

CITY-MULTI®
575 V-SERIES UNITS

OUTDOOR UNIT Y-Series (575V) PUHY-P ZKMU-A(-BS)



► Specifications

Outdoor Model		PUHY-P72ZKMU-A (-BS)		PUHY-P96ZKMU-A (-BS)		
Indoor Model		Non-Ducted	Ducted	Non-Ducted	Ducted	
Power source		3-phase 3-wire 575 V ±10% 60 Hz		3-phase 3-wire 575 V ±10% 60 Hz		
Cooling capacity (Nominal)	*1 BTU/h	72,000		96,000		
	*1 kW	21.1		28.1		
(575)	Power input kW	4.77		6.74		
	Current input A	5.3		7.5		
(Rated)	BTU/h	69,000		92,000		
	kW	20.2		27.0		
(575)	Power input kW	4.71	4.58	6.48	6.65	
	Current input A	5.2	5.1	7.2	7.4	
Temp. range of cooling	Indoor W.B.	59~75°F (15~24°C)		59~75°F (15~24°C)		
	Outdoor D.B.	23~115°F (-5~46°C)		23~115°F (-5~46°C)		
Heating capacity (Nominal)	*2 BTU/h	80,000		108,000		
	*2 kW	23.4		31.7		
(575)	Power input kW	5.63		7.78		
	Current input A	6.2		8.6		
(Rated)	BTU/h	76,000		103,000		
	kW	22.3		30.2		
(575)	Power input kW	5.51	5.47	7.71	7.47	
	Current input A	6.1	6.1	8.6	8.3	
Temp. range of heating	Indoor D.B.	59~81°F (15~27°C)		59~81°F (15~27°C)		
	Outdoor W.B.	-4~60°F (-20~15.5°C)		-4~60°F (-20~15.5°C)		
Indoor unit connectable	Total capacity	50~130% of outdoor unit capacity		50~130% of outdoor unit capacity		
	Model/Quantity	P04~P72/1~18		P04~P96/1~24		
Sound pressure level (measured in anechoic room)	dB <A>	58.0		58.0		
Refrigerant piping diameter	Liquid pipe in. (mm)	3/8 (9.52) Brazed		3/8 (9.52) Brazed (1/2 (12.7) Brazed, the farthest pipe length ≥= 90 m)		
	Gas pipe in. (mm)	7/8 (22.2) Brazed		7/8 (22.2) Brazed		
Minimum Circuit Ampacity	A	11		15		
Maximum Overcurrent Protection	A	15		20		
FAN	Type x Quantity	Propeller fan x 1		Propeller fan x 1		
	Airflow rate	cfm	6,200		6,700	
		m ³ /min	175		190	
		L/s	2,920		3,170	
	Control, Driving mechanism	Inverter-control, Brushless DC motor		Inverter-control, Brushless DC motor		
	Motor output kW	0.92		0.92		
*3 External static press.	0 in.WG (0 Pa)		0 in.WG (0 Pa)			
Compressor	Type x Quantity	Inverter scroll hermetic compressor x 1		Inverter scroll hermetic compressor x 1		
	Starting method	Inverter		Inverter		
	Motor output kW	5.6 x 1		6.9 x 1		
	Case heater	-		-		
External finish	Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>		Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>			
External dimension H x W x D	in.	64-31/32 x 36-1/4 x 29-5/32		64-31/32 x 48-1/16 x 29-5/32		
	mm	1,650 x 920 x 740		1,650 x 1,220 x 740		
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-current protection		Over-current protection		
	Fan motor	-		-		
Refrigerant	Type x original charge	R410A x 19 lbs + 13 oz. (9.0 kg)		R410A x 25 lbs + 6 oz. (11.5 kg)		
Net weight	lbs (kg)	492 (223)		562 (255)		
Heat exchanger	Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube			
Optional parts	joint: CMY-Y102SS/LS-G2		joint: CMY-Y102SS/LS-G2			
	Header: CMY-Y104/108/1010C-G		Header: CMY-Y104/108/1010C-G			

Notes:

*1, *2 Heating and Cooling conditions (Test conditions are based on AHRI 1230)

	Indoor	Outdoor
Cooling	80°F D.B./67°F W.B. (26.7°C D.B./19.4°C W.B.)	95°F D.B. (35°C D.B.)
Heating	70°F D.B. (21.1°C D.B.)	47°F D.B./43°F W.B. (8.3°C D.B./6.1°C W.B.)

*3 External static pressure option is available (0.12 in.WG, 0.24 in.WG / 30Pa, 60Pa).

- * Due to continuing improvement, above specification may be subject to change without notice.
- * The data presented is based on a specific combination.

OUTDOOR UNIT Y-Series (575V) PUHY-P ZKMU-A(-BS)



► Specifications

Outdoor Model		PUHY-P120ZKMU-A (-BS)		PUHY-P144ZKMU-A (-BS)		
Indoor Model		Non-Ducted	Ducted	Non-Ducted	Ducted	
Power source		3-phase 3-wire 575 V ±10% 60 Hz		3-phase 3-wire 575 V ±10% 60 Hz		
Cooling capacity (Nominal)	*1 BTU/h	120,000		144,000		
	*1 kW	35.2		42.2		
	(575) Power input kW	8.48		11.02		
	(575) Current input A	9.4		12.2		
	(Rated) BTU/h	114,000		137,000		
	(Rated) kW	33.4		40.2		
(575) Power input kW		7.80	8.13	9.85	10.54	
	(575) Current input A	8.7	9.0	10.9	11.7	
Temp. range of cooling	Indoor W.B.	59~75°F (15~24°C)		59~75°F (15~24°C)		
	Outdoor D.B.	23~115°F (-5~46°C)		23~115°F (-5~46°C)		
Heating capacity (Nominal)	*2 BTU/h	135,000		160,000		
	*2 kW	39.6		46.9		
	(575) Power input kW	10.09		12.65		
	(575) Current input A	11.2		14.1		
	(Rated) BTU/h	129,000		152,000		
	(Rated) kW	37.8		44.5		
(575) Power input kW		9.35	9.67	11.46	11.95	
	(575) Current input A	10.4	10.7	12.7	13.3	
Temp. range of heating	Indoor D.B.	59~81°F (15~27°C)		59~81°F (15~27°C)		
	Outdoor W.B.	-4~60°F (-20~15.5°C)		-4~60°F (-20~15.5°C)		
Indoor unit connectable	Total capacity	50~130% of outdoor unit capacity		50~130% of outdoor unit capacity		
	Model/Quantity	P04~P96/1~30		P04~P96/1~36		
Sound pressure level (measured in anechoic room)	dB <A>	60.0		61.0		
Refrigerant piping diameter	Liquid pipe in. (mm)	3/8 (9.52) Braze (1/2 (12.7) Braze, the farthest pipe length >= 40 m)		1/2 (12.7) Braze		
	Gas pipe in. (mm)	1-1/8 (28.58) Braze		1-1/8 (28.58) Braze		
Minimum Circuit Ampacity	A	19		21		
Maximum Overcurrent Protection	A	30		30		
FAN	Type x Quantity	Propeller fan x 2		Propeller fan x 2		
	Airflow rate	cfm	11,300		11,300	
		m ³ /min	320		320	
		L/s	5,330		5,330	
	Control, Driving mechanism	Inverter-control, Brushless DC motor		Inverter-control, Brushless DC motor		
	Motor output kW	0.92+0.92		0.92+0.92		
*3 External static press.	0 in.WG (0 Pa)		0 in.WG (0 Pa)			
Compressor	Type x Quantity	Inverter scroll hermetic compressor x 1		Inverter scroll hermetic compressor x 1		
	Starting method	Inverter		Inverter		
	Motor output kW	8.2 x 1		10.8 x 1		
	Case heater	-		-		
External finish	Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>		Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>			
External dimension H x W x D	in.	64-31/32 x 68-29/32 x 29-5/32		64-31/32 x 68-29/32 x 29-5/32		
	mm	1,650 x 1,750 x 740		1,650 x 1,750 x 740		
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-current protection		Over-current protection		
	Fan motor	-		-		
Refrigerant	Type x original charge	R410A x 26 lbs + 1 oz. (11.8 kg)		R410A x 26 lbs + 1 oz. (11.8 kg)		
Net weight	lbs (kg)	772 (350)		772 (350)		
Heat exchanger	Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube			
Optional parts	joint: CMY-Y102SS/LS-G2, CMY-Y202S-G2		joint: CMY-Y102SS/LS-G2, CMY-Y202S-G2			
	Header: CMY-Y104/108/1010C-G		Header: CMY-Y104/108/1010C-G			

Notes:

*1, *2 Heating and Cooling conditions (Test conditions are based on AHRI 1230)

	Indoor	Outdoor
Cooling	80°F D.B./67°F W.B. (26.7°C D.B./19.4°C W.B.)	95°F D.B. (35°C D.B.)
Heating	70°F D.B. (21.1°C D.B.)	47°F D.B./43°F W.B. (8.3°C D.B./6.1°C W.B.)

*3 External static pressure option is available (0.12 in.WG, 0.24 in.WG / 30Pa, 60Pa).

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OUTDOOR UNIT Y-Series (575V) PUHY-P ZSKMU-A(-BS)



► Specifications

Outdoor Model		PUHY-P168ZSKMU-A (-BS)		PUHY-P192ZSKMU-A (-BS)		
Indoor Model		Non-Ducted	Ducted	Non-Ducted	Ducted	
Power source		3-phase 3-wire 575 V ±10% 60 Hz		3-phase 3-wire 575 V ±10% 60 Hz		
Cooling capacity (Nominal)	*1 BTU/h	168,000		192,000		
	*1 kW	49.2		56.3		
(575)	Power input kW	12.81		14.56		
	Current input A	14.2		16.2		
(Rated)	BTU/h	161,000		183,000		
	kW	47.2		53.6		
(575)	Power input kW	11.46	12.26	13.14	13.82	
	Current input A	12.7	13.6	14.6	15.4	
Temp. range of cooling	Indoor W.B.	59~75°F (15~24°C)		59~75°F (15~24°C)		
	Outdoor D.B.	23~115°F (-5~46°C)		23~115°F (-5~46°C)		
Heating capacity (Nominal)	*2 BTU/h	188,000		215,000		
	*2 kW	55.1		63.0		
(575)	Power input kW	14.54		17.16		
	Current input A	16.2		19.1		
(Rated)	BTU/h	179,000		205,000		
	kW	52.5		60.1		
(575)	Power input kW	13.16	13.75	15.72	16.05	
	Current input A	14.6	15.3	17.5	17.9	
Temp. range of heating	Indoor D.B.	59~81°F (15~27°C)		59~81°F (15~27°C)		
	Outdoor W.B.	-4~60°F (-20~15.5°C)		-4~60°F (-20~15.5°C)		
Indoor unit connectable	Total capacity	50~130% of outdoor unit capacity		50~130% of outdoor unit capacity		
	Model/Quantity	P04~P96/1~42		P04~P96/1~48		
Sound pressure level (measured in anechoic room)	dB <A>	61.0		62.5		
Refrigerant piping diameter	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						
Model		PUHY-P72ZKMU-A (-BS)	PUHY-P96ZKMU-A (-BS)	PUHY-P72ZKMU-A (-BS)	PUHY-P120ZKMU-A (-BS)	
Minimum Circuit Ampacity	A	11	15	11	19	
Maximum Overcurrent Protection	A	15	20	15	30	
FAN	Type x Quantity	Propeller fan x 1		Propeller fan x 1		
	Airflow rate	cfm	6,200	6,700	6,200	11,300
		m ³ /min	175	190	175	320
		L/s	2,920	3,170	2,920	5,330
	Control, Driving mechanism	Inverter-control, Brushless DC motor		Inverter-control, Brushless DC motor		
	*3 Motor output kW	0.92	0.92	0.92	0.92+0.92	
External static press.	0 in.WG (0 Pa)		0 in.WG (0 Pa)			
Compressor	Type x Quantity	Inverter scroll hermetic compressor x 1		Inverter scroll hermetic compressor x 1		
	Starting method	Inverter		Inverter		
	Motor output kW	5.6 x 1	6.9 x 1	5.6 x 1	8.2 x 1	
	Case heater kW	-	-	-	-	
External finish	Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>		Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>			
External dimension H x W x D	in.	64-31/32 x 36-1/4 x 29-5/32	64-31/32 x 48-1/16 x 29-5/32	64-31/32 x 36-1/4 x 29-5/32	64-31/32 x 68-29/32 x 29-5/32	
	mm	1,650 x 920 x 740	1,650 x 1,220 x 740	1,650 x 920 x 740	1,650 x 1,750 x 740	
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-current protection		Over-current protection		
	Fan motor	-		-		
Refrigerant	Type x original charge	R410A x 19 lbs + 13 oz (9.0 kg)	R410A x 25 lbs + 6 oz (11.5 kg)	R410A x 19 lbs + 13 oz (9.0 kg)	R410A x 26 lbs + 1 oz (11.8 kg)	
Net weight	lbs (kg)	492 (223)	562 (255)	492 (223)	772 (350)	
Heat exchanger	Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube			
Optional parts	Outdoor Twinning kit: CMY-Y100CBK3 joint: CMY-Y102SS/LS-G2, CMY-Y202S-G2 Header: CMY-Y104/108/1010C-G		Outdoor Twinning kit: CMY-Y100CBK3 joint: CMY-Y102SS/LS-G2, CMY-Y202/302S-G2 Header: CMY-Y104/108/1010C-G			

Notes:

*1, *2 Heating and Cooling conditions (Test conditions are based on AHRI 1230)

	Indoor	Outdoor
Cooling	80°F D.B./67°F W.B. (26.7°C D.B./19.4°C W.B.)	95°F D.B. (35°C D.B.)
Heating	70°F D.B. (21.1°C D.B.)	47°F D.B./43°F W.B. (8.3°C D.B./6.1°C W.B.)

*3 External static pressure option is available (0.12 in.WG, 0.24 in.WG / 30Pa, 60Pa).

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OUTDOOR UNIT Y-Series (575V) PUHY-P ZSKMU-A(-BS)



► Specifications

Outdoor Model			PUHY-P216ZSKMU-A (-BS)				PUHY-P240ZSKMU-A (-BS)			
Indoor Model			Non-Ducted		Ducted		Non-Ducted		Ducted	
Power source			3-phase 3-wire 575 V ±10% 60 Hz				3-phase 3-wire 575 V ±10% 60 Hz			
Cooling capacity (Nominal)	*1	BTU/h	216,000				240,000			
	*1	kW	63.3				70.3			
(575)	Power input	kW	16.91				18.67			
	Current input	A	18.8				20.8			
(Rated)		BTU/h	206,000				228,000			
		kW	60.4				66.8			
(575)	Power input	kW	15.46		15.85	17.11		17.45		
	Current input	A	17.2		17.6	19.0		19.4		
Temp. range of cooling	Indoor	W.B.	59~75°F (15~24°C)				59~75°F (15~24°C)			
	Outdoor	D.B.	23~115°F (-5~46°C)				23~115°F (-5~46°C)			
Heating capacity (Nominal)	*2	BTU/h	243,000				270,000			
	*2	kW	71.2				79.1			
(575)	Power input	kW	19.69				22.14			
	Current input	A	21.9				24.7			
(Rated)		BTU/h	232,000				258,000			
		kW	68.0				75.6			
(575)	Power input	kW	18.44		18.01	20.58		20.41		
	Current input	A	20.5		20.0	22.9		22.7		
Temp. range of heating	Indoor	D.B.	59~81°F (15~27°C)				59~81°F (15~27°C)			
	Outdoor	W.B.	-4~60°F (-20~15.5°C)				-4~60°F (-20~15.5°C)			
Indoor unit connectable	Total capacity		50~130% of outdoor unit capacity				50~130% of outdoor unit capacity			
	Model/Quantity		P04~P96/2~50				P04~P96/2~50			
Sound pressure level (measured in anechoic room)		dB <A>	62.5				63.0			
Refrigerant piping diameter	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										
Model			PUHY-P96ZKMU-A (-BS)		PUHY-P120ZKMU-A (-BS)		PUHY-P120ZKMU-A (-BS)		PUHY-P120ZKMU-A (-BS)	
Minimum Circuit Ampacity	A		15		19	19		19		19
Maximum Overcurrent Protection	A		20		30	30		30		30
FAN	Type x Quantity		Propeller fan x 1		Propeller fan x 2		Propeller fan x 2		Propeller fan x 2	
	Airflow rate	cfm	6,700		11,300		11,300		11,300	
		m ³ /min	190		320		320		320	
		L/s	3,170		5,330		5,330		5,330	
	Control, Driving mechanism		Inverter-control, Brushless DC motor				Inverter-control, Brushless DC motor			
	Motor output	kW	0.92		0.92+0.92		0.92+0.92		0.92+0.92	
*3	External static press.		0 in.WG (0 Pa)		0 in.WG (0 Pa)		0 in.WG (0 Pa)		0 in.WG (0 Pa)	
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1				Inverter scroll hermetic compressor x 1			
	Starting method		Inverter		Inverter		Inverter		Inverter	
	Motor output	kW	6.9 x 1		8.2 x 1		8.2 x 1		8.2 x 1	
	Case heater	kW	-		-		-		-	
External finish			Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>				Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>			
External dimension H x W x D	in.		64-31/32 x 48-1/16 x 29-5/32		64-31/32 x 68-29/32 x 29-5/32	64-31/32 x 68-29/32 x 29-5/32		64-31/32 x 68-29/32 x 29-5/32		64-31/32 x 68-29/32 x 29-5/32
	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
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-current protection		Over-current protection		Over-current protection		Over-current protection	
	Fan motor		-				-			
Refrigerant	Type x original charge		R410A x 25 lbs + 6 oz (11.5 kg)		R410A x 26 lbs + 1 oz (11.8 kg)	R410A x 26 lbs + 1 oz (11.8 kg)		R410A x 26 lbs + 1 oz (11.8 kg)		R410A x 26 lbs + 1 oz (11.8 kg)
Net weight	lbs (kg)		562 (255)		772 (350)	772 (350)		772 (350)		772 (350)
Heat exchanger			Salt-resistant cross fin & copper tube				Salt-resistant cross fin & copper tube			
Optional parts			Outdoor Twinning kit: CMY-Y100CBK3 joint: CMY-Y102SS/LS-G2, CMY-Y202/302S-G2 Header: CMY-Y104/108/1010C-G				Outdoor Twinning kit: CMY-Y100CBK3 joint: CMY-Y102SS/LS-G2, CMY-Y202/302S-G2 Header: CMY-Y104/108/1010C-G			

Notes:

*1, *2 Heating and Cooling conditions (Test conditions are based on AHRI 1230)

	Indoor	Outdoor
Cooling	80°F D.B./67°F W.B. (26.7°C D.B./19.4°C W.B.)	95°F D.B. (35°C D.B.)
Heating	70°F D.B. (21.1°C D.B.)	47°F D.B./43°F W.B. (8.3°C D.B./6.1°C W.B.)

