PQRY-P-Y(S)LM-A1

Madal					
Model			PQRY-P200YLM-A1		
Power source		I	3-phase 4-wire 380-400-415 V 50/60 Hz		
Cooling capacity		kW	22.4		
Nominal)	*1		76,400		
	Power input	kW	3.71		
	Current input	А	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)		
		°C			
heating	Inlet water	۰L	10.0~45.0°C (50~113°F)		
Indoor unit	Total capacity		50~150% of heat source unit capacity		
connectable	Model/Quantity	L	P10~P250, M20~M140/1~20		
	neasured in anechoic room)	dB <a>	46		
	sured in anechoic room)	dB <a>	60		
Refrigerant	High pressure	mm (in.)	15.88 (5/8) Brazed		
piping diameter	Low pressure	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	Type	,	Inverter scroll hermetic compressor		
Compressor	Starting method				
		100/	Inverter 4.8		
	Motor output	kW	4.0		
	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		
	Compressor		Over-heat protection		
Refrigerant	Type x original charge		R410A x 5.0 kg (12 lbs)		
	Control		Indoor LEV and BC controller		
Net weight		kg (lbs)	173 (382)		
Heat exchanger			plate type		
	Water volume in plate	1	5.0		
		MPo			
	Water pressure Max.	MPa	2.0		
HIC circuit (HIC: Heat In			-		
Drawing	External		KL94C183		
	Wiring		KE94G420		
Standard attachment	Document		Installation Manual		
	Accessory		Refrigerant conn. pipe		
Optional parts			Joint: CMY-Y102SS/LS-G2, CMY-R160-J1		
			BC controller: CMB-P104, 106, 108, 1012, 1016V-J/CMB-M104, 106, 108, 1012, 1016V-J1		
			Main BC controller: CMB-P108, 1012, 1016V-JA/CMB-P1016V-KA/CMB-M108, 1012, 1016V-JA1/CMB-P1016V-KA1		
			Sub BC controller: CMB-P104, 108V-KB/CMB-M104, 108V-KB1		
Remarks			Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referre 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. The cooling tower and the water circuit must be a closed circuit (water is not exposed to the atmosphere).		

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.)
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.)

Unit converter

=kg/0.4536

*Above specification data is subject to rounding variation.

BTU/h =kW x 3,412 =m³/min x 35.31

cfm lbs

Model			PQRY-P250YLM-A1		
Power source			3-phase 4-wire 380-400-415 V 50/60 Hz		
Cooling capacity	**	kW	28.0		
	**	-	95,500		
Nominal)			4.90		
	Power input	kW			
	Current input	А	8.2-7.8-7.5		
	EER	kW/kW	5.71		
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)		
leating capacity	*******	kW	31.5		
Nominal)	*2	BTU/h	107,500		
,	Power input	kW	5.08		
	· ·	_			
	Current input	A	8.5-8.1-7.8		
	COP	kW/kW	6.20		
Femp. range of	Indoor	D.B.	15.0~27.0°C (59~81°F)		
neating	Inlet water	°C	10.0~45.0°C (50~113°F)		
ndoor unit	Total capacity		50~150% of heat source unit capacity		
connectable	Model/Quantity		P10~P250, M20~M140/1~25		
Sound pressure level (m	neasured in anechoic room)	dB <a>	48		
	,	dB <a>	62		
Refrigerant	High pressure	mm (in.)	19.05 (3/4) Brazed		
piping diameter	Low pressure	mm (in.)	22.2 (7/8) 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		
2010000000					
Compressor	Туре				
	Starting method	1	Inverter		
	Motor output	kW	6.2		
	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	nsi)	
	Inverter circuit (COMP.)		Over-heat protection, Over-current protection	501)	
	, ,				
	Compressor		Over-heat protection		
Refrigerant	Type x original charge		R410A x 5.0 kg (12 lbs)		
	Control		Indoor LEV and BC controller	Indoor LEV and BC controller	
Net weight		kg (lbs)	173 (382)		
Heat exchanger			plate type		
•	Water volume in plate	1	5.0		
	Water pressure Max.	MPa	2.0		
HIC circuit (HIC: Heat In		ivii a	-		
`	ö ,				
Drawing	External		KL94C183		
	Wiring		KE94G420		
Standard attachment	Document		Installation Manual		
	Accessory		Refrigerant conn. pipe		
Optional parts			Joint: CMY-Y102SS/LS-G2, CMY-R160-J1		
			BC controller: CMB-P104, 106, 108, 1012, 1016V-J/CMB-M104, 106, 108,	1012 1016VI1	
			Main BC controller: CMB-P108, 1012, 1016V-JA/CMB-P1016V-KA/CMB-M108, 1012, 10		
			Sub BC controller: CMB-P104, 108V-KB/CMB-M104, 108V-KI		
Remarks			Details on foundation work, duct work, insulation work, electrical wiring, power source switch, to the Installation Manual.	and other items shall be refe	
			Due to continuing improvement, above specifications may be subject to change without notic	ce.	
			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 install		
			The cooling tower and the water circuit must be a closed circuit (water is not exposed to the		
				1	
lotes:				Unit converter	
)		$BTU/h = kW \times 3.412$	

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 lbs

=kW x 3,412 =m³/min x 35.31

=kg/0.4536

*Above specification data is subject to rounding variation.

PQRY-P-Y(S)LM-A1

Madal					
Model			PQRY-P300YLM-A1 3-phase 4-wire 380-400-415 V 50/60 Hz		
Power source					
Cooling capacity		kW	33.5		
(Nominal)	*/		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	**	kW	37.5		
Nominal)	**	BTU/h	128,000		
	Power input	kW	6.25		
	Current input	A	10.5-10.0-9.6		
	COP	kW/kW	6.00		
Temp. range of	Indoor	D.B.	15.0~27.0°C (59~81°F)		
	Inlet water	°C	10.0~45.0°C (50~113°F)		
heating		C			
Indoor unit	Total capacity		50~150% of heat source unit capacity		
connectable	Model/Quantity	15	P10~P250, M20~M140/1~30		
	neasured in anechoic room)	dB <a>	54		
	asured in anechoic room)	dB <a>	68		
Refrigerant	High pressure	mm (in.)	19.05 (3/4) Brazed		
piping diameter	Low pressure	mm (in.)	22.2 (7/8) 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		Inverter scroll hermetic compressor		
Compresses	Starting method		Inverter		
	Motor output	kW	7.7		
	Case heater	kW	1.1		
	-	KVV	-		
	Lubricant		MEL32		
External finish		1	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		
	Compressor		Over-heat protection		
Refrigerant	Type x original charge		R410A x 5.0 kg (12 lbs)		
	Control		Indoor LEV and BC controller		
Net weight		kg (lbs)	173 (382)		
Heat exchanger			plate type		
	Water volume in plate	П	5.0		
	Water pressure Max.	MPa	2.0		
HIC circuit (HIC: Heat Ir		ivii a	2.0		
			- VI 040400		
Drawing	External		KL94C183		
o	Wiring		KE94G420		
Standard attachment	Document		Installation Manual		
	Accessory		Refrigerant conn. pipe		
Optional parts			Joint: CMY-Y102SS/LS-G2, CMY-R160-J1		
			BC controller: CMB-P104, 106, 108, 1012, 1016V-J/CMB-M104, 106, 108, 1012, 1016V-J1		
			Main BC controller: CMB-P108, 1012, 1016V-JA/CMB-P1016V-KA/CMB-M108, 1012, 1016V-JA1/CMB-P1016V-KA1		
			Sub BC controller: CMB-P104, 108V-KB/CMB-M104, 108V-KB1		
Remarks			Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referre		
			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.		
			The fleat 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.		
			Be sure to mount a strainer (more than 50 meshes) at the water inlet piping of the unit.		

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.)
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.)

Unit converter

=kg/0.4536

*Above specification data is subject to rounding variation.

BTU/h =kW x 3,412 =m³/min x 35.31

cfm lbs

Model			PQRY-P350YLM-A1		
Power source			3-phase 4-wire 380-400-415 V 50/60 Hz		
Cooling capacity	**	kW	40.0		
	**	-	136,500		
Nominal)					
	Power input	kW	7.14		
	Current input	A	12.0-11.4-11.0		
	EER	kW/kW	5.60		
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	45.0		
Nominal)	*2	BTU/h	153,500		
,	Power input	kW	7.53		
	· ·	_			
	Current input	A	12.7-12.0-11.6		
	COP	kW/kW	5.97		
Femp. range of	Indoor	D.B.	15.0~27.0°C (59~81°F)		
neating	Inlet water	°C	10.0~45.0°C (50~113°F)		
ndoor unit	Total capacity		50~150% of heat source unit capacity		
connectable	Model/Quantity		P10~P250, M20~M140/1~35		
Sound pressure level (m	neasured in anechoic room)	dB <a>	52		
	,	dB <a>	66		
0	High pressure	mm (in.)	22.2 (7/8) Brazed		
piping diameter	Low pressure	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	44 4.5 ~ 11.6		
2000000000		/	Inverter scroll hermetic compressor		
Compressor	Туре				
	Starting method	-	Inverter		
	Motor output	kW	9.5		
	Case heater	kW	-		
	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	oci)	
	- · · ·			531)	
	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		Indoor LEV and BC controller	Indoor LEV and BC controller	
Net weight	•	kg (lbs)	217 (479)		
Heat exchanger			plate type		
5	Water volume in plate	1	5.0		
		MPa	2.0		
	Water pressure Max.	wra			
HIC circuit (HIC: Heat In	3 ,		-		
Drawing	External		KL94C184		
	Wiring		KE94G420		
Standard attachment	Document		Installation Manual		
	Accessory		Refrigerant conn. pipe		
Optional parts			Joint: CMY-Y102SS/LS-G2, CMY-R160-J1		
			BC controller: CMB-P104, 106, 108, 1012, 1016V-J/CMB-M104, 106, 108,	1012 1016\/11	
			Main BC controller: CMB-P108, 1012, 1016V-JA/CMB-P1016V-KA/CMB-M108, 1012, 10		
			Sub BC controller: CMB-P104, 108V-KB/CMB-M104, 108V-KI		
Remarks			Details on foundation work, duct work, insulation work, electrical wiring, power source switch,	and other items shall be refe	
			to the Installation Manual. Due to continuing improvement, above specifications may be subject to change without notic		
			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 install	lation manual.	
			The cooling tower and the water circuit must be a closed circuit (water is not exposed to the		
lotes:				Unit converter	
	tions (subject to JIS B8615-2			BTII/b =kW x 3 412	

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 lbs

=kW x 3,412 =m³/min x 35.31

=kg/0.4536

*Above specification data is subject to rounding variation.

Sub BC controller: CMB-P104, 108V-KB/CMB-M104, 108V-KB1 Remarks Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be n 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.					
Conting spacing *1 W 400 Prover input W 0.000 0.000 Even input W 0.000 0.000 Terms range of input V 0.000 0.000 0.000 Heards quasards 2 0 0.000 0.000 0.000 Heards quasards 2 0 0.000 <t< th=""><th></th><th></th><th></th><th></th><th></th></t<>					
Image: constraint of the second se	Power source			3-phase 4-wire 380-400-415 V 50/60 Hz	
Processing in pub WW 0.03 Current input A 13:15:12:42:42 EER WWW 5:60 5:60 Indoor WB 10:50:42:07 (5:67:57) Conting Indoor WB 10:50:42:07 (5:67:57) Heating capacity '2 W 0:30:00 (Neurisal) 2 BTUh 10:04:30:00 Core WWW 6:37 Core WWW 5:37 Temps canged I Ador 16:0-20:07 (5:0-1137) Initiating Co 0:0-150% of freat course unit capacity Core MWW 0:0-150% of freat course unit capacity Cond preserve lived (measured in ancholu coron) dB 4:0 0:2 Stand preserve lived (measured in ancholu coron) dB 4:0 0:2 Stand preserve lived (measured in ancholu coron) dB 4:0 0:0 Stand preserve lived (measured in ancholu coron) dB 4:0 0:0 Dirand 12:0 0:0 0:0 Coronersov If-preserve anchou MB 4:0 0:0	Cooling capacity	**	kW	45.0	
	(Nominal)	*	BTU/h	153,500	
EE WMW 5:00 Integer range of before With 15:00-40 (C (50-757)) cooling Inter water C 10:0-45.0°C (50-757) Intering range of before input. 2 With 10:0-45.0°C (50-1377) Intering range of Carrier liquid. A 14:13:2:2.9 Corp RWW 5:87 Temp: range of before D.B. 10:0-45.0°C (50-1137) Intering Intering Intering Intern unit Co Co Co Sound proseure low (intersared in anerobic corn) Idt <a< td=""> Co Sound proseure low (intersared in anerobic corn) Idt <a< td=""> Co</a<></a<>		Power input	kW	8.03	
Insp. range of least water Mode WB. 15.0-24.0° (92-76°) Heating capacity (Nemina) 2 2 2 30.0 50.0 Nemina (apport) 2 31.0 170.6 50.0 Tamp, range of least water 2 31.0 170.6 5.97 Tamp, range of least water 0.0 0.8 15.0-27.0° (50-113°) 1 Indion (infl) Color 0.8 15.0-27.0° (50-113°) 1 Indion (infl) Total capacity 9.4 5.0-27.0° (50-113°) 1 Stand pressure (seef (inseasured in anechoic room) 84.5 64 66 1 Stand pressure (seef (inseasured in anechoic room) 84.5 62 66 1 1 1 1 1 1 1 1 1 1		Current input	A	13.5-12.8-12.4	
Initialization Initialization Initialization 1 2 2 1000 1000 Nominal) 2 2 1000 1000 1000 Comment inpud AV 10000 10		EER	kW/kW	5.60	
Heating capacity ** BW 0.0 (Komina) ** 2 BT/h 170.000 (Komina) ** 2 BT/h 170.000 Current input A 14.113.412.9 Composition	Temp. range of	Indoor	W.B.	15.0~24.0°C (59~75°F)	
Nearing appurtly '2 WW 90.0 Nominal) 2 2 171h 170.000 Current Input A 14.113.412.9 Corporation Corporation Corporation 6.37 Corporation Corporation Corporation 6.37 Corporation C	cooling	Inlet water	°C	10.0~45.0°C (50~113°F)	
Nominal \cdot <	,	*/	2 kW		
Bener input W 8.37 Corrent input A 14.13.412.9 Corrent input A 14.13.412.9 COP WNW 5.97 Temp, range of Indoor D.8. 15.0–27.07 (60–61°F) Indoor unit Total capacity Bo-100% of heat source unit capacity Correctable Model/County D10–45.0% of heat source unit capacity Sound power level (measured in anechoic room) 89.40 52 Sound power level (measured in anechoic room) 89.40 68 Reingrant High pressure in mn (n.) 22.53 (10.9) Brazed Digning damated Low pressure in mn (n.) 26.95 (1-0.9) Brazed Circulating water Water flow rate m ^{3/h} Circulating water Water flow rate m ^{3/h} Circulating water Inoretare Model Moder output W 10.7 Capacity Inoretare Medicion and the another output Moder output WW 10.7 Case head W NO 1.7 Case head W NO <	• • •		-		
	(Horninal)				
COP WWW 9.97 Indeor D.B. 15.5-27.07 (58-51°F) having Intervalue C 10.0-45.0° C (30-113°F) having Total capacity 50-150% of fixed source und capacity Sound pose level (measured in anexhor room) dB <a> 0.0 Sound pose level (measured in anexhor room) dB <a> 0.0 Refrigerant High pressure mm (n.) 22.2 (7/B) Brazed pping diamiter Low pressure mm (n.) 22.2 (7/B) Brazed Circulating valet Water flow rate m³/h 7.20 Circulating valet Water flow rate m³/h 4.2 Pressure droop KPa 0.0 4.2 Pressure droop KPa 0.0 0.0 More output KW 10.7 1.0 Case header WW 0.1 1.0 External finish Indior output WW 0.1 Case header WW 0.1 1.0 Case header MW 0.1 1.0		· · · · · · · · · · · · · · · · · · ·	-		
Temp, range of Ineating Index D.B. 15.0-27.07 (50-117) Index und Index und Index und Commentable Total aqueby C 10.0-45.07 (20-1137) Index und Commentable Model/Quantity PI-0-120.0102-01107-00 S2 Sound presser level (messured in an exchoir corm) dB <a> S2 Sound presser level (messured in an exchoir corm) dB <a> 66 Refigerant High pressure mn (h.) 22.2 (78) Brazed Dirac definition B 7.20 Commentable Cinculating water Water for rate mth 7.20 Cinculating water Water for rate mth 7.20 Cinculating water Water for rate mth 4.2 Pressure drop µPa 4.4 10 Operating volume range mth 1.450 ressor 10.70 Cang header WW 10.7 Cange header W Compressor mm 1.450 ressor showed 1.450 ressor showed Total appressor Motor output W W 1.450 ressor showed			-		
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Wiring KE94G420 Standard attachment Document Installation Manual Accessory Refrigerant conn. pipe Optional parts Joint: CMY-Y102SS/LS-G2, CMY-R160-J1 Main BC controller: CMB-P108, 1012, 1016V-JA/CMB-P1016V-KA/CMB-M108, 1012, 1016V-JA1/CMB-P1016V-F Sub BC controller: CMB-P104, 108V-KB/CMB-M104, 108V-KB1 Remarks Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be r 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.	,			-	
Standard attachment Document Installation Manual Accessory Refrigerant conn. pipe Optional parts Joint: CMY-Y102SS/LS-G2, CMY-R160-J1 Main BC controller: CMB-P108, 1012, 1016V-JA/CMB-P1016V-KA/CMB-M108, 1012, 1016V-JA1/CMB-P1016V-F Sub BC controller: CMB-P104, 108V-KB/CMB-M104, 108V-KB1 Remarks Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be r to the Installation Manual. Due to continuing improvement, above specifications 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 ambient relative numidity 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.	Drawing				
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Main BC controller: CMB-P108, 1012, 1016V-JA/CMB-P1016V-KA/CMB-M108, 1012, 1016V-JA1/CMB-P1016V-K Sub BC controller: CMB-P104, 108V-KB/CMB-M104, 108V-KB1 Remarks Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be r 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.		Accessory		Refrigerant conn. pipe	
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Install the supplied insulation material to the unused drain-socket. When installing insulation material around both water and refrigerant piping, follow the installation manual.	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.	e.
The cooling tower and the water circuit must be a closed circuit (water is not exposed to the atmosphere). Notes: Unit converter	Notes:				atmosphere).

