

# 1. SPECIFICATIONS

DATA G6

Model			PQHY-P200YHM-A	PQHY-P250YHM-A	
Power source			3-phase 4-wire 380-400-415V 50/60Hz		
Cooling capacity (Nominal)	*1	kW	22.4	28.0	
	*1	kcal / h	19,300	24,100	
	*1	BTU / h	76,400	95,500	
	Power input		kW	3.92	5.45
	Current input		A	6.6-6.2-6.0	9.2-8.7-8.4
COP		kW / kW	5.71	5.13	
Temp. range of cooling	Indoor	W.B.	15.0 ~ 24.0°C(59 ~ 75°F)		
	Circulating water	°C	10.0 ~ 45.0°C(50 ~ 113°F)		
Heating capacity (Nominal)	*2	kW	25.0	31.5	
	*2	kcal / h	21,500	27,100	
	*2	BTU / h	85,300	107,500	
	Power input		kW	4.12	5.80
	Current input		A	6.9-6.6-6.3	9.7-9.3-8.9
COP		kW / kW	6.06	5.43	
Temp. range of heating	Indoor	D.B.	15.0 ~ 27.0°C(59 ~ 81°F)		
	Circulating water	°C	10.0 ~ 45.0°C(50 ~ 113°F)		
Indoor unit connectable	Total capacity		50 ~ 130 % of heat source unit capacity		
	Model / Quantity		P15 ~ P250 / 1 ~ 17		
Sound pressure level (measured in anechoic room)			47	49	
Refrigerant piping diameter	Liquid pipe	mm (in.)	9.52(3/8) Brazed	9.52(3/8) Brazed (12.7(1/2) Brazed, total length >= 90m)	
	Gas pipe	mm (in.)	19.05(3/4) Brazed	22.2(7/8) Brazed	
Circulating water	Water flow rate	m <sup>3</sup> / h	5.76	5.76	
		L / min	96	96	
		cfm	3.4	3.4	
	Pressure drop	kPa	17	17	
	Operating volume range	m <sup>3</sup> / h	4.5 ~ 7.2	4.5 ~ 7.2	
Compressor	Type x Quantity		Inverter scroll hermetic compressor		
	Manufacture		AC&R Works, MITSUBISHI ELECTRIC CORPORATION		
	Starting method		Inverter		
	Motor output	kW	4.6	6.3	
	Case heater	kW	0.035(240 V)	0.035(240 V)	
Lubricant		MEL32			
External finish			Acrylic painted steel plate		
External dimension HxWxD	mm		1,160(1,100 without legs) x 880 x 550		
	in.		45-11/16(43-5/16 without legs) x 34-11/16 x 21-11/16		
Protection devices	High pressure protection		High pressure sensor, High pressure switch at 4.15MPa (601 psi)		
	Inverter circuit (COMP.)		Over-heat protection, Over-current protection		
	Compressor		Over-heat protection		
Refrigerant	Type x original charge		R410A x 5.0kg (12lbs)		
	Control		Indoor LEV and BC controller		
Net weight	kg (lbs)		195(430)		
Heat exchanger			plate type		
	Water volume in plate	l	5.0		
	Water pressure Max.	MPa	1.0		
HIC circuit (HIC: Heat Inter-Changer)			-		
Drawing	External		KB94T222		
	Wiring		KE94C317		
Standard attachment	Document		Installation Manual		
	Accessory		Refrigerant conn. pipe		
Optional parts			Joint: CMY-Y102S-G2 Header: CMY-Y104/108/1010-G		
Remarks			<ul style="list-style-type: none"> <li>•Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.</li> <li>•Due to continuing improvement, above specifications may be subject to change without notice.</li> <li>•The ambient temperature of the heat source unit needs to be kept below 40°C D.B.</li> <li>•The ambient relative humidity of the heat source unit needs to be kept below 80%.</li> <li>•The heat source Unit should not be installed at outdoor.</li> <li>•Be sure to mount a strainer (more than 50 meshes) at the water inlet piping of the unit.</li> <li>•Be sure to provide interlocking for the unit operation and water circuit.</li> </ul>		

Notes :	1.Nominal cooling conditions(subject to JIS B8615-1)	Indoor:27°CDB/19°CWB(81°FDB/66°FWB), Water temperature:30°C(86°F)	Unit converter kcal =kW x 860 BTU/h =kW x 3,412 cfm =m <sup>3</sup> /min x 35.31 lbs =kg / 0.4536
	Pipe length:7.5m(24-9/16ft.), Level difference:0m(0ft.)		
	2.Nominal heating conditions(subject to JIS B8615-1)	Indoor:20°CDB(68°FDB), Water temperature:20°C(68°F)	
	Pipe length:7.5m(24-9/16ft.), Level difference:0m(0ft.)		
	*The specification data is subject to rounding variation.		

