Model			PQHY-P200YLM-A1		
Power source			3-phase 4-wire 380-400-415 V 50/60 Hz		
Cooling capacity	*1	kW	22.4		
Nominal)	*1		76,400		
nominal)		kW	3.71		
	Power input				
	Current input	A	6.2-5.9-5.7		
	EER	kW/kW	6.03		
Temp. range of	Indoor	W.B.	15.0~24.0°C (59~75°F)		
cooling	Inlet water	°C	10.0~45.0°C (50~113°F)		
Heating capacity	*2	kW	25.0		
Nominal)	*2	BTU/h	85,300		
	Power input	kW	3.97		
	Current input	A	6.7-6.3-6.1		
	COP	kW/kW	6.29		
Temp. range of	Indoor	D.B.	15.0~27.0°C (59~81°F)		
heating	Inlet water	°C	10.0~45.0°C (50~113°F)		
Indoor unit		Ŭ			
	Total capacity		50~130% of heat source unit capacity		
connectable	Model/Quantity		P10~P250, M20~M140/1~20		
	neasured in anechoic room)	dB <a>	46		
	sured in anechoic room)	dB <a>	60		
Refrigerant	Liquid pipe	mm (in.)	9.52 (3/8) Brazed		
piping diameter	Gas pipe	mm (in.)	19.05 (3/4) Brazed		
Circulating water	Water flow rate	m ³ /h	5.76		
		L/min	96		
		cfm	3.4		
	Pressure drop	kPa	24		
	Operating volume range	m ³ /h	3.0 ~ 7.2		
Compressor	Туре	,			
Compressor			Inverter scroll hermetic compressor		
	Starting method		Inverter		
	Motor output	kW	4.8		
	Case heater	kW	-		
	Lubricant		MEL32		
External finish			Galvanized steel sheets		
External dimension H x	W x D	mm	1,100 x 880 x 550		
		in.	43-5/16 x 34-11/16 x 21-11/16		
Protection devices	High pressure protection		High pressure sensor, High pressure switch at 4.15 MPa (601 p	osi)	
	Inverter circuit (COMP.)		Over-heat protection, Over-current protection		
	Compressor		Over-heat protection		
Refrigerant	Type x original charge		R410A x 5.0 kg (12 lbs)		
·····g-····	Control		LEV and HIC circuit		
Naturaisht	Control	ka (lha)			
Net weight		kg (lbs)	170 (375)		
Heat exchanger		Т.	plate type		
	Water volume in plate	I	5.0		
	Water pressure Max.	MPa	2.0		
HIC circuit (HIC: Heat In	ter-Changer)		Copper pipe, tube-in-tube structure		
Drawing	External		KL94C195		
	Wiring		KE94G420		
Standard attachment	Document		Installation Manual		
	Accessory		Refrigerant conn. pipe		
Optional parts			Joint: CMY-Y102SS/LS-G2		
.,			Header: CMY-Y104, 108, 1010-G		
Remarks			Details on foundation work, duct work, insulation work, electrical wiring, power source switch, a to the Installation Manual. Due to continuing improvement, above specifications may be subject to change without notice The ambient temperature of the heat source unit needs to be kept below 40°C D.B. The ambient relative humidity of the heat source unit needs to be kept below 80%. The heat source unit should not be installed at outdoor. Be sure to mount a strainer (more than 50 meshes) at the water inlet piping of the unit. Be sure to provide interlocking for the unit operation and water circuit. Install the supplied insulation material to the unused drain-socket. When installing insulation material around both water and refrigerant piping, follow the installated to the installed of the sure to the installed in sultation material around both water and refrigerant piping, follow the installed insultation the installed to the water indering provide interview of the installed to the sure to the installed insultation material to the water and refrigerant piping.	e. ation manual.	
Notes:			The cooling tower and the water circuit must be a closed circuit (water is not exposed to the a	Unit converter	
	tions (subject to JIS B8615-2	`		BTU/h =kW x 3.412	

Notes:		Unit converter
1.Nominal cooling conditions (subject to JIS B8615-2)	BTU/h	=kW x 3,412
Indoor: 27°CD.B./19°CW.B. (81°FD.B./66°FW.B.), Inlet water temperature: 30°C (86°F) Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)	cfm	=m ³ /min x 35.31
2.Nominal heating conditions (subject to JIS B8615-2) Indoor: 20°CD.B. (68°FD.B.), Inlet water temperature: 20°C (68°FD.B.) Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)	lbs	=kg/0.4536
	*Above	specification data is
	subject	to rounding variation.

Sound pressure level (measured in anecholic room) Bound pressure level (measured room) Bound pressure level (measure level (measured room) Bound pressure level (measured room)	Madal						
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Inverter circuit (COMP.) Over-heat protection, Over-current protection Compressor Over-heat protection Refrigerant Type x original charge R410A x 5.0 kg (12 lbs) Control LEV and HC circuit Net weight kg (lbs) 170 (375) Heat exchanger Water volume in plate 1 Water pressure Max. MPa 2.0 HIC circuit (HIC: Heat Inter-Changer) Copper pipe, tube-in-tube structure Orawing External KL94C195 Wring KE94G420 Standard attachment Document Installation Manual Accessory Refrigerant conn. pipe Joint: CMY-Y102S5L-SG2 Header: CMY-Y102S5L-SG2 Header: CMY-Y102S5L-SG2 Header: CMY-Y102S5L-SG2 Header: CMY-Y102S5L-SG2 Header: CMY-Y104, 108, 1010-G The ambient temperature of the heat source unit needs to be kept below 40°C D. B. Remarks Details on foundation work, duct work, insulation work, electrications may be subject to change without notice. The ambient relative humidity of the heat source unit needs to be kept below 40°C D. B. The heat source unit should not be installed to nution. Be sure to provide interlocking for the unit. Be sure to provide interlocking for			in.	43-5/16 x 34-11/16 x 21-11/16			
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Heat exchanger plate type Water volume in plate 1 Water volume in plate 1 Water pressure Max. MPa Copper pipe, tube-in-tube structure Drawing External Wring KE94G420 Standard attachment Document Document Installation Manual Accessory Refrigerant conn. pipe Optional parts Joint: CMV-Y102SS/LS-G2 Remarks Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the installation Manual. Due to continuing improvement, above specifications may be subject to change without notice. The ambient trengerature of the heat source unit needs to be kept below 40°C D.B. The heat source unit should not be installed at outdoor. Be sure to provide interlocking of the unit. Be sure to provide interlocking of the unit operation and water circuit. Install the supplied insulation material round both water and refrigerant piping, follow the installation manual. The cooling tower and the water circuit must be a closed circuit (water is not exposed to the atmosphere). Iotes: Unit converter 1.Nominal cooling conditions (subject to JIS B8615-2) Unit converter		Control		LEV and HIC circuit			
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Accessory Refrigerant conn. pipe Optional parts Joint: CMY-Y102SS/LS-G2 Header: CMY-Y104, 108, 1010-G Remarks Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. Due to continuing improvement, above specifications may be subject to change without notice. The ambient temperature of the heat source unit needs to be kept below 40°C D.B. The ambient temperature of the heat source unit needs to be kept below 80%. The heat source unit should not be installed at outdoor. Be sure to mount a strainer (more than 50 meshes) at the water inlet piping of the unit. Be sure to mount a strainer (more than 50 meshes) at the water inlet piping of the unit. Be sure to provide interlocking for the unit operation and water circuit. Install the supplied insulation material around both water and refrigerant piping, follow the installation manual. The cooling tower and the water circuit must be a closed circuit (water is not exposed to the atmosphere). Iotes: Unit converter I.Nominal cooling conditions (subject to JIS B8615-2) Unit converter		Wiring		KE94G420			
Optional parts Joint: CMY-Y102SS/LS-G2 Header: CMY-Y104, 108, 1010-G Remarks Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. Due to continuing improvement, above specifications may be subject to change without notice. The ambient temperature of the heat source unit needs to be kept below 40°C D.B. The ambient relative humidity of the heat source unit needs to be kept below 80%. The heat source unit should not be installed at outdoor. Be sure to mount a strainer (more than 50 meshes) at the water inlet piping of the unit. Be sure to provide interlocking for the unit operation and water circuit. Install the supplied insulation material around both water and refrigerant piping, follow the installation manual. The cooling tower and the water circuit must be a closed circuit (water is not exposed to the atmosphere). Idets: Unit converter I.Nominal cooling conditions (subject to JIS B8615-2) Unit converter	Standard attachment	Document		Installation Manual			
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Remarks Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. Due to continuing improvement, above specifications may be subject to change without notice. The ambient temperature of the heat source unit needs to be kept below 40°C D.B. The ambient relative humidity of the heat source unit needs to be kept below 80%. The heat source unit should not be installed at outdoor. Be sure to mount a strainer (more than 50 meshes) at the water inlet piping of the unit. Be sure to provide interlocking for the unit operation and water circuit. Install the supplied insulation material around both water and refrigerant piping, follow the installation manual. The cooling tower and the water circuit must be a closed circuit (water is not exposed to the atmosphere). Notes: Unit converter I.Nominal cooling conditions (subject to JIS B8615-2) Unit converter	Optional parts	•		Joint: CMY-Y102SS/LS-G2			
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1.Nominal cooling conditions (subject to JIS B8615-2) BTU/h =kW x 3,412	Remarks			to the Installation Manual. Due to continuing improvement, above specifications may be subject to change without notice The ambient temperature of the heat source unit needs to be kept below 40°C D.B. The ambient relative humidity of the heat source unit needs to be kept below 80%. The heat source unit should not be installed at outdoor. Be sure to mount a strainer (more than 50 meshes) at the water inlet piping of the unit. Be sure to provide interlocking for the unit operation and water circuit. Install the supplied insulation material to the unused drain-socket. When installing insulation material around both water and refrigerant piping, follow the installa	e. stion manual.		
1.Nominal cooling conditions (subject to JIS B8615-2) BTU/h =kW x 3,412							
	Notes:				Unit converter		
					BTU/h =kW x 3,412		

Notes:		Unit converter
1.Nominal cooling conditions (subject to JIS B8615-2)	BTU/h	=kW x 3,412
Indoor: 27°CD.B./19°CW.B. (81°FD.B./66°FW.B.), Inlet water temperature: 30°C (86°F) Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)	cfm	=m ³ /min x 35.31
2.Nomia heating conditions (subject to 15 B8615-2)	lbs	=kg/0.4536
Indoor: 20°CD.B. (68°FD.B.), Inlet water temperature: 20°C (68°FD.B.)		
Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)		
	*Above	specification data is
	subject	to rounding variation.

Model			PQHY-P300YLM-A1			
Power source			3-phase 4-wire 380-400-415 V 50/60 Hz			
Cooling capacity	*1	kW	33.5			
Nominal)	*1	BTU/h	114,300			
	Power input	kW	6.04			
	Current input	A	10.1-9.6-9.3			
	EER	kW/kW	5.54			
Temp. range of	Indoor	W.B.	15.0~24.0°C (59~75°F)			
cooling	Inlet water	°C	10.0~45.0°C (50~113°F)			
Heating capacity	*2		37.5			
			128,000			
(Hommal)	Power input	kW	6.25			
	Current input	A	10.5-10.0-9.6			
	COP	kW/kW	6.00			
T						
Temp. range of	Indoor	D.B.	15.0~27.0°C (59~81°F)			
heating	Inlet water	°C	10.0~45.0°C (50~113°F)			
Indoor unit	Total capacity		50~130% of heat source unit capacity			
connectable	Model/Quantity		P10~P300, M20~M140/1~30			
Sound pressure level (r	neasured in anechoic room)	dB <a>	54			
Sound power level (mea	asured in anechoic room)	dB <a>	68			
Refrigerant	Liquid pipe	mm (in.)	9.52 (3/8) Brazed (12.7 (1/2) Brazed, farthest length >= 40 m)		
piping diameter	Gas pipe	mm (in.)	22.2 (7/8) Brazed			
Circulating water	Water flow rate	m ³ /h	5.76			
5		L/min	96			
		cfm	3.4			
	Pressure drop	kPa	24			
	-					
	Operating volume range	m ³ /h	3.0 ~ 7.2			
Compressor	Type		Inverter scroll hermetic compressor	ssor		
	Starting method		Inverter			
	Motor output kW		7.7			
	Case heater kW		-			
Lubricant			MEL32			
External finish			Galvanized steel sheets			
External dimension H x	WxD	mm	1,100 x 880 x 550			
		in.	43-5/16 x 34-11/16 x 21-11/16			
Protection devices	High pressure protection		High pressure sensor, High pressure switch at 4.15 MPa (601 psi)			
	Inverter circuit (COMP.)		Over-heat protection, Over-current protection Over-heat protection R410A x 5.0 kg (12 lbs)			
	Compressor					
Refrigerant	Type x original charge					
0	Control		LEV and HIC circuit			
Net weight	o on a or	kg (lbs)	170 (375)			
Heat exchanger		kg (ib3)	plate type			
neat exchanger	Mater volume in plate	1	5.0			
	Water volume in plate					
	Water pressure Max.	MPa	2.0			
HIC circuit (HIC: Heat In	° ,		Copper pipe, tube-in-tube structure			
Drawing	External		KL94C195			
	Wiring		KE94G420			
Standard attachment	Document		Installation Manual			
	Accessory		Refrigerant conn. pipe			
Optional parts			Joint: CMY-Y102SS/LS-G2			
			Header: CMY-Y104, 108, 1010-G			
Remarks			Details on foundation work, duct work, insulation work, electrical wiring, power source switch, a to the Installation Manual. Due to continuing improvement, above specifications may be subject to change without notice. The ambient temperature of the heat source unit needs to be kept below 40°C D.B. The mation trained in the heat source unit needs to be kept below 80%. The heat source unit should not be installed at outdoor. Be sure to mount a strainer (more than 50 meshes) at the water inlet piping of the unit. Be sure to provide interlocking for the unit operation and water circuit. Install the supplied insulation material to the unused drain-socket. When installing insulation material around both water and refrigerant piping, follow the installated at a sure to the sure of the supplied insulation material around both water and refrigerant piping, follow the installated at a sure to the insulation material around both water and refrigerant piping.	e. ation manual.		
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Notes:		Unit converter
5 ())	BTU/h	=kW x 3,412
Indoor: 27°CD.B./19°CW.B. (81°FD.B./66°FW.B.), Inlet water temperature: 30°C (86°F) Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)	cfm	=m ³ /min x 35.31
2.Nominal heating conditions (subject to JIS B8615-2) Indoor: 20°CD.B. (68°FD.B.), Inlet water temperature: 20°C (68°FD.B.) Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)	lbs	=kg/0.4536
	*Above	specification data is
	subject	to rounding variation.