 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			PQRY-P450YLM-A1		
Power source			3-phase 4-wire 380-400-415 V 50/60 Hz		
	*1	kW	50.0		
	*1	-	170,600		
nominal)					
		kW	9.29		
		А	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)		
Temp. range of Indoor cooling Inlet water Heating capacity (Nominal) Power input Current input COP		kW	56.0		
Nominal) *2 BTU/I		BTU/h	191,100		
· · · · · · · · · · · · · · · · · · ·		-	9.79		
	· ·	_			
		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)		
neating	Inlet water	°C	10.0~45.0°C (50~113°F)		
ndoor unit	Total capacity		50~150% of heat source unit capacity		
connectable	Model/Quantity		P10~P250, M20~M140/1~45		
	neasured in anechoic room)	dB <a>	54		
	,	dB <a>	70		
	asured in anechoic room)				
Refrigerant	High pressure	mm (in.)			
piping diameter	Low pressure	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		
<u></u>		111 /11			
Compressor Type			Inverter scroll hermetic compressor		
	Starting method		Inverter		
	Motor output	kW	11.6		
	Case heater	kW	-		
	Lubricant		MEL32		
External finish	- I		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	Llink processes protection				
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 6.0 kg (14 lbs)		
	Control		Indoor LEV and BC controller		
Net weight	- I	kg (lbs)	217 (479)		
Heat exchanger			plate type		
	Water volume in plate	1	5.0		
	Water volume in plate				
	Water pressure Max.	MPa	2.0		
HIC circuit (HIC: Heat In	- · ·		-		
Drawing	External		KL94C184		
	Wiring		KE94G420		
Standard attachment	Document		Installation Manual		
	Accessory		Refrigerant conn. pipe		
Optional parts	,		Joint: CMY-Y102SS/LS-G2, CMY-R160-J1		
יףיטיומו אמונס			Joint: CMY-Y 102SS/LS-G2, CMY-R 160-J1 Main BC controller: CMB-P108, 1012, 1016V-JA/CMB-P1016V-KA/CMB-M108, 1012, 10 Sub BC controller: CMB-P104, 108V-KB/CMB-M104, 108V-KE		
Remarks			Details on foundation work, duct work, insulation work, electrical wiring, power source switch, is to the Installation Manual. Due to continuing improvement, above specifications may be subject to change without notic 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 manual.	
			The cooling tower and the water circuit must be a closed circuit (water is not exposed to the a	aunosphere).	
lotes:				Unit converter	
				Offic 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 =kW x 3,412 =m³/min x 35.31

=kg/0.4536

*Above specification data is subject to rounding variation.

cfm lbs

Model			PQRY-P500YLM-A1	
Power source			3-phase 4-wire 380-400-415 V 50/60 Hz	
Cooling capacity	*1	kW	56.0	
(Nominal)		BTU/h	191,100	
(Nominal)	Power input	kW	11.17	
		A	18.8-17.9-17.2	
	Current input			
	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)	Nominal) *2 BTU/I		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	-	50~150% of heat source unit capacity	
connectable	Model/Quantity		P10~P250, M20~M140/1~50	
	easured in anechoic room)	dB <a>	F 10~F230, W20~W140/1~50 54	
Sound power level (meas	,	dB <a>	70.5	
Refrigerant	High pressure	mm (in.)	22.2 (7/8) Brazed	
piping diameter	Low pressure	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	13.0	
	Case heater	kW		
	Lubricant		MEL32	
External finish	Lubricant		Galvanized steel sheets	
	Mu D			
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 psi)	
	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		Indoor LEV and BC controller	
Net weight		kg (lbs)	217 (479)	
Heat exchanger		•	plate type	
-	Water volume in plate	I	5.0	
	Water pressure Max.	MPa	2.0	
HIC circuit (HIC: Heat Int		I	•	
Drawing	External		KL94C184	
2. 41119	Wiring		KE94G420	
Standard attackment				
Standard attachment	Document		Installation Manual	
	Accessory		Refrigerant conn. pipe	
Optional parts			Joint: CMY-Y102SS/LS-G2, CMY-R160-J1 Main BC controller: CMB-P108, 1012, 1016V-JA/CMB-P1016V-KA/CMB-M108, 1012, 1016V-JA1/CMB-P1016V-KA1 Sub BC controller: CMB-P104, 108V-KB/CMB-M104, 108V-KB1	
Remarks			Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred	
			 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

 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)
 efm
 =m³/min x 35.31

 Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)
 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 rounding variation.

Model Power source Cooling capacity			PQRY-P550YLM-A1	
			3-phase 4-wire 380-400-415 V 50/60 Hz	
	*4	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	kW	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		50~150% of heat source unit capacity	
connectable	Model/Quantity		P10~P250, M20~M140/2~50	
	neasured in anechoic room)	dB <a>	56.5	
	asured in anechoic room)	dB <a>	71.5	
· · · · · · · · · · · · · · · · · · ·			22.2 (7/8) Brazed (28.58 (1-1/8) Brazed for the part that exceeds 6	85 m)
•		mm (in.)		00 HIJ
piping diameter	Low pressure	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	Туре		Inverter scroll hermetic compressor	
Comprocess	Starting method		Inverter	
	Motor output kW			
	· · · · ·		15.0	
	Case heater	kW	0.045 (240 V)	
	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 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)	
Reingerant				
	Control		Indoor LEV and BC controller	
Net weight		kg (lbs)	247 (545)	
Heat exchanger			plate type	
	Water volume in plate	1	10.0	
	Water pressure Max.	MPa	2.0	
HIC circuit (HIC: Heat In	nter-Changer)			
,			KL94C185	
,	External		KL94C185 KE94G420	
Drawing	External Wiring		KE94G420	
,	External Wiring Document		KE94G420 Installation Manual	
Drawing Standard attachment	External Wiring		KE94G420 Installation Manual Refrigerant conn. pipe	
Drawing	External Wiring Document		KE94G420 Installation Manual	
Drawing Standard attachment	External Wiring Document		KE94G420 Installation Manual Refrigerant conn. pipe	
Drawing Standard attachment	External Wiring Document		KE94G420 Installation Manual Refrigerant conn. pipe	16V-JA1/CMB-P1016V-KA1
Drawing Standard attachment	External Wiring Document		KE94G420 Installation Manual Refrigerant conn. pipe Joint: CMY-Y102SS/LS-G2, CMY-R160-J1 Main BC controller: CMB-P108, 1012, 1016V-JA/CMB-P1016V-KA/CMB-M108, 1012, 10	
Drawing Standard attachment Optional parts	External Wiring Document		KE94G420 Installation Manual Refrigerant conn. pipe Joint: CMY-Y102SS/LS-G2, CMY-R160-J1 Main BC controller: CMB-P108, 1012, 1016V-JA/CMB-P1016V-KA/CMB-M108, 1012, 10 Sub BC controller: CMB-P104, 108V-KB/CMB-M104, 108V-KE	31
Drawing Standard attachment	External Wiring Document		KE94G420 Installation Manual Refrigerant conn. pipe Joint: CMY-Y102SS/LS-G2, CMY-R160-J1 Main BC controller: CMB-P108, 1012, 1016V-JA/CMB-P1016V-KA/CMB-M108, 1012, 10	31
Drawing Standard attachment Optional parts	External Wiring Document		KE94G420 Installation Manual Refrigerant conn. pipe Joint: CMY-Y102SS/LS-G2, CMY-R160-J1 Main BC controller: CMB-P108, 1012, 1016V-JA/CMB-P1016V-KA/CMB-M108, 1012, 10 Sub BC controller: CMB-P104, 108V-KB/CMB-M104, 108V-KE 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 notic	31 and other items shall be refer
Drawing Standard attachment Optional parts	External Wiring Document		KE94G420 Installation Manual Refrigerant conn. pipe Joint: CMY-Y102SS/LS-G2, CMY-R160-J1 Main BC controller: CMB-P108, 1012, 1016V-JA/CMB-P1016V-KA/CMB-M108, 1012, 10 Sub BC controller: CMB-P104, 108V-KB/CMB-M104, 108V-KE 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 notic The ambient temperature of the heat source unit needs to be kept below 40°C D.B.	31 and other items shall be refer
Drawing Standard attachment Optional parts	External Wiring Document		KE94G420 Installation Manual Refrigerant conn. pipe Joint: CMY-Y102SS/LS-G2, CMY-R160-J1 Main BC controller: CMB-P108, 1012, 1016V-JA/CMB-P1016V-KA/CMB-M108, 1012, 10 Sub BC controller: CMB-P104, 108V-KB/CMB-M104, 108V-KE 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 notic 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%.	31 and other items shall be refer
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Drawing Standard attachment Optional parts	External Wiring Document		KE94G420 Installation Manual Refrigerant conn. pipe Joint: CMY-Y102SS/LS-G2, CMY-R160-J1 Main BC controller: CMB-P108, 1012, 1016V-JA/CMB-P1016V-KA/CMB-M108, 1012, 10 Sub BC controller: CMB-P104, 108V-KB/CMB-M104, 108V-KE 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 heat source unit needs to be kept below 80%. The heat source unit needs to be kept below 80%. 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	31 and other items shall be refer e. ation manual.
Drawing Standard attachment Optional parts	External Wiring Document		KE94G420 Installation Manual Refrigerant conn. pipe Joint: CMY-Y102SS/LS-G2, CMY-R160-J1 Main BC controller: CMB-P108, 1012, 1016V-JA/CMB-P1016V-KA/CMB-M108, 1012, 10 Sub BC controller: CMB-P104, 108V-KB/CMB-M104, 108V-KE 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 notic: 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 to the unused drain-socket. When the high pressure piping length is 65 m or less, use 22.2 (7(8) pipe. When the high pressure piping length is 65 m or less, use 22.2 (7(8) pipe. When the high pressure piping length is 65 m or less, use 22.2 (7(8) pipe. When the high pressure piping length is 65 m or less, use 22.2 (7(8) pipe.	31 and other items shall be refer e. ation manual.
Drawing Standard attachment Optional parts	External Wiring Document		KE94G420 Installation Manual Refrigerant conn. pipe Joint: CMY-Y102SS/LS-G2, CMY-R160-J1 Main BC controller: CMB-P108, 1012, 1016V-JA/CMB-P1016V-KA/CMB-M108, 1012, 10 Sub BC controller: CMB-P104, 108V-KB/CMB-M104, 108V-KE 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 heat source unit needs to be kept below 80%. The heat source unit needs to be kept below 80%. 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	31 and other items shall be refer e. ation manual. ssure piping length exceeds