*3 External static pressure option is available (0.12 in.WG, 0.24 in.WG / 30Pa, 60Pa).

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OUTDOOR UNIT Y-Series (575V) PUHY-P ZSKMU-A(-BS)



► Specifications

Outdoor Model			PUHY-P264ZSKMU-A (-BS)				PUHY-P288ZSKMU-A (-BS)					
Indoor Model			Non-Ducted		Ducted		Non-Ducted		Ducted			
Power source			3-phase 3-wire 575 V ±10% 60 Hz				3-phase 3-wire 575 V ±10% 60 Hz					
Cooling capacity (Nominal)	*1	BTU/h	264,000				288,000					
		*1	kW				84.4					
	(575)	Power input	kW				22.57					
		Current input	A				25.1					
	(Rated)	(575)	BTU/h	252,000				275,000				
			kW	73.9				80.6				
		Power input	18.65		19.30		20.52		21.26			
		Current input	20.8		21.5		22.8		23.7			
Temp. range of cooling	Indoor	W.B.	59~75°F (15~24°C)				59~75°F (15~24°C)					
	Outdoor	D.B.	23~115°F (-5~46°C)				23~115°F (-5~46°C)					
Heating capacity (Nominal)	*2	BTU/h	295,000				323,000					
		*2	kW				94.7					
	(575)	Power input	kW				26.12					
		Current input	A				29.1					
	(Rated)	(575)	BTU/h	281,000				308,000				
			kW	82.4				90.3				
		Power input	21.98		22.08		24.30		24.06			
		Current input	24.5		24.6		27.1		26.8			
Temp. range of heating	Indoor	D.B.	59~81°F (15~27°C)				59~81°F (15~27°C)					
	Outdoor	W.B.	-4~60°F (-20~15.5°C)				-4~60°F (-20~15.5°C)					
Indoor unit connectable	Total capacity	50~130% of outdoor unit capacity				50~130% of outdoor unit capacity						
	Model/Quantity	P04~P96/2~50				P04~P96/2~50						
Sound pressure level (measured in anechoic room)	dB <A>		63.5				64.0					
Refrigerant piping diameter	Liquid pipe	in. (mm)	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					
Set Model												
Model			PUHY-P72ZKMU-A (-BS)	PUHY-P72ZKMU-A (-BS)	PUHY-P120ZKMU-A (-BS)	PUHY-P72ZKMU-A (-BS)	PUHY-P96ZKMU-A (-BS)	PUHY-P120ZKMU-A (-BS)	PUHY-P120ZKMU-A (-BS)	PUHY-P120ZKMU-A (-BS)		
Minimum Circuit Ampacity	A		11	11	19	11	15	19	19	19		
Maximum Overcurrent Protection	A		15	15	30	15	20	30	30	30		
FAN	Type x Quantity		Propeller fan x 1		Propeller fan x 1		Propeller fan x 2		Propeller fan x 2			
	Airflow rate	cfm	6,200		6,200		11,300		6,200			
		m ³ /min	175		175		320		175			
		L/s	2,920		2,920		5,330		2,920			
	Control, Driving mechanism		Inverter-control, Brushless DC motor				Inverter-control, Brushless DC motor					
	*3	Motor output	kW		0.92		0.92		0.92		0.92+0.92	
	External static press.	0 in.WG (0 Pa)		0 in.WG (0 Pa)		0 in.WG (0 Pa)		0 in.WG (0 Pa)		0 in.WG (0 Pa)		
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1				Inverter scroll hermetic compressor x 1					
	Starting method		Inverter		Inverter		Inverter		Inverter		Inverter	
	Motor output		kW		5.6 x 1		5.6 x 1		6.9 x 1		8.2 x 1	
	Case heater		kW		-		-		-		-	
External finish			Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>				Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>					
External dimension H x W x D			in.		64-31/32 x 36-1/4 x 29-5/32		64-31/32 x 36-1/4 x 29-5/32		64-31/32 x 48-1/16 x 29-5/32		64-31/32 x 68-29/32 x 29-5/32	
			mm		1,650 x 920 x 740		1,650 x 920 x 740		1,650 x 1,220 x 740		1,650 x 1,750 x 740	
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-current protection				Over-current protection					
	Fan motor		-				-					
Refrigerant	Type x original charge		R410A x 19 lbs + 13 oz (9.0 kg)		R410A x 19 lbs + 13 oz (9.0 kg)		R410A x 26 lbs + 1 oz (11.8 kg)		R410A x 19 lbs + 13 oz (9.0 kg)		R410A x 25 lbs + 6 oz (11.5 kg)	
Net weight	lbs (kg)		492 (223)		492 (223)		772 (350)		492 (223)		562 (255)	
Heat exchanger			Salt-resistant cross fin & copper tube				Salt-resistant cross fin & copper tube					
Optional parts			Outdoor Twinning kit: CMY-Y300CBK2 joint: CMY-Y102SS/LS-G2, CMY-Y202/302S-G2 Header: CMY-Y104/108/1010C-G				Outdoor Twinning kit: CMY-Y300CBK2 joint: CMY-Y102SS/LS-G2, CMY-Y202/302S-G2 Header: CMY-Y104/108/1010C-G					

Notes:

*1, *2 Heating and Cooling conditions (Test conditions are based on AHRI 1230)

	Indoor	Outdoor
Cooling	80°F D.B./67°F W.B. (26.7°C D.B./19.4°C W.B.)	95°F D.B. (35°C D.B.)
Heating	70°F D.B. (21.1°C D.B.)	47°F D.B./43°F W.B. (8.3°C D.B./6.1°C W.B.)

*3 External static pressure option is available (0.12 in.WG, 0.24 in.WG / 30Pa, 60Pa).

- * Due to continuing improvement, above specification may be subject to change without notice.
- * The data presented is based on a specific combination.

OUTDOOR UNIT Y-Series (575V) PUHY-P ZSKMU-A(-BS)



► Specifications

Outdoor Model			PUHY-P312ZSKMU-A (-BS)				PUHY-P336ZSKMU-A (-BS)			
Indoor Model			Non-Ducted		Ducted		Non-Ducted		Ducted	
Power source			3-phase 3-wire 575 V ±10% 60 Hz				3-phase 3-wire 575 V ±10% 60 Hz			
Cooling capacity (Nominal)	*1	BTU/h	312,000				336,000			
	*1	kW	91.4				98.5			
(575)	Power input	kW	24.32				26.78			
	Current input	A	27.1				29.8			
(Rated)		BTU/h	297,000				320,000			
		kW	87.0				93.8			
(575)	Power input	kW	22.26		22.77		24.32		25.26	
	Current input	A	24.8		25.4		27.1		28.1	
Temp. range of cooling	Indoor	W.B.	59~75°F (15~24°C)				59~75°F (15~24°C)			
	Outdoor	D.B.	23~115°F (-5~46°C)				23~115°F (-5~46°C)			
Heating capacity (Nominal)	*2	BTU/h	350,000				378,000			
	*2	kW	102.6				110.8			
(575)	Power input	kW	28.41				31.66			
	Current input	A	31.6				35.3			
(Rated)		BTU/h	334,000				361,000			
		kW	97.9				105.8			
(575)	Power input	kW	26.26		26.35		29.77		28.85	
	Current input	A	29.2		29.3		33.2		32.1	
Temp. range of heating	Indoor	D.B.	59~81°F (15~27°C)				59~81°F (15~27°C)			
	Outdoor	W.B.	-4~60°F (-20~15.5°C)				-4~60°F (-20~15.5°C)			
Indoor unit connectable	Total capacity		50~130% of outdoor unit capacity				50~130% of outdoor unit capacity			
	Model/Quantity		P04~P96/2~50				P04~P96/2~50			
Sound pressure level (measured in anechoic room)		dB <A>	64.5				64.5			
Refrigerant piping diameter	Liquid pipe	in. (mm)	3/4 (19.05) Brazed				3/4 (19.05) Brazed			
	Gas pipe	in. (mm)	1-3/8 (34.93) Brazed				1-5/8 (41.28) Brazed			
Set Model										
Model			PUHY-P72ZKMU-A (-BS)	PUHY-P120ZKMU-A (-BS)	PUHY-P120ZKMU-A (-BS)	PUHY-P96ZKMU-A (-BS)	PUHY-P120ZKMU-A (-BS)	PUHY-P120ZKMU-A (-BS)	PUHY-P120ZKMU-A (-BS)	
Minimum Circuit Ampacity	A		11	19	19	15	19	19	19	
Maximum Overcurrent Protection	A		15	30	30	20	30	30	30	
FAN	Type x Quantity		Propeller fan x 1	Propeller fan x 2	Propeller fan x 2	Propeller fan x 1	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2	
	Airflow rate	cfm	6,200	11,300	11,300	6,700	11,300	11,300	11,300	
		m ³ /min	175	320	320	190	320	320	320	
		L/s	2,920	5,330	5,330	3,170	5,330	5,330	5,330	
	Control, Driving mechanism		Inverter-control, Brushless DC motor				Inverter-control, Brushless DC motor			
*3 External static press.		0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)	
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1				Inverter scroll hermetic compressor x 1			
	Starting method		Inverter	Inverter	Inverter	Inverter	Inverter	Inverter	Inverter	
	Motor output	kW	5.6 x 1	8.2 x 1	8.2 x 1	6.9 x 1	8.2 x 1	8.2 x 1	8.2 x 1	
	Case heater	kW	-	-	-	-	-	-	-	
External finish			Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>				Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>			
External dimension H x W x D	in.		64-31/32 x 36-1/4 x 29-5/32	64-31/32 x 68-29/32 x 29-5/32	64-31/32 x 68-29/32 x 29-5/32	64-31/32 x 48-1/16 x 29-5/32	64-31/32 x 68-29/32 x 29-5/32	64-31/32 x 68-29/32 x 29-5/32	64-31/32 x 68-29/32 x 29-5/32	
	mm		1,650 x 920 x 740	1,650 x 1,750 x 740	1,650 x 1,750 x 740	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	
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-current protection				Over-current protection			
Refrigerant	Fan motor		-	-	-	-	-	-	-	
	Type x original charge		R410A x 19 lbs + 13 oz (9.0 kg)	R410A x 26 lbs + 1 oz (11.8 kg)	R410A x 26 lbs + 1 oz (11.8 kg)	R410A x 25 lbs + 6 oz (11.5 kg)	R410A x 26 lbs + 1 oz (11.8 kg)	R410A x 26 lbs + 1 oz (11.8 kg)	R410A x 26 lbs + 1 oz (11.8 kg)	
Net weight	lbs (kg)	492 (223)	772 (350)	772 (350)	562 (255)	772 (350)	772 (350)	772 (350)		
Heat exchanger			Salt-resistant cross fin & copper tube				Salt-resistant cross fin & copper tube			
Optional parts			Outdoor Twinning kit: CMY-Y300CBK2 joint: CMY-Y102SS/LS-G2, CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010C-G				Outdoor Twinning kit: CMY-Y300CBK2 joint: CMY-Y102SS/LS-G2, CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010C-G			

Notes:

*1, *2 Heating and Cooling conditions (Test conditions are based on AHRI 1230)

	Indoor	Outdoor
Cooling	80°F D.B./67°F W.B. (26.7°C D.B./19.4°C W.B.)	95°F D.B. (35°C D.B.)
Heating	70°F D.B. (21.1°C D.B.)	47°F D.B./43°F W.B. (8.3°C D.B./6.1°C W.B.)

*3 External static pressure option is available (0.12 in.WG, 0.24 in.WG / 30Pa, 60Pa).

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

* The data presented is based on a specific combination.

OUTDOOR UNIT Y-Series (575V) PUHY-P ZSKMU-A(-BS)



► Specifications

Outdoor Model		PUHY-P360ZSKMU-A (-BS)				
Indoor Model		Non-Ducted		Ducted		
Power source		3-phase 3-wire 575 V ±10% 60 Hz				
Cooling capacity (Nominal)	*1 BTU/h	360,000				
	*1 kW	105.5				
(575)	Power input kW	29.11				
	Current input A	32.4				
(Rated)	BTU/h	342,000				
	kW	100.2				
(575)	Power input kW	26.36			27.54	
	Current input A	29.4			30.7	
Temp. range of cooling	Indoor W.B.	59~75°F (15~24°C)				
	Outdoor D.B.	23~115°F (-5~46°C)				
Heating capacity (Nominal)	*2 BTU/h	405,000				
	*2 kW	118.7				
(575)	Power input kW	34.50				
	Current input A	38.4				
(Rated)	BTU/h	387,000				
	kW	113.4				
(575)	Power input kW	31.94			31.94	
	Current input A	35.6			35.6	
Temp. range of heating	Indoor D.B.	59~81°F (15~27°C)				
	Outdoor W.B.	-4~60°F (-20~15.5°C)				
Indoor unit connectable	Total capacity	50~130% of outdoor unit capacity				
	Model/Quantity	P04-P96/2-50				
Sound pressure level (measured in anechoic room)	dB <A>	65.0				
Refrigerant piping diameter	Liquid pipe in. (mm)	3/4 (19.05) Brazed				
	Gas pipe in. (mm)	1-5/8 (41.28) Brazed				
Set Model						
Model		PUHY-P120ZKMU-A (-BS)	PUHY-P120ZKMU-A (-BS)	PUHY-P120ZKMU-A (-BS)	PUHY-P120ZKMU-A (-BS)	
Minimum Circuit Ampacity	A	19	19	19	19	
Maximum Overcurrent Protection	A	30	30	30	30	
FAN	Type x Quantity	Propeller fan x 2				
	Airflow rate	cfm	11,300	11,300	11,300	11,300
		m³/min	320	320	320	320
		L/s	5,330	5,330	5,330	5,330
	Control, Driving mechanism	Inverter-control, Brushless DC motor				
	*3 Motor output kW	0.92+0.92				
*3 External static press.	0 in.WG (0 Pa)					
Compressor	Type x Quantity	Inverter scroll hermetic compressor x 1				
	Starting method	Inverter				
	Motor output kW	8.2 x 1				
	Case heater kW	-				
External finish	Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>					
External dimension H x W x D	in.	64-31/32 x 68-29/32 x 29-5/32				
	mm	1,650 x 1,750 x 740				
Protection devices	High pressure protection	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)				
	Inverter circuit (COMP/FAN)	Over-current protection				
	Fan motor	-				
Refrigerant	Type x original charge	R410A x 26 lbs + 1 oz (11.8 kg)				
Net weight	lbs (kg)	772 (350)				
Heat exchanger	Salt-resistant cross fin & copper tube					
Optional parts	Outdoor Twinning kit: CMY-Y300CBK2 joint: CMY-Y102SS/LS-G2, CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010C-G					

Notes:

*1,*2 Heating and Cooling conditions (Test conditions are based on AHRI 1230)

	Indoor	Outdoor
Cooling	80°F D.B./67°F W.B. (26.7°C D.B./19.4°C W.B.)	95°F D.B. (35°C D.B.)
Heating	70°F D.B. (21.1°C D.B.)	47°F D.B./43°F W.B. (8.3°C D.B./6.1°C W.B.)