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Header: CMY-Y104, 108, 1010-G Remarks Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. Due to continuing improvement, above specifications may be subject to change without notice. The ambient temperature of the heat source unit needs to be kept below 40°C D.B. The ambient temperature of the heat source unit needs to be kept below 80%. The heat source unit should not be installed at outdoor. Be sure to provide interlocking for the unit operation and water circuit. Install the supplied insulation material around both water and refrigerant piping, follow the installation manual. The cooling tower and the water circuit must be a closed circuit (water is not exposed to the atmosphere). Notes: Unit converter 1.Nominal cooling conditions (subject to JIS B8615-2) Indoor: 27°CD.B./19°CW.B. (81°FD.B./68°FW.B.), lnlet water temperature: 30°C (86°F) Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.) Unit converter BTU/h =kkg/0.4536		Accessory		Refrigerant conn. pipe				
Remarks Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. Due to continuing improvement, above specifications may be subject to change without notice. The ambient temperature of the heat source unit needs to be kept below 40°C D.B. The ambient relative humidity of the heat source unit needs to be kept below 80%. The heat source unit should not be installed at outdoor. Be sure to mount a strainer (more than 50 meshes) at the water inlet piping of the unit. Be sure to provide interlocking for the unit operation and water circuit. Install the supplied insulation material around both water and refrigerant piping, follow the installation manual. The cooling tower and the water circuit must be a closed circuit (water is not exposed to the atmosphere). Notes: 1.Norminal cooling conditions (subject to JIS B8615-2) Indoor: 27°CD.B./19°CW.B. (81°FD.B./66°FW.B.), Inlet water temperature: 30°C (86°F) Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.) Unit converter S.Nominal heating conditions (subject to JIS B8615-2) Indoor: 20°CD.B. (68°FD.B.), Inlet water temperature: 20°C (68°FD.B.) Bip length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.) Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.) skg/0.4536	Optional parts			Joint: CMY-Y102SS/LS-G2, CMY-Y202S-G2				
to the Installation Manual. Due to continuing improvement, above specifications may be subject to change without notice. The ambient temperature of the heat source unit needs to be kept below 40°C D.B. The ambient relative humidity of the heat source unit needs to be kept below 80%. The heat source unit should not be installed at outdoor. Be sure to mount a strainer (more than 50 meshes) at the water inlet piping of the unit. Be sure to provide interlocking for the unit operation and water circuit. Install the supplied insulation material to the unused drain-socket. When installing insulation material to the unused drain-socket. When installing insulation material around both water and refrigerant piping, follow the installation manual. The cooling tower and the water circuit must be a closed circuit (water is not exposed to the atmosphere). Notes: 1.Nominal cooling conditions (subject to JIS B8615-2) Indoor: 27°CD.B./19°CW.B. (81°FD.B./66°FW.B.), Inlet water temperature: 30°C (86°F) Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.) Unit converter BTU/h =kW x 3,412 cfm =m ³ /min x 35.31 Ibs =kg/0.4536 ibs =kg/0.4536				Header: CMY-Y104, 108, 1010-G				
1. Nominal cooling conditions (subject to JIS B8615-2) BTU/h =kW x 3,412 Indoor: 27°CD.B./19°CW.B. (81°FD.B./66°FW.B.), Inlet water temperature: 30°C (86°F) cfm =m³/min x 35.31 Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.) lbs =kg/0.4536 2.Nominal heating conditions (subject to JIS B8615-2) lbs =kg/0.4536 Indoor: 20°CD.B. (68°FD.B.), Inlet water temperature: 20°C (68°FD.B.) Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)	Remarks			to the Installation Manual. Due to continuing improvement, above specifications may be subject to change without notice The ambient temperature of the heat source unit needs to be kept below 40°C D.B. The ambient relative humidity of the heat source unit needs to be kept below 80%. The heat source unit should not be installed at outdoor. Be sure to mount a strainer (more than 50 meshes) at the water inlet piping of the unit. Be sure to provide interlocking for the unit operation and water circuit. Install the supplied insulation material to the unused drain-socket. When installing insulation material around both water and refrigerant piping, follow the installa	e. ation man	ual.		
1. Nominal cooling conditions (subject to JIS B8615-2) BTU/h =kW x 3,412 Indoor: 27°CD.B./19°CW.B. (81°FD.B./66°FW.B.), Inlet water temperature: 30°C (86°F) cfm =m³/min x 35.31 Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.) lbs =kg/0.4536 2.Nominal heating conditions (subject to JIS B8615-2) lbs =kg/0.4536 Indoor: 20°CD.B. (68°FD.B.), Inlet water temperature: 20°C (68°FD.B.) Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)	Notos:					Unit converter		
	Indoor: 27°CD.B./19°C Pipe length: 7.5 m (24 2.Nominal heating condi Indoor: 20°CD.B. (68°	CW.B. (81°FD.B./66°FW.B.), I -9/16 ft.), Level difference: 0 tions (subject to JIS B8615-2 FD.B.), Inlet water temperatu	nlet water m (0 ft.)) re: 20°C (6		BTU/h cfm Ibs	=kW x 3,412 =m ³ /min x 35.31 =kg/0.4536		

*Above specification data is subject to rounding variation.

Model			PQHY-P400YLM-A1		
Power source			3-phase 4-wire 380-400-415 V 50/60 Hz		
Cooling capacity	*1	kW	45.0		
Nominal)	*1	BTU/h	153,500		
, , , , , , , , , , , , , , , , , , , ,	Power input	kW	8.03		
	Current input	A	13.5-12.8-12.4		
	EER	kW/kW	5.60		
Tanan nanana af		W.B.			
Temp. range of	Indoor		15.0~24.0°C (59~75°F)		
cooling	Inlet water	°C	10.0~45.0°C (50~113°F)		
Heating capacity	*2		50.0		
Nominal)	*2	BTU/h	170,600		
	Power input	kW	8.37		
	Current input	A	14.1-13.4-12.9		
	COP	kW/kW	5.97		
Temp. range of	Indoor	D.B.	15.0~27.0°C (59~81°F)		
heating	Inlet water	°C	10.0~45.0°C (50~113°F)		
Indoor unit	Total capacity	1	50~130% of heat source unit capacity		
connectable	Model/Quantity		P10~P400, M20~M140/1~40		
	leasured in anechoic room)	dB <a>	52		
	sured in anechoic room)	dB <a>	66 15 00 /5/0) Decred		
Refrigerant	Liquid pipe	mm (in.)	15.88 (5/8) Brazed		
piping diameter	Gas pipe	mm (in.)	28.58 (1-1/8) Brazed		
Circulating water	Water flow rate	m ³ /h	7.20		
		L/min	120		
		cfm	4.2		
	Pressure drop	kPa	44		
	Operating volume range	m ³ /h	4.5 ~ 11.6		
Compressor	Туре		Inverter scroll hermetic compressor		
	Starting method		Inverter		
	Motor output kW		10.7		
	Case heater	kW	10.7		
			- MEL32		
F	Lubricant		-		
External finish			Galvanized steel sheets		
External dimension H x	WxD	mm	1,450 x 880 x 550		
		in.	57-1/8 x 34-11/16 x 21-11/16		
Protection devices	High pressure protection		High pressure sensor, High pressure switch at 4.15 MPa (601 p	si)	
	Inverter circuit (COMP.)		Over-heat protection, Over-current protection		
	Compressor		Over-heat protection		
Refrigerant	Type x original charge		R410A x 6.0 kg (14 lbs)		
	Control		LEV and HIC circuit		
Net weight	•	kg (lbs)	214 (472)		
Heat exchanger		,	plate type		
	Water volume in plate	1	5.0		
		MPo			
HIC circuit (HIC: Heat In	Water pressure Max.	MPa	2.0 Copper pipe, tube in tube structure		
			Copper pipe, tube-in-tube structure		
Drawing	External		KL94C196		
	Wiring		KE94G420		
Standard attachment	Document		Installation Manual		
	Accessory		Refrigerant conn. pipe		
Optional parts			Joint: CMY-Y102SS/LS-G2, CMY-Y202S-G2		
			Header: CMY-Y104, 108, 1010-G		
Remarks			Details on foundation work, duct work, insulation work, electrical wiring, power source switch, a to the Installation Manual. Due to continuing improvement, above specifications may be subject to change without notice. The ambient temperature of the heat source unit needs to be kept below 40°C D.B. The ambient relative humidity of the heat source unit needs to be kept below 80%. The heat source unit should not be installed at outdoor. Be sure to mount a strainer (more than 50 meshes) at the water inlet piping of the unit. Be sure to provide interlocking for the unit operation and water circuit. Install the supplied insulation material to the unused drain-socket. When installing insulation material around both water and refrigerant piping, follow the installar the operation the a deced circuit functor is not avous and to be a deced circuit functor is not avous and the work of the vector is not avous and the work of the operation.	e. ation manual.	
Notes:			The cooling tower and the water circuit must be a closed circuit (water is not exposed to the a	tmosphere). Unit converter	
	tions (subject to JIS B8615-2)		BTU/h =kW x 3,412	

Notes:		Unit converter
	BTU/h	=kW x 3,412
Indoor: 27°CD.B./19°CW.B. (81°FD.B./66°FW.B.), Inlet water temperature: 30°C (86°F)	cfm	=m ³ /min x 35.31
Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.) 2.Nominal heating conditions (subject to JIS B8615-2) Indoor: 20°CD.B. (68°FD.B.),Inlet water temperature: 20°C (68°FD.B.) Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)	lbs	=kg/0.4536
	*Above	specification data is
	subject	to rounding variation.

Model			PQHY-P450YLM-A1		
Power source			3-phase 4-wire 380-400-415 V 50/60 Hz		
Cooling capacity	*1	kW	50.0		
(Nominal)		BTU/h	170.600		
· · · ·	Power input	kW	9.29		
	Current input	A	15.6-14.8-14.3		
	EER	kW/kW	5.38		
Temp. range of	Indoor	W.B.	15.0~24.0°C (59~75°F)		
cooling	Inlet water	°C	10.0~45.0°C (50~113°F)		
Heating capacity	*2		56.0		
(Nominal)		BTU/h	191.100		
,	Power input	kW	9.79		
	Current input	A	16.5-15.7-15.1		
	COP	kW/kW	5.72		
Temp. range of	Indoor	D.B.	15.0~27.0°C (59~81°F)		
heating	Inlet water	°C	10.0~45.0°C (50~113°F)		
Indoor unit	Total capacity	Ŭ	50~130% of heat source unit capacity		
connectable	Model/Quantity		P10~P400, M20~M140/1~45		
	easured in anechoic room)	dB <a>	54		
Sound pressure level (measure level	,	dB <a>	70		
Refrigerant	Liquid pipe	mm (in.)	15.88 (5/8) Brazed		
piping diameter	Gas pipe	mm (in.)	28.58 (1-1/8) Brazed		
Circulating water	Water flow rate	m ³ /h	20.30 (1-1/0) Biazed 7.20		
Circulating water	Water now rate	L/min	120		
		cfm	4.2		
	Dressure dren				
	Pressure drop	kPa ma ³ /h	44		
2	Operating volume range	m ³ /h	4.5 ~ 11.6		
Compressor	Туре		Inverter scroll hermetic compressor		
	Starting method		Inverter		
	Motor output	kW	11.6		
	Case heater	kW	-		
	Lubricant		MEL32		
External finish		1	Galvanized steel sheets		
External dimension H x V	VxD	mm	1,450 x 880 x 550		
		in.	57-1/8 x 34-11/16 x 21-11/16		
Protection devices	High pressure protection		High pressure sensor, High pressure switch at 4.15 MPa (601 p	SI)	
	Inverter circuit (COMP.)		Over-heat protection, Over-current protection		
	Compressor		Over-heat protection		
Refrigerant	Type x original charge		R410A x 6.0 kg (14 lbs)		
	Control	r	LEV and HIC circuit		
Net weight		kg (lbs)	214 (472)		
Heat exchanger			plate type		
	Water volume in plate	1	5.0		
	Water pressure Max.	MPa	2.0		
HIC circuit (HIC: Heat Internet Internet)			Copper pipe, tube-in-tube structure		
Drawing	External		KL94C196		
	Wiring		KE94G420		
Standard attachment	Document		Installation Manual		
	Accessory		Refrigerant conn. pipe		
Optional parts			Joint: CMY-Y102SS/LS-G2, CMY-Y202S-G2		
			Header: CMY-Y104, 108, 1010-G		
Remarks			Details on foundation work, duct work, insulation work, electrical wiring, power source switch, a to the Installation Manual. Due to continuing improvement, above specifications may be subject to change without notice. The ambient temperature of the heat source unit needs to be kept below 40°C D.B. The ambient relative humidity of the heat source unit needs to be kept below 80%. The heat source unit should not be installed at outdoor. Be sure to mount a strainer (more than 50 meshes) at the water inlet piping of the unit. Be sure to provide interlocking for the unit operation and water circuit. Install the supplied insulation material to the unused drain-socket. When installing insulation material around both water and refrigerant piping, follow the installar The cooling tower and the water circuit must be a closed circuit (water is not exposed to the and the arbited in the anter is a solution to a strainer (more than 50 meshes) at the solution the solution the installation the solution material to be unused direction and water is not exposed to the and the water is not exposed to the and the solution the material solution the solution the installation the solution the water is not exposed to the and the water is not exposed to the and the solution the solution the installation the solution the installation the solution the water is not exposed to the and the solution the solution the solution the solution the solution the installation the solution the installation the solution t	e. ation manual.	
Notes:)		Unit converter BTU/h =kW x 3,412	

Notes:		Unit converter
 Nominal cooling conditions (subject to JIS B8615-2) Indoor: 27°CD.B./19°CW.B. (81°FD.B./66°FW.B.), Inlet water temperature: 30°C (86°F) Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.) Nominal heating conditions (subject to JIS B8615-2) Indoor: 20°CD.B. (68°FD.B.),Inlet water temperature: 20°C (68°FD.B.) Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.) 	BTU/h cfm Ibs	=kW x 3,412 =m ³ /min x 35.31 =kg/0.4536
		e specification data is t to rounding variation.

