

PQRY-P YHMU-A



SPECIFICATIONS

Model		PQRY-P72YHMU-A		PQRY-P96YHMU-A		PQRY-P120YHMU-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	72,700	96,300	120,000			
	*1	kW	21.3	28.2	35.2			
		Power input	kW	3.97	5.77	7.73		
		Current input	A	5.7	8.1	10.6		
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		50~150% of heatsource unit capacity	50~150% of heatsource unit capacity	50~150% of heatsource unit capacity			
	Model / Quantity		P06-P96 / 1~18	P06-P96 / 1~24	P06-P96 / 1~30			
Sound pressure level (measured in anechoic room)		dB <A>	47	49	51			
Refrigerant piping diameter [O.D.]	High pressure	in. (mm)	5/8 (15.88) Brazed	3/4 (19.05) Brazed	3/4 (19.05) Brazed			
	Low pressure	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	1,522			
		G / min	25.4	25.4	25.4			
		cfm	3.4	3.4	3.4			
		m³ / h	5.76	5.76	5.76			
		L / min	96	96	96			
	Pressure drop	kPa	17	17	17			
		psi	2.47	2.47	2.47			
	Operating volume range	G / h	1189 - 1902	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	Inverter scroll hermetic compressor	Inverter scroll hermetic compressor			
	Starting method		Inverter	Inverter	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	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			
	mm		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-current protection	Over-heat protection, Over-current protection	Over-heat protection, Over-current protection			
Refrigerant	Compressor		Over-heat protection	Over-heat protection	Over-heat protection			
	Type x original charge		R410A x (11 lbs + 1 oz) (5.0 kg)	R410A x (11 lbs + 1 oz) (5.0 kg)	R410A x (11 lbs + 1 oz) (5.0 kg)			
Net weight		lbs (kg)	428 (194)	428 (194)	428 (194)			
Heat exchanger	Water volume in plate	G	1.32	1.32	1.32			
		L	5.0	5.0	5.0			
	Water pressure Max.	psi	290	290	290			
		MPa	2.0	2.0	2.0			
Optional parts			joint :CMY-Y102S-G2, CMY-Y102L-G2, CMY-Y202-G2, CMY-R160-J BC controller : CMB-P104, 105, 106, 108, 1010, 1013, 1016NU-G Main BC controller : CMB-P108, 1010, 1013, 1016NU-GA Sub BC controller : CMB-P104, 108NU-GB, CMB-P1016NU-HB	joint :CMY-Y102S-G2, CMY-Y102L-G2, CMY-Y202-G2, CMY-R160-J BC controller : CMB-P104, 105, 106, 108, 1010, 1013, 1016NU-G Main BC controller : CMB-P108, 1010, 1013, 1016NU-GA Sub BC controller : CMB-P104, 108NU-GB, CMB-P1016NU-HB	joint :CMY-Y102S-G2, CMY-Y102L-G2, CMY-R160-J BC controller : CMB-P104, 105, 106, 108, 1010, 1013, 1016NU-G Main BC controller : CMB-P108, 1010, 1013, 1016NU-GA Sub BC controller : CMB-P104, 108NU-GB, CMB-P1016NU-HB			

*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.