*3 External static pressure option is available (0.12 in.WG, 0.24 in.WG / 30Pa, 60Pa).

- * Due to continuing improvement, above specification may be subject to change without notice.
- * The data presented is based on a specific combination.

OUTDOOR UNIT R2-Series (575V) PURY-P ZKMU-A(-BS)



► Specifications

Outdoor Model		PURY-P72ZKMU-A (-BS)		PURY-P96ZKMU-A (-BS)	
Indoor Model		Non-Ducted	Ducted	Non-Ducted	Ducted
Power source		3-phase 3-wire 575 V ±10% 60 Hz		3-phase 3-wire 575 V ±10% 60 Hz	
Cooling capacity (Nominal)	*1	72,000		96,000	
	*1	21.1		28.1	
(575)	Power input	5.11		7.06	
	Current input	5.7		7.8	
(Rated)		69,000		92,000	
		20.2		27.0	
(575)	Power input	4.84	4.63	6.77	7.05
	Current input	5.3	5.1	7.5	7.8
Temp. range of cooling	Indoor	59~75°F (15~24°C)		59~75°F (15~24°C)	
	Outdoor	23~115°F (-5~46°C)		23~115°F (-5~46°C)	
Heating capacity (Nominal)	*2	80,000		108,000	
	*2	23.4		31.7	
(575)	Power input	5.89		8.85	
	Current input	6.5		9.8	
(Rated)		76,000		103,000	
		22.3		30.2	
(575)	Power input	5.86	5.87	8.28	8.10
	Current input	6.5	6.5	9.2	9.0
Temp. range of heating	Indoor	59~81°F (15~27°C)		59~81°F (15~27°C)	
	Outdoor	-4~60°F (-20~15.5°C)		-4~60°F (-20~15.5°C)	
Indoor unit connectable	Total capacity	50~150% of outdoor unit capacity		50~150% of outdoor unit capacity	
	Model/Quantity	P04~P96/1~18		P04~P96/1~24	
Sound pressure level (measured in anechoic room)	dB <A>	58.0		58.0	
Refrigerant piping diameter	High pressure	5/8 (15.88) Brazed		3/4 (19.05) Brazed	
	Low pressure	3/4 (19.05) Brazed		7/8 (22.2) Brazed	
Minimum Circuit Ampacity	A	11		15	
Maximum Overcurrent Protection	A	15		20	
FAN	Type x Quantity	Propeller fan x 1		Propeller fan x 1	
	Airflow rate	cfm	6,550		6,550
m³/min		185		185	
L/s		3,080		3,080	
Control, Driving mechanism		Inverter-control, Brushless DC motor		Inverter-control, Brushless DC motor	
Motor output	kW	0.92		0.92	
*3 External static press.		0 in.WG (0 Pa)		0 in.WG (0 Pa)	
Compressor	Type x Quantity	Inverter scroll hermetic compressor x 1		Inverter scroll hermetic compressor x 1	
	Starting method	Inverter		Inverter	
Motor output	kW	4.7		6.6	
Case heater	kW	-		-	
External finish		Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1>		Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1>	
External dimension H x W x D	in.	64-31/32 x 36-1/4 x 29-5/32		64-31/32 x 48-1/16 x 29-5/32	
	mm	1,650 x 920 x 740		1,650 x 1,220 x 740	
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-current protection		Over-current protection	
	Fan motor	-		-	
Refrigerant	Type x original charge	R410A x 21 lbs (9.5 kg)		R410A x 22 lbs + 12 oz (10.3 kg)	
Net weight	lbs (kg)	508 (230)		567 (257)	
Heat exchanger		Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube	
Optional parts		joint: CMY-Y102SS-G2, CMY-Y102LS-G2, CMY-R160-J1		joint: CMY-Y102SS-G2, CMY-Y102LS-G2, CMY-R160-J1	
		BC controller: CMB-P104, 105, 106, 108, 1010, 1013, 1016NU-G1		BC controller: CMB-P104, 105, 106, 108, 1010, 1013, 1016NU-G1	
		Main BC controller: CMB-P108, 1010, 1013, 1016NU-GA1, CMB-P108, 1010, 1016NU-HA1		Main BC controller: CMB-P108, 1010, 1013, 1016NU-GA1, CMB-P108, 1010, 1016NU-HA1	
		Sub BC controller: CMB-P104, 108NU-GB1, CMB-P1016NU-HB1		Sub BC controller: CMB-P104, 108NU-GB1, CMB-P1016NU-HB1	

Notes:

*1, *2 Heating and Cooling conditions (Test conditions are based on AHRI 1230)

	Indoor	Outdoor
Cooling	80°F D.B./67°F W.B. (26.7°C D.B./19.4°C W.B.)	95°F D.B. (35°C D.B.)
Heating	70°F D.B. (21.1°C D.B.)	47°F D.B./43°F W.B. (8.3°C D.B./6.1°C W.B.)

*3 External static pressure option is available (0.12 in.WG, 0.24 in.WG / 30Pa, 60Pa).

- * Due to continuing improvement, above specification may be subject to change without notice.
- * The data presented is based on a specific combination.

OUTDOOR UNIT R2-Series (575V) PURY-P ZKMU-A(-BS)



► Specifications

Outdoor Model		PURY-P120ZKMU-A (-BS)		PURY-P144ZKMU-A (-BS)	
Indoor Model		Non-Ducted	Ducted	Non-Ducted	Ducted
Power source		3-phase 3-wire 575 V ±10% 60 Hz		3-phase 3-wire 575 V ±10% 60 Hz	
Cooling capacity (Nominal)	*1	120,000		144,000	
	*1	35.2		42.2	
(575)	Power input	8.62		11.13	
	Current input	9.6		12.4	
(Rated)	BTU/h	114,000		137,000	
	kW	33.4		40.2	
(575)	Power input	7.97	8.31	9.93	10.68
	Current input	8.8	9.2	11.0	11.9
Temp. range of cooling	Indoor	59~75°F (15~24°C)		59~75°F (15~24°C)	
	Outdoor	23~115°F (-5~46°C)		23~115°F (-5~46°C)	
Heating capacity (Nominal)	*2	135,000		160,000	
	*2	39.6		46.9	
(575)	Power input	10.84		12.86	
	Current input	12.0		14.3	
(Rated)	BTU/h	129,000		152,000	
	kW	37.8		44.5	
(575)	Power input	10.32	10.40	11.90	12.13
	Current input	11.5	11.6	13.2	13.5
Temp. range of heating	Indoor	59~81°F (15~27°C)		59~81°F (15~27°C)	
	Outdoor	-4~60°F (-20~15.5°C)		-4~60°F (-20~15.5°C)	
Indoor unit connectable	Total capacity	50~150% of outdoor unit capacity		50~150% of outdoor unit capacity	
	Model/Quantity	P04~P96/1~30		P04~P96/1~36	
Sound pressure level (measured in anechoic room)	dB <A>	60.0		61.0	
Refrigerant piping diameter	High pressure	3/4 (19.05) Brazed		7/8 (22.2) Brazed	
	Low pressure	1-1/8 (28.58) Brazed		1-1/8 (28.58) Brazed	
Minimum Circuit Ampacity	A	21		23	
Maximum Overcurrent Protection	A	30		35	
FAN	Type x Quantity	Propeller fan x 2		Propeller fan x 2	
	Airflow rate	cfm	11,300		11,300
m³/min		320		320	
L/s		5,330		5,330	
	Control, Driving mechanism	Inverter-control, Brushless DC motor		Inverter-control, Brushless DC motor	
*3	Motor output	0.92+0.92		0.92+0.92	
	External static press.	0 in.WG (0 Pa)		0 in.WG (0 Pa)	
Compressor	Type x Quantity	Inverter scroll hermetic compressor x 1		Inverter scroll hermetic compressor x 1	
	Starting method	Inverter		Inverter	
	Motor output	8.2		9.5	
	Case heater	kW		-	
External finish		Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1>		Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1>	
External dimension H x W x D	in.	64-31/32 x 68-29/32 x 29-5/32		64-31/32 x 68-29/32 x 29-5/32	
	mm	1,650 x 1,750 x 740		1,650 x 1,750 x 740	
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-current protection		Over-current protection	
	Fan motor	-		-	
Refrigerant	Type x original charge	R410A x 26 lbs + 1 oz (11.8 kg)		R410A x 26 lbs + 1 oz (11.8 kg)	
Net weight	lbs (kg)	772 (350)		772 (350)	
Heat exchanger		Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube	
Optional parts		joint: CMY-Y102SS-G2,CMY-Y102LS-G2,CMY-R160-J1		joint: CMY-Y102SS-G2,CMY-Y102LS-G2,CMY-R160-J1	
		BC controller: CMB-P104,105,106,108,1010,1013,1016NU-G1		BC controller: CMB-P104,105,106,108,1010,1013,1016NU-G1	
		Main BC controller: CMB-P108,1010,1013,1016NU-GA1,CMB-P108,1010,1016NU-HA1		Main BC controller: CMB-P108,1010,1013,1016NU-GA1,CMB-P108,1010,1016NU-HA1	
		Sub BC controller: CMB-P104,108NU-GB1,CMB-P1016NU-HB1		Sub BC controller: CMB-P104,108NU-GB1,CMB-P1016NU-HB1	

Notes:

*1,*2 Heating and Cooling conditions (Test conditions are based on AHRI 1230)

	Indoor	Outdoor
Cooling	80°F D.B./67°F W.B. (26.7°C D.B./19.4°C W.B.)	95°F D.B. (35°C D.B.)
Heating	70°F D.B. (21.1°C D.B.)	47°F D.B./43°F W.B. (8.3°C D.B./6.1°C W.B.)

*3 External static pressure option is available (0.12 in.WG, 0.24 in.WG / 30Pa, 60Pa).

- * Due to continuing improvement, above specification may be subject to change without notice.
- * The data presented is based on a specific combination.

OUTDOOR UNIT R2-Series (575V) PURY-P ZSKMU-A(-BS)



► Specifications

Outdoor Model		PURY-P168ZSKMU-A (-BS)		PURY-P192ZSKMU-A (-BS)		PURY-P216ZSKMU-A (-BS)		
Indoor Model		Non-Ducted	Ducted	Non-Ducted	Ducted	Non-Ducted	Ducted	
Power source		3-phase 3-wire 575 V ±10% 60 Hz		3-phase 3-wire 575 V ±10% 60 Hz		3-phase 3-wire 575 V ±10% 60 Hz		
Cooling capacity (Nominal)	*1	BTU/h		192,000		216,000		
	*1	kW		56.3		63.3		
(575)	Power input	kW		15.92		17.74		
	Current input	A		17.7		19.7		
(Rated)		BTU/h		183,000		206,000		
		kW		53.6		60.4		
(575)	Power input	12.19	13.10	14.61	14.86	16.54	16.30	
	Current input	13.5	14.6	16.2	16.5	18.4	18.1	
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)		
	Outdoor	D.B. 23~115°F (-5~46°C)		23~115°F (-5~46°C)		23~115°F (-5~46°C)		
Heating capacity (Nominal)	*2	BTU/h		215,000		243,000		
	*2	kW		63.0		71.2		
(575)	Power input	kW		17.79		20.61		
	Current input	A		19.8		22.9		
(Rated)		BTU/h		205,000		232,000		
		kW		60.1		68.0		
(575)	Power input	13.97	14.82	16.58	16.57	19.39	19.04	
	Current input	15.5	16.5	18.4	18.4	21.6	21.2	
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)		
	Outdoor	W.B. -4~60°F (-20~15.5°C)		-4~60°F (-20~15.5°C)		-4~60°F (-20~15.5°C)		
Indoor unit connectable	Total capacity	50~150% of outdoor unit capacity		50~150% of outdoor unit capacity		50~150% of outdoor unit capacity		
	Model/Quantity	P04~P96/1~42		P04~P96/1~48		P04~P96/2~50 (Connectable branch pipe number is max. 48.)		
Sound pressure level (measured in anechoic room)	dB <A>	61.0		61.0		62.0		
Refrigerant	High pressure	in. (mm) 7/8 (22.2) Brazed		7/8 (22.2) Brazed		1-1/8 (28.58) Brazed		
piping diameter	Low pressure	in. (mm) 1-1/8 (28.58) Brazed		1-1/8 (28.58) Brazed		1-1/8 (28.58) Brazed		
Set Model								
Model		PURY-P96ZKMU-A (-BS)	PURY-P72ZKMU-A (-BS)	PURY-P96ZKMU-A (-BS)	PURY-P96ZKMU-A (-BS)	PURY-P120ZKMU-A (-BS)	PURY-P96ZKMU-A (-BS)	
Minimum Circuit Ampacity	A	15	11	15	15	21	15	
Maximum Overcurrent Protection	A	20	15	20	20	30	20	
FAN	Type x Quantity	Propeller fan x 1		Propeller fan x 1		Propeller fan x 2		
	Airflow rate	cfm	6,550	6,550	6,550	6,550	11,300	6,550
		m ³ /min	185	185	185	185	320	185
		L/s	3,080	3,080	3,080	3,080	5,330	3,080
	Control, Driving mechanism	Inverter-control, Brushless DC motor		Inverter-control, Brushless DC motor		Inverter-control, Brushless DC motor		
	Motor output	kW 0.92		0.92		0.92+0.92		
	*3 External static press.	0 in.WG (0 Pa)		0 in.WG (0 Pa)		0 in.WG (0 Pa)		
Compressor	Type x Quantity	Inverter scroll hermetic compressor x 1		Inverter scroll hermetic compressor x 1		Inverter scroll hermetic compressor x 1		
	Starting method	Inverter		Inverter		Inverter		
	Motor output	kW 6.6		6.6		8.2		
	Case heater	kW -		-		-		
External finish		Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1>		Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1>		Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1>		
External dimension H x W x D	in.	64-31/32 x 48-1/16 x 29-5/32	64-31/32 x 36-1/4 x 29-5/32	64-31/32 x 48-1/16 x 29-5/32	64-31/32 x 48-1/16 x 29-5/32	64-31/32 x 68-29/32 x 29-5/32	64-31/32 x 48-1/16 x 29-5/32	
	mm	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 1,750 x 740	1,650 x 1,220 x 740	
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-current protection		Over-current protection		Over-current protection		
	Fan motor	-		-		-		
Refrigerant	Type x original charge	R410A x 22 lbs + 12 oz (10.3 kg)	R410A x 21 lbs (9.5 kg)	R410A x 22 lbs + 12 oz (10.3 kg)	R410A x 22 lbs + 12 oz (10.3 kg)	R410A x 26 lbs + 1 oz (11.8 kg)	R410A x 22 lbs + 12 oz (10.3 kg)	
Net weight	lbs (kg)	567 (257)	508 (230)	567 (257)	567 (257)	772 (350)	567 (257)	
Heat exchanger		Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube		
Optional parts		Outdoor Twinning kit: CMY-R100CBK2 joint: CMY-Y102SS-G2, CMY-Y102LS-G2, CMY-Y202S-G2, CMY-R160-J1 Main BC controller: CMB-P108, 1010, 1013, 1016NU-GA1, CMB-P108, 1010, 1016NU-HA1 Sub BC controller: CMB-P104, 108NU-GB1, CMB-P1016NU-HB1		Outdoor Twinning kit: CMY-R100CBK2 joint: CMY-Y102SS-G2, CMY-Y102LS-G2, CMY-Y202S-G2, CMY-R160-J1 Main BC controller: CMB-P108, 1010, 1013, 1016NU-GA1, CMB-P108, 1010, 1016NU-HA1 Sub BC controller: CMB-P104, 108NU-GB1, CMB-P1016NU-HB1		Outdoor Twinning kit: CMY-R100XLCBK joint: CMY-Y102SS-G2, CMY-Y102LS-G2, CMY-Y202S-G2, CMY-R160-J1 Main BC controller: CMB-P108, 1010, 1013, 1016NU-GA1, CMB-P108, 1010, 1016NU-HA1 Sub BC controller: CMB-P104, 108NU-GB1, CMB-P1016NU-HB1		

Notes:

*1,*2 Heating and Cooling conditions (Test conditions are based on AHRI 1230)

	Indoor	Outdoor
Cooling	80°F D.B./67°F W.B. (26.7°C D.B./19.4°C W.B.)	95°F D.B. (35°C D.B.)
Heating	70°F D.B. (21.1°C D.B.)	47°F D.B./43°F W.B. (8.3°C D.B./6.1°C W.B.)