Model			PQHY-P500YLM-A1		
Power source			3-phase 4-wire 380-400-415 V 50/60 Hz		
Cooling capacity	*1	kW	56.0		
Nominal)	*1	-	191,100		
Norminary	Power input	kW	11.17		
	Current input	A			
			18.8-17.9-17.2		
	EER	kW/kW	5.01		
Temp. range of	Indoor	W.B.	15.0~24.0°C (59~75°F)		
cooling	Inlet water	°C	10.0~45.0°C (50~113°F)		
Heating capacity	*2		63.0		
Nominal)	*2	BTU/h	215,000		
	Power input	kW	11.43		
	Current input	А	19.2-18.3-17.6		
	COP	kW/kW	5.51		
Temp. range of	Indoor	D.B.	15.0~27.0°C (59~81°F)		
heating	Inlet water	°C	10.0~45.0°C (50~113°F)		
Indoor unit	Total capacity	-	50~130% of heat source unit capacity		
connectable	Model/Quantity		P10~P500, M20~M140/1~50		
		dB <a>			
	neasured in anechoic room)		54		
	asured in anechoic room)	dB <a>	70.5		
Refrigerant	Liquid pipe	mm (in.)	15.88 (5/8) Brazed		
piping diameter	Gas pipe	mm (in.)	28.58 (1-1/8) Brazed		
Circulating water	Water flow rate	m ³ /h	7.20		
		L/min	120		
		cfm	4.2		
	Pressure drop	kPa	44		
	Operating volume range	m ³ /h	4.5 ~ 11.6		
Compressor			Inverter scroll hermetic compressor		
Comprocess	Starting method		Inverter		
		kW	13.0		
	· · · · · · · · · · · · · · · · · · ·		13.0		
	Case heater		-		
	Lubricant		MEL32		
External finish			Galvanized steel sheets		
External dimension H x	WxD	mm	1,450 x 880 x 550		
		in.	57-1/8 x 34-11/16 x 21-11/16		
Protection devices	High pressure protection		High pressure sensor, High pressure switch at 4.15 MPa (601 p	osi)	
	Inverter circuit (COMP.)		Over-heat protection, Over-current protection		
	Compressor		Over-heat protection		
Refrigerant	Type x original charge		R410A x 6.0 kg (14 lbs)		
Ū	Control		LEV and HIC circuit		
Net weight	o o i i i o i	kg (lbs)	214 (472)		
Heat exchanger		kg (ib3)			
near evenanger	Wotor values in the	1	plate type		
	Water volume in plate	1	5.0		
	Water pressure Max.	MPa	2.0		
HIC circuit (HIC: Heat In	87		Copper pipe, tube-in-tube structure		
Drawing	External		KL94C196	KL94C196	
	Wiring		KE94G420		
Standard attachment	Document		Installation Manual		
	Accessory		Refrigerant conn. pipe		
Optional parts	•		Joint: CMY-Y102SS/LS-G2, CMY-Y202S-G2		
			Header: CMY-Y104, 108, 1010-G		
Remarks			Details on foundation work, duct work, insulation work, electrical wiring, power source switch, a to the Installation Manual. Due to continuing improvement, above specifications may be subject to change without notice. The ambient temperature of the heat source unit needs to be kept below 40°C D.B. The ambient relative humidity of the heat source unit needs to be kept below 80%. The heat source unit should not be installed at outdoor. Be sure to mount a strainer (more than 50 meshes) at the water inlet piping of the unit. Be sure to provide interlocking for the unit operation and water circuit. Install the supplied insulation material to the unused drain-socket. When installing insulation material around both water and refrigerant piping, follow the installated at the sure of the sure to installed in the sure in the sure in the installed insulation material around both water and refrigerant piping, follow the installated insulation material around both water and refrigerant piping.	e.	
Notes:			The cooling tower and the water circuit must be a closed circuit (water is not exposed to the a		
				BTU/b =kW x 3/12	

Notes:		Unit converter
	BTU/h	=kW x 3,412
Indoor: 27°CD.B./19°CW.B. (81°FD.B./66°FW.B.), Inlet water temperature: 30°C (86°F)	cfm	=m ³ /min x 35.31
Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.) 2.Nominal heating conditions (subject to JIS B8615-2) Indoor: 20°CD.B. (68°FD.B.), Inlet water temperature: 20°C (68°FD.B.) Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)	lbs	=kg/0.4536
	*Above	specification data is
	subject	to rounding variation.

				1	
Model			PQHY-P550YLM-A1		
Power source			3-phase 4-wire 380-400-415 V 50/60 Hz		
Cooling capacity		kW	63.0		
(Nominal)		BTU/h	215,000		
	Power input	kW	12.54		
	Current input	A	21.1-20.1-19.3		
	EER	kW/kW	5.02		
Temp. range of	Indoor	W.B.	15.0~24.0°C (59~75°F)		
cooling	Inlet water	°C	10.0~45.0°C (50~113°F)		
Heating capacity	*2		69.0		
(Nominal)	*2		235,400		
	Power input	kW	12.27		
	Current input	A	20.7-19.6-18.9		
	COP	kW/kW	5.62		
Temp. range of	Indoor	D.B.	15.0~27.0°C (59~81°F)		
heating	Inlet water	°C	10.0~45.0°C (50~113°F)		
Indoor unit	Total capacity		50~130% of heat source unit capacity		
connectable	Model/Quantity	1	P10~P500, M20~M140/1~50		
	neasured in anechoic room)	dB <a>	56.5		
	asured in anechoic room)	dB <a>	71.5		
Refrigerant	Liquid pipe	mm (in.)	15.88 (5/8) Brazed		
piping diameter	Gas pipe	mm (in.)	28.58 (1-1/8) Brazed		
Circulating water	Water flow rate	m ³ /h	11.52		
		L/min	192		
		cfm	6.8		
	Pressure drop	kPa	45		
	Operating volume range	m ³ /h	6.0 ~ 14.4		
Compressor	Type Inverter scroll hermetic compressor				
	Starting method		Inverter		
	Motor output kW 15.0		15.0		
	Case heater	kW	V 0.045 (240 V)		
	Lubricant		MEL32		
External finish			Galvanized steel sheets		
External dimension H x	W x D	mm	1,450 x 880 x 550		
		in.	57-1/8 x 34-11/16 x 21-11/16		
Protection devices	High pressure protection		High pressure sensor, High pressure switch at 4.15 MPa (601 psi)		
	Inverter circuit (COMP.)		Over-heat protection, Over-current protection		
	Compressor		Over-heat protection		
Refrigerant	Type x original charge		R410A x 11.7 kg (26 lbs)		
	Control		LEV and HIC circuit		
Net weight	•	kg (lbs)	243 (536)		
Heat exchanger			plate type		
	Water volume in plate	I	10.0		
	Water pressure Max.	MPa	2.0		
HIC circuit (HIC: Heat In	iter-Changer)		Copper pipe, tube-in-tube structure		
Drawing	External		KL94C197		
Ū	Wiring		KE94G420		
Standard attachment	Document		Installation Manual		
	Accessory		Refrigerant conn. pipe		
Optional parts	,		Joint: CMY-Y102SS/LS-G2, CMY-Y202, 302S-G2		
			Header: CMY-Y104, 108, 1010-G		
Remarks			Details on foundation work, duct work, insulation work, electrical wiring, power source switch, a	and other items shall be referred	
Remarks			Details on roundation work, duct work, insulation work, electrical wiring, power source switch, a to the Installation Manual. Due to continuing improvement, above specifications may be subject to change without notice. The ambient temperature of the heat source unit needs to be kept below 40°C D.B. The ambient relative humidity of the heat source unit needs to be kept below 80%. The heat source unit should not be installed at outdoor. Be sure to mount a strainer (more than 50 meshes) at the water inlet piping of the unit. Be sure to provide interlocking for the unit operation and water circuit. Install the supplied insulation material to the unused drain-socket. When installing insulation material around both water and refrigerant piping, follow the installat The cooling tower and the water circuit must be a closed circuit (water is not exposed to the a	e. ation manual.	
				1	
Indoor: 27°CD.B./19°C Pipe length: 7.5 m (24 2.Nominal heating condi Indoor: 20°CD.B. (68°	tions (subject to JIS B8615-2 W.B. (81°FD.B./66°FW.B.), -9/16 ft.), Level difference: 0 tions (subject to JIS B8615-2 FD.B.), Inlet water temperatu -9/16 ft.), Level difference: 0	nlet water m (0 ft.) ?) re: 20°C (6		Unit converter BTU/h =kW x 3,412 cfm =m ³ /min x 35.31 lbs =kg/0.4536	

*Above specification data is subject to rounding variation.

Model			PQHY-P600YLM-A1		
Power source			3-phase 4-wire 380-400-415 V 50/60 Hz		
Cooling capacity	*1	kW	69.0		
(Nominal)		BTU/h	235,400		
(Normal)	Power input	kW	14.49		
	Current input	A	24.4-23.2-22.3		
		-			
	EER	kW/kW	4.76		
Temp. range of	Indoor	W.B.	15.0~24.0°C (59~75°F)		
cooling	Inlet water	°C	10.0~45.0°C (50~113°F)		
Heating capacity		kW	76.5		
(Nominal)	*2	BTU/h	261,000		
	Power input	kW	14.51		
	Current input	A	24.4-23.2-22.4		
	COP	kW/kW	5.27		
Temp. range of	Indoor	D.B.	15.0~27.0°C (59~81°F)		
heating	Inlet water	°C	10.0~45.0°C (50~113°F)		
Indoor unit	Total capacity	1	50~130% of heat source unit capacity		
connectable	Model/Quantity		P10~P600, M20~M140/1~50		
	(measured in anechoic room)	dB <a>	56.5		
· ·	easured in anechoic room)	dB <a>	73		
	,	-	*		
Refrigerant	Liquid pipe	mm (in.)	15.88 (5/8) Brazed		
piping diameter	Gas pipe	mm (in.)	28.58 (1-1/8) Brazed		
Circulating water	Water flow rate	m ³ /h	11.52		
		L/min	192		
		cfm	6.8		
	Pressure drop	kPa	45		
	Operating volume range	m ³ /h	6.0 ~ 14.4		
Compressor Type			Inverter scroll hermetic compressor		
Starting method			Inverter		
	Motor output	kW	16.1		
	Case heater	kW	0.045 (240 V)		
	Lubricant		MEL32		
External finish	Eddiloant		Galvanized steel sheets		
External dimension H	w W w D		1,450 x 880 x 550		
	X W X D	mm			
B		in.	57-1/8 x 34-11/16 x 21-11/16		
Protection devices	High pressure protection		High pressure sensor, High pressure switch at 4.15 MPa (601 psi)		
	Inverter circuit (COMP.)		Over-heat protection, Over-current protection		
	Compressor		Over-heat protection		
Refrigerant	Type x original charge		R410A x 11.7 kg (26 lbs)		
	Control		LEV and HIC circuit		
Net weight		kg (lbs)	243 (536)		
Heat exchanger			plate type		
	Water volume in plate	I	10.0		
	Water pressure Max.	MPa	2.0		
HIC circuit (HIC: Heat			Copper pipe, tube-in-tube structure		
Drawing	External		KL94C197		
	Wiring		KE94G420		
Standard attachment	Document		Installation Manual		
Ontional sects	Accessory		Refrigerant conn. pipe		
Optional parts			Joint: CMY-Y102SS/LS-G2, CMY-Y202, 302S-G2 Header: CMY-Y104, 108, 1010-G		
Remarks			Details on foundation work, duct work, insulation work, electrical wiring, power source switch, a to the Installation Manual. Due to continuing improvement, above specifications may be subject to change without notice The ambient temperature of the heat source unit needs to be kept below 40°C D.B. The mabient relative humidity of the heat source unit needs to be kept below 80%. The heat source unit should not be installed at outdoor. Be sure to mount a strainer (more than 50 meshes) at the water inlet piping of the unit. Be sure to provide interlocking for the unit operation and water circuit. Install the supplied insulation material to the unused drain-socket. When installing insulation material around both water and refrigerant piping, follow the installa The cooling tower and the water circuit must be a closed circuit (water is not exposed to the a	e. stion manual.	
			· · · · · · · · · · · · · · · · · · ·	I	
Notes:				Unit converter	
1.Nominal cooling con	ditions (subject to JIS B8615-2)		BTU/h =kW x 3,412	
	°CW.B. (81°FD.B./66°FW.B.). I				

Notes:		Unit converter
Indoor: 27°CD.B./19°CW.B. (81°FD.B./66°FW.B.), Inlet water temperature: 30°C (86°F) Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)	BTU/h cfm	=kW x 3,412 =m ³ /min x 35.31
2.Nominal heating conditions (subject to JIS B8615-2) Indoor: 20°CD.B. (68°FD.B.), Inlet water temperature: 20°C (68°FD.B.) Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)	lbs	=kg/0.4536
	*Above	specification data is
	subject	to rounding variation.

