3.4			3.4 + 3.4 + 3.4			
		m ³ / h	5.76 + 5.76 + 5.76			5.76 + 5.76 + 5.76			5.76 + 5.76 + 5.76			5.76 + 5.76 + 5.76			
		L / min	96 + 96 + 96			96 + 96 + 96			96 + 96 + 96			96 + 96 + 96			
	Pressure drop	kPa	17	17	17	17	17	17	17	17	17	17	17	17	
	psi	2.47	2.47	2.47	2.47	2.47	2.47	2.47	2.47	2.47	2.47	2.47	2.47		
Operating volume range	G / h	1189 + 1189 + 1189 ~ 1902 + 1902 + 1902			1189 + 1189 + 1189 ~ 1902 + 1902 + 1902			1189 + 1189 + 1189 ~ 1902 + 1902 + 1902			1189 + 1189 + 1189 ~ 1902 + 1902 + 1902				
	G / min	19.8 + 19.8 + 19.8 ~ 31.7 + 31.7 + 31.7			19.8 + 19.8 + 19.8 ~ 31.7 + 31.7 + 31.7			19.8 + 19.8 + 19.8 ~ 31.7 + 31.7 + 31.7			19.8 + 19.8 + 19.8 ~ 31.7 + 31.7 + 31.7				
	m ³ / h	4.5 + 4.5 + 4.5 ~ 7.2 + 7.2 + 7.2			4.5 + 4.5 + 4.5 ~ 7.2 + 7.2 + 7.2			4.5 + 4.5 + 4.5 ~ 7.2 + 7.2 + 7.2			4.5 + 4.5 + 4.5 ~ 7.2 + 7.2 + 7.2				
Compressor	Type x Quantity	Inverter scroll hermetic compressor			Inverter scroll hermetic compressor			Inverter scroll hermetic compressor			Inverter scroll hermetic compressor				
	Starting method	Inverter			Inverter			Inverter			Inverter				
	Motor output	6.3			6.3			6.3			8.1				
	Case heater	0.051 (230V)			0.051 (230V)			0.051 (230V)			0.051 (230V)				
External finish	Acrylic painted steel plate			Acrylic painted steel plate			Acrylic painted steel plate			Acrylic painted steel plate					
External dimension HxWxD	in.	43-5/16" x 34-11/16" x 21-11/16"			43-5/16" x 34-11/16" x 21-11/16"			43-5/16" x 34-11/16" x 21-11/16"			43-5/16" x 34-11/16" x 21-11/16"				
	mm	1,100 x 880 x 550			1,100 x 880 x 550			1,100 x 880 x 550			1,100 x 880 x 550				
Protection devices	High pressure protection	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)			High pressure sensor, High pressure switch at 4.15 MPa (601 psi)			High pressure sensor, High pressure switch at 4.15 MPa (601 psi)			High pressure sensor, High pressure switch at 4.15 MPa (601 psi)				
	Inverter circuit (COMP.)	Over-heat protection			Over-heat protection			Over-heat protection			Over-heat protection				
Refrigerant	Compressor	Over-heat protection, Over-current protection			Over-heat protection, Over-current protection			Over-heat protection, Over-current protection			Over-heat protection, Over-current protection				
	Type x original charge	R410A x (11 lbs + 1 oz) (5 kg)			R410A x (11 lbs + 1 oz) (5 kg)			R410A x (11 lbs + 1 oz) (5 kg)			R410A x (11 lbs + 1 oz) (5 kg)				
Net weight	lbs (kg)	459 (208)			459 (208)			459 (208)			459 (208)				
Heat exchanger	Water volume in plate	G	1.32			1.32			1.32			1.32			
		L	5.0			5.0			5.0			5.0			
		psi	290			290			290			290			
		MPa	2.0			2.0			2.0			2.0			
Optional parts	Heat Source Twinning kit : CMY-Y300VBK2 joint : CMY-Y102S-G2, CMY-Y102L-G2, CMY-Y202-G2, CMY-Y302-G2 Header: CMY-Y104/108/1010-G			Heat Source Twinning kit : CMY-Y300VBK2 joint : CMY-Y102S-G2, CMY-Y102L-G2, CMY-Y202-G2, CMY-Y302-G2 Header: CMY-Y104/108/1010-G			Heat Source Twinning kit : CMY-Y300VBK2 joint : CMY-Y102S-G2, CMY-Y102L-G2, CMY-Y202-G2, CMY-Y302-G2 Header: CMY-Y104/108/1010-G								

*1, *2 Nominal conditions

	Indoor	Water temperature	Pipe length	Level difference
Cooling	80°F D.B./67°F W.B. (26.7°C D.B./19.4°C W.B.)	85°F (29.4°C)	25ft. (7.6m)	0ft. (0m)
Heating	70°F D.B. (21.1°C D.B.)	70°F (21.1°C)		