Model		PQHY-P300YHM-A	
Power source		3-phase 4-wire 380-400-415V 50/60Hz	
Cooling capacity (Nominal)	*1 kW	33.5	
	*1 kcal / h	28,800	
	*1 BTU / h	114,300	
	Power input	kW	7.36
	Current input	A	12.4-11.8-11.3
COP		kW / kW	4.55
Temp. range of cooling	Indoor	W.B.	15.0 ~ 24.0°C(59 ~ 75°F)
	Circulating water	°C	10.0 ~ 45.0°C(50 ~ 113°F)
Heating capacity (Nominal)	*2 kW	37.5	
	*2 kcal / h	32,300	
	*2 BTU / h	128,000	
	Power input	kW	8.15
	Current input	A	13.7-13.0-12.5
COP		kW / kW	4.60
Temp. range of heating	Indoor	D.B.	15.0 ~ 27.0°C(59 ~ 81°F)
	Circulating water	°C	10.0 ~ 45.0°C(50 ~ 113°F)
Indoor unit connectable	Total capacity	50 ~ 130 % of heat source unit capacity	
	Model / Quantity	P15 ~ P250 / 1 ~ 26	
Sound pressure level (measured in anechoic room)		dB <A>	50
Refrigerant piping diameter	Liquid pipe	mm (in.)	9.52(3/8) Brazed (12.7(1/2) Brazed, total length >= 40m)
	Gas pipe	mm (in.)	22.2(7/8) Brazed
Circulating water	Water flow rate	m <sup>3</sup> / h	5.76
		L / min	96
		cfm	3.4
	Pressure drop	kPa	17
	Operating volume range	m <sup>3</sup> / h	4.5 ~ 7.2
Compressor	Type x Quantity		Inverter scroll hermetic compressor
	Manufacture		AC&R Works, MITSUBISHI ELECTRIC CORPORATION
	Starting method		Inverter
	Motor output	kW	7.4
	Case heater	kW	0.035(240 V)
	Lubricant		MEL32
External finish		Acrylic painted steel plate	
External dimension HxWxD	mm		1,160(1,100 without legs) x 880 x 550
	in.		45-11/16(43-5/16 without legs) x 34-1/16 x 21-11/16
Protection devices	High pressure protection		High pressure sensor, High pressure switch at 4.15MPa (601 psi)
	Inverter circuit (COMP.)		Over-heat protection, Over-current protection
	Compressor		Over-heat protection
Refrigerant	Type x original charge		R410A x 5.0kg (12lbs)
	Control		Indoor LEV and BC controller
Net weight	kg (lbs)	195(430)	
Heat exchanger		plate type	
	Water volume in plate	l	5.0
	Water pressure Max.	MPa	1.0
HIC circuit (HIC: Heat Inter-Changer)		-	
Drawing	External		KB94T222
	Wiring		KE94C317
Standard attachment	Document		Installation Manual
	Accessory		Refrigerant conn. pipe
Optional parts		Joint: CMY-Y102S-G2, CMY-Y102L-G2 Header: CMY-Y104/108/1010-G	
Remarks	<ul style="list-style-type: none"> <li>● Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.</li> <li>● Due to continuing improvement, above specifications may be subject to change without notice.</li> <li>● The ambient temperature of the heat source unit needs to be kept below 40°C D.B.</li> <li>● The ambient relative humidity of the heat source unit needs to be kept below 80%.</li> <li>● The heat source Unit should not be installed at outdoor.</li> <li>● Be sure to mount a strainer (more than 50 meshes) at the water inlet piping of the unit.</li> <li>● Be sure to provide interlocking for the unit operation and water circuit.</li> </ul>		

Notes :	Unit converter
1.Nominal cooling conditions(subject to JIS B8615-1) Indoor:27°CDB/19°CWB(81°FDB/66°FWB), Water temperature:30°C(86°F) Pipe length:7.5m(24-9/16ft.), Level difference:0m(0ft.)	kcal =kW x 860 BTU/h =kW x 3,412
2.Nominal heating conditions(subject to JIS B8615-1) Indoor:20°CDB(68°FDB), Water temperature:20°C(68°F) Pipe length:7.5m(24-9/16ft.), Level difference:0m(0ft.)	cfm =m <sup>3</sup> /min x 35.31 lbs =kg / 0.4536
	*The specification data is subject to rounding variation.