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

MEES21K154

Model			PQRY-P600YLM-A1	
Power source			3-phase 4-wire 380-400-415 V 50/60 Hz	
Cooling capacity	*1	kW	69.0	
(Nominal)	*1	BTU/h	235,400	
	Power input	kW	14.49	
	Current input	А	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	*2	kW	76.5	
(Nominal)		BTU/h	261,000	
()	Power input	kW	14.51	
Current input A			24.4-23.2-22.4	
	COP	kW/kW	5.27	
- <i>'</i>				
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		50~150% of heat source unit capacity	
connectable	Model/Quantity		P10~P250, M20~M140/2~50	
Sound pressure level (m	easured in anechoic room)	dB <a>	56.5	
Sound power level (mea	sured in anechoic room)	dB <a>	73	
Refrigerant	High pressure	mm (in.)	22.2 (7/8) Brazed (28.58 (1-1/8) Brazed for the part that exceeds 6	65 m)
piping diameter	Low pressure	mm (in.)	34.93 (1-3/8) Brazed	,
Circulating water	Water flow rate	m ³ /h	11.52	
Uncurating water	water now rate	L/min	192	
		cfm	6.8	
	Pressure drop	kPa	45	
	Operating volume range	m ³ /h	6.0 ~ 14.4	
Compressor	Туре		Inverter scroll hermetic compressor	
	Starting method		Inverter	
	Motor output kW		16.1	
	Case heater	kW	0.045 (240 V)	
	Lubricant		MEL32	
External finish	Lubricant		Galvanized steel sheets	
	ND			
External dimension H x	W X D	mm	1,450 x 880 x 550	
	T	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		Indoor LEV and BC controller	
Net weight		kg (lbs)	247 (545)	
Heat exchanger			plate type	
	Water volume in plate	1	10.0	
		MPo		
	Water pressure Max.	MPa	2.0	
HIC circuit (HIC: Heat In	2 /		-	
Drawing	External		KL94C185	
	Wiring		KE94G420	
Standard attachment	Document		Installation Manual	
	Accessory		Refrigerant conn. pipe	
Optional parts			Joint: CMY-Y102SS/LS-G2, CMY-R160-J1	
			Main BC controller: CMB-P108, 1012, 1016V-JA/CMB-P1016V-KA/CMB-M108, 1012, 10 Sub BC controller: CMB-P104, 108V-KB/CMB-M104, 108V-KB	
Remarks			Details on foundation work, duct work, insulation work, electrical wiring, power source switch, a to the Installation Manual.	
			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 When the high pressure piping length is 65 m or less, use 22.2 (7/8) pipe. When the high pres 65 m, use 22.2 (7/8) pipe until 65 m, use 28.58 (1-1/8) pipe for the part that exceeds 65 m.	ition manual.
			The cooling tower and the water circuit must be a closed circuit (water is not exposed to the a	tmosphere).
Notes:				Unit converter

 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)
 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

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

Model			PQRY-P400YSLM-A1		
			3-phase 4-wire 380-400-415 V 50/60 Hz		
Power source		1			
Cooling capacity		kW	45.0		
(Nominal)		BTU/h	153		
	Power input	kW	7.		
	Current input	A	12.9-12.3-11.9		
	EER	kW/kW	5.	84	
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	50	0.0	
Nominal)	**	BTU/h	170,600		
(tottinida)	Power input	kW	7.		
	Current input	A	13.4-12		
	COP	kW/kW	13.4-12		
- ,					
Temp. range of	Indoor D.B. Inlet water °C		15.0~27.0°0	. ,	
heating	Inlet water	°C	10.0~45.0°C		
Indoor unit	Total capacity		50~150% of heat s	ource unit capacity	
connectable Model/Quantity			P10~P250, M2	20~M140/1~40	
Sound pressure level (me	easured in anechoic room)	dB <a>	4	9	
Sound power level (meas	,	dB <a>	6	3	
Refrigerant	High pressure	mm (in.)	22.2 (7/8		
		mm (in.)	28.58 (1-1	,	
Set Model		(III.)	20.00 (1-1	Julou	
				BARY B	
Model	14/-4		PQRY-P200YLM-A1		200YLM-A1
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	ermetic compressor
	Starting method		Inverter		verter
	Motor output kW		4.8		4.8
					4.0
	Case heater	kW	-		-
	Lubricant		MEL32		EL32
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 34-1	11/16 x 21-11/16
Protection devices	High pressure protection		High pressure sensor, High pressure switch at 4.15 MPa (601 psi)		essure switch at 4.15 MPa (6 osi)
	Inverter circuit (COMP.)		Over-heat protection, Over-current protection		Over-current protection
	Compressor				•
Definent			Over-heat protection Over-heat protection		1
Refrigerant	Type x original charge		R410A x 5.0 kg (12 lbs) R410A x 5.0 kg (12 lbs)		.0 kg (12 lbs)
	Control	1	Indoor LEV an		
Net weight		kg (lbs)	173 (382)	173	(382)
Heat exchanger			plate type	plat	te type
	Water volume in plate	1	5.0		5.0
	Water pressure Max.	MPa	2.0		2.0
HIC circuit (HIC: Heat Int	er-Changer)		-		-
Pipe between unit and	High pressure	mm (in.)	15.88 (5/8) Brazed	15.88 (5	i/8) Brazed
listributor	Low pressure	mm (in.)	19.05 (3/4) Brazed		/4) Brazed
		(III.)			
Drawing	External		KL94		40.400
o	Wiring		KE94G420 KE94G420		46420
Standard attachment	Document		Installatio		
	Accessory		Refrigerant conn. pipe		
Optional parts			Heat Source Twinning	kit: CMY-Q100CBK2	
			Joint: CMY-Y102SS/I	_S-G2, CMY-R160-J1	
			Main BC controller: CMB-P108, 1012, 1016V-JA/CMB-P1016V-KA/CMB-M108, 1012, 1016V-JA1/CMB-P1016V-KA1		
			Sub BC controller: CMB-P104,		
Remarks			Details on foundation work, duct work, insulation work, electrica		
			to the Installation Manual.		
			Due to continuing improvement, above specifications may be s		e.
			The ambient temperature of the heat source unit needs to be k		
			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.	a in the Annulation of the state	
			Be sure to mount a strainer (more than 50 meshes) at the water		
			Be sure to provide interlocking for the unit operation and water The heat source twinning kit (low pressure) should be connect		the heat source unit
					ne near source unit.
			Install the supplied insulation material to the unused drain soc	(et	
			Install the supplied insulation material to the unused drain-soci When installing insulation material around both water and refri		ation manual.
			When installing insulation material around both water and refrie	gerant piping, follow the installa	
				gerant piping, follow the installa	
Notes:			When installing insulation material around both water and refrie	gerant piping, follow the installa	

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 =kW x 3,412

=m³/min x 35.31 =kg/0.4536

*Above specification data is subject to rounding variation.

cfm

			1		
Model				0YSLM-A1	
Power source			3-phase 4-wire 380-400-415 V 50/60 Hz		
Cooling capacity		1 kW	50.0 170,600		
(Nominal)		1 BTU/h			
	Power input	kW		78	
	Current input	A	14.8-14.0-13.5		
	EER	kW/kW	5.69		
Temp. range of	Indoor	W.B.		C (59~75°F)	
cooling	Inlet water	°C		C (50~113°F)	
Heating capacity		2 kW 2 BTU/h		5.0	
Nominal)			<u> </u>		
	Power input	kW			
	Current input COP			4.3-13.8	
Town you go of		kW/kW D.B.		24	
Temp. range of	Indoor		15.0~27.0°C (59~81°F) 10.0~45.0°C (50~113°F)		
heating	Inlet water	°C			
Indoor unit	Total capacity			source unit capacity	
connectable	Model/Quantity			20~M140/1~45	
	easured in anechoic room)	dB <a>		50	
Sound power level (mea		dB <a>		64	
Refrigerant	High pressure	mm (in.)		3) Brazed	
piping diameter	Low pressure	mm (in.)	28.58 (1-1	/8) Brazed	
Set Model					
Model	Water flow rate	m3/L	PQRY-P250YLM-A1	PQRY-P200YLM-A1 + 5.76	
Circulating water	culating water Water flow rate m ³ /h				
			96 + 96 3.4 + 3.4		
	Dura anna dura	cfm			
	Pressure drop	kPa	24	24	
^	Operating volume range	m ³ /h		~ 7.2 + 7.2	
Compressor	Туре		Inverter scroll hermetic compressor	Inverter scroll hermetic compressor	
	Starting method		Inverter	Inverter	
	Motor output	kW	6.2	4.8	
	Case heater	kW	-	-	
External finish	Lubricant		MEL32	MEL32	
	NurD		Galvanized steel sheets	Galvanized steel sheets	
External dimension H x \	N X D	mm in.	1,100 x 880 x 550 43-5/16 x 34-11/16 x 21-11/16	1,100 x 880 x 550 43-5/16 x 34-11/16 x 21-11/16	
			High pressure sensor, High pressure switch at 4.15 MPa (601	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		R410A x 5.0 kg (12 lbs)	R410A x 5.0 kg (12 lbs)	
5	Control			d BC controller	
Net weight		kg (lbs)	173 (382)	173 (382)	
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		1	-	-	
Pipe between unit and	High pressure	mm (in.)	19.05 (3/4) Brazed	19.05 (3/4) Brazed	
listributor	Low pressure	mm (in.)	22.2 (7/8) Brazed	22.2 (7/8) Brazed	
Drawing	External	()	· · ·	C239	
	Wiring		KE94G420	KE94G420	
Standard attachment	Document			on Manual	
	Accessory			t conn. pipe	
Optional parts	Accessory		-	g kit: CMY-Q100CBK2	
Optional parts				LS-G2, CMY-R160-J1	
				016V-KA/CMB-M108, 1012, 1016V-JA1/CMB-P1016V-KA1	
				108V-KA/CMB-M108, 1012, 1018V-JA1/CMB-P 1018V-KA1 108V-KB/CMB-M104, 108V-KB1	
Remarks					
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 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.	DE KEPT DEIOW 80%.	
			Be sure to mount a strainer (more than 50 meshes) at the wate	er inlet piping of the unit.	
			Be sure to provide interlocking for the unit operation and water	r circuit.	
			The heat source twinning kit (low pressure) should be connect		
			Install the supplied insulation material to the unused drain-soc When installing insulation material around both water and refri		
			The cooling tower and the water circuit must be a closed circuit		
ataa:				Linit convertor	

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.)
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.)

MEES21K154

Unit converter

=kg/0.4536

*Above specification data is subject to rounding variation.

BTU/h =kW x 3,412 =m³/min x 35.31

cfm

Model				0YSI M-A1		
			PQRY-P500YSLM-A1			
Power source			3-phase 4-wire 380-400-415 V 50/60 Hz			
Cooling capacity		kW	56.0			
(Nominal)	· · · · · · · · · · · · · · · · · · ·	BTU/h		191,100 10.12		
	Power input	kW	10	.12		
	Current input	A	17.0-16	i.2-15.6		
	EER	kW/kW	5.	53		
Temp. range of	Indoor	W.B.	15.0~24.0°0	C (59~75°F)		
cooling	Inlet water	°C	10.0~45.0°C			
Heating capacity	**			1 /		
Nominal)	*			63.0 215,000		
Nominal)		-				
	Power input	kW	10			
Current input A		17.1-16				
	COP kW/kW		6.			
Temp. range of	-		15.0~27.0°0	C (59~81°F)		
heating	Inlet water °C		10.0~45.0°C	; (50~113°F)		
Indoor unit	Total capacity		50~150% of heat s	ource unit capacity		
connectable	Model/Quantity		P10~P250, M2	20~M140/1~50		
	easured in anechoic room)	dB <a>	5			
Sound pressure level (meas	,	dB <a>	6			
	,	-	-			
		mm (in.)	22.2 (7/8	,		
piping diameter	Low pressure	mm (in.)	28.58 (1-1	/8) Brazed		
Set Model						
Model			PQRY-P250YLM-A1	PQRY-P2	250YLM-A1	
Circulating water	Water flow rate	m ³ /h	5.76 -	5.76		
-		L/min	96 -	+ 96		
		cfm	3.4 -			
	Pressure drop	kPa	24		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	М	EL32	
External finish	Eddicant					
		-	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		11/16 x 21-11/16	
Protection devices	High pressure protection		High pressure sensor, High pressure switch at 4.15 MPa (601 psi)		ressure switch at 4.15 MPa (6 osi)	
	Inverter circuit (COMP.)		Over-heat protection, Over-current protection		Over-current protection	
					•	
	Compressor			Over-heat protection Over-heat protection		
Refrigerant	Type x original charge		R410A x 5.0 kg (12 lbs) R410A x 5.0 kg (12 lbs)			
	Control		Indoor LEV an	d BC controller		
Net weight		kg (lbs)	173 (382)	173	(382)	
Heat exchanger			plate type	plat	te type	
ũ	Water volume in plate	1	5.0		5.0	
	Water pressure Max.	MPa	2.0		2.0	
		IVIF a				
HIC circuit (HIC: Heat Int	• /		-		-	
Pipe between unit and	High pressure	mm (in.)	19.05 (3/4) Brazed		/4) Brazed	
listributor	Low pressure	mm (in.)	22.2 (7/8) Brazed	22.2 (7)	(8) Brazed	
Drawing	External		KL94	C239		
	Wiring		KE94G420	KE9	4G420	
Standard attachment	Document		Installation Manual			
	Accessory		Refrigerant			
Ontional parts			°			
Optional parts			Heat Source Twinning			
			Joint: CMY-Y102SS/LS-G2, CMY-R160-J1 Main BC controller: CMB-P108, 1012, 1016V-JA/CMB-P1016V-KA/CMB-M108, 1012, 1016V-JA1/CMB-P1016V-KA1			
			Sub BC controller: CMB-P104, 7	08V-KB/CMB-M104, 108V-KE	31	
Remarks			Details on foundation work, duct work, insulation work, electrica	I wiring, power source switch, a	and other items shall be refer	
			to the Installation Manual.			
			Due to continuing improvement, above specifications may be s		e.	
			The ambient temperature of the heat source unit needs to be k			
			The ambient relative humidity of the heat source unit needs to	ие керт веюж 80%.		
			The heat source unit should not be installed at outdoor. Be sure to mount a strainer (more than 50 meshes) at the wate	ar inlet nining of the unit		
			Be sure to mount a strainer (more than 50 mesnes) at the water Be sure to provide interlocking for the unit operation and water			
			The heat source twinning kit (low pressure) should be connect		the heat source unit	
			Install the supplied insulation material to the unused drain-soci When installing insulation material around both water and refri	ket.		
			Install the supplied insulation material to the unused drain-soci	ket. gerant piping, follow the installa	ation manual.	
			Install the supplied insulation material to the unused drain-socl When installing insulation material around both water and refri	ket. gerant piping, follow the installa	ation manual.	
Notes:			Install the supplied insulation material to the unused drain-socl When installing insulation material around both water and refri	ket. gerant piping, follow the installa	ation manual.	

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.)

*Above specification data is subject to rounding variation.