*3 External static pressure option is available (0.12 in.WG, 0.24 in.WG / 30Pa, 60Pa).

- * Due to continuing improvement, above specification may be subject to change without notice.
- * The data presented is based on a specific combination.

OUTDOOR UNIT R2-Series (575V) PURY-P ZSKMU-A(-BS)



► Specifications

Outdoor Model		PURY-P240ZSKMU-A (-BS)		PURY-P264ZSKMU-A (-BS)		
Indoor Model		Non-Ducted	Ducted	Non-Ducted	Ducted	
Power source		3-phase 3-wire 575 V ±10% 60 Hz		3-phase 3-wire 575 V ±10% 60 Hz		
Cooling capacity (Nominal)	*1	240,000		264,000		
	*1	70.3		77.4		
(575)	Power input	19.62		22.69		
	Current input	21.8		25.3		
(Rated)	BTU/h	228,000		251,000		
	kW	66.8		73.6		
(575)	Power input	17.99	18.33	20.79	21.22	
	Current input	20.0	20.4	23.1	23.6	
Temp. range of cooling	Indoor	59~75°F (15~24°C)		59~75°F (15~24°C)		
	Outdoor	23~115°F (-5~46°C)		23~115°F (-5~46°C)		
Heating capacity (Nominal)	*2	270,000		295,000		
	*2	79.1		86.5		
(575)	Power input	23.55		25.94		
	Current input	26.2		28.9		
(Rated)	BTU/h	258,000		281,000		
	kW	75.6		82.4		
(575)	Power input	21.90	21.97	24.34	24.00	
	Current input	24.4	24.5	27.1	26.7	
Temp. range of heating	Indoor	59~81°F (15~27°C)		59~81°F (15~27°C)		
	Outdoor	-4~60°F (-20~15.5°C)		-4~60°F (-20~15.5°C)		
Indoor unit connectable	Total capacity	50~150% of outdoor unit capacity		50~150% of outdoor unit capacity		
	Model/Quantity	P04~P96/2~50 (Connectable branch pipe number is max. 48.)		P04~P96/2~50 (Connectable branch pipe number is max. 48.)		
Sound pressure level (measured in anechoic room)	dB <A>	63.0		63.5		
Refrigerant	High pressure	1-1/8 (28.58) Brazed		1-1/8 (28.58) Brazed		
piping diameter	Low pressure	1-3/8 (34.93) Brazed		1-3/8 (34.93) Brazed		
Set Model						
Model		PURY-P120ZKMU-A (-BS)	PURY-P120ZKMU-A (-BS)	PURY-P144ZKMU-A (-BS)	PURY-P120ZKMU-A (-BS)	
Minimum Circuit Ampacity	A	21	21	23	21	
Maximum Overcurrent Protection	A	30	30	35	30	
FAN	Type x Quantity	Propeller fan x 2		Propeller fan x 2		
	Airflow rate	cfm	11,300	11,300	11,300	11,300
		m ³ /min	320	320	320	320
		L/s	5,330	5,330	5,330	5,330
	Control, Driving mechanism	Inverter-control, Brushless DC motor		Inverter-control, Brushless DC motor		
	Motor output	0.92+0.92	0.92+0.92	0.92+0.92	0.92+0.92	
*3 External static press.	0 in.WG (0 Pa)		0 in.WG (0 Pa)			
Compressor	Type x Quantity	Inverter scroll hermetic compressor x 1		Inverter scroll hermetic compressor x 1		
	Starting method	Inverter		Inverter		
	Motor output	8.2	8.2	9.5	8.2	
	Case heater	-		-		
External finish		Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1>		Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1>		
External dimension H x W x D	in.	64-31/32 x 68-29/32 x 29-5/32	64-31/32 x 68-29/32 x 29-5/32	64-31/32 x 68-29/32 x 29-5/32	64-31/32 x 68-29/32 x 29-5/32	
	mm	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	
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-current protection		Over-current protection		
	Fan motor	-		-		
Refrigerant	Type x original charge	R410A x 26 lbs + 1 oz (11.8 kg)	R410A x 26 lbs + 1 oz (11.8 kg)	R410A x 26 lbs + 1 oz (11.8 kg)	R410A x 26 lbs + 1 oz (11.8 kg)	
Net weight	lbs (kg)	772 (350)	772 (350)	772 (350)	772 (350)	
Heat exchanger		Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube		
Optional parts		Outdoor Twinning kit: CMY-R100XLCBK joint: CMY-Y102SS-G2, CMY-Y102LS-G2, CMY-Y202S-G2, CMY-R160-J1 Main BC controller: CMB-P108, 1010, 1013, 1016NU-GA1, CMB-P108, 1010, 1016NU-HA1 Sub BC controller: CMB-P104, 108NU-GB1, CMB-P1016NU-HB1		Outdoor Twinning kit: CMY-R100XLCBK joint: CMY-Y102SS-G2, CMY-Y102LS-G2, CMY-Y202S-G2, CMY-R160-J1 Main BC controller: CMB-P108, 1010, 1016NU-HA1 Sub BC controller: CMB-P104, 108NU-GB1, CMB-P1016NU-HB1		

Notes:

*1, *2 Heating and Cooling conditions (Test conditions are based on AHRI 1230)

	Indoor	Outdoor
Cooling	80°F D.B./67°F W.B. (26.7°C D.B./19.4°C W.B.)	95°F D.B. (35°C D.B.)
Heating	70°F D.B. (21.1°C D.B.)	47°F D.B./43°F W.B. (8.3°C D.B./6.1°C W.B.)

*3 External static pressure option is available (0.12 in.WG, 0.24 in.WG / 30Pa, 60Pa).

- Due to continuing improvement, above specification may be subject to change without notice.
- The data presented is based on a specific combination.

HEAT SOURCE UNIT WY-Series (575V) PQHY-P ZLMU-A1



► Specifications

Heat Source Model		PQHY-P72ZLMU-A1		PQHY-P96ZLMU-A1		PQHY-P120ZLMU-A1		
Indoor Model		Non-Ducted	Ducted	Non-Ducted	Ducted	Non-Ducted	Ducted	
Power source		3-phase 3-wire 575 V ±10% 60 Hz		3-phase 3-wire 575 V ±10% 60 Hz		3-phase 3-wire 575 V ±10% 60 Hz		
Cooling capacity (Nominal)	*1	72,000		96,000		120,000		
	*1	21.1		28.1		35.2		
(575)	Power input	3.61		5.21		7.51		
	Current input	4.0		5.8		8.3		
(Rated)		69,000		92,000		114,000		
		20.2		27.0		33.4		
(575)	Power input	3.34	3.12	4.82	5.19	6.95	7.35	
	Current input	3.7	3.4	5.3	5.7	7.7	8.2	
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)		
	Inlet water	°F 50~113°F (10~45°C)		50~113°F (10~45°C)		50~113°F (10~45°C)		
Heating capacity (Nominal)	*2	80,000		108,000		135,000		
	*2	23.4		31.7		39.6		
(575)	Power input	4.04		5.64		7.09		
	Current input	4.5		6.2		7.9		
(Rated)		76,000		103,000		129,000		
		22.3		30.2		37.8		
(575)	Power input	3.74	3.36	5.21	4.48	6.55	5.92	
	Current input	4.1	3.7	5.8	4.9	7.3	6.6	
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)		
	Inlet water	°F 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	P04~P72/1~18		P04~P96/1~24		P04~P96/1~30		
Sound pressure level (measured in anechoic room)	dB <A>	46.0		48.0		54.0		
Refrigerant piping diameter	Liquid pipe	in. (mm) 3/8 (9.52) Brazed		3/8 (9.52) Brazed (1/2 (12.7) Brazed, total length >= 90 m)		3/8 (9.52) Brazed (1/2 (12.7) Brazed, total length >= 40 m)		
	Gas pipe	in. (mm) 3/4 (19.05) Brazed		7/8 (22.2) Brazed		7/8 (22.2) Brazed		
Minimum Circuit Ampacity	A	5		7		11		
Maximum Overcurrent Protection	A	15		15		15		
Inlet water	Water flow rate	G/h	1,522		1,522		1,522	
		G/min (gpm)	25.4		25.4		25.4	
		m³/h	5.76		5.76		5.76	
		L/min	96		96		96	
	Pressure drop	cfm	3.4		3.4		3.4	
		psi	3.48		3.48		3.48	
	Operating volume range	kPa	24		24		24	
		G/h	793 ~ 1,902		793 ~ 1,902		793 ~ 1,902	
	G/min (gpm)	13.2 ~ 31.7		13.2 ~ 31.7		13.2 ~ 31.7		
	m³/h	3.0 ~ 7.2		3.0 ~ 7.2		3.0 ~ 7.2		
Compressor	Type x Quantity	Inverter scroll hermetic compressor x 1		Inverter scroll hermetic compressor x 1		Inverter scroll hermetic compressor x 1		
	Starting method	Inverter		Inverter		Inverter		
	Motor output	kW 4.3		6.0		7.7		
	Case heater	-		-		-		
External finish		Galvanized steel sheets		Galvanized steel sheets		Galvanized steel sheets		
External dimension H x W x D	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	Over-heat protection, Over-current protection		Over-heat protection, Over-current protection		Over-heat protection, Over-current protection		
	Compressor	Over-heat protection		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)		R410A x 11 lbs + 1 oz (5.0 kg)		
Net weight	lbs (kg)	404 (183)		404 (183)		404 (183)		
Heat exchanger			plate type		plate type		plate type	
	Water volume in plate	G	1.32		1.32		1.32	
	Water pressure	l	5.0		5.0		5.0	
		psi	290		290		290	
Max.	MPa	2.0		2.0		2.0		
Optional parts		joint: CMY-Y102SS-G2, CMY-Y102LS-G2 Header: CMY-Y104, 108, 1010C-G		joint: CMY-Y102SS-G2, CMY-Y102LS-G2 Header: CMY-Y104, 108, 1010C-G		joint: CMY-Y102SS-G2, CMY-Y102LS-G2, CMY-Y202S-G2 Header: CMY-Y104, 108, 1010C-G		

Notes:

*1,*2 Heating and Cooling conditions (Test conditions are based on AHRI 1230)

	Indoor	Water temperature
Cooling	81°F D.B./66°F W.B. (27°C D.B./19°C W.B.)	86°F (30°C)
Heating	68°F D.B. (20°C D.B.)	68°F (20°C)

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

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

*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.

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

*8 Install the supplied insulation material to the unused drain-socket.

*9 When installing insulation material around both water and refrigerant piping, follow the installation manual.

*10 Inlet Water Temperature Range can be as low -5°C (23°F) and Anti-freeze shall be added if inlet water temperature is below 10°C (50°F) as per recommended concentration and system settings. Please consult with your local representative and technical literature for more details.

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

OUTDOOR UNIT R2-Series (575V) PURY-P ZSKMU-A(-BS)



► Specifications

Outdoor Model		PURY-P288ZSKMU-A (-BS)		
Indoor Model		Non-Ducted	Ducted	
Power source		3-phase 3-wire 575 V ±10% 60 Hz		
Cooling capacity (Nominal)	*1 BTU/h	288,000		
	*1 kW	84.4		
(575)	Power input kW	25.23		
	Current input A	28.1		
(Rated)	BTU/h	274,000		
	kW	80.3		
(575)	Power input kW	23.33	23.39	
	Current input A	26.0	26.0	
Temp. range of cooling	Indoor W.B.	59~75°F (15~24°C)		
	Outdoor D.B.	23~115°F (-5~46°C)		
Heating capacity (Nominal)	*2 BTU/h	323,000		
	*2 kW	94.7		
(575)	Power input kW	28.13		
	Current input A	31.3		
(Rated)	BTU/h	304,000		
	kW	89.1		
(575)	Power input kW	26.48	25.95	
	Current input A	29.5	28.9	
Temp. range of heating	Indoor D.B.	59~81°F (15~27°C)		
	Outdoor W.B.	-4~60°F (-20~15.5°C)		
Indoor unit connectable	Total capacity	50~150% of outdoor unit capacity		
	Model/Quantity	P04~P96/2~50 (Connectable branch pipe number is max. 48.)		
Sound pressure level (measured in anechoic room)	dB <A>	64.0		
Refrigerant piping diameter	High pressure in. (mm)	1-1/8 (28.58) Brazed		
	Low pressure in. (mm)	1-3/8 (34.93) Brazed		
Set Model				
Model		PURY-P144ZKMU-A (-BS)	PURY-P144ZKMU-A (-BS)	
Minimum Circuit Ampacity	A	23	23	
Maximum Overcurrent Protection	A	35	35	
FAN	Type x Quantity	Propeller fan x 2		
	Airflow rate	cfm	11,300	11,300
		m³/min	320	320
		L/s	5,330	5,330
	Control, Driving mechanism	Inverter-control, Brushless DC motor		
*3 Motor output kW	0.92+0.92	0.92+0.92		
External static press.	0 in.WG (0 Pa)			
Compressor	Type x Quantity	Inverter scroll hermetic compressor x 1		
	Starting method	Inverter	Inverter	
	Motor output kW	9.5	9.5	
	Case heater kW	-	-	
External finish	Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1>			
External dimension H x W x D	in.	64-31/32 x 68-29/32 x 29-5/32	64-31/32 x 68-29/32 x 29-5/32	
	mm	1,650 x 1,750 x 740	1,650 x 1,750 x 740	
Protection devices	High pressure protection	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)		
	Inverter circuit (COMP./FAN)	Over-current protection		
	Fan motor	-		
Refrigerant	Type x original charge	R410A x 26 lbs + 1 oz. (11.8 kg)	R410A x 26 lbs + 1 oz. (11.8 kg)	
Net weight	lbs (kg)	772 (350)	772 (350)	
Heat exchanger	Salt-resistant cross fin & copper tube			
Optional parts	Outdoor Twinning kit: CMY-R100XLCBK joint: CMY-Y102SS-G2, CMY-Y102LS-G2, CMY-Y202S-G2, CMY-R160-J1 Main BC controller: CMB-P108, 1010, 1016NU-HA1 Sub BC controller: CMB-P104, 108NU-GB1, CMB-P1016NU-HB1			

Notes:

*1, *2 Heating and Cooling conditions (Test conditions are based on AHRI 1230)

	Indoor	Outdoor
Cooling	80°F D.B./67°F W.B. (26.7°C D.B./19.4°C W.B.)	95°F D.B. (35°C D.B.)
Heating	70°F D.B. (21.1°C D.B.)	47°F D.B./43°F W.B. (8.3°C D.B./6.1°C W.B.)

*3 External static pressure option is available (0.12 in.WG, 0.24 in.WG / 30Pa, 60Pa).

- * Due to continuing improvement, above specification may be subject to change without notice.
- * The data presented is based on a specific combination.