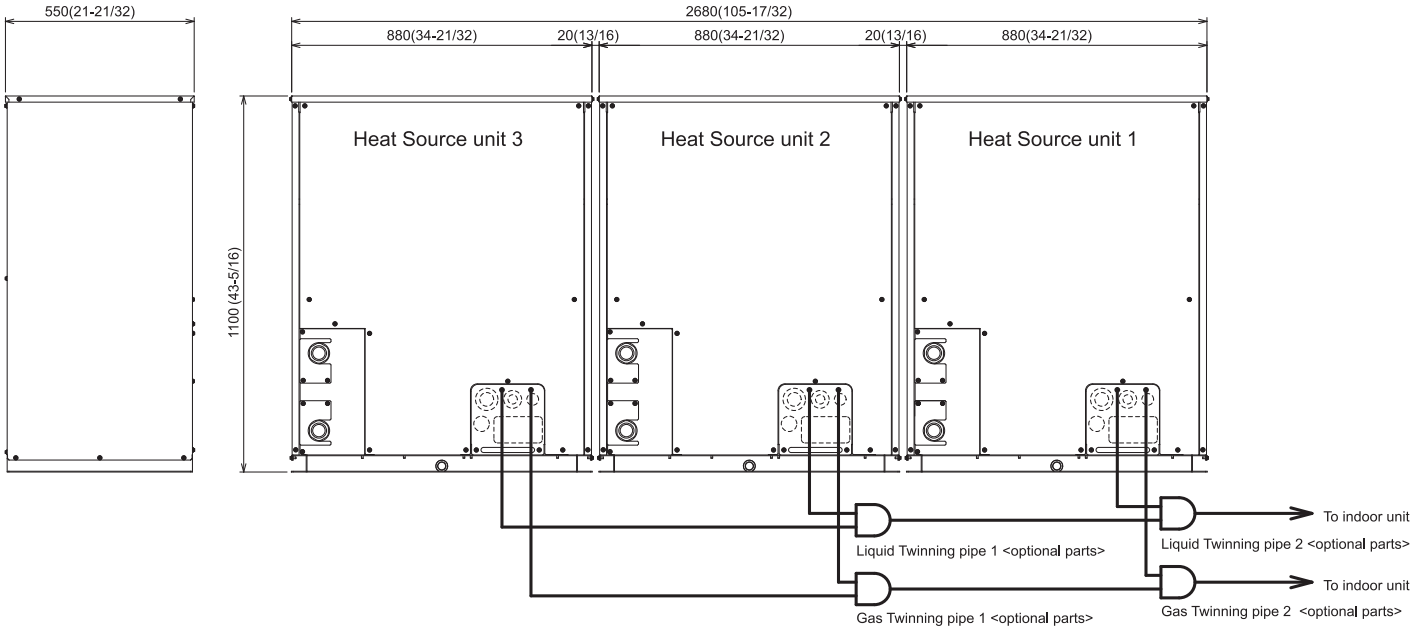
*3 The ambient relative humidity of the Heat Source Unit needs to be kept below 80%.
 *4 The ambient temperature of the Heat Source Unit needs to be kept below 104°F DB (40°C DB).
 *5 The Heat Source Unit should not be installed at outdoor.
 *6 Be sure to mount a strainer (more than 50 meshes) at the water inlet piping of the unit. (field supply)
 *7 Be sure to provide interlocking for the unit operation and water circuit.
 *Due to continuing improvement, above specification may be subject to change without notice.
 *The data presented is based on a specific combination.

PQHY-P YSHMU-A

PQHY-P264/288/312YSHMU-A

Side view

Front view



PQHY-P YSHMU-A



SPECIFICATIONS

Model			PQHY-P336YSHMU-A	PQHY-P360YSHMU-A
Power source			3-phase 3-wire 460 ±10% 60Hz	
Cooling capacity (Nominal)	*1	BTU / h	336,000	360,000
	*1	kW	98.5	105.5
		Power input kW	21.23	23.21
		Current input A	29.4	32.0
Temp. range of cooling	Indoor	W.B.	59~75°F (15~24°C)	59~75°F (15~24°C)
	Circulating water	°F(°C)	50~113°F (10~45°C)	50~113°F (10~45°C)
Heating capacity (Nominal)	*2	BTU / h	378,000	405,000
	*2	kW	110.8	118.7
		Power input kW	22.07	23.55
		Current input A	30.7	32.8
Temp. range of heating	Indoor	D.B.	59~81°F (15~27°C)	59~81°F (15~27°C)
	Circulating water	°F(°C)	50~113°F (10~45°C)	50~113°F (10~45°C)
Indoor unit connectable	Total capacity		50~130% of heat source unit capacity	50~130% of heat source unit capacity
	Model / Quantity		P06~P96 / 2~50	P06~P96 / 2~50
Sound pressure level (measured in anechoic room)		dB <A>	55	56
Refrigerant piping diameter [O.D.]	Liquid pipe	in. (mm)	3/4 (19.05) Brazed	3/4 (19.05) Brazed
	Gas pipe	in. (mm)	1-5/8 (41.28) Brazed	1-5/8 (41.28) Brazed
Set Model				