Model					
Power source			PQHY-P400YSLM-A1 3-phase 4-wire 380-400-415 V 50/60 Hz		
	*1	kW	3-phase 4-wile 300-		
Cooling capacity (Nominal)		BTU/h			
(Nominal)	Power input	kW	153		
	Current input	A	7.70 12.9-12.3-11.9		
	EER	A kW/kW	5.		
Temp. range of	Indoor	W.B.			
		°C	15.0~24.0°C (59~75°F) 10.0~45.0°C (50~113°F)		
cooling	Inlet water	-			
Heating capacity	*2		50		
(Nominal)		BTU/h	170		
	Power input	kW	7.		
	Current input	Α	13.4-12		
	COP	kW/kW	6.		
Temp. range of	Indoor	D.B.	15.0~27.0°C		
heating	Inlet water	°C	10.0~45.0°C		
Indoor unit	Total capacity		50~130% of heat s	· · ·	
connectable	Model/Quantity		P10~P400, M2	20~M140/1~40	
	easured in anechoic room)	dB <a>	4	9	
Sound power level (mea	sured in anechoic room)	dB <a>	6	3	
Refrigerant	Liquid pipe	mm (in.)	15.88 (5/8	3) Brazed	
piping diameter	Gas pipe	mm (in.)	28.58 (1-1	(8) Brazed	
Set Model					
Model			PQHY-P200YLM-A1	PQHY-P200YLM-A1	
Circulating water	Water flow rate	m ³ /h	5.76 -	- 5.76	
5		L/min	96 -	- 96	
		cfm	3.4 -		
	Des second data a				
	Pressure drop	kPa	24	24	
	Operating volume range	m ³ /h	3.0 + 3.0 ~	- 7.2 + 7.2	
Compressor	Туре		Inverter scroll hermetic compressor	Inverter scroll hermetic compressor	
	Starting method		Inverter	Inverter	
	Motor output	kW	4.8	4.8	
	Case heater	kW	-	-	
	Lubricant		MEL32	MEL32	
External finish	Eddiloant				
		1	Galvanized steel sheets	Galvanized steel sheets	
External dimension H x \	WxD	mm	1,100 x 880 x 550	1,100 x 880 x 550	
		in.	43-5/16 x 34-11/16 x 21-11/16 High pressure sensor, High pressure switch at 4.15 MPa (601	43-5/16 x 34-11/16 x 21-11/16 High pressure sensor, High pressure switch at 4.15 MPa (60	
Protection devices	High pressure protection		psi)	psi)	
	Inverter circuit (COMP.)		Over-heat protection, Over-current protection	Over-heat protection, Over-current protection	
	Compressor		Over-heat protection	Over-heat protection	
Refrigerant	Type x original charge				
Reingerant			R410A x 5.0 kg (12 lbs) R410A x 5.0 kg (12 lbs) LEV and HIC circuit		
	Control				
Net weight		kg (lbs)	170 (375)	170 (375)	
Heat exchanger			plate type	plate type	
	Water volume in plate	1	5.0	5.0	
	Water pressure Max.	MPa	2.0	2.0	
HIC circuit (HIC: Heat Int	ter-Changer)	•	Copper pipe, tube-in-tube structure	Copper pipe, tube-in-tube structure	
Pipe between unit and	Liquid pipe	mm (in.)	9.52 (3/8) Brazed	9.52 (3/8) Brazed	
distributor	Gas pipe	mm (in.)	19.05 (3/4) Brazed	19.05 (3/4) Brazed	
		(III.)	· ·		
Drawing	External		KL94		
	Wiring		KE94G420	KE94G420	
Standard attachment	Document		Installatio	n Manual	
	Accessory		Refrigerant	conn. pipe	
Optional parts			Heat Source Twinning	kit: CMY-Y100VBK3	
-1 1				S-G2, CMY-Y202S-G2	
Remarks			Header: CMY-Y1 Details on foundation work, duct work, insulation work, electrica		
			to the Installation Manual. Due to continuing improvement, above specifications may be s The ambient temperature of the heat source unit needs to be k The ambient relative humidity of the heat source unit needs to The heat source unit should not be installed at outdoor. Be sure to mount a strainer (more than 50 meshes) at the wate Be sure to provide interlocking for the unit operation and water Install the supplied insulation material to the unused drain-soci	ubject to change without notice. ept below 40°C D.B. be kept below 80%. er inlet piping of the unit. circuit.	
			When installing insulation material around both water and refri The cooling tower and the water circuit must be a closed circuit	gerant piping, follow the installation manual.	
				Unit converter	

 Notes:
 Unit converter

 1.Nominal cooling conditions (subject to JIS B8615-2) Indoor: 27°CD.B./19°CW.B. (81°FD.B./66°FW.B.), Inlet water temperature: 30°C (86°F)
 BTU/h =kW × 3,412 cfm =m³/min x 35.31

 Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)
 Indoor: 20°CD.B. (68°FD.B.), Inlet water temperature: 20°C (66°FD.B.)

 Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)
 *Above specification data is subject to rounding variation.

Model			PQHY-P45	0YSLM-A1	
Power source			3-phase 4-wire 380-	400-415 V 50/60 Hz	
Cooling capacity	*1	kW	50	.0	
(Nominal)	*1	BTU/h	170,600		
	Power input	kW	8.7	78	
	Current input	А	14.8-14	.0-13.5	
	EER	kW/kW	5.6	39	
Temp. range of	Indoor	W.B.	15.0~24.0°C	C (59~75°F)	
cooling	Inlet water	°C	10.0~45.0°C	(50~113°F)	
Heating capacity	*2	kW	56	.0	
(Nominal)	*2	BTU/h	191,	100	
	Power input	kW	8.9	97	
	Current input	А	15.1-14	.3-13.8	
	COP	kW/kW	6.2	24	
Temp. range of	Indoor	D.B.	15.0~27.0°C	C (59~81°F)	
heating	Inlet water	°C	10.0~45.0°C	(50~113°F)	
Indoor unit	Total capacity		50~130% of heat s	ource unit capacity	
connectable	Model/Quantity		P10~P400, M2	0~M140/1~45	
Sound pressure level (m	easured in anechoic room)	dB <a>	5	0	
Sound power level (mea		dB <a>	6		
Refrigerant	Liquid pipe	mm (in.)	15.88 (5/8	3) Brazed	
piping diameter	Gas pipe	mm (in.)	28.58 (1-1	/8) Brazed	
Set Model	• • •	/			
Model			PQHY-P250YLM-A1	PQHY-P2	00YLM-A1
Circulating water	Water flow rate	m ³ /h	5.76 -		
g		L/min			
		cfm	3.4 -		
	Dressure dren	kPa			24
	Pressure drop		24		24
	Operating volume range	m ³ /h	3.0 + 3.0 ~		
Compressor	Туре		Inverter scroll hermetic compressor		rmetic compressor
	Starting method		Inverter	Inv	erter
	Motor output	kW	6.2	4	1.8
	Case heater	kW	-		-
	Lubricant		MEL32	ME	EL32
External finish			Galvanized steel sheets	Galvanized	steel sheets
External dimension H x \	N x D	mm	1.100 x 880 x 550		880 x 550
		in.	43-5/16 x 34-11/16 x 21-11/16		1/16 x 21-11/16
Protection devices	High pressure protection			High pressure sensor, High pr	
	Inverter circuit (COMP.)		Over-heat protection, Over-current protection		Over-current protection
	Compressor		Over-heat protection		t protection
Definement					•
Refrigerant	Type x original charge		R410A x 5.0 kg (12 lbs) R410A x 5.0 kg (12 lbs) LEV and HIC circuit		U Kg (12 IDS)
	Control	1			
Net weight		kg (lbs)	170 (375)	170	(375)
Heat exchanger			plate type	plat	e type
	Water volume in plate	I	5.0	5	5.0
	Water pressure Max.	MPa	2.0	2	2.0
HIC circuit (HIC: Heat In	ter-Changer)		Copper pipe, tube-in-tube structure	Copper pipe, tub	e-in-tube structure
Pipe between unit and	Liquid pipe	mm (in.)	9.52 (3/8) Brazed	9.52 (3/	8) Brazed
distributor	Gas pipe	mm (in.)	22.2 (7/8) Brazed	,	8) Brazed
Drawing	External	,)	LLL (110) Dialoa KL94	,	
	Wiring		KE94G420		4G420
Standard attachment	Document		Installatio		10120
otanuaru attacriment					
Orthogol (Accessory		Refrigerant		
Optional parts			Heat Source Twinning		
			Joint: CMY-Y102SS/LS-G2, CMY-Y202S-G2		
			Header: CMY-Y1		
Remarks			Details on foundation work, duct work, insulation work, electrica to the Installation Manual. Due to continuing improvement, above specifications may be s The ambient temperature of the heat source unit needs to be k The ambient relative humidity of the heat source unit needs to The heat source unit should not be installed at outdoor. Be sure to mount a strainer (more than 50 meshes) at the wate Be sure to provide interlocking for the unit operation and water Install the supplied insulation material to the unused drain-soch	ubject to change without notice ept below 40°C D.B. be kept below 80%. er inlet piping of the unit. circuit.	
			When installing insulation material around both water and refrig The cooling tower and the water circuit must be a closed circuit		

 Notes:
 Unit converter

 1.Nominal cooling conditions (subject to JIS B8615-2) Indoor: 27°CD.B./19°CW.B. (81°FD.B./66°FW.B.), Inlet water temperature: 30°C (86°F)
 BTU/h =kW × 3,412

 cfm = m³/min x 35.31
 cfm = m³/min x 35.31

 J.Nominal neating conditions (subject to JIS B8615-2)
 lbs = kg/0.4536

 Indoor: 20°CD.B. (68°FD.B.), Inlet water temperature: 20°C (68°FD.B.)
 Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)

 *Above specification data is subject to rounding variation.
 *Above specification.

Maria						
Model			PQHY-P500YSLM-A1			
Power source			3-phase 4-wire 380-400-415 V 50/60 Hz			
Cooling capacity		kW	56.			
(Nominal)	-	BTU/h	191,100			
	Power input	kW	10.12 17.0-16.2-15.6			
	Current input	A				
<u> </u>	EER	kW/kW	5.5			
Temp. range of	Indoor	W.B.	15.0~24.0°C	· · · ·		
cooling	Inlet water	°C	10.0~45.0°C	· · · · ·		
Heating capacity	*2		63.			
(Nominal) *2 BTU/h			215,			
	Power input	kW	10.1			
	Current input	A	17.1-16.			
	COP	kW/kW	6.2	0		
Temp. range of	Indoor	D.B.	15.0~27.0°C	(59~81°F)		
heating	Inlet water	°C	10.0~45.0°C	(50~113°F)		
Indoor unit	Total capacity		50~130% of heat so	ource unit capacity		
connectable	Model/Quantity		P10~P500, M2	0~M140/1~50		
Sound pressure level (m	neasured in anechoic room)	dB <a>	51			
Sound power level (mea	sured in anechoic room)	dB <a>	65	5		
Refrigerant	Liquid pipe	mm (in.)	15.88 (5/8) Brazed		
piping diameter	Gas pipe	mm (in.)	28.58 (1-1/	8) Brazed		
Set Model						
Model			PQHY-P250YLM-A1	PQHY-P2	250YLM-A1	
Circulating water	Water flow rate	m ³ /h	5.76 +	5.76		
5		L/min	96 +			
		cfm	3.4 +			
	Dressure dren	kPa	÷		24	
	Pressure drop			24 24		
	Operating volume range	m ³ /h	3.0 + 3.0 ~			
Compressor	Туре		Inverter scroll hermetic compressor	Inverter scroll he	ermetic compressor	
	Starting method		Inverter	Inv	verter	
	Motor output	kW	6.2		6.2	
	Case heater	kW	-		-	
	Lubricant		MEL32	M	EL32	
External finish			Galvanized steel sheets		d steel sheets	
External dimension H x \	W×D	mm	1.100 x 880 x 550		880 x 550	
	M X D	in.	43-5/16 x 34-11/16 x 21-11/16	,	11/16 x 21-11/16	
Protection devices	High pressure protection		High pressure sensor, High pressure switch at 4.15 MPa (601	High pressure sensor, High pr	essure switch at 4.15 MPa (601	
			psi)		osi)	
	Inverter circuit (COMP.)		Over-heat protection, Over-current protection		Over-current protection	
	Compressor		Over-heat protection		at protection	
Refrigerant	Type x original charge		R410A x 5.0 kg (12 lbs) R410A x 5.0 kg (12 lbs)		.0 kg (12 lbs)	
	Control		LEV and HIC circuit			
Net weight		kg (lbs)	170 (375)	170	(375)	
Heat exchanger			plate type	pla	te type	
5	Water volume in plate	1	5.0		5.0	
	Water pressure Max.	MPa	2.0		2.0	
HIC circuit (HIC: Heat Int		WI a				
,	÷ ,		Copper pipe, tube-in-tube structure		be-in-tube structure	
Pipe between unit and	Liquid pipe	mm (in.)	9.52 (3/8) Brazed		(8) Brazed	
distributor	Gas pipe	mm (in.)	22.2 (7/8) Brazed		(8) Brazed	
Drawing	External		KL940	241		
	Wiring		KE94G420	KE9	4G420	
Standard attachment	Document		Installation	n Manual		
Accessory		Refrigerant conn. pipe				
Optional parts			Heat Source Twinning kit: CMY-Y100VBK3			
• F == 1 == F == 1 =			-			
			Joint: CMY-Y102SS/LS-G2, CMY-Y202S-G2 Header: CMY-Y104, 108, 1010-G			
Remarks			Header: CMY-YI Details on foundation work, duct work, insulation work, electrical		and other items shall be referred	
			Due to continuing improvement, above specifications may be see The ambient temperature of the heat source unit needs to be ke The ambient temperature of the heat source unit needs to be The heat source unit should not be installed at outdoor. Be sure to mount a strainer (more than 50 meshes) at the wate Be sure to provide interlocking for the unit operation and water Install the supplied insulation material to the unused drain-sock When installing insulation material around both water and refrig	ubject to change without notic ept below 40°C D.B. be kept below 80%. r inlet piping of the unit. circuit. et.	e.	
			The cooling tower and the water circuit must be a closed circuit			
Notes:					Unit converter	

 Notes:
 Unit converter

 1.Nominal cooling conditions (subject to JIS B8615-2) Indoor: 27°CD.B./19°CW.B. (81°FD.B./66°FW.B.), Inlet water temperature: 30°C (86°F)
 BTU/h
 =kW × 3,412

 cfm
 =m³/min x 35.31
 cfm
 =m³/min x 35.31

 J.Notes:
 Indoor: 20°CD.B. (68°FD.B.), Inlet water temperature: 20°C (68°FD.B.)
 lbs
 =kg/0.4536

 Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)
 *Above specification data is subject to ISB 8615-2)
 subject to rounding variation.