HEAT SOURCE UNIT WY-Series (575V) PQHY-P ZLMU-A1



► Specifications

Heat Source Model		PQHY-P144ZLMU-A1		PQHY-P168ZLMU-A1		PQHY-P192ZLMU-A1		
Indoor Model		Non-Ducted	Ducted	Non-Ducted	Ducted	Non-Ducted	Ducted	
Power source		3-phase 3-wire 575 V ±10% 60 Hz		3-phase 3-wire 575 V ±10% 60 Hz		3-phase 3-wire 575 V ±10% 60 Hz		
Cooling capacity (Nominal)	*1	144,000		168,000		192,000		
	*1	42.2		49.2		56.3		
(575)	Power input	8.78		12.05		15.05		
	Current input	9.7		13.4		16.7		
(Rated)	BTU/h	137,000		161,000		183,000		
	kW	40.2		47.2		53.6		
(575)	Power input	8.07	9.98	11.10	11.88	13.87	14.19	
	Current input	9.0	11.1	12.3	13.2	15.4	15.8	
Temp. range of cooling	Indoor	59~75°F (15~24°C)		59~75°F (15~24°C)		59~75°F (15~24°C)		
	Inlet water	50~113°F (10~45°C)		50~113°F (10~45°C)		50~113°F (10~45°C)		
Heating capacity (Nominal)	*2	160,000		188,000		215,000		
	*2	46.9		55.1		63.0		
(575)	Power input	8.11		9.86		11.90		
	Current input	9.0		11.0		13.2		
(Rated)	BTU/h	152,000		179,000		205,000		
	kW	44.5		52.5		60.1		
(575)	Power input	7.47	7.90	9.09	9.72	10.97	11.56	
	Current input	8.3	8.8	10.1	10.8	12.2	12.8	
Temp. range of heating	Indoor	59~81°F (15~27°C)		59~81°F (15~27°C)		59~81°F (15~27°C)		
	Inlet water	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	P04~P96/1~36		P04~P96/1~42		P04~P96/1~48		
Sound pressure level (measured in anechoic room)	dB <A>	54.0		56.0		58.0		
Refrigerant piping diameter	Liquid pipe	1/2 (12.7) Brazed		5/8 (15.88) Brazed		5/8 (15.88) Brazed		
	Gas pipe	1-1/8 (28.58) Brazed		1-1/8 (28.58) Brazed		1-1/8 (28.58) Brazed		
Minimum Circuit Ampacity	A	13		16		20		
Maximum Overcurrent Protection	A	20		25		30		
Inlet water	Water flow rate	G/h	1,902		1,902		1,902	
		G/min (gpm)	31.7		31.7		31.7	
		m³/h	7.20		7.20		7.20	
		L/min	120		120		120	
	Pressure drop	cfm	4.2		4.2		4.2	
		psi	6.38		6.38		6.38	
		kPa	44		44		44	
Operating volume range	G/h	1,189 ~ 3,054		1,189 ~ 3,054		1,189 ~ 3,054		
	G/min (gpm)	19.8 ~ 50.9		19.8 ~ 50.9		19.8 ~ 50.9		
	m³/h	4.5 ~ 11.6		4.5 ~ 11.6		4.5 ~ 11.6		
Compressor	Type x Quantity	Inverter scroll hermetic compressor x 1		Inverter scroll hermetic compressor x 1		Inverter scroll hermetic compressor x 1		
	Starting method	Inverter		Inverter		Inverter		
	Motor output	9.5		11.0		12.4		
	Case heater	-		-		-		
External finish		Galvanized steel sheets		Galvanized steel sheets		Galvanized steel sheets		
External dimension H x W x D	in.	57-1/8 x 34-11/16 x 21-11/16		57-1/8 x 34-11/16 x 21-11/16		57-1/8 x 34-11/16 x 21-11/16		
	mm	1,450 x 880 x 550		1,450 x 880 x 550		1,450 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	Over-heat protection, Over-current protection		Over-heat protection, Over-current protection		Over-heat protection, Over-current protection		
	Compressor	Over-heat protection		Over-heat protection		Over-heat protection		
Refrigerant	Type x original charge	R410A x 13 lbs + 4 oz (6.0 kg)		R410A x 13 lbs + 4 oz (6.0 kg)		R410A x 13 lbs + 4 oz (6.0 kg)		
Net weight	lbs (kg)	505 (229)		505 (229)		505 (229)		
Heat exchanger			plate type		plate type		plate type	
	Water volume	G	1.32		1.32		1.32	
	in plate	l	5.0		5.0		5.0	
	Water pressure	psi	290		290		290	
Max.	MPa	2.0		2.0		2.0		
Optional parts		joint: CMY-Y102SS-G2, CMY-Y102LS-G2, CMY-Y202S-G2 Header: CMY-Y104, 108, 1010C-G		joint: CMY-Y102SS-G2, CMY-Y102LS-G2, CMY-Y202S-G2 Header: CMY-Y104, 108, 1010C-G		joint: CMY-Y102SS-G2, CMY-Y102LS-G2, CMY-Y202S-G2, CMY-Y302S-G2 Header: CMY-Y104, 108, 1010C-G		

Notes:

*1,*2 Heating and Cooling conditions (Test conditions are based on AHRI 1230)

	Indoor	Water temperature
Cooling	81°F D.B./66°F W.B. (27°C D.B./19°C W.B.)	86°F (30°C)
Heating	68°F D.B. (20°C D.B.)	68°F (20°C)

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

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

*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.

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

*8 Install the supplied insulation material to the unused drain-socket.

*9 When installing insulation material around both water and refrigerant piping, follow the installation manual.

*10 Inlet Water Temperature Range can be as low -5°C (23°F) and Anti-freeze shall be added if inlet water temperature is below 10°C (50°F) as per recommended concentration and system settings. Please consult with your local representative and technical literature for more details.

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

HEAT SOURCE UNIT WY-Series (575V) PQHY-P ZSLMU-A1



► Specifications

Heat Source Model		PQHY-P144ZSLMU-A1		PQHY-P168ZSLMU-A1		PQHY-P192ZSLMU-A1	
Indoor Model		Non-Ducted	Ducted	Non-Ducted	Ducted	Non-Ducted	Ducted
Power source		3-phase 3-wire 575 V ±10% 60 Hz		3-phase 3-wire 575 V ±10% 60 Hz		3-phase 3-wire 575 V ±10% 60 Hz	
Cooling capacity (Nominal)	*1	144,000		168,000		192,000	
	*1	42.2		49.2		56.3	
(575)	Power input	7.11		9.33		11.30	
	Current input	7.9		10.4		12.6	
(Rated)	BTU/h	137,000		161,000		183,000	
	kW	40.2		47.2		53.6	
(575)	Power input	6.53	7.72	8.58	9.22	10.40	10.98
	Current input	7.2	8.6	9.5	10.2	11.6	12.2
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)	
	Inlet water	°F 50~113°F (10~45°C)		50~113°F (10~45°C)		50~113°F (10~45°C)	
Heating capacity (Nominal)	*2	160,000		188,000		215,000	
	*2	46.9		55.1		63.0	
(575)	Power input	7.45		9.34		11.02	
	Current input	8.3		10.4		12.2	
(Rated)	BTU/h	152,000		179,000		205,000	
	kW	44.5		52.5		60.1	
(575)	Power input	6.86	7.22	8.60	8.03	10.16	8.90
	Current input	7.6	8.0	9.5	8.9	11.3	9.9
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)	
	Inlet water	°F 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		P04~P96/1~36		P04~P96/1~42		P04~P96/1~48	
Sound pressure level (measured in anechoic room)	dB <A>	49.0		50.0		51.0	
Refrigerant	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-P72ZLMU-A1	PQHY-P72ZLMU-A1	PQHY-P96ZLMU-A1	PQHY-P72ZLMU-A1	PQHY-P96ZLMU-A1	PQHY-P96ZLMU-A1
Minimum Circuit Ampacity	A	5	5	7	5	7	7
Maximum Overcurrent Protection	A	15	15	15	15	15	15
Inlet water	Water flow rate	G/h		1,522 + 1,522		1,522 + 1,522	
		G/min (gpm)		25.4 + 25.4		25.4 + 25.4	
		m³/h		5.76 + 5.76		5.76 + 5.76	
		L/min		96 + 96		96 + 96	
		cfm		3.4 + 3.4		3.4 + 3.4	
	Pressure drop	psi	3.48	3.48	3.48	3.48	3.48
kPa		24	24	24	24	24	24
Operating volume range	G/h	793 + 793 ~ 1,902 + 1,902		793 + 793 ~ 1,902 + 1,902		793 + 793 ~ 1,902 + 1,902	
	G/min (gpm)	13.2 + 13.2 ~ 31.7 + 31.7		13.2 + 13.2 ~ 31.7 + 31.7		13.2 + 13.2 ~ 31.7 + 31.7	
	m³/h	3.0 + 3.0 ~ 7.2 + 7.2		3.0 + 3.0 ~ 7.2 + 7.2		3.0 + 3.0 ~ 7.2 + 7.2	
Compressor	Type x Quantity	Inverter scroll hermetic compressor x 1		Inverter scroll hermetic compressor x 1		Inverter scroll hermetic compressor x 1	
	Starting method	Inverter		Inverter		Inverter	
	Motor output	kW 4.3		6.0		4.3	
	Case heater	kW -		-		-	
External finish		Galvanized steel sheets		Galvanized steel sheets		Galvanized steel sheets	
External dimension H x W x D	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	Over-heat protection, Over-current protection		Over-heat protection, Over-current protection		Over-heat protection, Over-current protection	
	Compressor	Over-heat protection		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)	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)	R410A x 11 lbs + 1 oz (5.0 kg)
Net weight	lbs (kg)	404 (183)	404 (183)	404 (183)	404 (183)	404 (183)	404 (183)
Heat exchanger		plate type	plate type	plate type	plate type	plate type	plate type
	Water volume	G	1.32	1.32	1.32	1.32	1.32
	in plate	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
Pipe between unit and distributor	Liquid pipe	in. (mm) 3/8 (9.52) Brazed	3/8 (9.52) Brazed	3/8 (9.52) Brazed	3/8 (9.52) Brazed	3/8 (9.52) Brazed	3/8 (9.52) Brazed
	Gas pipe	in. (mm) 3/4 (19.05) Brazed	3/4 (19.05) Brazed	7/8 (22.2) Brazed	7/8 (22.2) Brazed	7/8 (22.2) Brazed	7/8 (22.2) Brazed
Optional parts		Heat Source Twinning kit: CMY-Y100CBK3 joint: CMY-Y102SS-G2, CMY-Y102LS-G2, CMY-Y202S-G2 Header: CMY-Y104, 108, 1010C-G		Heat Source Twinning kit: CMY-Y100CBK3 joint: CMY-Y102SS-G2, CMY-Y102LS-G2, CMY-Y202S-G2 Header: CMY-Y104, 108, 1010C-G		Heat Source Twinning kit: CMY-Y100CBK3 joint: CMY-Y102SS-G2, CMY-Y102LS-G2, CMY-Y202S-G2, CMY-Y302S-G2 Header: CMY-Y104, 108, 1010C-G	

Notes:

*1,*2 Heating and Cooling conditions (Test conditions are based on AHRI 1230)

	Indoor	Water temperature
Cooling	81°F D.B./66°F W.B. (27°C D.B./19°C W.B.)	86°F (30°C)
Heating	68°F D.B. (20°C D.B.)	68°F (20°C)

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

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

*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.

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

*8 Install the supplied insulation material to the unused drain-socket.

*9 When installing insulation material around both water and refrigerant piping, follow the installation manual.

*10 Inlet Water Temperature Range can be as low -5°C (23°F) and Anti-freeze shall be added if inlet water temperature is below 10°C (50°F) as per recommended concentration and system settings. Please consult with your local representative and technical literature for more details.

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

HEAT SOURCE UNIT WY-Series (575V) PQHY-P ZSLMU-A1



► Specifications

Heat Source Model			PQHY-P216ZSLMU-A1				PQHY-P240ZSLMU-A1			
Indoor Model			Non-Ducted		Ducted		Non-Ducted		Ducted	
Power source			3-phase 3-wire 575 V ±10% 60 Hz				3-phase 3-wire 575 V ±10% 60 Hz			
Cooling capacity (Nominal)	*1	BTU/h	216,000		240,000		240,000		240,000	
		*1 kW	63.3		70.3		70.3		70.3	
(575)	Power input	kW	14.03		16.89		16.89		16.89	
		Current input	A		15.6		18.8		18.8	
(Rated)	BTU/h	206,000		228,000		228,000		228,000		
		kW	60.4		66.8		66.8		66.8	
(575)	Power input	kW	12.93	13.24		15.57	16.15		16.15	
		Current input	A	14.4	14.7		17.3	18.0		
Temp. range of cooling	Indoor	W.B.	59~75°F (15~24°C)				59~75°F (15~24°C)			
	Inlet water	°F	50~113°F (10~45°C)				50~113°F (10~45°C)			
Heating capacity (Nominal)	*2	BTU/h	243,000		270,000		270,000		270,000	
		*2 kW	71.2		79.1		79.1		79.1	
(575)	Power input	kW	12.88		14.58		14.58		14.58	
		Current input	A		14.3		16.2		16.2	
(Rated)	BTU/h	232,000		258,000		258,000		258,000		
		kW	68.0		75.6		75.6		75.6	
(575)	Power input	kW	11.88	10.35		13.45	12.02		12.02	
		Current input	A	13.2	11.5		15.0	13.4		
Temp. range of heating	Indoor	D.B.	59~81°F (15~27°C)				59~81°F (15~27°C)			
	Inlet water	°F	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				
Model/Quantity	P04~P96/2~50				P04~P96/2~50					
Sound pressure level (measured in anechoic room)	dB <A>	55.0				57.0				
Refrigerant	Liquid pipe	in. (mm)	5/8 (15.88) Brazed				5/8 (15.88) Brazed			
piping diameter	Gas pipe	in. (mm)	1-1/8 (28.58) Brazed				1-1/8 (28.58) Brazed			
Set Model			PQHY-P120ZLMU-A1				PQHY-P96ZLMU-A1			
Minimum Circuit Ampacity	A	11		7		11		11		
Maximum Overcurrent Protection	A	15		15		15		15		
Inlet water	Water flow rate	G/h	1,522 + 1,522				1,522 + 1,522			
		G/min (gpm)	25.4 + 25.4				25.4 + 25.4			
		m³/h	5.76 + 5.76				5.76 + 5.76			
		L/min	96 + 96				96 + 96			
		cfm	3.4 + 3.4				3.4 + 3.4			
		Pressure drop	psi	3.48		3.48		3.48		3.48
	kPa	24		24		24		24		
Operating volume range	G/h	793 + 793 ~ 1,902 + 1,902				793 + 793 ~ 1,902 + 1,902				
		G/min (gpm)	13.2 + 13.2 ~ 31.7 + 31.7				13.2 + 13.2 ~ 31.7 + 31.7			
		m³/h	3.0 + 3.0 ~ 7.2 + 7.2				3.0 + 3.0 ~ 7.2 + 7.2			
Compressor	Type x Quantity	Inverter scroll hermetic compressor x 1				Inverter scroll hermetic compressor x 1				
	Starting method	Inverter				Inverter				
	Motor output	kW		7.7		6.0		7.7		
	Case heater	kW		-		-		-		
External finish			Galvanized steel sheets				Galvanized steel sheets			
External dimension H x W x D	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	Over-heat protection, Over-current protection				Over-heat protection, Over-current protection				
	Compressor	Over-heat protection		Over-heat protection		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)		R410A x 11 lbs + 1 oz (5.0 kg)		R410A x 11 lbs + 1 oz (5.0 kg)		
Net weight	lbs (kg)	404 (183)		404 (183)		404 (183)		404 (183)		
Heat exchanger	plate type	plate type		plate type		plate type		plate type		
		Water volume	G	1.32		1.32		1.32		
		in plate	l	5.0		5.0		5.0		
		Water pressure	psi	290		290		290		
Max.	MPa	2.0		2.0		2.0				
Pipe between unit and distributor	Liquid pipe	in. (mm)	1/2 (12.7) Brazed		1/2 (12.7) Brazed		1/2 (12.7) Brazed		1/2 (12.7) Brazed	
	Gas pipe	in. (mm)	7/8 (22.2) Brazed		7/8 (22.2) Brazed		7/8 (22.2) Brazed		7/8 (22.2) Brazed	
Optional parts			Heat Source Twinning kit: CMY-Y100CBK3 joint: CMY-Y102SS-G2, CMY-Y102LS-G2, CMY-Y202S-G2, CMY-Y302S-G2 Header: CMY-Y104, 108, 1010C-G				Heat Source Twinning kit: CMY-Y100CBK3 joint: CMY-Y102SS-G2, CMY-Y102LS-G2, CMY-Y202S-G2, CMY-Y302S-G2 Header: CMY-Y104, 108, 1010C-G			

Notes:

*1,*2 Heating and Cooling conditions (Test conditions are based on AHRI 1230)

	Indoor	Water temperature
Cooling	81°F D.B./66°F W.B. (27°C D.B./19°C W.B.)	86°F (30°C)
Heating	68°F D.B. (20°C D.B.)	68°F (20°C)

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

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

*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.

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

*8 Install the supplied insulation material to the unused drain-socket.

*9 When installing insulation material around both water and refrigerant piping, follow the installation manual.

*10 Inlet Water Temperature Range can be as low -5°C (23°F) and Anti-freeze shall be added if inlet water temperature is below 10°C (50°F) as per recommended concentration and system settings. Please consult with your local representative and technical literature for more details.