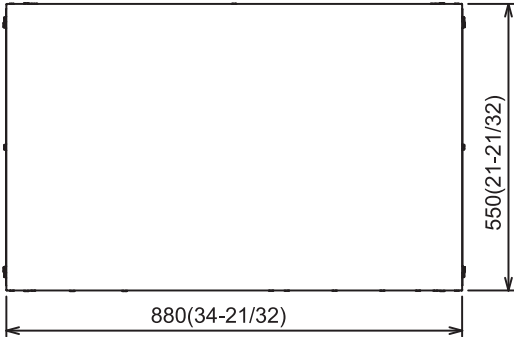
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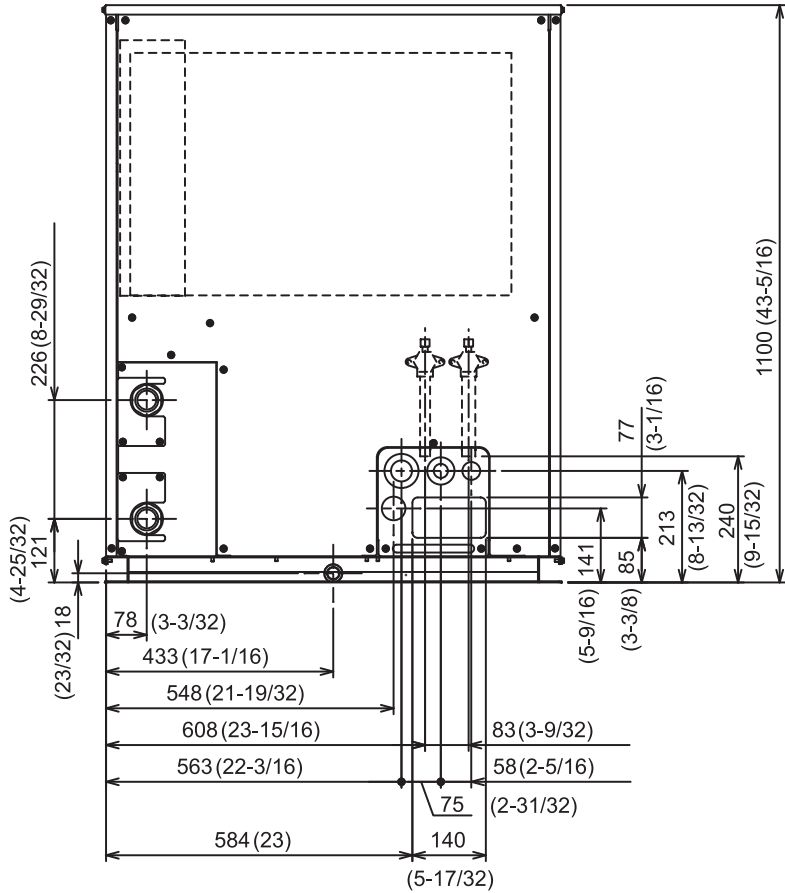
PQRY-P YHMU-A