MEES21K153

			r			
Model			PQHY-P550YSLM-A1			
Power source			3-phase 4-wire 380-400-415 V 50/60 Hz			
Cooling capacity	*1	kW	63.0			
(Nominal)	*1	BTU/h	215,000			
	Power input	kW	11.	11.55		
	Current input	А	19.4-18	.5-17.8		
	EER	kW/kW	5.4	15		
Temp. range of	Indoor	W.B.	15.0~24.0°C	; (59~75°F)		
cooling	Inlet water	°C	10.0~45.0°C	(50~113°F)		
Heating capacity	*2	kW	69	.0		
Nominal)	*2	BTU/h	235,	400		
	Power input	kW	11.	31		
	Current input	А	19.0-18	.1-17.4		
	COP	kW/kW	6.7	10		
Temp. range of	Indoor	D.B.	15.0~27.0°C	; (59~81°F)		
heating	Inlet water	°C	10.0~45.0°C	(50~113°F)		
Indoor unit	Total capacity		50~130% of heat s	ource unit capacity		
connectable	Model/Quantity		P10~P500, M2			
Sound pressure level (m	easured in anechoic room)	dB <a>	5	5		
	sured in anechoic room)	dB <a>	6			
Refrigerant	Liquid pipe	mm (in.)	15.88 (5/8			
piping diameter	Gas pipe	mm (in.)	28.58 (1-1)	1		
Set Model	Sao pipo	1 ()	20.30 (1-1/	0, 5.0200		
Model			PQHY-P300YLM-A1		250YLM-A1	
	Wates flow c-t-				LOUT LIVI-AI	
Circulating water	Water flow rate	m ³ /h	5.76 +			
		L/min	96 +			
		cfm	3.4 +	3.4		
	Pressure drop	kPa	24		24	
	Operating volume range	m ³ /h	3.0 + 3.0 ~	7.2 + 7.2		
Compressor	Туре		Inverter scroll hermetic compressor	Inverter scroll he	rmetic compressor	
- 1	Starting method		Inverter		verter	
	Motor output	kW	7.7		6.2	
	· · · ·					
	Case heater	kW	-		-	
	Lubricant		MEL32	ME	EL32	
External finish			Galvanized steel sheets	Galvanized	I steel sheets	
External dimension H x	W x D	mm	1,100 x 880 x 550	1,100 x	880 x 550	
		in.	43-5/16 x 34-11/16 x 21-11/16	43-5/16 x 34-1	1/16 x 21-11/16	
Protection devices	High pressure protection	•	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)	High pressure sensor, High pr	essure switch at 4.15 MPa (6 osi)	
	Inverter circuit (COMP.)		Over-heat protection, Over-current protection	Over-heat protection,	Over-current protection	
	Compressor		Over-heat protection	Over-hea	t protection	
Refrigerant	Type x original charge		R410A x 5.0 kg (12 lbs)		•	
Reingerant	Control		R410A x 5.0 kg (12 lbs) R410A x 5.0 kg (12 lbs) LEV and HIC circuit		.0 kg (12 103)	
	Control				()	
Net weight		kg (lbs)	170 (375)		(375)	
Heat exchanger		1	plate type	•	e type	
	Water volume in plate	1	5.0		5.0	
	Water pressure Max.	MPa	2.0		2.0	
HIC circuit (HIC: Heat In	ter-Changer)		Copper pipe, tube-in-tube structure	Copper pipe, tub	e-in-tube structure	
Pipe between unit and	Liquid pipe	mm (in.)	12.7 (1/2) Brazed		2) Brazed	
distributor	Gas pipe	mm (in.)	22.2 (7/8) Brazed	,	8) Brazed	
Drawing	External	1	KL94	,	-,	
2.30009					46420	
Other devident of the state	Wiring		KE94G420		4G420	
Standard attachment	Document		Installatio			
	Accessory		Refrigerant	conn. pipe		
Optional parts			Heat Source Twinning	kit: CMY-Y100VBK3		
			Joint: CMY-Y102SS/LS-C	62, CMY-Y202, 302S-G2		
			Header: CMY-Y104, 108, 1010-G			
Remarks			Details on foundation work, duct work, insulation work, electrica to the Installation Manual. Due to continuing improvement, above specifications may be s The ambient temperature of the heat source unit needs to be k The ambient relative humidity of the heat source unit needs to The heat source unit should not be installed at outdoor. Be sure to mount a strainer (more than 50 meshes) at the wate Be sure to mount a strainer (more than 50 meshes) at the wate	ubject to change without notice ept below 40°C D.B. be kept below 80%. r inlet piping of the unit.		
			Be sure to provide interlocking for the unit operation and water Install the supplied insulation material to the unused drain-sock When installing insulation material around both water and refrig The cooling tower and the water circuit must be a closed circuit	et. Jerant piping, follow the installa		
lotes:					Unit converter	

 Notes:
 Unit converter

 1.Nominal cooling conditions (subject to JIS B8615-2) Indoor: 27°CD.B./19°CW.B. (81°FD.B./66°FW.B.), Inlet water temperature: 30°C (86°F)
 BTU/h =kW x 3,412

 cfm = m³/min x 35.31
 cfm = m³/min x 35.31

 2.Nominal heating conditions (subject to JIS B8615-2) Indoor: 20°CD.B. (68°FD.B.), Inlet water temperature: 20°C (68°FD.B.)
 bs = kg/0.4536

 Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)
 *Above specification data is subject to rounding variation.

Model			PQHY-P60		
Power source			3-phase 4-wire 380-		
Cooling capacity	*1	kW	5-phase 4-wile 360-		
(Nominal)		BTU/h			
(Norminal)	Power input	kW	235,400 12.84		
	Current input	A	21.6-20.5-19.8		
	EER	A kW/kW	5.3		
Temp. range of	Indoor	W.B.	15.0~24.0°C		
	Inlet water	°C			
cooling		kW	10.0~45.0°C		
Heating capacity		BTU/h	76		
(Nominal)		kW	261,		
	Power input		12.		
	Current input	A	21.5-20		
- /	COP	kW/kW	6.		
Temp. range of	Indoor	D.B.	15.0~27.0°C		
heating	Inlet water	°C	10.0~45.0°C		
Indoor unit	Total capacity		50~130% of heat s	• •	
connectable	Model/Quantity	1	P10~P600, M2		
, ,	easured in anechoic room)	dB <a>	5		
Sound power level (measured)	,	dB <a>	7		
Refrigerant	Liquid pipe	mm (in.)	15.88 (5/8		
piping diameter	Gas pipe	mm (in.)	28.58 (1-1)	/8) Brazed	
Set Model					
Model			PQHY-P300YLM-A1	PQHY-P300YLM-A1	
Circulating water	Water flow rate	m ³ /h	5.76 +	- 5.76	
		L/min	96 +	- 96	
		cfm	3.4 +	- 3.4	
	Pressure drop	kPa	24	24	
	Operating volume range	m ³ /h	3.0 + 3.0 -		
0		111 /11			
Compressor	Type Obsetions results at		Inverter scroll hermetic compressor	Inverter scroll hermetic compressor	
	Starting method		Inverter	Inverter	
	Motor output	kW	7.7	7.7	
	Case heater	kW	-	-	
	Lubricant		MEL32	MEL32	
External finish			Galvanized steel sheets	Galvanized steel sheets	
External dimension H x V	V x D	mm	1,100 x 880 x 550	1,100 x 880 x 550	
		in.	43-5/16 x 34-11/16 x 21-11/16	43-5/16 x 34-11/16 x 21-11/16	
Protection devices	High pressure protection	1	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)		
	Inverter circuit (COMP.)		Over-heat protection, Over-current protection	Over-heat protection, Over-current protection	
	Compressor		Over-heat protection	Over-heat protection	
Defrigerent	Type x original charge		· · ·		
Refrigerant	,1 8 8		R410A x 5.0 kg (12 lbs) R410A x 5.0 kg (12 lbs) LEV and HIC circuit		
	Control	1			
Net weight		kg (lbs)	170 (375)	170 (375)	
Heat exchanger			plate type	plate type	
	Water volume in plate	I	5.0	5.0	
	Water pressure Max.	MPa	2.0	2.0	
HIC circuit (HIC: Heat Int	er-Changer)	•	Copper pipe, tube-in-tube structure	Copper pipe, tube-in-tube structure	
Pipe between unit and	Liquid pipe	mm (in.)	12.7 (1/2) Brazed	12.7 (1/2) Brazed	
distributor	Gas pipe	mm (in.)	22.2 (7/8) Brazed	22.2 (7/8) Brazed	
	External	()	22.2 (778) brazed KL94		
Drawing					
e 1 1 2 2	Wiring		KE94G420	KE94G420	
Standard attachment	Document		Installatio		
	Accessory		Refrigerant	conn. pipe	
Optional parts			Heat Source Twinning	kit: CMY-Y100VBK3	
			Joint: CMY-Y102SS/LS-C	G2, CMY-Y202, 302S-G2	
			Header: CMY-Y1	04, 108, 1010-G	
Remarks			Details on foundation work, duct work, insulation work, electrica to the Installation Manual. Due to continuing improvement, above specifications may be s The ambient temperature of the heat source unit needs to be k The ambient relative humidity of the heat source unit needs to The heat source unit should not be installed at outdoor. Be sure to mount a strainer (more than 50 meshes) at the wate	ubject to change without notice. ept below 40°C D.B. be kept below 80%.	
			Be sure to provide interlocking for the unit operation and water Install the supplied insulation material to the unused drain-sock When installing insulation material around both water and refrig The cooling tower and the water circuit must be a closed circuit	circuit. ket. gerant piping, follow the installation manual.	

 Notes:
 Unit converter

 1.Nominal cooling conditions (subject to JIS B8615-2) Indoor: 27°CD.B./19°CW.B. (81°FD.B./66°FW.B.), Inlet water temperature: 30°C (86°F)
 BTU/h
 =kW x 3,412

 cfm
 =m³/min x 35.31

 Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)
 Ibs
 =kg/0.4536

 Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)
 *Above specification data is subject to rounding variation.