Model			PQHY-P120YHMU-A	PQHY-P120YHMU-A	PQHY-P96YHMU-A	PQHY-P120YHMU-A	PQHY-P120YHMU-A	PQHY-P120YHMU-A
Circulating water	Water flow rate	G / h	1522 + 1522 + 1522			1522 + 1522 + 1522		
		G / min	25.4 + 25.4 + 25.4			25.4 + 25.4 + 25.4		
		cfm	3.4 + 3.4 + 3.4			3.4 + 3.4 + 3.4		
		m³ / h	5.76 + 5.76 + 5.76			5.76 + 5.76 + 5.76		
		L / min	96 + 96 + 96			96 + 96 + 96		
		Pressure drop	kPa	17	17	17	17	17
		psi	2.47	2.47	2.47	2.47	2.47	2.47
Operating volume range	G / h	1189 + 1189 + 1189 ~ 1902 + 1902 + 1902			1189 + 1189 + 1189 ~ 1902 + 1902 + 1902			
	G / min	19.8 + 19.8 + 19.8 ~ 31.7 + 31.7 + 31.7			19.8 + 19.8 + 19.8 ~ 31.7 + 31.7 + 31.7			
	m³ / h	4.5 + 4.5 + 4.5 ~ 7.2 + 7.2 + 7.2			4.5 + 4.5 + 4.5 ~ 7.2 + 7.2 + 7.2			
Compressor	Type x Quantity	Inverter scroll hermetic compressor			Inverter scroll hermetic compressor			
	Starting method	Inverter	Inverter	Inverter	Inverter	Inverter	Inverter	
	Motor output	kW	8.1	8.1	6.3	8.1	8.1	8.1
	Case heater	kW	0.051 (230V)	0.051 (230V)	0.051 (230V)	0.051 (230V)	0.051 (230V)	0.051 (230V)
External finish			Acrylic painted steel plate			Acrylic painted steel plate		
External dimension HxWxD	in.	43-5/16" x 34-11/16" x 21-11/16"	43-5/16" x 34-11/16" x 21-11/16"	43-5/16" x 34-11/16" x 21-11/16"	43-5/16" x 34-11/16" x 21-11/16"	43-5/16" x 34-11/16" x 21-11/16"	43-5/16" x 34-11/16" x 21-11/16"	
	mm	1,100 x 880 x 550	1,100 x 880 x 550	1,100 x 880 x 550	1,100 x 880 x 550	1,100 x 880 x 550	1,100 x 880 x 550	
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.)	Over-heat protection			Over-heat protection			
	Compressor	Over-heat protection, Over-current protection			Over-heat protection, Over-current protection			
Refrigerant	Type x original charge	R410A x (11 lbs + 1 oz) (5 kg)	R410A x (11 lbs + 1 oz) (5 kg)	R410A x (11 lbs + 1 oz) (5 kg)	R410A x (11 lbs + 1 oz) (5 kg)	R410A x (11 lbs + 1 oz) (5 kg)	R410A x (11 lbs + 1 oz) (5 kg)	
Net weight	lbs (kg)	459 (208)	459 (208)	459 (208)	459 (208)	459 (208)	459 (208)	
Heat exchanger	Water volume in plate	plate type	plate type	plate type	plate type	plate type	plate type	
		G	1.32	1.32	1.32	1.32	1.32	
		L	5.0	5.0	5.0	5.0	5.0	
		Water pressure	psi	290	290	290	290	290
		Max.	MPa	2.0	2.0	2.0	2.0	2.0
Optional parts		Heat Source Twinning kit : CMY-Y300VBK2 joint :CMY-Y102S-G2, CMY-Y102L-G2, CMY-Y202-G2, CMY-Y302-G2 Header:CMY-Y104/108/1010-G			Heat Source Twinning kit : CMY-Y300VBK2 joint :CMY-Y102S-G2, CMY-Y102L-G2, CMY-Y202-G2, CMY-Y302-G2 Header:CMY-Y104/108/1010-G			

*1,*2 Nominal conditions

	Indoor	Water temperature	Pipe length	Level difference
Cooling	80°F D.B./67°F W.B. (26.7°C D.B./19.4°C W.B.)	85°F (29.4°C)	25ft. (7.6m)	0ft. (0m)
Heating	70°F D.B. (21.1°C D.B.)	70°F (21.1°C)		

*3 The ambient relative humidity of the Heat Source Unit needs to be kept below 80%.

*4 The ambient temperature of the Heat Source Unit needs to be kept below 104°F DB(40°CDB).

*5 The Heat Source Unit should not be installed at outdoor.

*6 Be sure to mount a strainer (more than 50 meshes) at the water inlet piping of the unit. (field supply)

*7 Be sure to provide interlocking for the unit operation and water circuit.

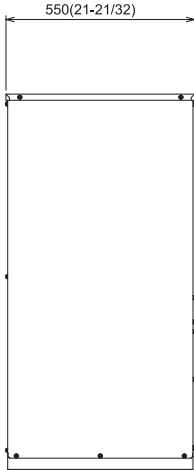
*Due to continuing improvement, above specification may be subject to change without notice.

*The data presented is based on a specific combination.

PQHY-P YSHMU-A

PQHY-P336/360YSHMU-A

Side view



Front view