=m³/min x 35.31 =kg/0.4536

BTU/h =kW x 3,412

cfm

Model PORF SUTS - SUP (SUP AIT) Power sourc 3-phase A-wire 380-400-415 V 50/60 Hz Cooling capacity 1 Model 810/0 Power input KW Current input A EER KWKW Conding capacity V Indoor WB. Conding capacity V Conding capacity VB. Model 0.0-45.0°C (60-113°F) cooling Inlet water °C Model 0.0-45.0°C (50-75) cooling Inlet water °C Power input KW 69.0 (Nominal) Y YW YW 0.0-113°F) Cooling Indoor DB DU/h 235.400 YW 6.10 Core KWKW 6.10 Temp. range of Indoor D.B. Core 15.0-27.0°C (50-81°F) Indoor unit Tota capacity YW 6.10 Core Sound presure level (measured in anechoic room) d	
Cooling capacity *1 kW 63.0 (Nominal) *1 BTU/h 215,000 Power input A 19.4-18,5-17.8 Current input A 19.4-18,5-17.8 EER kW/kW 5.45 Temp. range of cooling Indoor W.B. 0.0-270(C (59-75'F)) cooling Inlet water *C 10.0-45.0*C (50-713'F) Heating capacity *2 KW 69.0 Volumental XW/kW 69.0 0.0 Current input A 19.0-18.1-17.4 0.0-45.0*C (50-713'F) Cool KW/kW 6.10 0.0 0.0-45.0*C (50-113'F) Heating capacity Indoor D.B. 15.0-27.0*C (59-81'F) 0.0-45.0*C (50-113'F) Indoor D.B. 15.0-27.0*C (59-81'F) 0.0-45.0*C (50-113'F) 0.0 Indoor D.B. 15.0-27.0*C (59-81'F) 0.0-45.0*C (50-113'F) 0.0 Indoor D.B. 15.0-27.0*C (59-81'F) 0.0 0.0 0.0 Cornectable Model/Quantity <td></td>	
$ \begin{array}{ c c c c c } \hline \begin{tabular}{ c c c c } \hline \begin{tabular}{ c c c c c c c } \hline \begin{tabular}{ c c c c c c c c c c c c c c c c c c c$	
$\begin{tabular}{ c c c c c c c c c c c c c c c c c c c$	
$\begin{tabular}{ c c c c c c c } \hline Current input & A & 19.4-18.5-17.8 \\ \hline EFR & KW/KW & 5.45 \\ \hline Temp, range of & Indoor & W.B. & 15.0-24.0^{\circ}C (50-75^{\circ}F) & cooling & Inlet water & ^{\circ}C & 0.0-45.0^{\circ}C (50-113^{\circ}F) & 0.0-45.0^{\circ}C & 0.0-45.0^{\circ}$	
EERkW/kW 5.45 Temp. range of coolingIndoorW.B. $15.0-24.0^{\circ}C$ (59-75°F)coolingInlet water°C $10.0-45.0^{\circ}C$ (50-713°F)Heating capacity*2kW 69.0 Nominal)*2BTU/h $235,400$ Power inputkW 11.31 Current inputA $19.0-18.1.17.4$ COPkW/kW 6.10 Temp. range of IndoorIndoorD.B. $15.0-27.0^{\circ}C$ (59-81°F)IndoorD.B. $15.0-27.0^{\circ}C$ (59-81°F)heating connectableInlet water°C $10.0-45.0^{\circ}C$ (50-113°F)Model/Cuantity $00-45.0^{\circ}C$ (50-113°F) $00-45.0^{\circ}C$ (50-113°F)Sound pressure level (measured in anechoic room)dB <a>55Sound pressure level (measured in anechoic room)dB <a>69RefrigerantHigh pressuremm (in.)22.2 (7/8) Brazed (28.58 (1-1/8) BrazedModelVS7.6 + 5.76Circulating waterWater flow rate$m^3/h$$3.0 + 3.0 - 7.2 + 7.2$CompressorTypeInverter scroll hermetic compressorInverterOperating volume range$m^3/h$$3.0 + 3.0 - 7.2 + 7.2$CompressorTypeInverter scroll hermetic compressorInverterOutor utputKW7.7$6.2$	
Temp. range of cooling Indoor W.B. 15.0-24.0°C (59-75°F) cooling Inlet water °C 10.0-45.0°C (50-713°F) Heating capacity °2 KW 69.0 Nominal) °2 BTU/h 235,400 Power input KW 11.31 235,400 Current input A 19.0-18.1-17.4 6.10 COP KW/kW 6.10 6.10 Temp. range of Indoor D.B 15.0-27.0°C (59-81°F) heating Indo D.B 15.0-27.0°C (50-113°F) Indoor unit Total capacity 50°C (50°-113°F) Indoor unit Total capacity 50°-150% of heat source unit capacity Sound pressure level (measured in anechoic room) dB <a> 55 Sound power level (measured in anechoic room) dB <a> 69 Refrigerant High pressure mm (in.) 22.2 (7/8) Brazed (28.58 (1-1/8) Brazed piping diameter Low pressure drop KPa 24 24 Operating volume range m³/h 3.0 + 3.0 - 7.2 + 7.2	
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Heating capacity *2 kW 69.0 Nominal) *2 BTU/h 235,400 Power input kW 11.31 Current input A 19.0-18.1-17.4 COP kW/kW 6.10 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 50-150% of heat source unit capacity connectable Model/Quantity P10-P250, M20-M140/2-50 Sound pressure level (measured in anechoic room) dB <a> 69 Refrigerant High pressure mm (in.) 22.2 (7/8) Brazed (28.58 (1-1/8) Brazed for the part that exceeds 65 m) piping diameter Low pressure mm (in.) 22.2 (7/8) Brazed (28.58 (1-1/8) Brazed Set Model PQRY-P250YLM Circulating water Water flow rate m³/h 1.4 -3.4 Compressor Type Inverter scroll hermetic compressor Inverter scroll hermetic compressor Type Inverter scroll hermetic	
Nominal) *2 BTU/h 235,400 Power input kW 11.31 Current input A 19.0-18.1-17.4 COP kW/kW 6.10 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°150% of heat source unit capacity connectable Model/Quantity 910-P250, M20-M140/2-50 Sound pressure level (measured in anechoic room) dB <a> 55 Sound power level (measured in anechoic room) dB <a> 69 Refrigerant High pressure mm (in.) 22.2 (7/8) Brazed (28.58 (1-1/8) Brazed for the part that exceeds 65 m) piping diameter Low pressure mm (in.) 22.2 (7/8) Brazed (28.58 (1-1/8) Brazed Set Model PQRY-P300YLM-A1 PQRY-P250YLM Circulating water Water flow rate m³/h Corperating volume range m³/h Operating volume range m³/h<td></td>	
$\begin{tabular}{ c c c c c c c } \hline Power input & kW & 11.31 \\ \hline Current input & A & 19.0-18.1-17.4 \\ \hline COP & kW/kW & 6.10 \\ \hline Temp. range of & Indoor & D.B. & 15.0-27.0^{\circ}C (59-81^{\circ}F) & 16.0 \\ \hline Heating & Inlet water & 0^{\circ}C & 0.0-45.0^{\circ}C (59-81^{\circ}F) & 16.0 \\ \hline Hodor unit & Total capacity & 50~150\% of heat source unit capacity & 50~150\% of heat source unit capacity & 0.0-45.0^{\circ}C (50-113^{\circ}F) & 10.0-45.0^{\circ}C (50-413^{\circ}F) & 10.0-45.0^{\circ}C (50-415^{\circ}F) & 10.0-45.0^{\circ}C (50-415^{\circ$	
$\begin{tabular}{ c c c c c c } \hline Current input & A & 19.018.1-17.4 \\ \hline COP & kW/kW & 6.10 \\ \hline Temp. range of & Indoor & D.B. & 15.0-27.0^{\circ}C (59-81^{\circ}F) & 16.00 \\ \hline heating & Indoor & D.B. & 15.0-27.0^{\circ}C (59-81^{\circ}F) & 16.00 \\ \hline heating & Indoor & C & 0.0-45.0^{\circ}C (50-113^{\circ}F) & 10.0-45.0^{\circ}C & 10.$	
COPkW/kW6.10Temp. range of heatingIndoorD.B. $15.0 \sim 27.0^{\circ}C (59 \sim 81^{\circ}F)$ heatingInlet water°C $10.0 \sim 45.0^{\circ}C (50 \sim 113^{\circ}F)$ Indoor unitTotal capacity $50 \sim 150\%$ of heat source unit capacityconnectableModel/QuantityP10 \sim P250, M20 \sim M140/2 \sim 50Sound pressure level (measured in anechoic room)dB <a>69Sound pressure level (measured in anechoic room)dB <a>69Refrigerant piping diameterHigh pressuremm (in.)$22.2 (7/8)$ Brazed (28.58 (1-1/8) Brazed for the part that exceeds 65 m)Sound power level (measured in anechoic room)dB <a>69Refrigerant piping diameterHigh pressuremm (in.)$22.2 (7/8)$ Brazed (28.58 (1-1/8) Brazed for the part that exceeds 65 m)Sound power level (measured in machoic nom)dB <a>$69$$69$Corput graveModelPQRY-P300YLM-A1PQRY-P250YLMCirculating waterWater flow rate$\frac{m^3/h}{cfm}$$24$$3.0 + 3.0 \sim 7.2 + 7.2$CompressorTypeInverter scroll hermetic compressorInverter scroll hermetic compressorCompressorTypeInverter scroll hermetic compressorInverter scroll hermetic of the scroll hermetic o	
Temp. range of heatingIndoorD.B. $15.0-27.0^{\circ}C (59-81^{\circ}F)$ Indoor unit connectable \circ C $10.0-45.0^{\circ}C (50-113^{\circ}F)$ Indoor unit connectableTotal capacity $50^{\circ}150^{\circ}$ of heat source unit capacityModel/QuantityP10~P250, M20~M140/2~50Sound pressure level (measured in anechoic room)dB <a>Sound power level (measured in anechoic room)dB <a>Refrigerant piping diameterHigh pressure Low pressuremm (in.)Low pressuremm (in.)$22.2 (7/8)$ Brazed (28.58 (1-1/8) BrazedSet Modelmm (in.)$22.2 (7/8)$ Brazed (28.58 (1-1/8) BrazedSet Modelmm (in.)$28.58 (1-1/8)$ BrazedPQRY-P300YLM-A1PQRY-P250YLMORY-P250YLMOrgen time the flow ratem^3/h Circulating waterm^3/h <math>Crmcfm$3.0 + 3.0 - 7.2 + 7.2$CompressorTypeInverter scroll hermetic compressorInverter scroll hermetic compressorCompressorTypeInverter scroll hermetic compressorInverter scroll hermetic compressorInverter scroll hermetic compressorInverterCompressorTypeInverterInverterInverterInverterInverterInverter</math>	
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Indoor unit Total capacity 50~150% of heat source unit capacity connectable Model/Quantity P10~P250, M20~M140/2~50 Sound pressure level (measured in anechoic room) dB <a> 55 Sound power level (measured in anechoic room) dB <a> 69 Refrigerant High pressure mm (in.) 22.2 (7/8) Brazed (28.58 (1-1/8) Brazed for the part that exceeds 65 m) piping diameter Low pressure mm (in.) 22.2 (7/8) Brazed (28.58 (1-1/8) Brazed Set Model Model PQRY-P300YLM-A1 PQRY-P250YLM Model Image: source in the source	
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Sound power level (measured in anechoic room) dB <a> 69 Refrigerant High pressure mm (in.) 22.2 (7/8) Brazed (28.58 (1-1/8) Brazed for the part that exceeds 65 m) piping diameter Low pressure mm (in.) 22.2 (7/8) Brazed (28.58 (1-1/8) Brazed for the part that exceeds 65 m) Set Model 	I-A1
Refrigerant piping diameter High pressure mm (in.) 22.2 (7/8) Brazed (28.58 (1-1/8) Brazed for the part that exceeds 65 m) Set Model Low pressure mm (in.) 28.58 (1-1/8) Brazed Brazed Brazed Brazed Brazed Brazed for the part that exceeds 65 m) Model PQRY-P300YLM-A1 PQRY-P250YLM Circulating water Mater flow rate m³/h L/min ofm 5.76 + 5.76 Pressure drop kPa 24 24 Operating volume range m³/h 3.0 + 3.0 ~ 7.2 + 7.2 Inverter scroll hermetic compressor Compressor Type Inverter scroll hermetic compressor Inverter scroll hermetic compressor Starting method KW 7.7 6.2	I-A1
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Set Model PQRY-P300YLM-A1 PQRY-P250YLM Model Image: m3/h 5.76 + 5.76 Circulating water Image: m3/h 5.76 + 5.76 Image: pressure drop kPa 24 Operating volume range m3/h 3.0 + 3.0 - 7.2 + 7.2 Compressor Type Inverter scroll hermetic compressor Inverter scroll hermetic compressor Starting method Inverter Inverter Motor output kW 7.7 6.2	I-A1
Model PQRY-P300YLM-A1 PQRY-P250YLM Circulating water Water flow rate m ³ /h 5.76 + 5.76 L/min 96 + 96 3.4 + 3.4 96 + 96 Pressure drop kPa 24 24 Operating volume range m ³ /h 3.0 + 3.0 ~ 7.2 + 7.2 10verter scroll hermetic compressor Compressor Type Inverter scroll hermetic compressor Inverter scroll hermetic compressor Starting method Inverter Inverter 10verter Motor output kW 7.7 6.2 Case heater kW - -	I-A1
Circulating water Water flow rate m³/h L/min 96 + 96 cfm 3.4 + 3.4 Pressure drop kPa 24 Operating volume range m³/h 3.0 + 3.0 ~ 7.2 + 7.2 Compressor Type Inverter scroll hermetic compressor Inverter scroll hermetic compressor Starting method Inverter Inverter Motor output kW 7.7 6.2 Case heater kW -	
L/min 96 + 96 cfm 3.4 + 3.4 Pressure drop kPa 24 24 Operating volume range m³/h 3.0 + 3.0 ~ 7.2 + 7.2 24 Compressor Type Inverter scroll hermetic compressor Inverter scroll hermetic compressor Starting method Inverter Inverter Inverter Motor output kW 7.7 6.2 Case heater kW - -	
cfm 3.4 + 3.4 Pressure drop kPa 24 24 Operating volume range m ³ /h 3.0 + 3.0 ~ 7.2 + 7.2 1000000000000000000000000000000000000	
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Compressor Type Inverter scroll hermetic compressor Inverter scroll hermetic compressor Inverter scroll hermetic compressor Inverter Inverter Inverter Inverter Inverter Inverter Case heater KW 7.7 6.2	
Starting method Inverter Inverter Motor output kW 7.7 6.2 Case heater kW - -	compressor
Motor output kW 7.7 6.2 Case heater kW - -	Joinpicocol
Case heater kW	
Lubricant MEL32 MEL32	
External finish Galvanized steel sheets Galvanized steel s	heets
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 34-11/16 x	
Protection devices High pressure protection High pressure sensor, High pressure sensor, High pressure sensor, High pressure sensor, High pressure pi)	
Inverter circuit (COMP.) Over-heat protection, Over-current protection Over-heat protection, Over-heat protect	urrent protection
Compressor Over-heat protection Over-heat protect	
Refrigerant Type x original charge R410A x 5.0 kg (12 lbs) R410A x 5.0 kg (1	
Control Indoor LEV and BC controller	
Net weight kg (lbs) 173 (382) 173 (382)	
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 Inter-Changer)	
Pipe between unit and High pressure mm (in.) 19.05 (3/4) Brazed 19.05 (3/4) Brazed 19.05 (3/4) Brazed	zed
distributor Low pressure mm (in.) 22.2 (7/8) Brazed 22.2 (7/8) Brazed	
Drawing External KL94C239	
Wiring KE94G420 KE94G420	
Standard attachment Document Installation Manual	
Accessory Refrigerant conn. pipe	
Optional parts Heat Source Twinning kit: CMY-Q100CBK2	
Joint: CMY-Y102SS/LS-G2, CMY-R160-J1	
Main BC controller: CMB-P108, 1012, 1016V-JA/CMB-P1016V-KA/CMB-M108, 1012, 1016V-JA	1/CMB-P1016V-KA1
Sub BC controller: CMB-P104, 108V-KB/CMB-M104, 108V-KB1	
Remarks Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and othe	er items shall be referr
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 40°C D.B.	
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. The heat source twinsing kit (your programs) should be comported to the low programs side of the heat	agurag upit
The heat source twinning kit (low pressure) should be connected to the low pressure side of the heat Install the supplied insulation material to the unused drain-socket.	SOULCE UNIT.
When installing insulation material around both water and refrigerant piping, follow the installation ma	
When the high pressure piping length is 65 m or less, use 22.2 (7/8) pipe. When the high pressure pi	ping length exceeds
65 m, use 22.2 (7/8) pipe until 65 m, use 28.58 (1-1/8) pipe for the part that exceeds 65 m. The cooling tower and the water circuit must be a closed circuit (water is not exposed to the atmosph	iere)
65 m, use 22.2 (7/8) pipe until 65 m, use 28.58 (1-1/8) pipe for the part that exceeds 65 m. The cooling tower and the water circuit must be a closed circuit (water is not exposed to the atmosph	iere).