# 1. SPECIFICATIONS

Model			<b>PQHY-P400YSHM-A</b>			
Power source			3-phase 4-wire 380-400-415V 50/60Hz			
Cooling capacity (Nominal)	*1	kW	45.0			
	*1	kcal / h	38,700			
	*1	BTU / h	153,500			
	Power input		kW	8.25		
	Current input		A	13.9-13.2-12.7		
COP		kW / kW	5.45			
Temp. range of cooling	Indoor	W.B.	15.0 ~ 24.0°C(59 ~ 75°F)			
	Circulating water	°C	10.0 ~ 45.0°C(50 ~ 113°F)			
Heating capacity (Nominal)	*2	kW	50.0			
	*2	kcal / h	43,000			
	*2	BTU / h	170,600			
	Power input		kW	8.65		
	Current input		A	14.6-13.8-13.3		
COP		kW / kW	5.78			
Temp. range of heating	Indoor	D.B.	15.0 ~ 27.0°C(59 ~ 81°F)			
	Circulating water	°C	10.0 ~ 45.0°C(50 ~ 113°F)			
Indoor unit connectable	Total capacity		50 ~ 130 % of heat source unit capacity			
	Model / Quantity		P15 ~ P250 / 1 ~ 34			
Sound pressure level (measured in anechoic room)			dB <A> 50			
Refrigerant piping diameter	Liquid pipe	mm (in.)	12.7(1/2) Brazed			
	Gas pipe	mm (in.)	28.58(1-1/8) Brazed			

Set Model						
Model			<b>PQHY-P200YHM-A</b>		<b>PQHY-P200YHM-A</b>	
Circulating water	Water flow rate	m <sup>3</sup> / h	5.76 + 5.76			
		L / min	96 + 96			
		cfm	3.4 + 3.4			
	Pressure drop	kPa	17		17	
Operating volume range	m <sup>3</sup> / h		4.5 + 4.5 ~ 7.2 + 7.2			
Compressor	Type x Quantity		Inverter scroll hermetic compressor		Inverter scroll hermetic compressor	
	Manufacture		AC&R Works, MITSUBISHI ELECTRIC CORPORATION		AC&R Works, MITSUBISHI ELECTRIC CORPORATION	
	Starting method		Inverter		Inverter	
	Motor output	kW	4.6		4.6	
	Case heater	kW	0.035(240 V)		0.035(240 V)	
	Lubricant		MEL32		MEL32	
External finish			Acrylic painted steel plate		Acrylic painted steel plate	
External dimension HxWxD		mm	1,160(1,100 without legs) x 880 x 550		1,160(1,100 without legs) x 880 x 550	
		in.	45-11/16(43-5/16 without legs) x 34-11/16 x 21-11/16		45-11/16(43-5/16 without legs) x 34-11/16 x 21-11/16	
Protection devices	High pressure protection		High pressure sensor, High pressure switch at 4.15MPa (601 psi)		High pressure sensor, High pressure switch at 4.15MPa (601 psi)	
	Inverter circuit (COMP.)		Over-heat protection, Over-current protection		Over-heat protection, Over-current protection	
	Compressor		Over-heat protection		Over-heat protection	
Refrigerant	Type x original charge		R410A x 5.0kg (12lbs)		R410A x 5.0kg (12lbs)	
	Control		Indoor LEV and BC controller			
Net weight		kg (lbs)	195(430)		195(430)	
Heat exchanger			plate type		plate type	
	Water volume in plate	l	5.0		5.0	
	Water pressure Max.	MPa	1.0		1.0	
HIC circuit (HIC: Heat Inter-Changer)			-		-	
Pipe between unit and distributor	Liquid pipe	mm (in.)	9.52(3/8) Brazed		9.52(3/8) Brazed	
	Gas pipe	mm (in.)	19.05(3/4) Brazed		19.05(3/4) Brazed	
Drawing	External		KB94T223			
	Wiring		KE94C317		KE94C317	
Standard attachment	Document		Installation Manual			
	Accessory		Refrigerant conn. pipe			
Optional parts			Heat Source Twinning kit: CMY-Y100VBK2 Joint: CMY-Y102S-G2, CMY-Y102L-G2, CMY-Y202-G2 Header: CMY-Y104/108/1010-G			
Remarks			<ul style="list-style-type: none"> <li>•Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.</li> <li>•Due to continuing improvement, above specifications may be subject to change without notice.</li> <li>•The ambient temperature of the heat source unit needs to be kept below 40°C D.B.</li> <li>•The ambient relative humidity of the heat source unit needs to be kept below 80%.</li> <li>•The heat source Unit should not be installed at outdoor.</li> <li>•Be sure to mount a strainer (more than 50 meshes) at the water inlet piping of the unit.</li> <li>•Be sure to provide interlocking for the unit operation and water circuit.</li> </ul>			