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

HEAT SOURCE UNIT WY-Series (575V) PQHY-P ZSLMU-A1



► Specifications

Heat Source Model			PQHY-P288ZSLMU-A1				PQHY-P312ZSLMU-A1			
Indoor Model			Non-Ducted		Ducted		Non-Ducted		Ducted	
Power source			3-phase 3-wire 575 V ±10% 60 Hz				3-phase 3-wire 575 V ±10% 60 Hz			
Cooling capacity (Nominal)	*1	BTU/h	288,000		312,000		312,000		312,000	
		*1 kW	84.4		91.4		91.4		91.4	
(575)	Power input	kW	20.42		23.41		23.41		23.41	
		Current input	A		22.7		26.1		26.1	
(Rated)	BTU/h	275,000		297,000		297,000		297,000		
		kW	80.6		87.0		87.0		87.0	
(575)	Power input	kW	18.82	21.43		21.59	23.67		23.67	
		Current input	A	20.9	23.9		24.0	26.4		26.4
Temp. range of cooling	Indoor	W.B.	59~75°F (15~24°C)				59~75°F (15~24°C)			
	Inlet water	°F	50~113°F (10~45°C)				50~113°F (10~45°C)			
Heating capacity (Nominal)	*2	BTU/h	323,000		350,000		350,000		350,000	
		*2 kW	94.7		102.6		102.6		102.6	
(575)	Power input	kW	17.50		19.11		19.11		19.11	
		Current input	A		19.5		21.3		21.3	
(Rated)	BTU/h	308,000		334,000		334,000		334,000		
		kW	90.3		97.9		97.9		97.9	
(575)	Power input	kW	16.13	16.05		17.62	17.96		17.96	
		Current input	A	17.9	17.9		19.6	20.0		20.0
Temp. range of heating	Indoor	D.B.	59~81°F (15~27°C)				59~81°F (15~27°C)			
	Inlet water	°F	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			
Model/Quantity	P04~P96/2~50				P04~P96/2~50					
Sound pressure level (measured in anechoic room)	dB <A>		57.0				58.0			
Refrigerant piping diameter	Liquid pipe	in. (mm)	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			
Set Model			PQHY-P144ZLMU-A1				PQHY-P144ZLMU-A1			
Minimum Circuit Ampacity	A		13		13		16		13	
Maximum Overcurrent Protection	A		20		20		25		20	
Inlet water	Water flow rate	G/h	1,902 + 1,902				1,902 + 1,902			
		G/min (gpm)	31.7 + 31.7				31.7 + 31.7			
		m ³ /h	7.20 + 7.20				7.20 + 7.20			
		L/min	120 + 120				120 + 120			
		cfm	4.2 + 4.2				4.2 + 4.2			
	Pressure drop	psi	6.38		6.38		6.38		6.38	
kPa		44		44		44		44		
Operating volume range	G/h	1,189 + 1,189 ~ 3,054 + 3,054				1,189 + 1,189 ~ 3,054 + 3,054				
	G/min (gpm)	19.8 + 19.8 ~ 50.9 + 50.9				19.8 + 19.8 ~ 50.9 + 50.9				
	m ³ /h	4.5 + 4.5 ~ 11.6 + 11.6				4.5 + 4.5 ~ 11.6 + 11.6				
Compressor	Type x Quantity	Inverter scroll hermetic compressor x 1				Inverter scroll hermetic compressor x 1				
	Starting method	Inverter				Inverter				
	Motor output	kW		9.5		11.0		9.5		
	Case heater	kW		-		-		-		
External finish			Galvanized steel sheets				Galvanized steel sheets			
External dimension H x W x D	in.	57-1/8 x 34-11/16 x 21-11/16		57-1/8 x 34-11/16 x 21-11/16		57-1/8 x 34-11/16 x 21-11/16		57-1/8 x 34-11/16 x 21-11/16		
	mm	1,450 x 880 x 550		1,450 x 880 x 550		1,450 x 880 x 550		1,450 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	Over-heat protection, Over-current protection				Over-heat protection, Over-current protection				
	Compressor	Over-heat protection		Over-heat protection		Over-heat protection		Over-heat protection		
Refrigerant	Type x original charge	R410A x 13 lbs + 4 oz (6.0 kg)		R410A x 13 lbs + 4 oz (6.0 kg)		R410A x 13 lbs + 4 oz (6.0 kg)		R410A x 13 lbs + 4 oz (6.0 kg)		
Net weight	lbs (kg)	505 (229)		505 (229)		505 (229)		505 (229)		
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 Max.	psi	290		290		290		290	
		MPa	2.0		2.0		2.0		2.0	
Pipe between unit and distributor	Liquid pipe	in. (mm)	1/2 (12.7) Brazed		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		1-1/8 (28.58) Brazed	
Optional parts			Heat Source Twinning kit: CMY-Y200CBK2 joint: CMY-Y102SS-G2, CMY-Y102LS-G2, CMY-Y202S-G2, CMY-Y302S-G2 Header: CMY-Y104, 108, 1010C-G				Heat Source Twinning kit: CMY-Y200CBK2 joint: CMY-Y102SS-G2, CMY-Y102LS-G2, CMY-Y202S-G2, CMY-Y302S-G2 Header: CMY-Y104, 108, 1010C-G			

Notes:

*1,*2 Heating and Cooling conditions (Test conditions are based on AHRI 1230)

	Indoor	Water temperature
Cooling	81°F D.B./66°F W.B. (27°C D.B./19°C W.B.)	86°F (30°C)
Heating	68°F D.B. (20°C D.B.)	68°F (20°C)

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

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

*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.

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

*8 Install the supplied insulation material to the unused drain-socket.

*9 When installing insulation material around both water and refrigerant piping, follow the installation manual.

*10 Inlet Water Temperature Range can be as low -5°C (23°F) and Anti-freeze shall be added if inlet water temperature is below 10°C (50°F) as per recommended concentration and system settings. Please consult with your local representative and technical literature for more details.

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

HEAT SOURCE UNIT WY-Series (575V) PQHY-P ZSLMU-A1



► Specifications

Heat Source Model			PQHY-P336ZSLMU-A1				PQHY-P360ZSLMU-A1			
Indoor Model			Non-Ducted		Ducted		Non-Ducted		Ducted	
Power source			3-phase 3-wire 575 V ±10% 60 Hz				3-phase 3-wire 575 V ±10% 60 Hz			
Cooling capacity (Nominal)	*1	BTU/h	336,000				360,000			
		*1 kW	98.5				105.5			
(575)	Power input	kW	26.84				29.43			
		A	29.9				32.8			
(Rated)	BTU/h		320,000				342,000			
		kW	93.8				100.2			
(575)	Power input	kW	24.76		25.85		27.17		27.41	
		A	27.6		28.8		30.3		30.5	
Temp. range of cooling	Indoor	W.B.	59~75°F (15~24°C)				59~75°F (15~24°C)			
	Inlet water	°F	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			
(575)	Power input	kW	20.77				22.85			
		A	23.1				25.4			
(Rated)	BTU/h		361,000				387,000			
		kW	105.8				113.4			
(575)	Power input	kW	19.16		20.05		21.09		21.70	
		A	21.3		22.3		23.5		24.2	
Temp. range of heating	Indoor	D.B.	59~81°F (15~27°C)				59~81°F (15~27°C)			
	Inlet water	°F	50~113°F (10~45°C)				50~113°F (10~45°C)			
Indoor unit connectable			50~130% of heatsource unit capacity				50~130% of heatsource unit capacity			
Model/Quantity			P04~P96/2~50				P04~P96/2~50			
Sound pressure level (measured in anechoic room)			59.0				60.0			
Refrigerant piping diameter	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-P168ZLMU-A1		PQHY-P168ZLMU-A1		PQHY-P192ZLMU-A1		PQHY-P168ZLMU-A1			
Minimum Circuit Ampacity	A		16		16		20			
Maximum Overcurrent Protection	A		25		25		30			
Inlet water	Water flow rate	G/h	1,902 + 1,902				1,902 + 1,902			
		G/min (gpm)	31.7 + 31.7				31.7 + 31.7			
		m³/h	7.20 + 7.20				7.20 + 7.20			
		L/min	120 + 120				120 + 120			
		cfm	4.2 + 4.2				4.2 + 4.2			
		Pressure drop	psi	6.38		6.38		6.38		6.38
	kPa	44		44		44		44		
Operating volume range	G/h	1,189 + 1,189 ~ 3,054 + 3,054				1,189 + 1,189 ~ 3,054 + 3,054				
		19.8 + 19.8 ~ 50.9 + 50.9				19.8 + 19.8 ~ 50.9 + 50.9				
		4.5 + 4.5 ~ 11.6 + 11.6				4.5 + 4.5 ~ 11.6 + 11.6				
Compressor	Type x Quantity	Inverter scroll hermetic compressor x 1				Inverter scroll hermetic compressor x 1				
	Starting method	Inverter				Inverter				
	Motor output	kW		11.0		12.4		11.0		
	Case heater	kW		-		-		-		
External finish			Galvanized steel sheets				Galvanized steel sheets			
External dimension H x W x D	in.	57-1/8 x 34-11/16 x 21-11/16		57-1/8 x 34-11/16 x 21-11/16		57-1/8 x 34-11/16 x 21-11/16		57-1/8 x 34-11/16 x 21-11/16		
	mm	1,450 x 880 x 550		1,450 x 880 x 550		1,450 x 880 x 550		1,450 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	Over-heat protection, Over-current protection				Over-heat protection, Over-current protection				
	Compressor	Over-heat protection		Over-heat protection		Over-heat protection		Over-heat protection		
Refrigerant	Type x original charge	R410A x 13 lbs + 4 oz (6.0 kg)		R410A x 13 lbs + 4 oz (6.0 kg)		R410A x 13 lbs + 4 oz (6.0 kg)		R410A x 13 lbs + 4 oz (6.0 kg)		
Net weight	lbs (kg)	505 (229)		505 (229)		505 (229)		505 (229)		
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	
		Max.	MPa		2.0		2.0		2.0	
Pipe between unit and distributor	Liquid pipe	in. (mm)	5/8 (15.88) Brazed		5/8 (15.88) 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		1-1/8 (28.58) Brazed	
Optional parts			Heat Source Twinning kit: CMY-Y200CBK2 joint: CMY-Y102SS-G2, CMY-Y102LS-G2, CMY-Y202S-G2, CMY-Y302S-G2 Header: CMY-Y104, 108, 1010C-G				Heat Source Twinning kit: CMY-Y200CBK2 joint: CMY-Y102SS-G2, CMY-Y102LS-G2, CMY-Y202S-G2, CMY-Y302S-G2 Header: CMY-Y104, 108, 1010C-G			

Notes:

*1,*2 Heating and Cooling conditions (Test conditions are based on AHRI 1230)

	Indoor	Water temperature
Cooling	81°F D.B./66°F W.B. (27°C D.B./19°C W.B.)	86°F (30°C)
Heating	68°F D.B. (20°C D.B.)	68°F (20°C)

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

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

*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.

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

*8 Install the supplied insulation material to the unused drain-socket.

*9 When installing insulation material around both water and refrigerant piping, follow the installation manual.

*10 Inlet Water Temperature Range can be as low -5°C (23°F) and Anti-freeze shall be added if inlet water temperature is below 10°C (50°F) as per recommended concentration and system settings. Please consult with your local representative and technical literature for more details.

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

HEAT SOURCE UNIT WR2-Series (575V) PQRY-P ZLMU-A1



► Specifications

Heat Source Model		PQRY-P72ZLMU-A1		PQRY-P96ZLMU-A1		PQRY-P120ZLMU-A1		
Indoor Model		Non-Ducted	Ducted	Non-Ducted	Ducted	Non-Ducted	Ducted	
Power source		3-phase 3-wire 575 V ±10% 60 Hz		3-phase 3-wire 575 V ±10% 60 Hz		3-phase 3-wire 575 V ±10% 60 Hz		
Cooling capacity (Nominal)	*1	72,000		96,000		120,000		
	*1	21.1		28.1		35.2		
(575)	Power input	3.61		5.21		7.51		
	Current input	4.0		5.8		8.3		
(Rated)	BTU/h	69,000		92,000		114,000		
	kW	20.2		27.0		33.4		
(575)	Power input	3.34	3.12	4.82	5.19	6.95	7.35	
	Current input	3.7	3.4	5.3	5.7	7.7	8.2	
Temp. range of cooling	Indoor	59~75°F (15~24°C)		59~75°F (15~24°C)		59~75°F (15~24°C)		
	Inlet water	50~113°F (10~45°C)		50~113°F (10~45°C)		50~113°F (10~45°C)		
Heating capacity (Nominal)	*2	80,000		108,000		135,000		
	*2	23.4		31.7		39.6		
(575)	Power input	4.04		5.64		7.09		
	Current input	4.5		6.2		7.9		
(Rated)	BTU/h	76,000		103,000		129,000		
	kW	22.3		30.2		37.8		
(575)	Power input	3.74	3.36	5.21	4.48	6.55	5.92	
	Current input	4.1	3.7	5.8	4.9	7.3	6.6	
Temp. range of heating	Indoor	59~81°F (15~27°C)		59~81°F (15~27°C)		59~81°F (15~27°C)		
	Inlet water	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	P04~P96/1~18		P04~P96/1~24		P04~P96/1~30		
Sound pressure level (measured in anechoic room)	dB <A>	46.0		48.0		54.0		
Refrigerant piping diameter	High pressure	5/8 (15.88) Brazed		3/4 (19.05) Brazed		3/4 (19.05) Brazed		
	Low pressure	3/4 (19.05) Brazed		7/8 (22.2) Brazed		7/8 (22.2) Brazed		
Minimum Circuit Ampacity	A	5		7		11		
Maximum Overcurrent Protection	A	15		15		15		
Inlet water	Water flow rate	G/h	1,522		1,522		1,522	
		G/min (gpm)	25.4		25.4		25.4	
		m³/h	5.76		5.76		5.76	
		L/min	96		96		96	
	Pressure drop	cfm	3.4		3.4		3.4	
		psi	3.48		3.48		3.48	
	Operating volume range	kPa	24		24		24	
		G/h	793 ~ 1,902		793 ~ 1,902		793 ~ 1,902	
	G/min (gpm)	13.2 ~ 31.7		13.2 ~ 31.7		13.2 ~ 31.7		
	m³/h	3.0 ~ 7.2		3.0 ~ 7.2		3.0 ~ 7.2		
Compressor	Type x Quantity	Inverter scroll hermetic compressor x 1		Inverter scroll hermetic compressor x 1		Inverter scroll hermetic compressor x 1		
	Starting method	Inverter		Inverter		Inverter		
	Motor output	4.3		6.0		7.7		
	Case heater	-		-		-		
External finish		Galvanized steel sheets		Galvanized steel sheets		Galvanized steel sheets		
External dimension H x W x D	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	Over-heat protection, Over-current protection		Over-heat protection, Over-current protection		Over-heat protection, Over-current protection		
	Compressor	Over-heat protection		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)		R410A x 11 lbs + 1 oz (5.0 kg)		
Net weight	lbs (kg)	411 (186)		411 (186)		411 (186)		
Heat exchanger		plate type		plate type		plate type		
	Water volume in plate	1.32		1.32		1.32		
	Water pressure	5.0		5.0		5.0		
	Max.	290		290		290		
Optional parts		2.0		2.0		2.0		
		joint: CMY-Y102SS-G2, CMY-Y102LS-G2, CMY-R160-J1 BC controller: CMB-P104, 105, 106, 108, 1010, 1013, 1016NU-G1 Main BC controller: CMB-P108, 1010, 1013, 1016NU-GA1, 108, 1010, 1016NU-HA1 Sub BC controller: CMB-P104, 108NU-GB1, CMB-P1016NU-HB1		joint: CMY-Y102SS-G2, CMY-Y102LS-G2, CMY-R160-J1 BC controller: CMB-P104, 105, 106, 108, 1010, 1013, 1016NU-G1 Main BC controller: CMB-P108, 1010, 1013, 1016NU-GA1, 108, 1010, 1016NU-HA1 Sub BC controller: CMB-P104, 108NU-GB1, CMB-P1016NU-HB1		joint: CMY-Y102SS-G2, CMY-Y102LS-G2, CMY-R160-J1 BC controller: CMB-P104, 105, 106, 108, 1010, 1013, 1016NU-G1 Main BC controller: CMB-P108, 1010, 1013, 1016NU-GA1, 108, 1010, 1016NU-HA1 Sub BC controller: CMB-P104, 108NU-GB1, CMB-P1016NU-HB1		

Notes:

*1,*2 Heating and Cooling conditions (Test conditions are based on AHRI 1230)

	Indoor	Water temperature
Cooling	81°F D.B./66°F W.B. (27°C D.B./19°C W.B.)	86°F (30°C)
Heating	68°F D.B. (20°C D.B.)	68°F (20°C)

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

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

*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.