 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)
 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				0YSI M-A1	
Power source			PQRY-P600YSLM-A1 3-phase 4-wire 380-400-415 V 50/60 Hz		
	**	LAA/	•		
Cooling capacity		kW	69		
Nominal)	*1		235		
	Power input	kW	12		
	Current input	A	21.6-20		
	EER	kW/kW	5.		
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	2 kW	76	5.5	
Nominal)	*****	BTU/h	261	000	
	Power input	kW	12	75	
	Current input	А	21.5-20	.4-19.7	
	COP	kW/kW	6.		
Temp. range of	Indoor	D.B.			
heating	Inlet water	°C	15.0~27.0°C (59~81°F) 10.0~45.0°C (50~113°F)		
ndoor unit	Total capacity	C		1 /	
			50~150% of heat s		
connectable	Model/Quantity	1	P10~P250, M2		
	measured in anechoic room)	dB <a>	5		
	asured in anechoic room)	dB <a>	7		
Refrigerant	High pressure	mm (in.)	22.2 (7/8) Brazed (28.58 (1-1/8) Brazed	zed for the part that exceeds	65 m)
piping diameter	Low pressure	mm (in.)	34.93 (1-3	/8) Brazed	
Set Model					
Model			PQRY-P300YLM-A1	PQRY-P	300YLM-A1
Circulating water	Water flow rate	m ³ /h	5.76 -		
5		L/min	96 -		
	cfm		3.4 -		
	Pressure drop	kPa	24		24
		m ³ /h			24
.	Operating volume range	m-/n	3.0 + 3.0 -		
Compressor	Туре		Inverter scroll hermetic compressor		ermetic compressor
	Starting method		Inverter		verter
	Motor output kW		7.7		7.7
	Case heater	kW	-		-
	Lubricant		MEL32	м	EL32
External finish			Galvanized steel sheets	Galvanize	d 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	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)	• • • • • •	ressure switch at 4.15 MPa (6 psi)
	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)		i.0 kg (12 lbs)
	Control		Indoor LEV an		
Net weight		kg (lbs)	173 (382)	173	3 (382)
Heat exchanger			plate type	pla	te type
	Water volume in plate	I	5.0		5.0
	Water pressure Max.	MPa	2.0		2.0
HIC circuit (HIC: Heat I			-		-
Pipe between unit and	High pressure	mm (in.)	19.05 (3/4) Brazed	19.05.73	3/4) Brazed
listributor	Low pressure	mm (in.)	22.2 (7/8) Brazed		/8) Brazed
		()			oj brazou
Drawing	External		KL94C239		
Oten dend #	Wiring		KE94G420 KE94G420 Installation Manual		
Standard attachment	Document				
	Accessory		Refrigerant	11	
Optional parts			Heat Source Twinning	kit: CMY-Q100CBK2	
			Joint: CMY-Y102SS/LS-G2, CMY-R160-J1		
			Main BC controller: CMB-P108, 1012, 1016V-JA/CMB-P10	16V-KA/CMB-M108, 1012, 10	16V-JA1/CMB-P1016V-KA1
			Sub BC controller: CMB-P104, 7	108V-KB/CMB-M104, 108V-KE	31
Remarks			Details on foundation work, duct work, insulation work, electrica		
			to the Installation Manual.	•	
			Due to continuing improvement, above specifications may be s		e.
			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.	De Kept below 80%.	
			Be sure to mount a strainer (more than 50 meshes) at the wate	er inlet piping of the unit	
			Be sure to provide interlocking for the unit operation and water		
			The heat source twinning kit (low pressure) should be connect		the heat source unit.
			Install the supplied insulation material to the unused drain-soch	ket.	
			When installing insulation material around both water and refri		
			When the high pressure piping length is 65 m or less, use 22.2	(7/8) nine When the high nre	ssure piping length exceeds
					eedle piping lengal exceede
			65 m, use 22.2 (7/8) pipe until 65 m, use 28.58 (1-1/8) pipe for	the part that exceeds 65 m.	
				the part that exceeds 65 m.	
otes:			65 m, use 22.2 (7/8) pipe until 65 m, use 28.58 (1-1/8) pipe for	the part that exceeds 65 m.	

 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)
 cfm =rm³/min x 35.31

 Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)
 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 rounding variation.