Notes :	Unit converter
1.Nominal cooling conditions(subject to JIS B8615-1) Indoor:27°CDB/19°CWB(81°FDB/66°FWB), Water temperature:30°C(86°F) Pipe length:7.5m(24-9/16ft.), Level difference:0m(0ft.)	kcal =kW x 860 BTU/h =kW x 3,412
2.Nominal heating conditions(subject to JIS B8615-1) Indoor:20°CDB(68°FDB), Water temperature:20°C(68°F) Pipe length:7.5m(24-9/16ft.), Level difference:0m(0ft.)	cfm =m <sup>3</sup> /min x 35.31 lbs =kg / 0.4536
	*The specification data is subject to rounding variation.

# 1. SPECIFICATIONS

Model			PQHY-P450YSHM-A		
Power source			3-phase 4-wire 380-400-415V 50/60Hz		
Cooling capacity (Nominal)	*1	kW	50.0		
	*1	kcal / h	43,000		
	*1	BTU / h	170,600		
	Power input		kW		
	Current input		A		
COP		kW / kW		5.08	
Temp. range of cooling	Indoor	W.B.	15.0 ~ 24.0°C(59 ~ 75°F)		
	Circulating water		°C		10.0 ~ 45.0°C(50 ~ 113°F)
Heating capacity (Nominal)	*2	kW	56.0		
	*2	kcal / h	48,200		
	*2	BTU / h	191,100		
	Power input		kW		10.42
	Current input		A		17.5-16.7-16.1
COP		kW / kW		5.37	
Temp. range of heating	Indoor	D.B.	15.0 ~ 27.0°C(59 ~ 81°F)		
	Circulating water		°C		10.0 ~ 45.0°C(50 ~ 113°F)
Indoor unit connectable	Total capacity		50 ~ 130 % of heat source unit capacity		
	Model / Quantity		P15 ~ P250 / 1 ~ 39		
Sound pressure level (measured in anechoic room)		dB <A>	51		
Refrigerant piping diameter	Liquid pipe	mm (in.)	15.88(5/8) Brazed		
	Gas pipe	mm (in.)	28.58(1-1/8) Brazed		