PQRY-P72/96/120YHMU-A

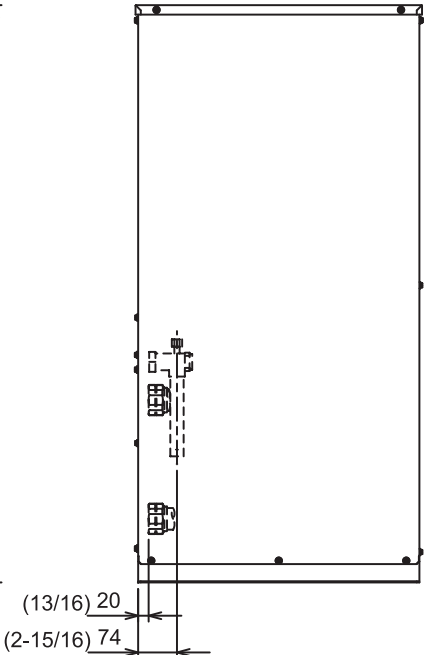
Top view



Front view



Side view





PQRY-P YSHMU-A

SPECIFICATIONS

Model		PQRY-P144YSHMU-A		PQRY-P168YSHMU-A		PQRY-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	56.4	56.4	
	*1	kW	42.6	49.6	56.4	16.7	16.7	
		Power input	kW	8.18	10.02	11.89	11.89	
		Current input	A	11.7	14.2	16.7	16.7	
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)	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)	50~113°F (10~45°C)	50~113°F (10~45°C)	
Heating capacity (Nominal)	*2	BTU / h	160,000	188,000	216,000	63.3	63.3	
	*2	kW	46.9	55.1	63.3	17.7	17.7	
		Power input	kW	7.89	10.32	12.74	12.74	
		Current input	A	11.0	14.3	17.7	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)	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)	50~113°F (10~45°C)	50~113°F (10~45°C)	
Indoor unit connectable	Total capacity	50~150% of heat source unit capacity		50~150% of heat source unit capacity		50~150% of heat source unit capacity		
	Model / Quantity	P06-P96 / 1~36		P06-P96 / 1~42		P06-P96 / 1~48		
Sound pressure level (measured in anechoic room)	dB <A>	50		51		52		
Refrigerant piping diameter [O.D.]	High pressure	in. (mm)	7/8 (22.2) Brazed	7/8 (22.2) Brazed	7/8 (22.2) Brazed	7/8 (22.2) Brazed	7/8 (22.2) Brazed	
	Low pressure	in. (mm)	1-1/8 (28.58) Brazed	1-1/8 (28.58) Brazed	1-1/8 (28.58) Brazed	1-1/8 (28.58) Brazed	1-1/8 (28.58) Brazed	
Set Model								
Model		PQRY-P72YHMU-A		PQRY-P72YHMU-A		PQRY-P96YHMU-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 ~ 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		
	Motor output	4.6		6.3		6.3		
	Case heater	0.051 (230V)		0.051 (230V)		0.051 (230V)		
External finish		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	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)		High pressure sensor, High pressure switch at 4.15 MPa (601 psi)		
	Inverter circuit (COMP.)	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		
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)	428 (194)	428 (194)	428 (194)	428 (194)	428 (194)	428 (194)	
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-Q100VBK		Heat Source Twinning kit : CMY-Q100VBK		Heat Source Twinning kit : CMY-Q100VBK		Heat Source Twinning kit : CMY-Q100VBK	
	joint : CMY-Y102S-G2, CMY-Y102L-G2, CMY-Y202-G2, CMY-R160-J		joint : CMY-Y102S-G2, CMY-Y102L-G2, CMY-Y202-G2, CMY-R160-J		joint : CMY-Y102S-G2, CMY-Y102L-G2, CMY-Y202-G2, CMY-R160-J		joint : CMY-Y102S-G2, CMY-Y102L-G2, CMY-Y202-G2, CMY-R160-J	
	Main BC controller : CMB-P108, 1010, 1013, 1016NU-GA		Main BC controller : CMB-P108, 1010, 1013, 1016NU-GA		Main BC controller : CMB-P108, 1010, 1013, 1016NU-GA		Main BC controller : CMB-P108, 1010, 1013, 1016NU-GA	
	Sub BC controller : CMB-P104, 108NU-GB, CMB-P1016NU-HB		Sub BC controller : CMB-P104, 108NU-GB, CMB-P1016NU-HB		Sub BC controller : CMB-P104, 108NU-GB, CMB-P1016NU-HB		Sub BC controller : CMB-P104, 108NU-GB, CMB-P1016NU-HB	

*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.

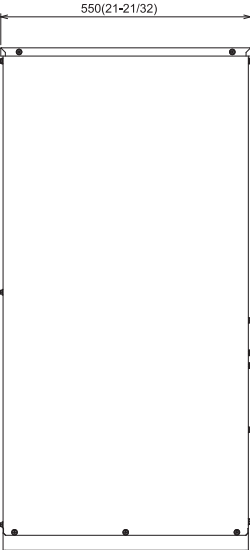
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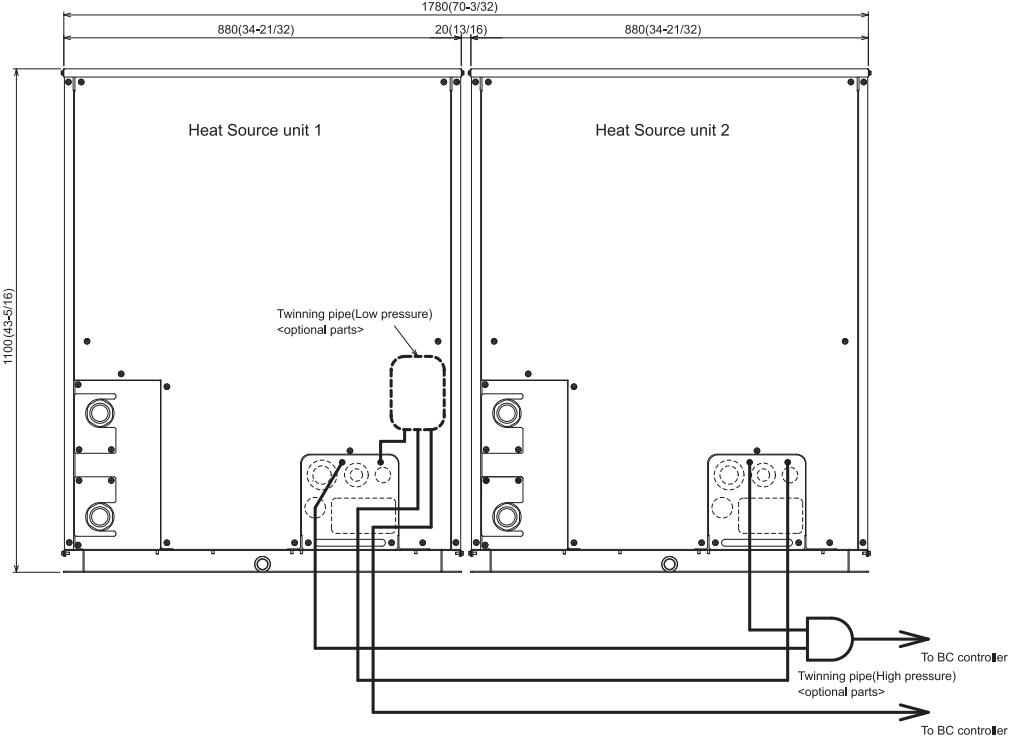
PQRY-P YSHMU-A