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

*8 Install the supplied insulation material to the unused drain-socket.

*9 When installing insulation material around both water and refrigerant piping, follow the installation manual.

*10 Inlet Water Temperature Range can be as low -5°C (23°F) and Anti-freeze shall be added if inlet water temperature is below 10°C (50°F) as per recommended concentration and system settings. Please consult with your local representative and technical literature for more details.

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

HEAT SOURCE UNIT WR2-Series (575V) PQRY-P ZLMU-A1



► Specifications

Heat Source Model		PQRY-P144ZLMU-A1		PQRY-P168ZLMU-A1		PQRY-P192ZLMU-A1		
Indoor Model		Non-Ducted	Ducted	Non-Ducted	Ducted	Non-Ducted	Ducted	
Power source		3-phase 3-wire 575 V ±10% 60 Hz		3-phase 3-wire 575 V ±10% 60 Hz		3-phase 3-wire 575 V ±10% 60 Hz		
Cooling capacity (Nominal)	*1	144,000		168,000		192,000		
	*1	42.2		49.2		56.3		
(575)	Power input	8.78		12.05		15.05		
	Current input	9.7		13.4		16.7		
(Rated)	BTU/h	137,000		161,000		183,000		
	kW	40.2		47.2		53.6		
(575)	Power input	8.07	9.98	11.10	11.88	13.87	14.19	
	Current input	9.0	11.1	12.3	13.2	15.4	15.8	
Temp. range of cooling	Indoor	59~75°F (15~24°C)		59~75°F (15~24°C)		59~75°F (15~24°C)		
	Inlet water	50~113°F (10~45°C)		50~113°F (10~45°C)		50~113°F (10~45°C)		
Heating capacity (Nominal)	*2	160,000		188,000		215,000		
	*2	46.9		55.1		63.0		
(575)	Power input	8.11		9.86		11.90		
	Current input	9.0		11.0		13.2		
(Rated)	BTU/h	152,000		179,000		205,000		
	kW	44.5		52.5		60.1		
(575)	Power input	7.47	7.90	9.09	9.72	10.97	11.56	
	Current input	8.3	8.8	10.1	10.8	12.2	12.8	
Temp. range of heating	Indoor	59~81°F (15~27°C)		59~81°F (15~27°C)		59~81°F (15~27°C)		
	Inlet water	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	P04~P96/1~36		P04~P96/1~42		P04~P96/1~48		
Sound pressure level (measured in anechoic room)	dB <A>	54.0		56.0		58.0		
Refrigerant piping diameter	High pressure	7/8 (22.2) Brazed		7/8 (22.2) Brazed		7/8 (22.2) Brazed		
	Low pressure	1-1/8 (28.58) Brazed		1-1/8 (28.58) Brazed		1-1/8 (28.58) Brazed		
Minimum Circuit Ampacity	A	13		16		20		
Maximum Overcurrent Protection	A	20		25		30		
Inlet water	Water flow rate	G/h	1,902		1,902		1,902	
		G/min (gpm)	31.7		31.7		31.7	
		m³/h	7.20		7.20		7.20	
		L/min	120		120		120	
	Pressure drop	cfm	4.2		4.2		4.2	
		psi	6.38		6.38		6.38	
	Operating volume range	kPa	44		44		44	
G/h		1,189 ~ 3,054		1,189 ~ 3,054		1,189 ~ 3,054		
	G/min (gpm)	19.8 ~ 50.9		19.8 ~ 50.9		19.8 ~ 50.9		
	m³/h	4.5 ~ 11.6		4.5 ~ 11.6		4.5 ~ 11.6		
Compressor	Type x Quantity	Inverter scroll hermetic compressor x 1		Inverter scroll hermetic compressor x 1		Inverter scroll hermetic compressor x 1		
	Starting method	Inverter		Inverter		Inverter		
	Motor output	9.5		11.0		12.4		
	Case heater	-		-		-		
External finish		Galvanized steel sheets		Galvanized steel sheets		Galvanized steel sheets		
External dimension H x W x D	in.	57-1/8 x 34-11/16 x 21-11/16		57-1/8 x 34-11/16 x 21-11/16		57-1/8 x 34-11/16 x 21-11/16		
	mm	1,450 x 880 x 550		1,450 x 880 x 550		1,450 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	Over-heat protection, Over-current protection		Over-heat protection, Over-current protection		Over-heat protection, Over-current protection		
	Compressor	Over-heat protection		Over-heat protection		Over-heat protection		
Refrigerant	Type x original charge	R410A x 13 lbs + 4 oz (6.0 kg)		R410A x 13 lbs + 4 oz (6.0 kg)		R410A x 13 lbs + 4 oz (6.0 kg)		
Net weight	lbs (kg)	512 (232)		512 (232)		512 (232)		
Heat exchanger			plate type		plate type		plate type	
	Water volume in plate	G	1.32		1.32		1.32	
	Water pressure	l	5.0		5.0		5.0	
	Max.	psi	290		290		290	
Optional parts			2.0		2.0		2.0	
			MPa		MPa		MPa	
		joint: CMY-Y102SS-G2, CMY-Y102LS-G2, CMY-Y202S-G2, CMY-R160-J1		joint: CMY-Y102SS-G2, CMY-Y102LS-G2, CMY-Y202S-G2, CMY-Y302S-G2, CMY-R160-J1		joint: CMY-Y102SS-G2, CMY-Y102LS-G2, CMY-Y202S-G2, CMY-Y302S-G2, CMY-R160-J1		
		Main BC controller: CMB-P108, 1010, 1013, 1016NU-GA1, 108, 1010, 1016NU-HA1		Main BC controller: CMB-P108, 1010, 1013, 1016NU-GA1, 108, 1010, 1016NU-HA1		Main BC controller: CMB-P108, 1010, 1013, 1016NU-GA1, 108, 1010, 1016NU-HA1		
		Sub BC controller: CMB-P104, 108NU-GB1, CMB-P1016NU-HB1		Sub BC controller: CMB-P104, 108NU-GB1, CMB-P1016NU-HB1		Sub BC controller: CMB-P104, 108NU-GB1, CMB-P1016NU-HB1		

Notes:

*1,*2 Heating and Cooling conditions (Test conditions are based on AHRI 1230)

	Indoor	Water temperature
Cooling	81°F D.B./66°F W.B. (27°C D.B./19°C W.B.)	86°F (30°C)
Heating	68°F D.B. (20°C D.B.)	68°F (20°C)

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

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

*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.

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

*8 Install the supplied insulation material to the unused drain-socket.

*9 When installing insulation material around both water and refrigerant piping, follow the installation manual.

*10 Inlet Water Temperature Range can be as low -5°C (23°F) and Anti-freeze shall be added if inlet water temperature is below 10°C (50°F) as per recommended concentration and system settings. Please consult with your local representative and technical literature for more details.

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

HEAT SOURCE UNIT WR2-Series (575V) PQRY-P ZSLMU-A1



► Specifications

Heat Source Model		PQRY-P144ZSLMU-A1		PQRY-P168ZSLMU-A1		
Indoor Model		Non-Ducted	Ducted	Non-Ducted	Ducted	
Power source		3-phase 3-wire 575 V ±10% 60 Hz		3-phase 3-wire 575 V ±10% 60 Hz		
Cooling capacity (Nominal)	*1 BTU/h	144,000		168,000		
	*1 kW	42.2		49.2		
(575)	Power input kW	7.11		9.33		
	Current input A	7.9		10.4		
(Rated)	BTU/h	137,000		161,000		
	kW	40.2		47.2		
(575)	Power input kW	6.53	7.72	8.58	9.22	
	Current input A	7.2	8.6	9.5	10.2	
Temp. range of cooling	Indoor W.B.	59~75°F (15~24°C)		59~75°F (15~24°C)		
	Inlet water °F	50~113°F (10~45°C)		50~113°F (10~45°C)		
Heating capacity (Nominal)	*2 BTU/h	160,000		188,000		
	*2 kW	46.9		55.1		
(575)	Power input kW	7.45		9.34		
	Current input A	8.3		10.4		
(Rated)	BTU/h	152,000		179,000		
	kW	44.5		52.5		
(575)	Power input kW	6.86	7.22	8.60	8.03	
	Current input A	7.6	8.0	9.5	8.9	
Temp. range of heating	Indoor D.B.	59~81°F (15~27°C)		59~81°F (15~27°C)		
	Inlet water °F	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		P04~P96/1~36		P04~P96/1~42		
Sound pressure level (measured in anechoic room)	dB <A>	49.0		50.0		
Refrigerant piping diameter	High pressure in. (mm)	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		
Set Model						
Model		PQRY-P72ZLMU-A1	PQRY-P72ZLMU-A1	PQRY-P96ZLMU-A1	PQRY-P72ZLMU-A1	
Minimum Circuit Ampacity	A	5	5	7	5	
Maximum Overcurrent Protection	A	15	15	15	15	
Inlet water	Water flow rate	G/h	1,522 + 1,522		1,522 + 1,522	
		G/min (gpm)	25.4 + 25.4		25.4 + 25.4	
		m ³ /h	5.76 + 5.76		5.76 + 5.76	
		L/min	96 + 96		96 + 96	
		cfm	3.4 + 3.4		3.4 + 3.4	
	Pressure drop	psi	3.48	3.48	3.48	3.48
	kPa	24	24	24	24	
Operating volume range	G/h	793 + 793 ~ 1,902 + 1,902		793 + 793 ~ 1,902 + 1,902		
	G/min (gpm)	13.2 + 13.2 ~ 31.7 + 31.7		13.2 + 13.2 ~ 31.7 + 31.7		
	m ³ /h	3.0 + 3.0 ~ 7.2 + 7.2		3.0 + 3.0 ~ 7.2 + 7.2		
Compressor	Type x Quantity	Inverter scroll hermetic compressor x 1		Inverter scroll hermetic compressor x 1		
	Starting method	Inverter		Inverter		
	Motor output	4.3		6.0		
	Case heater	kW		kW		
External finish		Galvanized steel sheets		Galvanized steel sheets		
External dimension H x W x D	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	Over-heat protection, Over-current protection		Over-heat protection, Over-current protection		
	Compressor	Over-heat protection, Over-heat protection		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)	R410A x 11 lbs + 1 oz (5.0 kg)	R410A x 11 lbs + 1 oz (5.0 kg)	
Net weight	lbs (kg)	411 (186)	411 (186)	411 (186)	411 (186)	
Heat exchanger	Water volume	G	1.32	1.32	1.32	
		l	5.0	5.0	5.0	
	Water pressure	psi	290	290	290	290
		MPa	2.0	2.0	2.0	2.0
Pipe between unit and distributor	High pressure in. (mm)	5/8 (15.88) Brazed	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	
Optional parts		Heat Source Twinning kit: CMY-Q100CBK2 joint: CMY-Y102SS-G2, CMY-Y102LS-G2, CMY-Y202S-G2, CMY-R160-J1 Main BC controller: CMB-P108, 1010, 1013, 1016NU-GA1, 108, 1010, 1016NU-HA1 Sub BC controller: CMB-P104, 108NU-GB1, CMB-P1016NU-HB1		Heat Source Twinning kit: CMY-Q100CBK2 joint: CMY-Y102SS-G2, CMY-Y102LS-G2, CMY-Y202S-G2, CMY-Y302S-G2, CMY-R160-J1 Main BC controller: CMB-P108, 1010, 1013, 1016NU-GA1, 108, 1010, 1016NU-HA1 Sub BC controller: CMB-P104, 108NU-GB1, CMB-P1016NU-HB1		

Notes:

*1,*2 Heating and Cooling conditions (Test conditions are based on AHRI 1230)

	Indoor	Water temperature
Cooling	81°F D.B./66°F W.B. (27°C D.B./19°C W.B.)	86°F (30°C)
Heating	68°F D.B. (20°C D.B.)	68°F (20°C)

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

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

*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.

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

*8 The Heat Source twinning kit (low pressure) should be connected to the low pressure side of the heat source unit.

*9 Install the supplied insulation material to the unused drain-socket.

*10 When installing insulation material around both water and refrigerant piping, follow the installation manual.

*11 Inlet Water Temperature Range can be as low -5°C (23°F) and Anti-freeze shall be added if inlet water temperature is below 10°C (50°F) as per recommended concentration and system settings. Please consult with your local representative and technical literature for more details.

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

HEAT SOURCE UNIT WR2-Series (575V) PQRY-P ZSLMU-A1



► Specifications

Heat Source Model		PQRY-P192ZSLMU-A1		PQRY-P216ZSLMU-A1		
Indoor Model		Non-Ducted	Ducted	Non-Ducted	Ducted	
Power source		3-phase 3-wire 575 V ±10% 60 Hz		3-phase 3-wire 575 V ±10% 60 Hz		
Cooling capacity (Nominal)	*1	192,000		216,000		
	*1	56.3		63.3		
(575)	Power input	11.30		14.03		
	Current input	12.6		15.6		
(Rated)	BTU/h	183,000		206,000		
	kW	53.6		60.4		
(575)	Power input	10.40	10.98	12.93	13.24	
	Current input	11.6	12.2	14.4	14.7	
Temp. range of cooling	Indoor	59~75°F (15~24°C)		59~75°F (15~24°C)		
	Inlet water	50~113°F (10~45°C)		50~113°F (10~45°C)		
Heating capacity (Nominal)	*2	215,000		243,000		
	*2	63.0		71.2		
(575)	Power input	11.02		12.88		
	Current input	12.2		14.3		
(Rated)	BTU/h	205,000		232,000		
	kW	60.1		68.0		
(575)	Power input	10.16	8.90	11.88	10.35	
	Current input	11.3	9.9	13.2	11.5	
Temp. range of heating	Indoor	59~81°F (15~27°C)		59~81°F (15~27°C)		
	Inlet water	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		P04~P96/1~48		P04~P96/2~50 (Connectable branch pipe number is max. 48.)		
Sound pressure level (measured in anechoic room)	dB <A>	51.0		55.0		
Refrigerant piping diameter	High pressure	7/8 (22.2) Brazed		7/8 (22.2) Brazed (1-1/8 (28.58) Brazed for the part that exceeds 65 m)		
	Low pressure	1-1/8 (28.58) Brazed		1-1/8 (28.58) Brazed		
Set Model						
Model		PQRY-P96ZLMU-A1	PQRY-P96ZLMU-A1	PQRY-P120ZLMU-A1	PQRY-P96ZLMU-A1	
Minimum Circuit Ampacity	A	7	7	11	7	
Maximum Overcurrent Protection	A	15	15	15	15	
Inlet water	Water flow rate	G/h	1,522 + 1,522		1,522 + 1,522	
		G/min (gpm)	25.4 + 25.4		25.4 + 25.4	
		m ³ /h	5.76 + 5.76		5.76 + 5.76	
		L/min	96 + 96		96 + 96	
		cfm	3.4 + 3.4		3.4 + 3.4	
	Pressure drop	psi	3.48	3.48	3.48	3.48
	kPa	24	24	24	24	
Operating volume range	G/h	793 + 793 ~ 1,902 + 1,902		793 + 793 ~ 1,902 + 1,902		
	G/min (gpm)	13.2 + 13.2 ~ 31.7 + 31.7		13.2 + 13.2 ~ 31.7 + 31.7		
	m ³ /h	3.0 + 3.0 ~ 7.2 + 7.2		3.0 + 3.0 ~ 7.2 + 7.2		
Compressor	Type x Quantity	Inverter scroll hermetic compressor x 1		Inverter scroll hermetic compressor x 1		
	Starting method	Inverter		Inverter		
	Motor output	6.0		7.7		
	Case heater	kW		6.0		
External finish						
		Galvanized steel sheets		Galvanized steel sheets		
External dimension H x W x D	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	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)	R410A x 11 lbs + 1 oz (5.0 kg)	R410A x 11 lbs + 1 oz (5.0 kg)	
Net weight	lbs (kg)	411 (186)	411 (186)	411 (186)	411 (186)	
Heat exchanger	plate type		plate type	plate type	plate type	
	Water volume in plate	G	1.32	1.32	1.32	
		l	5.0	5.0	5.0	
	Water pressure	psi	290	290	290	
	MPa	2.0	2.0	2.0		
Pipe between unit and distributor	High pressure	3/4 (19.05) Brazed		3/4 (19.05) Brazed		
	Low pressure	-		7/8 (22.2) Brazed		
Optional parts						
		Heat Source Twinning kit: CMY-Q100CBK2		Heat Source Twinning kit: CMY-Q100CBK2		
		joint: CMY-Y102SS-G2, CMY-Y102LS-G2, CMY-Y202S-G2, CMY-Y302S-G2, CMY-R160-J1		joint: CMY-Y102SS-G2, CMY-Y102LS-G2, CMY-Y202S-G2, CMY-Y302S-G2, CMY-R160-J1		
		Main BC controller: CMB-P108, 1010, 1013, 1016NU-GA1, 108, 1010, 1016NU-HA1		Main BC controller: CMB-P108, 1010, 1013, 1016NU-GA1, 108, 1010, 1016NU-HA1		
		Sub BC controller: CMB-P104, 108NU-GB1, CMB-P1016NU-HB1		Sub BC controller: CMB-P104, 108NU-GB1, CMB-P1016NU-HB1		

Notes:

*1,*2 Heating and Cooling conditions (Test conditions are based on AHRI 1230)

	Indoor	Water temperature
Cooling	81°F D.B./66°F W.B. (27°C D.B./19°C W.B.)	86°F (30°C)
Heating	68°F D.B. (20°C D.B.)	68°F (20°C)

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

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

*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.