PQHY-P-Y(S)LM-A1

Model FORM P2017SLAAT Conting deploy 1 2, plasse starme SIMIA (0.14.14) V (2.00) Her Conting deploy 1 UII 0.00 Conting of the start part WIII 0.00 0.00 Conting of the start part WIII 0.00 0.00 Conting of the start part WIII 0.00 0.00 Terms, range of the start part VIIII 0.00 0.00 Parter part VIIII 0.00 0.00 Control part part VIIIII 0.00 0.00 Parter part VIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII						
Coning quadry 1 W/W 0.0 Nominal Proser right W/W 1473 Coning range A 0.242-02.62.07 Filler 4.44 0.242-02.62.07 Temp, range d N/W 10.0-4807 Healing canacity N/W 0.0-4807 Proser field W/W 0.0-4807 Proser field 2 W/W Coning canacity N/W 0.0-4807 Proser field 2 W/W 0.0-4807 Coning canacity 2 0.0 0.0-4807 Coning canacity 2 0.0 0.0 Coning canacity 10.0-4807 0.00-4807 Coning canacity 10.0-4807 0.00-4807 Coning canacity 10.0-4807 0.00-4807 Coning canacity 10.0-4807 0.00-4807 Coning canacity 10.0-4907 0.00-4907 Coning canacity 10.0-4907 0.00-4907 Coning canacity 10.0-4907 0.00-4907 Conind canacity	Model					
Nominal Processing Image of ERR Image of ERR <thimage of<br="">ERR Image of</thimage>						
Procent prod W 14.7 Carrent Typel A 24.623.6227 Temp, range of Infector W.M 6.33 Temp, range of Infector W.M 6.102-24.07 (Col-137F) Infector V.M 0.002-24.07 (Col-137F) Infector V.M 0.0030 Namina) 2 ETUIN 0.0030 Corrent Typel AW 0.0160 0.017F) Temp, range of Vocation 0.03 0.0300 0.0300 Temp, range of Vocation 0.03 0.0300 0.0307 Temp, range of Vocation 0.03 0.0300 0.0307 Temp, range of Vocation 0.03 0.0307 0.0307 Temp, range of Vocation 0.030 0.0307 0.0307 Temp, range of Vocation 0.0307 0.0307 0.0307 Temp,	Cooling capacity	*1	kW	80.0		
	(Nominal)	*1	BTU/h	273,000		
EER WWW 0.43 midor Web 102-94 07 (04-737) cooling Initis value C 100-497 (06-1137) Nominal) 2 2 WL 88.0 Nominal) 2 2 WL 303.00 Core in fugure A 24.22.8.62.7 Core in fugure Model Common 0.6.1 150-27.07 (56-817) Forein fugure Sond processing in fugure Tail copendy Forein fugure Forein fugure Forein fugure Model Common 64.24 64.9 Forein fugure Forein fugure Forein fugure Forein fugure Model Common 64.24 7.00 * 7.00 * Forein fugure Forein fugure<		Power input	kW	14	.73	
ER WAW 5.43 coding Index W.M. (150-24 DC (50-757)) coding Init water C (100-450 C (50-757)) Nominal) 2 2 100 400 86.0 Nominal) 2 2 100 400 400 400 Nominal 2 100 400 </td <td></td> <td>Current input</td> <td>А</td> <td>24.8-23</td> <td>3.6-22.7</td> <td></td>		Current input	А	24.8-23	3.6-22.7	
Imp. ange of Moor Mon 150-24 OC (59-757) Het water C 0.004-60 °C (20-737) Heat mark C 0.004-60 °C (20-737) Heat mark 2 BUM 0.80.0 Core input W 1.004-60 °C (20-0137) 0.000-60 °C (20-137) Core input A 0.28.25.227 0.000-60 °C (20-137) Trop, ange of Mode D.8 0.105-27.07 °C (20-817) 0.000-60 °C (20-137) Inform, and of Mode C 0.000-000 °C (20-817) 0.000-000 °C (20-817) Inform, and of Mode C 0.000-000 °C (20-817) 0.000-000 °C (20-817) Stand prosure level (measurel in anethor room) BA-A 0.000-000 °C (20-817) 0.000-000 °C (20-817) Stand prosure level (measurel in anethor room) BA-A 0.000-000 °C (20-817) 0.000-000 °C (20-817) Stand prosure level (measurel in anethor room) BA-A 0.000-000 °C (20-817) 0.000-000 °C (20-817) Stand prosure level (measurel in anethor room) BA-A 0.000-000 °C (20-817) 0.000-000 °C (20-817) Stand prosure level (measurel in anethor room) BA-A 0.000-0000 °C (20-817) 0		EER	kW/kW			
Index varies View larger capacity V 2 Out water 0.0	Temp, range of		-			
Vertical property V 88.0 Prever input NW 300.300 Prever input A 26.71/h Core MVW 300.300 Entern prug A 26.72.7 Core MVW 5.97 Temp: nange of the door D.B. 115.67.27.07.05.8-117.1 Indoor unt Total capacity 90-94.50.7.05.9-1137.1 Sound pressure diver (measured in anchoix coom) d6.4> 55. Sound pressure diver (measured in anchoix coom) d6.4> 56. Sound pressure diver (measured in anchoix coom) d6.4> 56. Sound pressure diver (measured in anchoix coom) d6.4> 66. Refigerant Upust preventimed d6.9.4 66. Circle interretime (masured in anchoix coom) d6.4> 12.0.1.2.3.0.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1			-			
Nonvial) v v 00.300 Everer input A 20.200 46.23.2 COP MV/W 0.45.23.2 COP Temp: ange of Hodor D.B. 116.0-27.07.0 (50-317) Indication II Tota capacity 50-1030.4 (Intel Cope1137) Indication III Tota capacity 50-1030.4 (Intel Cope1137) Sound power May (Intersauce III an excision IIII and Cope IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	÷					
$ \begin{array}{ $	• • •		+	4		
Curve Toput A. 29.8.25.27 COP WWW 5.87 Tarro, range of Hodor D.8. 1160-2170 C (89-817) Indian Capacity 50-1050 r field source unit equaly. 00-4507 C (89-817) Indian Capacity 50-1050 r field source unit equaly. 00-1050 r field source unit equaly. Sound porest level (measured in anchor com) d6 4/- 60 Sound porest level (measured in anchor com) d6 4/- 60 Refrigerant Usady pipe (mm (n.) 34.813-90 random Sound porest level (measured in anchor com) d6 4/- 00 Refrigerant Usady pipe (mm (n.) 34.813-90 random Sound pore level (measured in anchor com) d6 4/- 0 Cinculating water Initia 170 r 7.20	Nominal)					
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Institu Institu °C 10.0-45.0°C (20-1137) consectable ModelQuantity - 0.0-1300 (14.04.01-50) consectable ModelQuantity P10-P600. M2D-M401-50 Sound power level (messured in smecholic room) dB Ab Sound power level (messured in smecholic room) dB Ab Sound power level (messured in smecholic room) dB Ab Sound power level (messured in smecholic room) dB Ab Sound power level (messured in smecholic room) dB Ab Sound power level (messure din power level (COP	kW/kW	5.	97	
Index unit Total capacity 50-10% of their source uncepacity Sound pore level (measured in anechoic room) dB <a> 56 Sound pore level (measured in anechoic room) dB <a> 69 Sound pore level (measured in anechoic room) dB <a> 69 Sound pore level (measured in anechoic room) dB <a> 69 Sound pore level (measured in anechoic room) dB <a> 69 Sound pore level (measured in anechoic room) dB <a> 69 Sound pore level (measured in anechoic room) dB <a> 00 Sound pore level (measured in anechoic room) dB <a> 00 Sound pore level (measured in anechoic room) dB <a> 00 Sound pore level (measured in anechoic room) dB <a> 00 Sound pore level (measured in method Tom 720 + 720 Model Trim 720 + 720 10 Cinclusting volume range MPa 44 44 Compressor Type Inverter scool hemmetic compressor Inverter scool hemmetic compressor Stating method NU 0.5 0.5 0.5	Temp. range of	Indoor	D.B.	15.0~27.0°	C (59~81°F)	
Index S0-10% of hast source and capaby. Sound pressere (exer (measured) anechoic mom) dB 4/h 910-690.002-M401-60 Sound pressere (increasured) anechoic mom) dB 4/h 95 Sound pressere (increasured) anechoic mom) dB 4/h 90 Bertignerit Liquid pipe mm (n) 1006 (24) Bread Bring damater Gas pipe mm (n) 34 93 (1-38) Brazed Model Circulating water mm (n) 720 + 720 Diraction (n) 100 + 100 100 + 100 Operating volume range m ³ h 720 + 720 Circulating water m ³ h 720 + 720 Pressure drop MPa 44 44 Operating volume range m ³ h 100 + 100 Corporessor Type Inverter Inverter Moder Outut WW 9.5 9.5 Corporessor Type Inverter Inverter Lubricant Medi 322 MEL 32 External finich Corporessor 1.450 x 800 x 850 1.450 x 80 x 700	heating	Inlet water	°C	10.0~45.0°C	(50~113°F)	
Interference P10-P00, M20-M401-60 Sound pressure dura (measured in anchoic room) dB ×A 95 Sound pressure dura (measured in anchoic room) dB ×A 90 Freingrant Ligid pipe mm (n) 10.01 (SH) Brazed piping diamotor Gas pipe mm (n) 34.03 (1-38) Brazed Set Model PCHY-P380YLM-A1 POHY-P380YLM-A1 Circulating water Mare flow rate mm (n) 120.01 (SH) Brazed Circulating water Mare flow rate mm (n) 120.21 (SH) Brazed Circulating water Mare flow rate mm (n) 120.21 (SH) Brazed Circulating water Mare flow rate mm (n) 120.21 (SH) Brazed Circulating water Mare flow rate Mare flow rate 44 Operating volume range m ² /h Mare flow rate 44 44 Compressor Type Inverter scoll hermetic compressor Inverter scoll hermetic compressor Inverter scoll hermetic compressor Case hater WV - - - - Case hater WV - - </td <td>*</td> <td></td> <td></td> <td></td> <td></td> <td></td>	*					
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Enformat Luck pipe mm (n.) 10.5 (54) Hazad Set Model Gas pipe mm (n.) 34.33 (1-30) Brazed Model POHY-P360YLM-A1 POHY-P360YLM-A1 Circulating water M ² /n Lirvin 120 + 72.0 Circulating water M ² /n Lirvin 120 + 72.0 Pressure drop MP a 44 44 Operating values range N ² /n 4.5 + 4.5 - 11.6 + 11.6 100 + 100 Compressor Type Inverter scroll hemetic compressor Inverter Inverter Statting method kW 0.5 0.5 0.5 Case header KW - - - External finish m 1.450 × 800 × 500 1.450 × 800 × 500 F1.80 × 341.116 × 21.411/16 S7.18 × 341.116 × 21.411/16 S7.18 × 341.116 × 21.411/16 S7.18 × 341.116 × 21.411/16 Protection devices figh pressure sensor, High pressure	· · ·	,	-			
bipsing damater Sas pipe mm (in.) 34 B3 (1-34) Brazed Model PGHY-P3S0YLM-A1 PGHY-P3S0YLM-A1 PGHY-P3S0YLM-A1 Model Imm 7.20 + 7.20 120 + 120 Circulating water Imm Imm 120 + 120 Pressure drop KPa 44 4 Operating volume range m ³ h 4.5 + 4.5 - 11.6 + 11.6 Compressor Type Inverter scole hermetic compressor Inverter Moder output KW 0.5 0.5 Case header KW - - Lubreant Galvanize sensor, High pressure sensor,		asured in anechoic room)	dB <a>			
Sei Model Model Model Model Prosure drop Prosure drop Prosure drop Prosure drop Prosure d	Refrigerant	Liquid pipe	mm (in.)		,	
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Circulating water Water flow rate m ¹ /h 7.20 7.20 Circulating water Intrin 120 120 120 dm 4.2 + 4.2 Pressure drop KPa 4.4 4 Operating volume range m ¹ /h 4.5 + 4.5 - 11.6 + 11.0 Inverter scroll hermetic compressor Starting method Inverter Inverter Inverter Inverter Starting method Inverter Starting 8.5 9.5 Case heater KW 9.5 9.5 1.4 9.5 Lubricant MMC MMC 1.450 × 880 × 580 5.1 1.450 × 880 × 580 × 11/160 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td></td<>						
Circulating water Water flow rate m ⁺ /m 7.20 7.20 Circulating water Water flow rate m ⁺ /m 120 120 Imm 120 120 120 120 Pressure drop KPa 44 4 4 Operating volume range m ⁺ /m 4.5 + 4.5 - 11.6 + 11.0 100 Compressor Type Inverter scrol hermatic compressor Inverter scrol hermatic compressor Inverter scrol hermatic compressor Starting method Inverter Inverter scrol hermatic compressor 0.5 0.5 Case heater KW - - - - Lubricant Metca volution Metca volution Metca volution 1.450 × 880 × 550 1.450 × 880 × 550 Protection devices High pressure protection Instruct volution volution volution 1.450 × 880 × 550 1.450 × 880 × 550 Compressor Over-heat protection Over-heat protection Over-heat protection Over-heat protection Protection devices High pressure protection Over-heat protecion Over-heat protecion	Model			POHY-P350YI M-41	POHY-P3	350YLM-A1
Imm 120 + 120 Pressure drop KPa 42 + 4.2 Operating volume range m ² h 42 + 4.2 Compressor Inverter arge m ² h Starting method Inverter scroll hemetic compressor Inverter scroll hemetic compressor Starting method Inverter Inverter Motor output KW 9.5 9.5 Case heater KW - - External finish Galvanized steel sheels Galvanized steel sheels Galvanized steel sheels External finish mm 1.450 x 800 x 550 5.18 x 34-11/16 x 21-11/16 Protection devices Input recruit (COMP) More reserver, High pressure sensor, High press		Water flow rote	m ³ /h			
Image: dm 42 + 42 Pressure drop kPa 44 44 Operating volume range Type Inverter scroll hermetic compressor Inverter scroll hermetic compressor Starting method Inverter Inverter Inverter Motor output KW 9.5 9.5 Case heater KW - - Lubricant Mell.32 Mell.32 Mell.32 External dimension H x W x D mm 1,450 x 800 x 550 57.18 x 34.11/16 x 21.11/16 Protection devices High pressure protection High pressure sensor, High pressure soutch at 4.1 5MPa (801 pel) pressure sensor, High pre	oncurating water	water now rate		4		
Pressure drop kPa 44 44 Operating volume range m ³ /h 4.5 + 4.5 - 11.6 + 11.6 44 Compressor Type Inverter scroll hermetic compressor Inverter scroll hermetic compressor Motor output kW 9.5 0.5 0.5 Case heater KW - - - Lubricant Galvanized steel sheets Galvanized steel sheets Galvanized steel sheets External finish Galvanized steel sheets Galvanized steel sheets Galvanized steel sheets External finish Galvanized steel sheets Galvanized steel sheets Galvanized steel sheets External finish Galvanized steel sheets Galvanized steel sheets Galvanized steel sheets External finish Galvanized steel sheets Galvanized steel sheets Galvanized steel sheets External finish Galvanized steel sheets Galvanized steel sheets Galvanized steel sheets Contropersor nm 1,450 x80 x550 1,450 x80 x50 1,450 x80 x50 Corropersor Over-heat protection Over-neat protection Over-neat protection <td></td> <td></td> <td>L/min</td> <td>120 -</td> <td>+ 120</td> <td></td>			L/min	120 -	+ 120	
Operating volume range m³/h 4.5 + 4.5 - 11.6 + 11.8 Compressor Type Inverter scroll hemetic compressor Inverter scroll hemetic compressor Inverter scroll hemetic compressor Starting method WW 9.5 9.5 Case heater KW - - Lubricant Galvanized steel sheets Galvanized steel sheets Galvanized steel sheets External finish Galvanized steel sheets Galvanized steel sheets 57.16 × 21.11/16 External dimension H x W x D mm 1,450 x 800 x 550 1,450 x 80 x 550 in. 19.7 14.8 × 21.11/16 57.16 × 21.11/16 57.16 × 21.11/16 Protection devices High pressure protection, Over-current protection Over-heat protection, Over-current protection Over-heat protection Compressor Over-heat protection, Over-current protection Over-heat protection Over-heat protection Refrigerant Type x original charge R410A x 6.0 kg (14 lbs) R410A x 6.0 kg (14 lbs) Refrigerant Type x original charge Control LEV and HIC circuit Net weight kg (lbs) 214 (472)			cfm	4.2	+ 4.2	
Compressor Type Inverter Inverter scroll hermetic compressor Inverter scroll hermetic compressor Barting method Inverter Inverter Inverter Inverter Motor output kW 9.5 9.5 Case heater kW		Pressure drop	kPa	44		44
Compressor Type Inverter Inverter scroll hermetic compressor Inverter scroll hermetic compressor Butring method Inverter Inverter Inverter Inverter Motor output KW 9.5 9.5 Case heater KW - - Lubricant MeL32 MEL32 External finish Galvanized steel sheets Galvanized steel sheets Fridection devices High pressure sensor, High presure sen		Operating volume range	m ³ /h	45+45~	11 6 + 11 6	
Starting method Inverter Inverter Inverter Motor output KW 9.5 9.5 Case heater KW - - Lubricant Galavanized sitel sheets Galavanized sitel sheets Galavanized sitel sheets External finish Galavanized sitel sheets Galavanized sitel sheets Galavanized sitel sheets External dimension H x W x D mm 1,450 x 880 x 550 1,450 x 80 x 550 57.18 x 34.11/16 x 21.11/16 Protection devices High pressure protection mm 57.18 x 34.11/16 x 21.11/16 57.18 x 34.11/16 x 21.11/16 Protection devices High pressure protection File pressure exitch at 4.15 MPa (601 High pressure exitch at 4.15 MPa (601 Inverter circuit (COMP.) Over-heat protection Over-heat protection Over-heat protection Compressor Over-heat protection Over-heat protection Over-heat protection Over-heat protection Net weight kg (bs) 214 (472) 214 (472) 214 (472) Heat exchanger plate type plate type plate type Pile between unit and Liquid pile<	C		,			mastic communication
Motor output KW 9.5 9.5 Case heater KW - <	Compressor					•
Case heater WW MU Lubricant MEL32 MEL32 External finish Galvanized steel sheets Galvanized steel sheets External finish 1.450 x 880 x 550 1.450 x 880 x 550 Freeded memory 1.450 x 880 x 550 1.450 x 880 x 550 Protection devices High pressure protection Free structure sensor, High pressure switch at 4.15 MPa (601 Inverter circuit (COMP.) Over-heat protection Over-heat protection Refrigerant Type x original charge R410A x 6.0 kg (14 lbs) R410A x 6.0 kg (14 lbs) Net weight kg (lbs) 214 (472) 214 (472) Net weight kg (lbs) 214 (472) 214 (472) HiC circuit (HIC: Heat Inter-Changer) Copper pipe, tube-in-tube structure Copper pipe, tube-in-tube structure Copper pipe, tube-in-tube structure Pipe between unit and Listibutor Liquid pipe mm (n,) 12.7 (1/2) Brazed 12.7 (1/2) Brazed Drawing External MPa 2.0 2.0 Miring KE94G420 KE94G420 KE94G420 Drawing KE94G420 <td< td=""><td></td><td>Starting method</td><td></td><td>Inverter</td><td>Inv</td><td>rerter</td></td<>		Starting method		Inverter	Inv	rerter
Lubricant MEL32 MEL32 External finish Galvanized steel sheets Galvanized steel sheets Galvanized steel sheets External dimension H x W x D mm 1,450 x 860 x 550 1,450 x 860 x 550 in. 57-1/8 x 34-11/16 x 21-11/16 57-1/8 x 34-11/16 x 21-11/16 Protection devices High pressure protection High pressure sensor, High pressure switch at 4.15 MPa (601 ps) High pressure sensor, High pressure switch at 4.15 MPa (601 ps) Inverter circuit (COMP.) Over-heat protection Over-heat protection Over-heat protection Compressor Over-heat protection Over-heat protection Over-heat protection Control LEV and HiC circuit R410A x 6.0 kg (14 lbs) R410A x 6.0 kg (14 lbs) Control LEV and HiC circuit LEV and HiC circuit Water volume in plate 1 5.0 5.0 Water volume in plate I 5.0 5.0 Itsibutor Gas pipe mm (in,) 12.7 (1/2) Brazed 12.7 (1/2) Brazed Standard attachment Liquid pipe KE94G420 KE94G420 KE94G420 Optional parts		Motor output	kW	9.5	9	9.5
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Header: CMY-Y104, 108, 1010-G Remarks Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall to the Installation Manual. Due to continuing improvement, above specifications may be subject to change without notice. The ambient temperature of the heat source unit needs to be kept below 40°C D.B. The ambient temperature of the heat source unit needs to be kept below 80%. The heat source unit should not be installed at outdoor. Be sure to mount a strainer (more than 50 meshes) at the water inlet piping of the unit. Be sure to provide interlocking for the unit operation and water circuit. Install the supplied insulation material to the unused drain-socket. When installing insulation material around both water and refrigerant piping, follow the installation manual.	Optional parts					
Remarks Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall to the Installation Manual. Due to continuing improvement, above specifications may be subject to change without notice. The ambient temperature of the heat source unit needs to be kept below 40°C D.B. The ambient relative humidity of the heat source unit needs to be kept below 80%. The heat source unit should not be installed at outdoor. Be sure to mount a strainer (more than 50 meshes) at the water inlet piping of the unit. Be sure to provide interlocking for the unit operation and water circuit. Install the supplied insulation material to the unused drain-socket. When installing insulation material around both water and refrigerant piping, follow the installation manual.				Joint: CMY-Y102SS/LS-G2, CMY-Y202, 302S-G2		
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				The heat source unit should not be installed at outdoor. Be sure to mount a strainer (more than 50 meshes) at the wate Be sure to provide interlocking for the unit operation and water Install the supplied insulation material to the unused drain-soc When installing insulation material around both water and refri	er inlet piping of the unit. circuit. ket. gerant piping, follow the installa	
				The cooling lower and the water circuit must be a closed circul	t (water is not exposed to the a	unosphere).
Notes: Unit conve						Unit converter