PQRY-P144/168/192YSHMU-A

Side view



Front view



PQRY-P YSHMU-A



SPECIFICATIONS

Model		PQRY-P216YSHMU-A		PQRY-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	13.90		15.93						
	A	19.3		22.0						
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	243,000		270,000						
	*2 kW	71.2		79.1						
Power input	kW	14.22		15.70						
	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	50~150% of heat source unit capacity		50~150% of heat source unit capacity						
	Model / Quantity	P06~P96 / 2~50 (Connectable branch pipe number is max 48.)		P06~P96 / 2~50 (Connectable branch pipe number is max 48.)						
Sound pressure level (measured in anechoic room)	dB <A>	53		54						
Refrigerant piping diameter [O.D.]	High pressure in. (mm)	1-1/8 (28.58) Brazed		1-1/8 (28.58) Brazed						
	Low pressure in. (mm)	1-1/8 (28.58) Brazed		1-1/8 (28.58) Brazed						
Set Model										
Model		PQRY-P120YHMU-A		PQRY-P96YHMU-A		PQRY-P120YHMU-A		PQRY-P120YHMU-A		
Circulating water	Water flow rate	G / h	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	
		cfm	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	
		L / min	96 + 96		96 + 96		96 + 96		96 + 96	
		Pressure drop	kPa	17		17		17		17
	psi	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		
	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		
	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		
Compressor	Type x Quantity	Inverter scroll hermetic compressor		Inverter scroll hermetic compressor		Inverter scroll hermetic compressor		Inverter scroll hermetic compressor		
	Starting method	Inverter		Inverter		Inverter		Inverter		
	Motor output kW	8.5		6.3		8.5		8.5		
	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)				
	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)		
Net weight	lbs (kg)	428 (194)		428 (194)		428 (194)		428 (194)		
Heat exchanger	Water volume in plate	G	1.32		1.32		1.32		1.32	
		L	5.0		5.0		5.0		5.0	
		Water pressure psi	290		290		290		290	
		Max. MPa	2.0		2.0		2.0		2.0	
Optional parts		Heat Source Twinning kit : CMY-Q100VBK joint : CMY-Y102S-G2, CMY-Y102L-G2, CMY-Y202-G2, CMY-R160-J Main BC controller : CMB-P108, 1010, 1013, 1016NU-GA Sub BC controller : CMB-P104, 108NU-GB, CMB-P1016NU-HB				Heat Source Twinning kit : CMY-Q100VBK joint : CMY-Y102S-G2, CMY-Y102L-G2, CMY-Y202-G2, CMY-R160-J Main BC controller : CMB-P108, 1010, 1013, 1016NU-GA Sub BC controller : CMB-P104, 108NU-GB, CMB-P1016NU-HB				

*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.

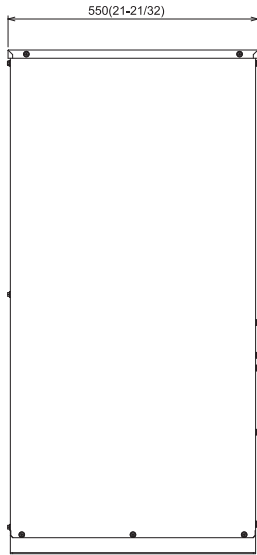
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PQRY-P YSHMU-A

PQRY-P216/240YSHMU-A

Side view



Front view