Model					
			PQRY-P700YSLM-A1		
Power source		-	· · · · ·	400-415 V 50/60 Hz	
Cooling capacity		kW	80	0.0	
(Nominal)	**	l BTU/h	273	000	
	Power input	kW	14	73	
	Current input	A	24.8-23	3.6-22.7	
	EER	kW/kW	5.	43	
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	88	3.0	
Nominal)	**	2 BTU/h	300	300	
	Power input	kW	14	73	
	Current input	А	24.8-23	.6-22.7	
	COP	kW/kW	5.	97	
Temp. range of	Indoor	D.B.	15.0~27.0°0	C (59~81°F)	
heating	Inlet water	°C	10.0~45.0°C (50~113°F)		
Indoor unit	Total capacity		50~150% of heat source unit capacity		
connectable	Model/Quantity		P10~P250, M2		
	easured in anechoic room)	dB <a>	5		
	sured in anechoic room)	dB <a>	6		
Refrigerant	High pressure	mm (in.)	28.58 (1-1		
piping diameter	Low pressure	mm (in.)	34.93 (1-1	,	
Set Model		[(III.)	04.93 (1-3		
Model			PQRY-P350YLM-A1	PQRY-P350YLM-A1	
Circulating water	Water flow rate	m ³ /h	7.20 -		
Circulating water	water now rate	-			
	L/min		120 + 120 4.2 + 4.2		
	Deserves deser	cfm kPa			
	Pressure drop		44	44	
	Operating volume range	m ³ /h		11.6 + 11.6	
Compressor	Туре		Inverter scroll hermetic compressor	Inverter scroll hermetic compressor	
	Starting method		Inverter	Inverter	
	Motor output	kW	9.5	9.5	
	Case heater	kW	-	-	
	Lubricant		MEL32	MEL32	
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	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	High pressure sensor, High pressure switch at 4.15 MPa (60	
FIOLECIION devices	riigh 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	
	Type x original charge		R410A x 6.0 kg (14 lbs)	R410A x 6.0 kg (14 lbs)	
Refrigerant					
Refrigerant	Control		Indoor LEV and	d BC controller	
-	Control	kg (lbs)	217 (479)	217 (479)	
Net weight	Control	kg (lbs)	217 (479)	217 (479)	
Net weight		kg (lbs)	217 (479) plate type	217 (479) plate type	
Net weight	Water volume in plate	1	217 (479) plate type 5.0	217 (479) plate type 5.0	
Net weight Heat exchanger	Water volume in plate Water pressure Max.	kg (lbs)	217 (479) plate type 5.0 2.0	217 (479) plate type	
Net weight Heat exchanger HIC circuit (HIC: Heat In	Water volume in plate Water pressure Max. ter-Changer)	l MPa	217 (479) plate type 5.0 2.0 -	217 (479) plate type 5.0 2.0 -	
Net weight Heat exchanger HIC circuit (HIC: Heat In Pipe between unit and	Water volume in plate Water pressure Max. ter-Changer) High pressure	I MPa mm (in.)	217 (479) plate type 5.0 2.0 - 22.2 (7/8) Brazed	217 (479) plate type 5.0 2.0 - 22.2 (7/8) Brazed	
Net weight Heat exchanger HIC circuit (HIC: Heat In Pipe between unit and listributor	Water volume in plate Water pressure Max. ter-Changer) High pressure Low pressure	l MPa	217 (479) plate type 5.0 2.0 - 22.2 (7/8) Brazed 28.58 (1-1/8) Brazed	217 (479) plate type 5.0 2.0 - 22.2 (7/8) Brazed 28.58 (1-1/8) Brazed	
Net weight Heat exchanger HIC circuit (HIC: Heat In Pipe between unit and listributor	Water volume in plate Water pressure Max. ter-Changer) High pressure Low pressure External	I MPa mm (in.)	217 (479) plate type 5.0 2.0 - 22.2 (7/8) Brazed 28.58 (1-1/8) Brazed KL94	217 (479) plate type 5.0 2.0 - 22.2 (7/8) Brazed 28.58 (1-1/8) Brazed C240	
Net weight Heat exchanger HIC circuit (HIC: Heat In Pipe between unit and distributor Drawing	Water volume in plate Water pressure Max. ter-Changer) High pressure Low pressure External Wiring	I MPa mm (in.)	217 (479) plate type 5.0 2.0 - 22.2 (7/8) Brazed 28.58 (1-1/8) Brazed KL94 KE94G420	217 (479) plate type 5.0 2.0 - 22.2 (7/8) Brazed 28.58 (1-1/8) Brazed C240 KE94G420	
Net weight Heat exchanger HIC circuit (HIC: Heat In Pipe between unit and listributor Drawing	Water volume in plate Water pressure Max. ter-Changer) High pressure Low pressure External Wiring Document	I MPa mm (in.)	217 (479) plate type 5.0 2.0 - 22.2 (7/8) Brazed 28.58 (1-1/8) Brazed KL94 KE94G420 Installatic	217 (479) plate type 5.0 2.0 - 22.2 (7/8) Brazed 28.58 (1-1/8) Brazed C240 KE94G420 n Manual	
Net weight Heat exchanger HIC circuit (HIC: Heat In Pipe between unit and listributor Drawing Standard attachment	Water volume in plate Water pressure Max. ter-Changer) High pressure Low pressure External Wiring	I MPa mm (in.)	217 (479) plate type 5.0 2.0 - 22.2 (7/8) Brazed 28.58 (1-1/8) Brazed KL94 KE94G420 Installatic Refrigerant	217 (479) plate type 5.0 2.0 - 22.2 (7/8) Brazed 28.58 (1-1/8) Brazed C240 KE94G420 n Manual conn. pipe	
Net weight Heat exchanger HIC circuit (HIC: Heat In Pipe between unit and listributor Drawing Standard attachment	Water volume in plate Water pressure Max. ter-Changer) High pressure Low pressure External Wiring Document	I MPa mm (in.)	217 (479) plate type 5.0 2.0 - 22.2 (7/8) Brazed 28.58 (1-1/8) Brazed KL94 KE94G420 Installatic Refrigerant	217 (479) plate type 5.0 2.0 - 22.2 (7/8) Brazed 28.58 (1-1/8) Brazed C240 KE94G420 n Manual	
Net weight Heat exchanger HIC circuit (HIC: Heat In Pipe between unit and listributor Drawing Standard attachment	Water volume in plate Water pressure Max. ter-Changer) High pressure Low pressure External Wiring Document	I MPa mm (in.)	217 (479) plate type 5.0 2.0 - 22.2 (7/8) Brazed 28.58 (1-1/8) Brazed KL94 KE94G420 Installatic Refrigerant Heat Source Twinnin	217 (479) plate type 5.0 2.0 - 22.2 (7/8) Brazed 28.58 (1-1/8) Brazed C240 KE94G420 n Manual conn. pipe	
Net weight Heat exchanger HIC circuit (HIC: Heat In Pipe between unit and listributor Drawing Standard attachment	Water volume in plate Water pressure Max. ter-Changer) High pressure Low pressure External Wiring Document	I MPa mm (in.)	217 (479) plate type 5.0 2.0 - 22.2 (7/8) Brazed 28.58 (1-1/8) Brazed KL94 KE94G420 Installatic Refrigerant Heat Source Twinnin Joint: CMY-Y102SS/	217 (479) plate type 5.0 2.0 - 22.2 (7/8) Brazed 28.58 (1-1/8) Brazed C240 KE94G420 n Manual conn. pipe g kit: CMY-Q200CBK	
Net weight Heat exchanger HIC circuit (HIC: Heat In Pipe between unit and listributor Drawing Standard attachment	Water volume in plate Water pressure Max. ter-Changer) High pressure Low pressure External Wiring Document	I MPa mm (in.)	217 (479) plate type 5.0 2.0 - 22.2 (7/8) Brazed 28.58 (1-1/8) Brazed KL94 KE94G420 Installatic Refrigerant Heat Source Twinnin Joint: CMY-Y102SS/	217 (479) plate type 5.0 2.0 - 22.2 (7/8) Brazed 28.58 (1-1/8) Brazed C240 KE94G420 n Manual conn. pipe g kit: CMY-Q200CBK .S-G2, CMY-R160-J1 1/6V-KA/CMB-M108, 1012, 1016V-JA1/CMB-P1016V-KA1	
Net weight Heat exchanger HIC circuit (HIC: Heat In Pipe between unit and distributor Drawing Standard attachment Optional parts	Water volume in plate Water pressure Max. ter-Changer) High pressure Low pressure External Wiring Document	I MPa mm (in.)	217 (479) plate type 5.0 2.0 - 22.2 (7/8) Brazed 28.58 (1-1/8) Brazed KE94G420 Installatio Refrigerant Heat Source Twinnin Joint: CMY-Y102SS/ Main BC controller: CMB-P108, 1012, 1016V-JA/CMB-P10 Sub BC controller: CMB-P104, ' Details on foundation work, duct work, insulation work, electrice	217 (479) plate type 5.0 2.0 - 22.2 (7/8) Brazed 28.58 (1-1/8) Brazed C240 KE94G420 n Manual conn. pipe g kit: CMY-Q200CBK .S-G2, CMY-R160-J1 106V-KA/CMB-M108, 1012, 1016V-JA1/CMB-P1016V-KA1 108V-KB/CMB-M104, 108V-KB1	
Net weight Heat exchanger HIC circuit (HIC: Heat In Pipe between unit and distributor Drawing Standard attachment Optional parts	Water volume in plate Water pressure Max. ter-Changer) High pressure Low pressure External Wiring Document	I MPa mm (in.)	217 (479) plate type 5.0 2.0 - 22.2 (7/8) Brazed 28.58 (1-1/8) Brazed 28.58 (1-1/8) Brazed KL94 KE94G420 Installatic Refrigerant Heat Source Twinnin Joint: CMY-Y102SS/I Main BC controller: CMB-P108, 1012, 1016V-JA/CMB-P10 Sub BC controller: CMB-P104, 7 Details on foundation work, duct work, insulation work, electrica to the Installation Manual.	217 (479) plate type 5.0 2.0 - 22.2 (7/8) Brazed 28.58 (1-1/8) Brazed C240 KE94G420 n Manual conn. pipe g kit: CMY-Q200CBK .S-G2, CMY-R160-J1 1/6V-KA/CMB-M108, 1012, 1016V-JA1/CMB-P1016V-KA1 108V-KB/CMB-M104, 108V-KB1 I wiring, power source switch, and other items shall be reference	
Net weight Heat exchanger HIC circuit (HIC: Heat In Pipe between unit and distributor Drawing Standard attachment Optional parts	Water volume in plate Water pressure Max. ter-Changer) High pressure Low pressure External Wiring Document	I MPa mm (in.)	217 (479) plate type 5.0 2.0 - 22.2 (7/8) Brazed 28.58 (1-1/8) Brazed KL94 KE94G420 Installatio Refrigerant Heat Source Twinnin Joint: CMY-Y102SS/ Main BC controller: CMB-P108, 1012, 1016V-JA/CMB-P10 Sub BC controller: CMB-P108, 1012, 1016V-JA/CMB-P104, ' Details on foundation work, duct work, insulation work, electrice to the Installation Manual. Due to continuing improvement, above specifications may be s	217 (479) plate type 5.0 2.0 - 22.2 (7/8) Brazed 28.58 (1-1/8) Brazed C240 KE94G420 n Manual conn. pipe g kit: CMY-Q200CBK S-G2, CMY-R160-J1 116V-KA/CMB-M108, 1012, 1016V-JA1/CMB-P1016V-KA1 108V-KB/CMB-M104, 108V-KB1 Il wiring, power source switch, and other items shall be referred subject to change without notice.	
Net weight Heat exchanger HIC circuit (HIC: Heat In Pipe between unit and distributor Drawing Standard attachment Optional parts	Water volume in plate Water pressure Max. ter-Changer) High pressure Low pressure External Wiring Document	I MPa mm (in.)	217 (479) plate type 5.0 2.0 - 22.2 (7/8) Brazed 28.58 (1-1/8) Brazed 28.58 (1-1/8) Brazed KE94G420 Installatio Refrigerant Heat Source Twinnin Joint: CMY-Y102SS// Main BC controller: CMB-P108, 1012, 1016V-JA/CMB-P10 Sub BC controller: CMB-P108, 1012, 1016V-JA/CMB-P104, ' 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 h	217 (479) plate type 5.0 2.0 - 22.2 (7/8) Brazed 28.58 (1-1/8) Brazed 28.58 (1-1/8) Brazed 28.58 (1-1/8) Brazed C240 KE94G420 n Manual conn. pipe g kit: CMY-Q200CBK S-G2, CMY-R160-J1 116V-KA/CMB-M108, 1012, 1016V-JA1/CMB-P1016V-KA1 108V-KB/CMB-M104, 108V-KB1 I wiring, power source switch, and other items shall be referred subject to change without notice. eipt below 40°C D.B.	
Net weight Heat exchanger HIC circuit (HIC: Heat In Pipe between unit and distributor Drawing Standard attachment Optional parts	Water volume in plate Water pressure Max. ter-Changer) High pressure Low pressure External Wiring Document	I MPa mm (in.)	217 (479) plate type 5.0 2.0 - 22.2 (7/8) Brazed 28.58 (1-1/8) Brazed 28.58 (1-1/8) Brazed KE94G420 Installatic Refrigerant Heat Source Twinnin Joint: CMY-Y102SS/I Main BC controller: CMB-P108, 1012, 1016V-JA/CMB-P10 Sub BC controller: CMB-P104, - Details on foundation work, duct work, insulation work, electrica to the Installation Manual. Due to continuing improvement, above specifications may be se The ambient temperature of the heat source unit needs to be k The ambient relative humidity of the heat source unit needs to be k	217 (479) plate type 5.0 2.0 - 22.2 (7/8) Brazed 28.58 (1-1/8) Brazed 28.58 (1-1/8) Brazed 28.58 (1-1/8) Brazed C240 KE94G420 n Manual conn. pipe g kit: CMY-Q200CBK S-G2, CMY-R160-J1 116V-KA/CMB-M108, 1012, 1016V-JA1/CMB-P1016V-KA1 108V-KB/CMB-M104, 108V-KB1 I wiring, power source switch, and other items shall be referred subject to change without notice. ejte below 40°C D.B.	
Net weight Heat exchanger HIC circuit (HIC: Heat In Pipe between unit and distributor Drawing Standard attachment Optional parts	Water volume in plate Water pressure Max. ter-Changer) High pressure Low pressure External Wiring Document	I MPa mm (in.)	217 (479) plate type 5.0 2.0 - 22.2 (7/8) Brazed 28.58 (1-1/8) Brazed 28.58 (1-1/8) Brazed KE94G420 Installatio Refrigerant Heat Source Twinnin Joint: CMY-Y102SS// Main BC controller: CMB-P108, 1012, 1016V-JA/CMB-P10 Sub BC controller: CMB-P108, 1012, 1016V-JA/CMB-P104, ' 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 h	217 (479) plate type 5.0 2.0 - 22.2 (7/8) Brazed 28.58 (1-1/8) Brazed C240 KE94G420 n Manual conn. pipe g kit: CMY-Q200CBK LS-G2, CMY-R160-J1 V16V-KA/CMB-M108, 1012, 1016V-JA1/CMB-P1016V-KA1 08V-KB/CMB-M104, 108V-KB1 Id wiring, power source switch, and other items shall be referred subject to change without notice. to be kept below 80%.	
Pipe between unit and distributor Drawing	Water volume in plate Water pressure Max. ter-Changer) High pressure Low pressure External Wiring Document	I MPa mm (in.)	217 (479) plate type 5.0 2.0 - 22.2 (7/8) Brazed 28.58 (1-1/8) Brazed 28.58 (1-1/8) Brazed KE94G420 Installatic Refrigerant Heat Source Twinnin Joint: CMY-Y102SS/I Main BC controller: CMB-P108, 1012, 1016V-JA/CMB-P104, 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 h The ambient tenderie of the heat source unit needs to be h The ambient tenderie of the heat source unit needs to be h The ambient tenderie of the heat source unit needs to the heat source unit needs to the at 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	217 (479) plate type 5.0 2.0 - 22.2 (7/8) Brazed 28.58 (1-1/8) Brazed 28.58 (1-1/8) Brazed C240 KE94G420 n Manual conn. pipe g kit: CMY-Q200CBK S-G2, CMY-R160-J1 016V-KA/CMB-M108, 1012, 1016V-JA1/CMB-P1016V-KA1 108V-KB/CMB-M104, 108V-KB1 I wiring, power source switch, and other items shall be referred subject to change without notice. to kapt below 40°C D.B. be kept below 40°C. B. be kept below 80%. er inlet piping of the unit. circuit.	
Net weight Heat exchanger HIC circuit (HIC: Heat In Pipe between unit and distributor Drawing Standard attachment Optional parts	Water volume in plate Water pressure Max. ter-Changer) High pressure Low pressure External Wiring Document	I MPa mm (in.)	217 (479) plate type 5.0 2.0 - 22.2 (7/8) Brazed 28.58 (1-1/8) Brazed 28.58 (1-1/8) Brazed KL94 KE94G420 Installatic Refrigerant Heat Source Twinnin Joint: CMY-Y102SS/ Main BC controller: CMB-P108, 1012, 1016V-JA/CMB-P10 Sub BC controller: CMB-P104, ' Details on foundation work, duct work, insulation work, electricat 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 the abient temperature of the heat source unit needs to be the the ambient temperature of the heat source unit needs to be the the ambient temperature 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 The heat source winning kit (low pressure) should be connect	217 (479) plate type 5.0 2.0 - 22.2 (7/8) Brazed 28.58 (1-1/8) Brazed 28.58 (1-1/8) Brazed C240 KE94G420 n Manual conn. pipe g kit: CMY-Q200CBK .S-G2, CMY-R160-J1 1/6V-KA/CMB-M108, 1012, 1016V-JA1/CMB-P1016V-KA1 108V-KB/CMB-M104, 108V-KB1 Il wiring, power source switch, and other items shall be referred subject to change without notice. to change without notice. to be kept below 40°C D.B. be kept below 40°C D.B. be kept below 40°C D.B. be kept below 80%. ar inlet piping of the unit. circuit. ed to the low pressure side of the heat source unit.	
Net weight Heat exchanger HIC circuit (HIC: Heat In Pipe between unit and distributor Drawing Standard attachment Optional parts	Water volume in plate Water pressure Max. ter-Changer) High pressure Low pressure External Wiring Document	I MPa mm (in.)	217 (479) plate type 5.0 2.0 - 22.2 (7/8) Brazed 28.58 (1-1/8) Brazed 28.58 (1-1/8) Brazed KE94G420 Installatic Refrigerant Heat Source Twinnin Joint: CMY-Y102SS/I Main BC controller: CMB-P108, 1012, 1016V-JA/CMB-P104, 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 h The ambient tenderie of the heat source unit needs to be h The ambient tenderie of the heat source unit needs to be h The ambient tenderie of the heat source unit needs to the heat source unit needs to the at 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	217 (479) plate type 5.0 2.0 - 22.2 (7/8) Brazed 28.58 (1-1/8) Brazed C240 KE94G420 n Manual conn. pipe g kit: CMY-Q200CBK S-G2, CMY-R160-J1 106V-KA/CMB-M108, 1012, 1016V-JA1/CMB-P1016V-KA1 08V-KB/CMB-M104, 108V-KB1 I wiring, power source switch, and other items shall be referred below 40°C D.B. be kept below 80%. er inlet piping of the unit. circuit. ed to the low pressure side of the heat source unit.	

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.)
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.)

MEES21K154

Unit converter

=kg/0.4536

*Above specification data is subject to rounding variation.

BTU/h =kW x 3,412 =m³/min x 35.31

cfm

Model			PQRY-P750YSLM-A1			
			3-phase 4-wire 380-400-415 V 50/60 Hz			
Power source						
Cooling capacity		l kW	4	5.0		
Nominal)	*			,000		
	Power input	kW	15	.64		
	Current input	A	26.4-25	5.0-24.1		
	EER	kW/kW	5.	43		
Temp. range of	Indoor	W.B.	15.0~24.0°C (59~75°F)			
cooling	Inlet water	°C	10.0~45.0°C			
Heating capacity	**	-		5.0		
Nominal)	*		-	,100		
Nominal)		kW	15			
	Power input					
	Current input	A		5.4-24.5		
	COP	kW/kW		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)			
ndoor unit	Total capacity		50~150% of heat s	ource unit capacity		
connectable	Model/Quantity		P10~P250, M2	20~M140/2~50		
Sound pressure level (me	asured in anechoic room)	dB <a>	5	5		
Sound power level (meas	,	dB <a>	6			
Refrigerant	High pressure	mm (in.)	28.58 (1-1			
piping diameter	Low pressure	mm (in.)	34.93 (1-1	/		
Set Model	Low pressure	[11111 (III.)	34.93 (1-3	ioj brazeu		
				BAFY	050% 14 44	
Model		3	PQRY-P400YLM-A1		350YLM-A1	
Circulating water	Water flow rate	m ³ /h	7.20 -			
		L/min	120 -	+ 120		
		cfm	4.2 -	+ 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 he	ermetic compressor	
- 1	Starting method		Inverter		verter	
	Motor output kW		10.7		9.5	
		-	10.7		9.5	
	Case heater	kW	-		-	
	Lubricant		MEL32		EL32	
External finish		-	Galvanized steel sheets		d steel sheets	
External dimension H x V	/ x D	mm in.	1,450 x 880 x 550 57-1/8 x 34-11/16 x 21-11/16		880 x 550 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		at protection	
Definition					1	
Refrigerant	Type x original charge		R410A x 6.0 kg (14 lbs)		6.0 kg (14 lbs)	
	Control	-	Indoor LEV an			
Net weight		kg (lbs)	217 (479)	217	7 (479)	
Heat exchanger			plate type	plat	te type	
	Water volume in plate	1	5.0		5.0	
	Water pressure Max.	MPa	2.0		2.0	
HIC circuit (HIC: Heat Int			-		-	
Pipe between unit and	High pressure	mm (in.)	22.2 (7/8) Brazed	22.2 (7)	/8) Brazed	
listributor	Low pressure	mm (in.)	28.58 (1-1/8) Brazed		1/8) Brazed	
Drawing	External			C240	, 5.4204	
Drawing					40420	
Disandard atter-burger	Wiring		KE94G420		4G420	
Standard attachment	Document		Installation Manual			
	Accessory		Refrigerant conn. pipe			
Optional parts			Heat Source Twinning kit: CMY-Q200CBK			
			Joint: CMY-Y102SS/	_S-G2, CMY-R160-J1		
			Main BC controller: CMB-P108, 1012, 1016V-JA/CMB-P10	016V-KA/CMB-M108, 1012, 10	16V-JA1/CMB-P1016V-KA1	
			Sub BC controller: CMB-P104,	108V-KB/CMB-M104, 108V-KE	31	
Remarks			Details on foundation work, duct work, insulation work, electrica			
			to the Installation Manual.	•		
			Due to continuing improvement, above specifications may be s		e.	
			The ambient temperature of the heat source unit needs to be			
			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.	ar inlet nining of the		
			Be sure to mount a strainer (more than 50 meshes) at the wate Be sure to provide interlocking for the unit operation and water			
			The heat source twinning kit (low pressure) should be connect		the heat source unit	
			Install the supplied insulation material to the unused drain-soc		noat source arm.	
			When installing insulation material around both water and refri		ation manual.	
			The cooling tower and the water circuit must be a closed circuit	t (water is not exposed to the		
			The cooling tower and the water circuit must be a closed circuit	t (water is not exposed to the a		
Notes:			The cooling tower and the water circuit must be a closed circuit	t (water is not exposed to the a		

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.)