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

*8 The Heat Source twinning kit (low pressure) should be connected to the low pressure side of the heat source unit.

*9 Install the supplied insulation material to the unused drain-socket.

*10 When installing insulation material around both water and refrigerant piping, follow the installation manual.

*11 When the high pressure piping length is 65 m or less, use 7/8 (22.2) pipe. When the high pressure piping length exceeds 65 m, use 1-1/8 (28.58) pipe until 65 m,

use 1-1/8 (28.58) pipe for the part that exceeds 65 m.

*12 Inlet Water Temperature Range can be as low -5°C (23°F) and Anti-freeze shall be added if inlet water temperature is below 10°C (50°F) as per recommended concentration and system settings. Please consult with your local representative and technical literature for more details.

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

HEAT SOURCE UNIT WR2-Series (575V) PQRY-P ZSLMU-A1



► Specifications

Heat Source Model		PQRY-P240ZSLMU-A1				PQRY-P288ZSLMU-A1				
Indoor Model		Non-Ducted		Ducted		Non-Ducted		Ducted		
Power source		3-phase 3-wire 575 V ±10% 60 Hz				3-phase 3-wire 575 V ±10% 60 Hz				
Cooling capacity (Nominal)	*1	BTU/h	240,000		288,000					
	*1	kW	70.3		84.4					
(575)	Power input	kW	16.89		20.42					
	Current input	A	18.8		22.7					
(Rated)		BTU/h	228,000		275,000					
		kW	66.8		80.6					
(575)	Power input	kW	15.57	16.15	18.82	21.43				
	Current input	A	17.3	18.0	20.9	23.9				
Temp. range of cooling	Indoor	W.B.	59~75°F (15~24°C)				59~75°F (15~24°C)			
	Inlet water	°F	50~113°F (10~45°C)				50~113°F (10~45°C)			
Heating capacity (Nominal)	*2	BTU/h	270,000		323,000					
	*2	kW	79.1		94.7					
(575)	Power input	kW	14.58		17.50					
	Current input	A	16.2		19.5					
(Rated)		BTU/h	258,000		308,000					
		kW	75.6		90.3					
(575)	Power input	kW	13.45	12.02	16.13	16.05				
	Current input	A	15.0	13.4	17.9	17.9				
Temp. range of heating	Indoor	D.B.	59~81°F (15~27°C)				59~81°F (15~27°C)			
	Inlet water	°F	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	P04~P96/2~50 (Connectable branch pipe number is max. 48.)				P04~P96/2~50 (Connectable branch pipe number is max. 48.)				
Sound pressure level (measured in anechoic room)		dB <A>	57.0				57.0			
Refrigerant piping diameter	High pressure	in. (mm)	7/8 (22.2) Brazed (1-1/8 (28.58) Brazed for the part that exceeds 65 m)				1-1/8 (28.58) Brazed			
	Low pressure	in. (mm)	1-3/8 (34.93) Brazed				1-3/8 (34.93) Brazed			
Set Model										
Model	PQRY-P120ZLMU-A1		PQRY-P120ZLMU-A1		PQRY-P144ZLMU-A1		PQRY-P144ZLMU-A1			
Minimum Circuit Ampacity	A	11	11	13	13					
Maximum Overcurrent Protection	A	15	15	20	20					
Inlet water	Water flow rate	G/h	1,522 + 1,522		1,902 + 1,902					
		G/min (gpm)	25.4 + 25.4		31.7 + 31.7					
		m³/h	5.76 + 5.76		7.20 + 7.20					
		L/min	96 + 96		120 + 120					
		cfm	3.4 + 3.4		4.2 + 4.2					
Pressure drop	psi	3.48	3.48	6.38	6.38					
	kPa	24	24	44	44					
Operating volume range	G/h	793 + 793 ~ 1,902 + 1,902				1,189 + 1,189 ~ 3,054 + 3,054				
	G/min (gpm)	13.2 + 13.2 ~ 31.7 + 31.7				19.8 + 19.8 ~ 50.9 + 50.9				
	m³/h	3.0 + 3.0 ~ 7.2 + 7.2				4.5 + 4.5 ~ 11.6 + 11.6				
Compressor	Type x Quantity	Inverter scroll hermetic compressor x 1				Inverter scroll hermetic compressor x 1				
	Starting method	Inverter		Inverter		Inverter		Inverter		
	Motor output	7.7		7.7		9.5		9.5		
	Case heater	-		-		-		-		
External finish										
Galvanized steel sheets										
External dimension H x W x D	in.	43-5/16 x 34-11/16 x 21-11/16		43-5/16 x 34-11/16 x 21-11/16		57-1/8 x 34-11/16 x 21-11/16		57-1/8 x 34-11/16 x 21-11/16		
	mm	1,100 x 880 x 550		1,100 x 880 x 550		1,450 x 880 x 550		1,450 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	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)		R410A x 13 lbs + 4 oz (6.0 kg)		R410A x 13 lbs + 4 oz (6.0 kg)		
Net weight	lbs (kg)	411 (186)		411 (186)		512 (232)		512 (232)		
Heat exchanger	plate type		plate type		plate type		plate type			
	Water volume in plate	G	1.32	1.32	1.32	1.32				
		l	5.0	5.0	5.0	5.0				
	Water pressure Max.	psi	290	290	290	290				
Pipe between unit and distributor	High pressure	in. (mm)	3/4 (19.05) Brazed		3/4 (19.05) Brazed		7/8 (22.2) Brazed		7/8 (22.2) Brazed	
	Low pressure	in. (mm)	-		7/8 (22.2) Brazed		-		1-1/8 (28.58) Brazed	
Optional parts										
Heat Source Twinning kit: CMY-Q100CBK2 joint: CMY-Y102SS-G2, CMY-Y102LS-G2, CMY-Y202S-G2, CMY-Y302S-G2, CMY-R160-J1 Main BC controller: CMB-P108, 1010, 1013, 1016NU-GA1, 108, 1010, 1016NU-HA1 Sub BC controller: CMB-P104, 108NU-GB1, CMB-P1016NU-HB1										
Heat Source Twinning kit: CMY-Q200CBK joint: CMY-Y102SS-G2, CMY-Y102LS-G2, CMY-Y202S-G2, CMY-Y302S-G2, CMY-R160-J1 Main BC controller: CMB-P108, 1010, 1016NU-HA1 Sub BC controller: CMB-P104, 108NU-GB1, CMB-P1016NU-HB1										

Notes:

*1,*2 Heating and Cooling conditions (Test conditions are based on AHRI 1230)

	Indoor	Water temperature
Cooling	81°F D.B./66°F W.B. (27°C D.B./19°C W.B.)	86°F (30°C)
Heating	68°F D.B. (20°C D.B.)	68°F (20°C)

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

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

*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.

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

*8 The Heat Source Twinning kit (low pressure) should be connected to the low pressure side of the heat source unit.

*9 Install the supplied insulation material to the unused drain-socket.

*10 When installing insulation material around both water and refrigerant piping, follow the installation manual.

*11 Inlet Water Temperature Range can be as low -5°C (23°F) and Anti-freeze shall be added if inlet water temperature is below 10°C (50°F) as per recommended concentration and system settings. Please consult with your local representative and technical literature for more details.

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

HEAT SOURCE UNIT WR2-Series (575V) PQRY-P ZSLMU-A1



► Specifications

Heat Source Model		PQRY-P312ZSLMU-A1	
Indoor Model		Non-Ducted	Ducted
Power source		3-phase 3-wire 575 V ±10% 60 Hz	
Cooling capacity (Nominal)	*1	BTU/h	
	*1	kW	
(575)	Power input	23.41	
	Current input	26.1	
(Rated)		BTU/h	
		kW	
(575)	Power input	21.59	23.67
	Current input	24.0	26.4
Temp. range of cooling	Indoor	W.B.	
	Inlet water	°F	
Heating capacity (Nominal)	*2	BTU/h	
	*2	kW	
(575)	Power input	19.11	
	Current input	21.3	
(Rated)		BTU/h	
		kW	
(575)	Power input	17.62	17.96
	Current input	19.6	20.0
Temp. range of heating	Indoor	D.B.	
	Inlet water	°F	
Indoor unit connectable	Total capacity	50~150% of heat source unit capacity	
	Model/Quantity	P04~P96/2~50 (Connectable branch pipe number is max. 48.)	
Sound pressure level (measured in anechoic room)		dB <A>	
Refrigerant piping diameter	High pressure	in. (mm)	
	Low pressure	in. (mm)	
Set Model			
Model		PQRY-P168ZLMU-A1	PQRY-P144ZLMU-A1
Minimum Circuit Ampacity	A	16	13
Maximum Overcurrent Protection	A	25	20
Inlet water	Water flow rate	G/h	
		1,902 + 1,902	
		G/min (gpm)	
		31.7 + 31.7	
		m ³ /h	
	7.20 + 7.20		
L/min		120 + 120	
cfm		4.2 + 4.2	
Pressure drop	psi	6.38	6.38
	kPa	44	44
Operating volume range	G/h	1,189 + 1,189 ~ 3,054 + 3,054	
	G/min (gpm)	19.8 + 19.8 ~ 50.9 + 50.9	
	m ³ /h	4.5 + 4.5 ~ 11.6 + 11.6	
Compressor	Type x Quantity	Inverter scroll hermetic compressor x 1	
	Starting method	Inverter	Inverter
	Motor output	kW	9.5
	Case heater	kW	-
External finish			
Galvanized steel sheets			
External dimension H x W x D	in.	57-1/8 x 34-11/16 x 21-11/16	57-1/8 x 34-11/16 x 21-11/16
	mm	1,450 x 880 x 550	1,450 x 880 x 550
Protection devices	High pressure protection	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)	
	Inverter circuit	Over-heat protection, Over-current protection	
	Compressor	Over-heat protection	
Refrigerant	Type x original charge	R410A x 13 lbs + 4 oz (6.0 kg)	R410A x 13 lbs + 4 oz (6.0 kg)
Net weight	lbs (kg)	512 (232)	512 (232)
Heat exchanger	plate type		plate type
	Water volume in plate	G	1.32
	Water pressure	l	5.0
	Max.	psi	290
Pipe between unit and distributor	High pressure	in. (mm)	
	Low pressure	in. (mm)	
Optional parts		Heat Source Twinning kit: CMY-Q200CBK joint: CMY-Y102SS-G2, CMY-Y102LS-G2, CMY-Y202S-G2, CMY-Y302S-G2, CMY-R160-J1 Main BC controller: CMB-P108, 1010, 1016NU-HA1 Sub BC controller: CMB-P104, 108NU-GB1, CMB-P1016NU-HB1	

Notes:

*1,*2 Heating and Cooling conditions (Test conditions are based on AHRI 1230)

	Indoor	Water temperature
Cooling	81°F D.B./66°F W.B. (27°C D.B./19°C W.B.)	86°F (30°C)
Heating	68°F D.B. (20°C D.B.)	68°F (20°C)

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

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

*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.

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

*8 The Heat Source Twinning kit (low pressure) should be connected to the low pressure side of the heat source unit.

*9 Install the supplied insulation material to the unused drain-socket.

*10 When installing insulation material around both water and refrigerant piping, follow the installation manual.

*11 Inlet Water Temperature Range can be as low -5°C (23°F) and Anti-freeze shall be added if inlet water temperature is below 10°C (50°F)

as per recommended concentration and system settings. Please consult with your local representative and technical literature for more details.

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

HEAT SOURCE UNIT WR2-Series (575V) PQRY-P ZSLMU-A1



► Specifications

Heat Source Model		PQRY-P336ZSLMU-A1	
Indoor Model		Non-Ducted	Ducted
Power source		3-phase 3-wire 575 V ±10% 60 Hz	
Cooling capacity (Nominal)	*1	BTU/h	
	*1	kW	
(575)	Power input	kW	
	Current input	A	
(Rated)		BTU/h	
		kW	
(575)	Power input	24.76	25.85
	Current input	27.6	28.8
Temp. range of cooling	Indoor	W.B.	
	Inlet water	°F	
		59~75°F (15~24°C)	
		50~113°F (10~45°C)	
Heating capacity (Nominal)	*2	BTU/h	
	*2	kW	
(575)	Power input	kW	
	Current input	A	
(Rated)		BTU/h	
		kW	
(575)	Power input	19.16	20.05
	Current input	21.3	22.3
Temp. range of heating	Indoor	D.B.	
	Inlet water	°F	
		59~81°F (15~27°C)	
		50~113°F (10~45°C)	
Indoor unit connectable	Total capacity	50~150% of heat source unit capacity	
	Model/Quantity	P04~P96/2~50 (Connectable branch pipe number is max. 48.)	
Sound pressure level (measured in anechoic room)		dB <A>	
		59.0	
Refrigerant piping diameter	High pressure	in. (mm)	
	Low pressure	in. (mm)	
		1-1/8 (28.58) Brazed	
		1-5/8 (41.28) Brazed	
Set Model			
Model		PQRY-P168ZLMU-A1	PQRY-P168ZLMU-A1
Minimum Circuit Ampacity		A	16
Maximum Overcurrent Protection		A	25
Inlet water	Water flow rate	G/h	1,902 + 1,902
		G/min (gpm)	31.7 + 31.7
		m ³ /h	7.20 + 7.20
		L/min	120 + 120
		cfm	4.2 + 4.2
	Pressure drop	psi	6.38
	kPa	44	
Operating volume range	G/h	1,189 + 1,189 ~ 3,054 + 3,054	
	G/min (gpm)	19.8 + 19.8 ~ 50.9 + 50.9	
	m ³ /h	4.5 + 4.5 ~ 11.6 + 11.6	
Compressor	Type x Quantity	Inverter scroll hermetic compressor x 1	
	Starting method	Inverter	Inverter
	Motor output	kW	11.0
	Case heater	kW	-
External finish			
Galvanized steel sheets			
External dimension H x W x D		in.	57-1/8 x 34-11/16 x 21-11/16
		mm	1,450 x 880 x 550
Protection devices	High pressure protection	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)	
	Inverter circuit	Over-heat protection, Over-current protection	
	Compressor	Over-heat protection	
Refrigerant	Type x original charge	R410A x 13 lbs + 4 oz (6.0 kg)	R410A x 13 lbs + 4 oz (6.0 kg)
Net weight	lbs (kg)	512 (232)	512 (232)
Heat exchanger			plate type
	Water volume in plate	G	1.32
		l	5.0
	Water pressure Max.	psi	290
MPa		2.0	
Pipe between unit and distributor	High pressure	7/8 (22.2) Brazed	
	Low pressure	-	
Optional parts	Heat Source Twinning kit: CMY-Q200CBK joint: CMY-Y102SS-G2, CMY-Y102LS-G2, CMY-Y202S-G2, CMY-Y302S-G2, CMY-R160-J1 Main BC controller: CMB-P108, 1010, 1016NU-HA1 Sub BC controller: CMB-P104, 108NU-GB1, CMB-P1016NU-HB1		

Notes:

*1,*2 Heating and Cooling conditions (Test conditions are based on AHRI 1230)

	Indoor	Water temperature
Cooling	81°F D.B./66°F W.B. (27°C D.B./19°C W.B.)	86°F (30°C)
Heating	68°F D.B. (20°C D.B.)	68°F (20°C)

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

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*8 The Heat Source Twinning kit (low pressure) should be connected to the low pressure side of the heat source unit.

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*10 When installing insulation material around both water and refrigerant piping, follow the installation manual.

*11 Inlet Water Temperature Range can be as low -5°C (23°F) and Anti-freeze shall be added if inlet water temperature is below 10°C (50°F) as per recommended concentration and system settings. Please consult with your local representative and technical literature for more details.

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