 Notes:
 Unit converter

 1.Nominal cooling conditions (subject to JIS B8615-2) Indoor: 27°CD.B./19°CW.B. (81°FD.B./66°FW.B.), Inlet water temperature: 30°C (86°F)
 BTU/h =kW x 3,412

 cfm = m³/min x 35.31
 cfm = m³/min x 35.31

 2.Nominal heating conditions (subject to JIS B8615-2) Indoor: 20°CD.B. (68°FD.B.), Inlet water temperature: 20°C (68°FD.B.)
 bs = kg/0.4536

 Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)
 *Above specification data is subject to rounding variation.

Model			PQHY-P75		
Power source			3-phase 4-wire 380-		
Cooling capacity	*1	kW	3-pilase 4-wile 380-		
(Nominal)		BTU/h	290,000		
(rtornindi)	Power input	kW	15.64		
	Current input	A	26.4-25.0-24.1		
	EER	kW/kW	5.4		
Temp. range of	Indoor	W.B.	15.0~24.0°C	C (59~75°F)	
cooling	Inlet water	°C	10.0~45.0°C		
Heating capacity	*2	kW	95		
(Nominal)	*2	BTU/h	324,	100	
,	Power input	kW	15.		
	Current input	A	26.8-25	.4-24.5	
	COP	kW/kW	5.9		
Temp. range of	Indoor	D.B.	15.0~27.0°C	C (59~81°F)	
heating	Inlet water	°C	10.0~45.0°C	(50~113°F)	
Indoor unit	Total capacity		50~130% of heat s	ource unit capacity	
connectable	Model/Quantity		P10~P600, M2	20~M140/1~50	
Sound pressure level (m	easured in anechoic room)	dB <a>	5		
Sound power level (mea	,	dB <a>	6		
Refrigerant	Liquid pipe	mm (in.)	19.05 (3/4		
piping diameter	Gas pipe	mm (in.)	34.93 (1-3/		
Set Model		/			
Model			PQHY-P400YLM-A1	PQHY-P350YLM-A1	
Circulating water	Water flow rate	m ³ /h	7.20 +		
C. Coloring Water		L/min	120 +		
	December 1	cfm	4.2 +		
	Pressure drop	kPa	44	44	
	Operating volume range	m ³ /h	4.5 + 4.5 ~	11.6 + 11.6	
Compressor	Туре		Inverter scroll hermetic compressor	Inverter scroll hermetic compressor	
	Starting method		Inverter	Inverter	
	Motor output	kW	10.7	9.5	
	Case heater	kW	-	-	
	Lubricant		MEL32	MEL32	
External finish			Galvanized steel sheets	Galvanized steel sheets	
External dimension H x \	N x D	mm	1.450 x 880 x 550	1.450 x 880 x 550	
		in.	57-1/8 x 34-11/16 x 21-11/16	57-1/8 x 34-11/16 x 21-11/16	
Protection devices	High pressure protection			High pressure sensor, High pressure switch at 4.15 MPa (60 psi)	
	Inverter circuit (COMP.)		Over-heat protection, Over-current protection	Over-heat protection, Over-current protection	
	Compressor		Over-heat protection	Over-heat protection	
Definement	· ·				
Refrigerant	Type x original charge		R410A x 6.0 kg (14 lbs) R410A x 6.0 kg (14 lbs)		
	Control		LEV and H		
Net weight		kg (lbs)	214 (472)	214 (472)	
Heat exchanger		1	plate type	plate type	
	Water volume in plate	I	5.0	5.0	
	Water pressure Max.	MPa	2.0	2.0	
HIC circuit (HIC: Heat Int	er-Changer)		Copper pipe, tube-in-tube structure	Copper pipe, tube-in-tube structure	
Pipe between unit and	Liquid pipe	mm (in.)	15.88 (5/8) Brazed	15.88 (5/8) Brazed	
distributor	Gas pipe	mm (in.)	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	
Drawing	External		KL94	C242	
-	Wiring		KE94G420	KE94G420	
Standard attachment	Document		Installatio		
	Accessory		Refrigerant		
Ontional parts	nucesoury		-		
Optional parts			Heat Source Twinning		
			Joint: CMY-Y102SS/LS-C		
			Header: CMY-Y1		
Remarks			Details on foundation work, duct work, insulation work, electrica to the Installation Manual. Due to continuing improvement, above specifications may be s The ambient temperature of the heat source unit needs to be k The ambient relative humidity of the heat source unit needs to The heat source unit should not be installed at outdoor. Be sure to mount a strainer (more than 50 meshes) at the wate Be sure to provide interlocking for the unit operation and water Install the supplied insulation material to the unused drain-sock	ubject to change without notice. ept below 40°C D.B. be kept below 80%. er inlet piping of the unit. circuit. tet.	
			When installing insulation material around both water and refric The cooling tower and the water circuit must be a closed circuit		

 Notes:
 Unit converter

 1.Nominal cooling conditions (subject to JIS B8615-2) Indoor: 27°CD.B./19°CW.B. (81°FD.B./66°FW.B.), Inlet water temperature: 30°C (86°F)
 BTU/h =kW × 3,412 cfm =m³/min x 35.31

 Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)
 Ibs =kg/0.4536

 Indoor: 20°CD.B. (68°FD.B.), Inlet water temperature: 20°C (66°FD.B.)
 Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)

 Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)
 *Above specification data is subject to rounding variation.