*Above specification data is subject to rounding variation.

=m³/min x 35.31 =kg/0.4536

BTU/h =kW x 3,412

cfm

Model Power source Cooling capacity (Nominal) Temp. range of					
Cooling capacity (Nominal)			PQRY-P800YSLM-A1		
(Nominal)				400-415 V 50/60 Hz	
· · ·		kW	90	0.0	
Temp, range of	*1	I BTU/h	307	,100	
Temp, range of	Power input	kW	16	.57	
Temp, range of	Current input	A	27.9-26	0.5-25.6	
Temp, range of	EER	kW/kW	5.	43	
·	Indoor	W.B.	15.0~24.0°	C (59~75°F)	
cooling	Inlet water	°C	10.0~45.0°C	C (50~113°F)	
Heating capacity	*2	2 kW	10	0.0	
Nominal)	*2	2 BTU/h	341	,200	
,	Power input	kW		.75	
	Current input	A		3.8-25.8	
	COP	kW/kW	5.97		
Temp. range of	Indoor	D.B.			
		°C	15.0~27.0°C (59~81°F) 10.0~45.0°C (50~113°F)		
heating	Inlet water	۰ ل			
Indoor unit	Total capacity		50~150% of heat source unit capacity P10~P250, M20~M140/2~50		
connectable	Model/Quantity	-			
	easured in anechoic room)	dB <a>	5		
Sound power level (meas	,	dB <a>	6		
Refrigerant	High pressure	mm (in.)	28.58 (1-1	/8) Brazed	
piping diameter	Low pressure	mm (in.)	34.93 (1-3	/8) Brazed	
Set Model					
Model			PQRY-P400YLM-A1	PQRY-P400YLM-A1	
Circulating water	Water flow rate	m ³ /h	7.20 -	+ 7.20	
Ū		L/min	120 -	+ 120	
	cfm		4.2 + 4.2		
	Pressure drop	kPa	4.2 + 4.2		
		m ³ /h		44	
0	Operating volume range	111-711			
Compressor	Туре		Inverter scroll hermetic compressor	Inverter scroll hermetic compressor	
	Starting method		Inverter	Inverter	
	Motor output	kW	10.7	10.7	
	Case heater	kW	-	-	
	Lubricant		MEL32	MEL32	
External finish			Galvanized steel sheets	Galvanized steel sheets	
External dimension H x V	VxD	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	
			High pressure sensor, High pressure switch at 4.15 MPa (601	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			R410A x 6.0 kg (14 lbs)	R410A x 6.0 kg (14 lbs)	
Reingerant	Type x original charge				
	Control	1		d BC controller	
Net weight		kg (lbs)	217 (479)	217 (479)	
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	er-Changer)		-	-	
Pipe between unit and	High pressure	mm (in.)	22.2 (7/8) Brazed	22.2 (7/8) Brazed	
listributor	Low pressure	mm (in.)	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	
	External				
บเลพเกิด	Wiring		KL94C240 KE94G420 KE94G420		
Drawing					
0	Document		Installation Manual		
0	Accessory		Refrigerant conn. pipe		
Standard attachment				g kit: CMY-Q200CBK	
Standard attachment			Joint: CMY-Y102SS/	_S-G2, CMY-R160-J1	
Standard attachment					
Standard attachment			Main BC controller: CMB-P108, 1012, 1016V-JA/CMB-P10	016V-KA/CMB-M108, 1012, 1016V-JA1/CMB-P1016V-KA1	
Standard attachment			Main BC controller: CMB-P108, 1012, 1016V-JA/CMB-P10 Sub BC controller: CMB-P104,		
Standard attachment Optional parts			Sub BC controller: CMB-P104, Details on foundation work, duct work, insulation work, electrica	108V-KB/CMB-M104, 108V-KB1	
Drawing Standard attachment Optional parts Remarks			Sub BC controller: CMB-P104, Details on foundation work, duct work, insulation work, electrica to the Installation Manual.	108V-KB/CMB-M104, 108V-KB1 Il wiring, power source switch, and other items shall be referre	
Standard attachment Optional parts			Sub BC controller: CMB-P104, Details on foundation work, duct work, insulation work, electrica to the Installation Manual. Due to continuing improvement, above specifications may be s	108V-KB/CMB-M104, 108V-KB1 Il wiring, power source switch, and other items shall be referre subject to change without notice.	
Standard attachment Optional parts			Sub BC controller: CMB-P104, Details on foundation work, duct work, insulation work, electrica to the Installation Manual. Due to continuing improvement, above specifications may be a The ambient temperature of the heat source unit needs to be P	108V-KB/CMB-M104, 108V-KB1 al wiring, power source switch, and other items shall be referre subject to change without notice. sept below 40°C D.B.	
Standard attachment Optional parts			Sub BC controller: CMB-P104, Details on foundation work, duct work, insulation work, electrica to the Installation Manual. Due to continuing improvement, above specifications may be a The ambient temperature of the heat source unit needs to be The ambient relative humidity of the heat source unit needs to	108V-KB/CMB-M104, 108V-KB1 al wiring, power source switch, and other items shall be referre subject to change without notice. tept below 40°C D.B.	
Standard attachment Optional parts			Sub BC controller: CMB-P104, 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.	108V-KB/CMB-M104, 108V-KB1 al wiring, power source switch, and other items shall be referre subject to change without notice. sept below 40°C D.B. be kept below 80%.	
Standard attachment Optional parts			Sub BC controller: CMB-P104, 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 F 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	108V-KB/CMB-M104, 108V-KB1 al wiring, power source switch, and other items shall be referre subject to change without notice. kept below 40°C D.B. be kept below 80%. er inlet piping of the unit. circuit.	
Standard attachment Optional parts			Sub BC controller: CMB-P104, Details on foundation work, duct work, insulation work, electrica to the Installation Manual. Due to continuing improvement, above specifications may be a The ambient temperature of the heat source unit needs to be h 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 The heat source twinning kit (low pressure) should be connect	108V-KB/CMB-M104, 108V-KB1 al wiring, power source switch, and other items shall be referre subject to change without notice. tept below 40°C D.B. be kept below 80%. er inlet piping of the unit. circuit.	
Standard attachment Optional parts			Sub BC controller: CMB-P104, 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 H 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 The heat source thinsuld into the installed be connect Install the supplied insulation material to the unused drain-soci	108V-KB/CMB-M104, 108V-KB1 Il wiring, power source switch, and other items shall be referre subject to change without notice. tept below 40°C D.B. be kept below 80%. er inlet piping of the unit. circuit. ed to the low pressure side of the heat source unit. et.	
Standard attachment			Sub BC controller: CMB-P104, Details on foundation work, duct work, insulation work, electrica to the Installation Manual. Due to continuing improvement, above specifications may be a The ambient temperature of the heat source unit needs to be h 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 The heat source twinning kit (low pressure) should be connect	108V-KB/CMB-M104, 108V-KB1 Il wiring, power source switch, and other items shall be referr subject to change without notice. tept below 40°C D.B. be kept below 80%. er inlet piping of the unit. circuit. ed to the low pressure side of the heat source unit. ket. gerant piping, follow the installation manual.	

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.)
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.)

MITSUBISHI ELECTRIC CORPORATION

Unit converter

=kg/0.4536

*Above specification data is subject to rounding variation.

BTU/h =kW x 3,412 =m³/min x 35.31

cfm

Model			PQRY-P850YSLM-A1			
			3-phase 4-wire 380-400-415 V 50/60 Hz			
Power source		1.1.1.1	· ·			
Cooling capacity		l kW	-	6.0		
Nominal)	*-			,600		
	Power input	kW	18.03			
	Current input	A	30.4-28	3.9-27.8		
	EER	kW/kW	5.	32		
Temp. range of	Indoor	W.B.	15.0~24.0°C (59~75°F)			
cooling	Inlet water	°C	10.0~45.0°C	, ,		
Heating capacity	**	-	10	1 1		
• • •			4			
Nominal)	**	-		,500		
	Power input	kW	18			
	Current input	A		9.6-28.5		
	COP	kW/kW	5.	84		
Temp. range of	Indoor	D.B.	15.0~27.0°C (59~81°F)			
neating	Inlet water	°C	10.0~45.0°C (50~113°F)			
ndoor unit	Total capacity		50~150% of heat s			
connectable	Model/Quantity		P10~P250, M2			
	easured in anechoic room)	dB <a>	5			
Sound power level (measured in anechoic room) dB <a>				.5		
Refrigerant	High pressure	mm (in.)	28.58 (1-1	/8) Brazed		
piping diameter	Low pressure	mm (in.)	41.28 (1-5	/8) Brazed		
Set Model						
Vodel			PQRY-P450YLM-A1	PQRY-P4	400YLM-A1	
Circulating water	Water flow rate	m ³ /h	7.20			
		L/min	120			
			-			
	-	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 he	ermetic compressor	
	Starting method		Inverter	Inv	verter	
	Motor output kW		11.6		10.7	
	· · · · · · · · · · · · · · · · · · ·	-	11.0		10.7	
	Case heater	kW	-		-	
	Lubricant		MEL32		EL32	
External finish			Galvanized steel sheets	Galvanized	d steel sheets	
External dimension H x V	V x D	mm in.	1,450 x 880 x 550 57-1/8 x 34-11/16 x 21-11/16		880 x 550 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		at protection	
Refrigerant	Type x original charge		R410A x 6.0 kg (14 lbs)		5.0 kg (14 lbs)	
	Control	-	Indoor LEV an	d BC controller		
Net weight		kg (lbs)	217 (479)	217	' (479)	
leat exchanger			plate type	plat	te type	
5	Water volume in plate	1	5.0		5.0	
	Water pressure Max.	MPa	2.0		2.0	
	· · ·	IVIF C				
HC circuit (HIC: Heat Int			-		-	
Pipe between unit and	High pressure	mm (in.)	22.2 (7/8) Brazed		/8) Brazed	
istributor	Low pressure	mm (in.)	28.58 (1-1/8) Brazed	28.58 (1-	1/8) Brazed	
Drawing	External		KL94	C240		
	Wiring		KE94G420	KE9	4G420	
Standard attachment	Document			n Manual		
	Accessory					
Intional parts	,		Refrigerant conn. pipe			
Optional parts			Heat Source Twinning kit: CMY-Q200CBK			
			Joint: CMY-Y102SS/			
			Main BC controller: CMB-P108, 1012, 1016V-JA/CMB-P10			
			Sub BC controller: CMB-P104,	108V-KB/CMB-M104, 108V-KB	31	
Remarks			Details on foundation work, duct work, insulation work, electrica	I wiring, power source switch, a	and other items shall be refe	
			to the Installation Manual.			
			Due to continuing improvement, above specifications may be		e.	
			The ambient temperature of the heat source unit needs to be			
			The ambient relative humidity of the heat source unit needs to	DE KEPT DEIOW 80%.		
			The heat source unit should not be installed at outdoor. Be sure to mount a strainer (more than 50 meshes) at the wate	ar inlet nining of the unit		
			Be sure to mount a strainer (more than 50 mesnes) at the water Be sure to provide interlocking for the unit operation and water			
			The heat source twinning kit (low pressure) should be connect		the heat source unit	
				sa is ino ion prosouro side Uri		
				ket.		
			Install the supplied insulation material to the unused drain-soc When installing insulation material around both water and refri			
			Install the supplied insulation material to the unused drain-soc	gerant piping, follow the installa	ation manual.	
			Install the supplied insulation material to the unused drain-soci When installing insulation material around both water and refri	gerant piping, follow the installa	ation manual.	
Notes:			Install the supplied insulation material to the unused drain-soci When installing insulation material around both water and refri	gerant piping, follow the installa	ation manual.	

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 =kW x 3,412

=m³/min x 35.31 =kg/0.4536

*Above specification data is subject to rounding variation.