Madal			F =111/2	0.VOI M A4		
Model			PQHY-P80			
Power source		1	3-phase 4-wire 380-			
Cooling capacity		kW	90.0			
(Nominal)		BTU/h	307			
	Power input	kW	16			
	Current input	A	27.9-26			
	EER	kW/kW		5.43		
Temp. range of	Indoor	W.B.	15.0~24.0°0	, ,		
cooling	Inlet water	°C	10.0~45.0°C			
Heating capacity		kW	1	0.0		
(Nominal)		BTU/h	341			
	Power input	kW	16			
	Current input	A	28.2-26			
	COP	kW/kW	5.			
Temp. range of	Indoor	D.B.	15.0~27.0°0	C (59~81°F)		
heating	Inlet water	°C	10.0~45.0°C			
Indoor unit	Total capacity		50~130% of heat s	ource unit capacity		
connectable	Model/Quantity		P10~P600, M2	20~M140/1~50		
Sound pressure level (m	neasured in anechoic room)	dB <a>	5	5		
Sound power level (mea	sured in anechoic room)	dB <a>	6	9		
Refrigerant	Liquid pipe	mm (in.)	19.05 (3/-	4) Brazed		
piping diameter	Gas pipe	mm (in.)	34.93 (1-3	/8) Brazed		
Set Model						
Model			PQHY-P400YLM-A1	PQHY-P4	400YLM-A1	
Circulating water	Water flow rate	m ³ /h	7.20 -	+ 7.20		
Ū.		L/min	120 -	+ 120		
		cfm	4.2			
	Pressure drop	kPa	44		44	
					44	
	Operating volume range	m ³ /h	4.5 + 4.5 ~			
Compressor	Туре		Inverter scroll hermetic compressor		rmetic compressor	
	Starting method		Inverter	Inv	rerter	
	Motor output	kW	10.7	1	0.7	
	Case heater	kW	-		-	
	Lubricant		MEL32	ME	EL32	
External finish			Galvanized steel sheets	Galvanized	steel sheets	
External dimension H x	WxD	mm	1,450 x 880 x 550	1.450 x	880 x 550	
		in.	57-1/8 x 34-11/16 x 21-11/16		1/16 x 21-11/16	
Protection devices	High pressure protection		High pressure sensor, High pressure switch at 4.15 MPa (601 psi)	High pressure sensor, High pr		
	Inverter circuit (COMP.)		Over-heat protection, Over-current protection		Over-current protection	
	Compressor		Over-heat protection		t protection	
Refrigerant	Type x original charge		R410A x 6.0 kg (14 lbs)			
Reingerant	Control		R410A x 6.0 kg (14 lbs) LEV and HIC circuit		.0 kg (14 lbs)	
	Control				(170)	
Net weight		kg (lbs)	214 (472)		(472)	
Heat exchanger			plate type	plat	e type	
	Water volume in plate	I	5.0		5.0	
	Water pressure Max.	MPa	2.0		2.0	
HIC circuit (HIC: Heat In	iter-Changer)		Copper pipe, tube-in-tube structure	Copper pipe, tub	e-in-tube structure	
Pipe between unit and	Liquid pipe	mm (in.)	15.88 (5/8) Brazed	15.88 (5	/8) Brazed	
listributor	Gas pipe	mm (in.)	28.58 (1-1/8) Brazed	,	1/8) Brazed	
Drawing	External		KL94			
	Wiring		KE94G420	-	4G420	
Standard attackment	, , , , , , , , , , , , , , , , , , ,				70720	
Standard attachment	Document		Installatio			
	Accessory		· · · · · ·	conn. pipe		
Optional parts				g kit: CMY-Y200VBK2		
			Joint: CMY-Y102SS/LS-G2, CMY-Y202, 302S-G2			
			Header: CMY-Y1	04, 108, 1010-G		
Remarks			Details on foundation work, duct work, insulation work, electrica to the Installation Manual. Due to continuing improvement, above specifications may be s The ambient temperature of the heat source unit needs to be The ambient relative humidity of the heat source unit needs to The heat source unit should not be installed at outdoor. Be sure to mount a strainer (more than 50 meshes) at the wate Be sure to provide interlocking for the unit operation and water	subject to change without notice tept below 40°C D.B. be kept below 80%. er inlet piping of the unit. circuit.		
			Install the supplied insulation material to the unused drain-soct When installing insulation material around both water and refri The cooling tower and the water circuit must be a closed circuit	gerant piping, follow the installa		
Notes:					Unit converter	

 Notes:
 Unit converter

 1.Nominal cooling conditions (subject to JIS B8615-2) Indoor: 27°CD.B./19°CW.B. (81°FD.B./66°FW.B.), Inlet water temperature: 30°C (86°F)
 BTU/h
 =kW x 3,412

 cfm
 =m³/min x 35.31
 Ibs
 =kg/0.4536

 J.Nominal heating conditions (subject to JIS B8615-2) Indoor: 20°CD.B. (68°FD.B.), Inlet water temperature: 20°C (68°FD.B.)
 Ibs
 =kg/0.4536

 Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)
 *Above specification data is subject to rounding variation.

Model						
Power source			PQHY-P850YSLM-A1 3-phase 4-wire 380-400-415 V 50/60 Hz			
Power source Cooling capacity *1 kW			3-pnase 4-wire 380-400-415 V 50/60 Hz 96.0			
0 1 9		BTU/h	30.0			
(Hornindi)	Power input	kW	18.03			
	Current input	A	30.4-28.9-27.8			
	EER	kW/kW	5.32			
Temp. range of	Indoor	W.B.	15.0~24.0°C	C (59~75°F)		
cooling	Inlet water	°C	10.0~45.0°C	(50~113°F)		
Heating capacity	*2	kW	108.0			
(Nominal)	*2	BTU/h	368,500			
· · ·	Power input	kW	18.49			
	Current input	А	31.2-29.6-28.5			
	COP	kW/kW	5.84			
Temp. range of	Indoor	D.B.	15.0~27.0°C	C (59~81°F)		
heating	Inlet water	°C	10.0~45.0°C (50~113°F)			
Indoor unit	Total capacity		50~130% of heat source unit capacity			
connectable Model/Quantity			P10~P600, M20~M140/1~50			
Sound pressure level (m	easured in anechoic room)	dB <a>	5	6		
Sound power level (mea	sured in anechoic room)	dB <a>	71	.5		
Refrigerant	Liquid pipe mm (in.)		19.05 (3/4) Brazed			
piping diameter	Gas pipe	mm (in.)				
Set Model		/				
Model			PQHY-P450YLM-A1	PQHY-P400YLM-A1		
Circulating water	Water flow rate	m ³ /h	7.20 +			
		L/min	120 +			
		cfm				
	Des serves des e		4.2 + 4.2			
	Pressure drop	kPa 3	44	44		
	Operating volume range	m ³ /h	4.5 + 4.5 ~			
Compressor	Туре		Inverter scroll hermetic compressor	Inverter scroll hermetic compressor		
	Starting method		Inverter	Inverter		
	Motor output	kW	11.6	10.7		
	Case heater	kW	-	-		
	Lubricant		MEL32	MEL32		
External finish	•		Galvanized steel sheets	Galvanized steel sheets		
External dimension H x \	V x D	mm	1.450 x 880 x 550	1.450 x 880 x 550		
		in.	57-1/8 x 34-11/16 x 21-11/16	57-1/8 x 34-11/16 x 21-11/16		
Protection devices	High pressure protection			High pressure sensor, High pressure switch at 4.15 MPa (6 psi)		
	Inverter circuit (COMP.)		Over-heat protection, Over-current protection	Over-heat protection, Over-current protection		
	Compressor		Over-heat protection	Over-heat protection		
Refrigerant	Type x original charge					
Reingerant	Control		R410A x 6.0 kg (14 lbs) LEV and HIC circuit			
		ka (lha)				
Net weight		kg (lbs)	214 (472)	214 (472)		
Heat exchanger		1.	plate type	plate type		
	Water volume in plate	<u> </u>	5.0	5.0		
	Water pressure Max.	MPa	2.0	2.0		
HIC circuit (HIC: Heat Int	ter-Changer)	·	Copper pipe, tube-in-tube structure	Copper pipe, tube-in-tube structure		
Pipe between unit and	Liquid pipe	mm (in.)	15.88 (5/8) Brazed	15.88 (5/8) Brazed		
distributor	Gas pipe	mm (in.)	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed		
Drawing	External		KL94C242			
Ŭ	Wiring		KE94G420 KE94G420			
Standard attachment	Document		Installation Manual			
	Accessory		Refrigerant conn. pipe			
Optional parts			Heat Source Twinning kit: CMY-Y200VBK2			
Optional parts			Joint: CMY-Y102SS/LS-G2, CMY-Y202, 302S-G2			
			Header: CMY-Y104, 108, 1010-G			
Remarks			Header: CMY-Y1 Details on foundation work, duct work, insulation work, electrica			
			to the Installation Manual. Due to continuing improvement, above specifications may be s The ambient temperature of the heat source unit needs to be k The ambient relative humidity of the heat source unit needs to The heat source unit should not be installed at outdoor. Be sure to mount a strainer (more than 50 meshes) at the wate Be sure to provide interlocking for the unit operation and water Install the supplied insulation material to the unused drain-sock	ubject to change without notice. ept below 40°C D.B. be kept below 80%. r inlet piping of the unit. circuit. et.		
			When installing insulation material around both water and refric The cooling tower and the water circuit must be a closed circuit			

 Notes:
 Unit converter

 1.Nominal cooling conditions (subject to JIS B8615-2) Indoor: 27°CD.B./19°CW.B. (81°FD.B./66°FW.B.), Inlet water temperature: 30°C (86°F)
 BTU/h
 =kW x 3,412

 cfm
 =m³/min x 35.31

 Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)
 Ibs
 =kg/0.4536

 Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)
 *Above specification data is subject to rounding variation.

Model			PQHY-P900YSLM-A1			
Power source			3-phase 4-wire 380-400-415 V 50/60 Hz			
Cooling capacity *1 kW			101.0			
(Nominal)	*1	BTU/h	344,600			
	Power input	kW	19.38			
	Current input	А	32.7-31.0-29.9			
	EER	kW/kW	5.21			
Temp. range of	Indoor	W.B. 15.0~24.0°C (59~75°F)				
cooling	Inlet water	°C	10.0~45.0°C	(50~113°F)		
Heating capacity *2 kW		113.0				
(Nominal)	*2	BTU/h	385,600			
	Power input	kW	19.74			
	Current input	А	33.3-31.6-30.5			
	COP	kW/kW	5.7	72		
Temp. range of	Indoor	D.B.	15.0~27.0°C (59~81°F)			
heating	Inlet water	°C	10.0~45.0°C (50~113°F)			
Indoor unit	Total capacity		50~130% of heat source unit capacity			
connectable Model/Quantity			P10~P600, M20~M140/1~50			
Sound pressure level (m	easured in anechoic room)	dB <a>	5	7		
	sured in anechoic room)	dB <a>	7			
Refrigerant	Liquid pipe	mm (in.)	19.05 (3/-			
piping diameter	Gas pipe	mm (in.)	41.28 (1-5			
Set Model		/				
Model			PQHY-P450YLM-A1	PQHY-P4	50YLM-A1	
Circulating water	Water flow rate	m ³ /h	7.20 -			
		L/min	120 -			
	cfm		4.2 + 4.2			
	Dressurs drep	kPa				
	Pressure drop		44		44	
	Operating volume range	m ³ /h	4.5 + 4.5 ~			
Compressor	Туре		Inverter scroll hermetic compressor	Inverter scroll he	rmetic compressor	
	Starting method		Inverter	Inv	erter	
	Motor output	kW	11.6	1	1.6	
	Case heater	kW	-		-	
	Lubricant		MEL32	ME	EL32	
External finish			Galvanized steel sheets	Galvanized	steel sheets	
External dimension H x	N x D	mm	1.450 x 880 x 550		880 x 550	
		in.	57-1/8 x 34-11/16 x 21-11/16			
Protection devices	High pressure protection			57-1/8 x 34-11/16 x 21-11/16 High pressure sensor, High pressure switch at 4.15 MPa psi)		
	Inverter circuit (COMP.)		Over-heat protection, Over-current protection		Over-current protection	
	Compressor		Over-heat protection		•	
Refrigerant				Over-heat protection		
Reingerant	Type x original charge		R410A x 6.0 kg (14 lbs) R410A x 6.0 kg (14 lbs)		0 kg (14 lbs)	
Control			LEV and HIC circuit		(1-2)	
Net weight		kg (lbs)	214 (472)		(472)	
Heat exchanger		1	plate type		e type	
	Water volume in plate	1	5.0		5.0	
	Water pressure Max.	MPa	2.0	2	2.0	
HIC circuit (HIC: Heat In	ter-Changer)		Copper pipe, tube-in-tube structure	Copper pipe, tub	e-in-tube structure	
Pipe between unit and	Liquid pipe	mm (in.)	15.88 (5/8) Brazed	15.88 (5	/8) Brazed	
listributor	Gas pipe	mm (in.)	28.58 (1-1/8) Brazed	28.58 (1-	1/8) Brazed	
Drawing	External	/	KL94C242			
5	Wiring		KE94G420 KE94G420			
Standard attachment	Document		Installation Manual			
Ontinuel :	Accessory		Refrigerant conn. pipe			
Optional parts			Heat Source Twinning kit: CMY-Y200VBK2			
			Joint: CMY-Y102SS/LS-G2, CMY-Y202, 302S-G2			
			Header: CMY-Y1	04, 108, 1010-G		
Remarks			Details on foundation work, duct work, insulation work, electrica to the Installation Manual. Due to continuing improvement, above specifications may be s The ambient temperature of the heat source unit needs to be k The ambient relative humidity of the heat source unit needs to The heat source unit should not be installed at outdoor. Be sure to mount a strainer (more than 50 meshes) at the wate Be sure to provide interlocking for the unit operation and water	ubject to change without notice ept below 40°C D.B. be kept below 80%. er inlet piping of the unit. circuit.		
			Install the supplied insulation material to the unused drain-sock			
			Install the supplied insulation material to the unused drain-soct When installing insulation material around both water and refrig The cooling tower and the water circuit must be a closed circuit	perant piping, follow the installa		

 Notes:
 Unit converter

 1.Nominal cooling conditions (subject to JIS B8615-2) Indoor: 27°CD.B./19°CW.B. (81°FD.B./66°FW.B.), lnlet water temperature: 30°C (86°F)
 BTU/h =kW x 3,412

 cfm = m³/min x 35.31
 cfm = m³/min x 35.31

 J.Nominal heating conditions (subject to JIS B8615-2) Indoor: 20°CD.B. (68°FD.B.), lnlet water temperature: 20°C (68°FD.B.)
 bs = kg/0.4536

 Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)
 *Above specification data is subject to rounding variation.