cfm

Maria I al					
Model Power source			PQRY-P900YSLM-A1 3-phase 4-wire 380-400-415 V 50/60 Hz		
Power source					
Cooling capacity		kW	10	1.0	
(Nominal)		l BTU/h	344,600		
	Power input	kW	19	38	
	Current input	A	32.7-31	.0-29.9	
	EER	kW/kW	5.	21	
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	11	3.0	
Nominal)	**	2 BTU/h	385	600	
	Power input	kW	19	74	
	Current input	А	33.3-31	.6-30.5	
	COP	kW/kW	5.	72	
Temp. range of	Indoor	D.B.	15.0~27.0°0	C (59~81°F)	
heating	Inlet water	°C	10.0~45.0°C (50~113°F)		
Indoor unit	Total capacity		50~150% of heat source unit capacity		
connectable	Model/Quantity		P10~P250, M2		
	easured in anechoic room)	dB <a>	5		
	sured in anechoic room)	dB <a>	7		
Refrigerant	High pressure	mm (in.)	28.58 (1-1		
piping diameter	Low pressure	mm (in.)	41.28 (1-5	,	
Set Model		[(III.)	41.20 (1-3		
Model			PQRY-P450YLM-A1	PQRY-P450YLM-A1	
Circulating water	Water flow rate	m ³ /h	7.20 -		
Circulating water	Water now rate	-			
	L/min cfm		120 + 120 4.2 + 4.2		
	Deserves deser	cim kPa			
	Pressure drop		44	44	
	Operating volume range	m ³ /h		11.6 + 11.6	
Compressor	Туре		Inverter scroll hermetic compressor	Inverter scroll hermetic compressor	
	Starting method		Inverter	Inverter	
	Motor output	kW	11.6	11.6	
	Case heater	kW	-	-	
	Lubricant		MEL32	MEL32	
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	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	High pressure sensor, High pressure switch at 4.15 MPa (60	
	riigh preseure preseuren		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		R410A x 6.0 kg (14 lbs)	R410A x 6.0 kg (14 lbs)	
Refrigerant	- ·			R410A x 6.0 kg (14 lbs) d BC controller	
-	Type x original charge	kg (lbs)			
Net weight	Type x original charge	kg (lbs)	Indoor LEV an 217 (479)	d BC controller 217 (479)	
Net weight	Type x original charge Control	kg (lbs)	Indoor LEV an 217 (479) plate type	d BC controller 217 (479) plate type	
Net weight	Type x original charge Control Water volume in plate	1	Indoor LEV an 217 (479) plate type 5.0	d BC controller 217 (479) plate type 5.0	
Net weight Heat exchanger	Type x original charge Control Water volume in plate Water pressure Max.	kg (lbs)	Indoor LEV an 217 (479) plate type 5.0 2.0	d BC controller 217 (479) plate type	
Net weight Heat exchanger HIC circuit (HIC: Heat In	Type x original charge Control Water volume in plate Water pressure Max. ter-Changer)	l MPa	Indoor LEV an 217 (479) plate type 5.0 2.0 -	d BC controller 217 (479) plate type 5.0 2.0 -	
Net weight Heat exchanger HIC circuit (HIC: Heat In Pipe between unit and	Type x original charge Control Water volume in plate Water pressure Max. ter-Changer) High pressure	I MPa mm (in.)	Indoor LEV an 217 (479) plate type 5.0 2.0 - 22.2 (7/8) Brazed	d BC controller 217 (479) plate type 5.0 2.0 - 22.2 (7/8) Brazed	
Net weight Heat exchanger HIC circuit (HIC: Heat In Pipe between unit and distributor	Type x original charge Control Water volume in plate Water pressure Max. ter-Changer) High pressure Low pressure	l MPa	Indoor LEV an 217 (479) plate type 5.0 2.0 - 22.2 (7/8) Brazed 28.58 (1-1/8) Brazed	d BC controller 217 (479) plate type 5.0 2.0 - 22.2 (7/8) Brazed 28.58 (1-1/8) Brazed	
Net weight Heat exchanger HIC circuit (HIC: Heat In Pipe between unit and distributor	Type x original charge Control Water volume in plate Water pressure Max. ter-Changer) High pressure Low pressure External	I MPa mm (in.)	Indoor LEV an 217 (479) plate type 5.0 2.0 - 22.2 (7/8) Brazed 28.58 (1-1/8) Brazed KL94	d BC controller 217 (479) plate type 5.0 2.0 - 22.2 (7/8) Brazed 28.58 (1-1/8) Brazed C240	
Net weight Heat exchanger HIC circuit (HIC: Heat In Pipe between unit and distributor Drawing	Type x original charge Control Water volume in plate Water pressure Max. ter-Changer) High pressure Low pressure External Wiring	I MPa mm (in.)	Indoor LEV an 217 (479) plate type 5.0 2.0 - 22.2 (7/8) Brazed 28.58 (1-1/8) Brazed KL94 KE94G420	d BC controller 217 (479) plate type 5.0 2.0 - 22.2 (7/8) Brazed 28.58 (1-1/8) Brazed C240 KE94G420	
Net weight Heat exchanger HIC circuit (HIC: Heat In Pipe between unit and listributor Drawing	Type x original charge Control Water volume in plate Water pressure Max. ter-Changer) High pressure Low pressure External Wiring Document	I MPa mm (in.)	Indoor LEV an 217 (479) plate type 5.0 2.0 - 22.2 (7/8) Brazed 28.58 (1-1/8) Brazed KL94 KE94G420 Installatio	d BC controller 217 (479) plate type 5.0 2.0 - 22.2 (7/8) Brazed 28.58 (1-1/8) Brazed C240 KE94G420 n Manual	
Net weight Heat exchanger HIC circuit (HIC: Heat In Pipe between unit and listributor Drawing Standard attachment	Type x original charge Control Water volume in plate Water pressure Max. ter-Changer) High pressure Low pressure External Wiring	I MPa mm (in.)	Indoor LEV an 217 (479) plate type 5.0 2.0 - 22.2 (7/8) Brazed 28.58 (1-1/8) Brazed KL94 KE94G420 Installatic Refrigerant	d BC controller 217 (479) plate type 5.0 2.0 - 22.2 (7/8) Brazed 28.58 (1-1/8) Brazed C240 KE94G420 n Manual conn. pipe	
Net weight Heat exchanger HIC circuit (HIC: Heat In Pipe between unit and distributor Drawing Standard attachment	Type x original charge Control Water volume in plate Water pressure Max. ter-Changer) High pressure Low pressure External Wiring Document	I MPa mm (in.)	Indoor LEV an 217 (479) plate type 5.0 2.0 - 22.2 (7/8) Brazed 28.58 (1-1/8) Brazed KL94 KE94G420 Installatic Refrigerant	d BC controller 217 (479) plate type 5.0 2.0 - 22.2 (7/8) Brazed 28.58 (1-1/8) Brazed C240 KE94G420 n Manual	
Net weight Heat exchanger HIC circuit (HIC: Heat In Pipe between unit and listributor Drawing Standard attachment	Type x original charge Control Water volume in plate Water pressure Max. ter-Changer) High pressure Low pressure External Wiring Document	I MPa mm (in.)	Indoor LEV an 217 (479) plate type 5.0 2.0 - 22.2 (7/8) Brazed 28.58 (1-1/8) Brazed KL94 KE94G420 Installatic Refrigerant Heat Source Twinnin Joint: CMY-Y102SS//	d BC controller 217 (479) plate type 5.0 2.0 - 22.2 (7/8) Brazed 28.58 (1-1/8) Brazed C240 KE94G420 n Manual conn. pipe g kit: CMY-Q200CBK .S-G2, CMY-R160-J1	
Net weight Heat exchanger HIC circuit (HIC: Heat In Pipe between unit and listributor Drawing Standard attachment	Type x original charge Control Water volume in plate Water pressure Max. ter-Changer) High pressure Low pressure External Wiring Document	I MPa mm (in.)	Indoor LEV an 217 (479) plate type 5.0 2.0 - 22.2 (7/8) Brazed 28.58 (1-1/8) Brazed KL94 KE94G420 Installatic Refrigerant Heat Source Twinnin Joint: CMY-Y102SS/ Main BC controller: CMB-P108, 1012, 1016V-JA/CMB-P10	d BC controller 217 (479) plate type 5.0 2.0 - 22.2 (7/8) Brazed 28.58 (1-1/8) Brazed C240 KE94G420 n Manual conn. pipe g kit: CMY-Q200CBK LS-G2, CMY-R160-J1 116V-KA/CMB-M108, 1012, 1016V-JA1/CMB-P1016V-KA1	
Net weight Heat exchanger HIC circuit (HIC: Heat In Pipe between unit and distributor Drawing Standard attachment	Type x original charge Control Water volume in plate Water pressure Max. ter-Changer) High pressure Low pressure External Wiring Document	I MPa mm (in.)	Indoor LEV an 217 (479) plate type 5.0 2.0 - 22.2 (7/8) Brazed 28.58 (1-1/8) Brazed KL94 KE94G420 Installatic Refrigerant Heat Source Twinnin Joint: CMY-Y102SS//	d BC controller 217 (479) plate type 5.0 2.0 - 22.2 (7/8) Brazed 28.58 (1-1/8) Brazed C240 KE94G420 n Manual conn. pipe g kit: CMY-Q200CBK LS-G2, CMY-R160-J1 1/6V-KA/CMB-M108, 1012, 1016V-JA1/CMB-P1016V-KA1	
Net weight Heat exchanger HIC circuit (HIC: Heat In Pipe between unit and distributor Drawing Standard attachment Optional parts	Type x original charge Control Water volume in plate Water pressure Max. ter-Changer) High pressure Low pressure External Wiring Document	I MPa mm (in.)	Indoor LEV an 217 (479) plate type 5.0 2.0 - 22.2 (7/8) Brazed 28.58 (1-1/8) Brazed KL94 KE94G420 Installatic Refrigerant Heat Source Twinnin Joint: CMY-Y102SS// Main BC controller: CMB-P108, 1012, 1016V-JA/CMB-P104, ' Sub BC controller: CMB-P104, ' Sub BC controller: CMB-P104, ' Sub BC controller: CMB-P104, '	d BC controller 217 (479) plate type 5.0 2.0 - 22.2 (7/8) Brazed 28.58 (1-1/8) Brazed C240 KE94G420 n Manual conn. pipe g kit: CMY-Q200CBK S-G2, CMY-R160-J1 1/6V-KA/CMB-M108, 1012, 1016V-JA1/CMB-P1016V-KA1 108V-KB/CMB-M104, 108V-KB1	
Refrigerant Net weight Heat exchanger HIC circuit (HIC: Heat In Pipe between unit and distributor Drawing Standard attachment Optional parts Remarks	Type x original charge Control Water volume in plate Water pressure Max. ter-Changer) High pressure Low pressure External Wiring Document	I MPa mm (in.)	Indoor LEV an 217 (479) plate type 5.0 2.0 - 22.2 (7/8) Brazed 28.58 (1-1/8) Brazed 28.58 (1-1/8) Brazed 28.58 (1-1/8) Brazed KL94 KE94G420 Installatic Refrigerant Heat Source Twinnin Joint: CMY-Y102SS/I Main BC controller: CMB-P108, 1012, 1016V-JA/CMB-P10 Sub BC controller: CMB-P108, 1012, 1016V-JA/CMB-P104, ' Details on foundation work, duct work, insulation work, electrica to the Installation Manual.	d BC controller 217 (479) plate type 5.0 2.0 - 22.2 (7/8) Brazed 28.58 (1-1/8) Brazed C240 KE94G420 n Manual conn. pipe g kit: CMY-Q200CBK .S-G2, CMY-R160-J1 116V-KA/CMB-M108, 1012, 1016V-JA1/CMB-P1016V-KA1 108V-KB/CMB-M104, 108V-KB1 Il wiring, power source switch, and other items shall be referred	
Net weight Heat exchanger HIC circuit (HIC: Heat In Pipe between unit and distributor Drawing Standard attachment Optional parts	Type x original charge Control Water volume in plate Water pressure Max. ter-Changer) High pressure Low pressure External Wiring Document	I MPa mm (in.)	Indoor LEV an 217 (479) plate type 5.0 2.0 - 22.2 (7/8) Brazed 28.58 (1-1/8) Brazed 28.58 (1-1/8) Brazed KL94 KE94G420 Installatio Refrigerant Heat Source Twinnin Joint: CMY-Y102SS/ Main BC controller: CMB-P108, 1012, 1016V-JA/CMB-P104, ' Sub BC controller: CMB-P108, 1012, 1016V-JA/CMB-P104, ' Details on foundation work, duct work, insulation work, electrica to the Installation Manual. Due to continuing improvement, above specifications may be se	d BC controller 217 (479) plate type 5.0 2.0 - 22.2 (7/8) Brazed 28.58 (1-1/8) Brazed 28.58 (1-1/8) Brazed C240 KE94G420 n Manual conn. pipe g kit: CMY-Q200CBK .S-G2, CMY-R160-J1 116V-KA/CMB-M108, 1012, 1016V-JA1/CMB-P1016V-KA1 108V-KB/CMB-M104, 108V-KB1 il wiring, power source switch, and other items shall be referred subject to change without notice.	
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Net weight Heat exchanger HIC circuit (HIC: Heat In Pipe between unit and distributor Drawing Standard attachment Optional parts	Type x original charge Control Water volume in plate Water pressure Max. ter-Changer) High pressure Low pressure External Wiring Document	I MPa mm (in.)	Indoor LEV an 217 (479) plate type 5.0 2.0 - 22.2 (7/8) Brazed 28.58 (1-1/8) Brazed 28.58 (1-1/8) Brazed KL94 KE94G420 Installatio Refrigerant Heat Source Twinnin Joint: CMY-Y102SS/ Main BC controller: CMB-P108, 1012, 1016V-JA/CMB-P104, ' Sub BC controller: CMB-P108, 1012, 1016V-JA/CMB-P104, ' Details on foundation work, duct work, insulation work, electrica to the Installation Manual. Due to continuing improvement, above specifications may be se	d BC controller 217 (479) plate type 5.0 2.0 - 22.2 (7/8) Brazed 28.58 (1-1/8) Brazed C240 KE94G420 n Manual conn. pipe g kit: CMY-Q200CBK LS-G2, CMY-R160-J1 116V-KA/CMB-M108, 1012, 1016V-JA1/CMB-P1016V-KA1 08V-KB/CMB-M104, 108V-KB1 Il wiring, power source switch, and other items shall be referred subject to change without notice. kept below 40°C D.B.	
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Net weight Heat exchanger HIC circuit (HIC: Heat In Pipe between unit and distributor Drawing Standard attachment Optional parts	Type x original charge Control Water volume in plate Water pressure Max. ter-Changer) High pressure Low pressure External Wiring Document	I MPa mm (in.)	Indoor LEV an 217 (479) plate type 5.0 2.0 2.2 (7/8) Brazed 22.2 (7/8) Brazed 28.58 (1-1/8) Brazed 28.58 (1-1/8) Brazed KL94 KE94G420 Installatic Refrigerant Heat Source Twinnin Joint: CMY-Y102SS/I Main BC controller: CMB-P108, 1012, 1016V-JA/CMB-P104, CSub BC controller: CMB-P108, 1012, 1016V-JA/CMB-P104, Details on foundation work, duct work, insulation work, electrice to the Installation Manual. Due to continuing improvement, above specifications may be s The ambient temperature of the heat source unit needs to be h The ambient temperature of the heat source unit needs to be the ambient temperature of the heat source unit needs to the 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	d BC controller 217 (479) plate type 5.0 2.0 - 22.2 (7/8) Brazed 28.58 (1-1/8) Brazed 28.58 (1-1/8) Brazed C240 KE94G420 n Manual conn. pipe g kit: CMY-Q200CBK S-G2, CMY-R160-J1 106V-KA/CMB-M108, 1012, 1016V-JA1/CMB-P1016V-KA1 108V-KB/CMB-M104, 108V-KB1 I wiring, power source switch, and other items shall be referred subject to change without notice. to the without not	
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Net weight Heat exchanger HIC circuit (HIC: Heat In Pipe between unit and distributor Drawing Standard attachment Optional parts	Type x original charge Control Water volume in plate Water pressure Max. ter-Changer) High pressure Low pressure External Wiring Document	I MPa mm (in.)	Indoor LEV an 217 (479) plate type 5.0 2.0 2.2 (7/8) Brazed 22.2 (7/8) Brazed 28.58 (1-1/8) Brazed 28.58 (1-1/8) Brazed KL94 KE94G420 Installatic Refrigerant Heat Source Twinnin Joint: CMY-Y102SS/I Main BC controller: CMB-P108, 1012, 1016V-JA/CMB-P104, CSub BC controller: CMB-P108, 1012, 1016V-JA/CMB-P104, Details on foundation work, duct work, insulation work, electrice to the Installation Manual. Due to continuing improvement, above specifications may be s The ambient temperature of the heat source unit needs to be h The ambient temperature of the heat source unit needs to be the ambient temperature of the heat source unit needs to the 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	d BC controller 217 (479) plate type 5.0 2.0 2.0 2.2.2 (7/8) Brazed 28.58 (1-1/8) Brazed C240 KE94G420 n Manual conn. pipe g kit: CMY-Q200CBK LS-G2, CMY-R160-J1 1/6V-KA/CMB-M108, 1012, 1016V-JA1/CMB-P1016V-KA1 108V-KB/CMB-M108, 1016V-KB1 108V-KB/CMB-M108, 1012, 1016V-KB1 108V-KB	

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.)
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.)

MEES21K154

Unit converter

=kg/0.4536

*Above specification data is subject to rounding variation.

BTU/h =kW x 3,412 =m³/min x 35.31

cfm