Set Model			PQHY-P250YHM-A		PQHY-P200YHM-A	
Circulating water	Water flow rate	m <sup>3</sup> / h	5.76 + 5.76			
		L / min	96 + 96			
		cfm	3.4 + 3.4			
	Pressure drop	kPa	17		17	
Operating volume range		m <sup>3</sup> / h	4.5 + 4.5 ~ 7.2 + 7.2			
Compressor	Type x Quantity		Inverter scroll hermetic compressor		Inverter scroll hermetic compressor	
	Manufacture		AC&R Works, MITSUBISHI ELECTRIC CORPORATION		AC&R Works, MITSUBISHI ELECTRIC CORPORATION	
	Starting method		Inverter		Inverter	
	Motor output	kW	6.3		4.6	
	Case heater	kW	0.035(240 V)		0.035(240 V)	
	Lubricant		MEL32		MEL32	
External finish			Acrylic painted steel plate		Acrylic painted steel plate	
External dimension HxWxD	mm		1,160(1,100 without legs) x 880 x 550		1,160(1,100 without legs) x 880 x 550	
	in.		45-11/16(43-5/16 without legs) x 34-11/16 x 21-11/16		45-11/16(43-5/16 without legs) x 34-11/16 x 21-11/16	
Protection devices	High pressure protection		High pressure sensor, High pressure switch at 4.15MPa (601 psi)		High pressure sensor, High pressure switch at 4.15MPa (601 psi)	
	Inverter circuit (COMP.)		Over-heat protection, Over-current protection		Over-heat protection, Over-current protection	
	Compressor		Over-heat protection		Over-heat protection	
Refrigerant	Type x original charge		R410A x 5.0kg (12lbs)		R410A x 5.0kg (12lbs)	
	Control		Indoor LEV and BC controller			
Net weight		kg (lbs)	195(430)		195(430)	
Heat exchanger			plate type		plate type	
	Water volume in plate	l	5.0		5.0	
	Water pressure Max.	MPa	1.0		1.0	
HIC circuit (HIC: Heat Inter-Changer)			-			
Pipe between unit and distributor	Liquid pipe	mm (in.)	9.52(3/8) Brazed		9.52(3/8) Brazed	
	Gas pipe	mm (in.)	22.2(7/8) Brazed		22.2(7/8) Brazed	
Drawing	External		KB94T223			
	Wiring		KE94C317		KE94C317	
Standard attachment	Document		Installation Manual			
	Accessory		Refrigerant conn. pipe			
Optional parts			Heat Source Twinning kit: CMY-Y100VBK2 Joint: CMY-Y102S-G2, CMY-Y102L-G2, CMY-Y202-G2 Header: CMY-Y104/108/1010-G			
Remarks			<ul style="list-style-type: none"> <li>•Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.</li> <li>•Due to continuing improvement, above specifications may be subject to change without notice.</li> <li>•The ambient temperature of the heat source unit needs to be kept below 40°C D.B.</li> <li>•The ambient relative humidity of the heat source unit needs to be kept below 80%.</li> <li>•The heat source Unit should not be installed at outdoor.</li> <li>•Be sure to mount a strainer (more than 50 meshes) at the water inlet piping of the unit.</li> <li>•Be sure to provide interlocking for the unit operation and water circuit.</li> </ul>			

Notes :	Unit converter
1.Nominal cooling conditions(subject to JIS B8615-1) Indoor:27°CDB/19°CWB(81°FDB/66°FWB), Water temperature:30°C(86°F) Pipe length:7.5m(24-9/16ft.), Level difference:0m(0ft.)	kcal =kW x 860 BTU/h =kW x 3,412
2.Nominal heating conditions(subject to JIS B8615-1) Indoor:20°CDB(68°FDB), Water temperature:20°C(68°F) Pipe length:7.5m(24-9/16ft.), Level difference:0m(0ft.)	cfm =m <sup>3</sup> /min x 35.31 lbs =kg / 0.4536
	*The specification data is subject to rounding variation.

# 1. SPECIFICATIONS

Model			<b>PQHY-P500YSHM-A</b>			
Power source			3-phase 4-wire 380-400-415V 50/60Hz			
Cooling capacity (Nominal)	*1	kW	56.0			
	*1	kcal / h	48,200			
	*1	BTU / h	191,100			
	Power input		kW	11.45		
	Current input		A	19.3-18.3-17.6		
COP		kW / kW	4.89			
Temp. range of cooling	Indoor	W.B.	15.0 ~ 24.0°C(59 ~ 75°F)			
	Circulating water	°C	10.0 ~ 45.0°C(50 ~ 113°F)			
Heating capacity (Nominal)	*2	kW	63.0			
	*2	kcal / h	54,200			
	*2	BTU / h	215,000			
	Power input		kW	12.06		
	Current input		A	20.3-19.3-18.6		
COP		kW / kW	5.22			
Temp. range of heating	Indoor	D.B.	15.0 ~ 27.0°C(59 ~ 81°F)			
	Circulating water	°C	10.0 ~ 45.0°C(50 ~ 113°F)			
Indoor unit connectable	Total capacity		50 ~ 130 % of heat source unit capacity			
	Model / Quantity		P15 ~ P250 / 1 ~ 43			
Sound pressure level (measured in anechoic room)			dB <A> 52			
Refrigerant piping diameter	Liquid pipe	mm (in.)	15.88(5/8) Brazed			
	Gas pipe	mm (in.)	28.58(1-1/8) Brazed			

Set Model						
Model			<b>PQHY-P250YHM-A</b>		<b>PQHY-P250YHM-A</b>	
Circulating water	Water flow rate	m <sup>3</sup> / h	5.76 + 5.76			
		L / min	96 + 96			
		cfm	3.4 + 3.4			
	Pressure drop	kPa	17		17	
Operating volume range	m <sup>3</sup> / h	4.5 + 4.5 ~ 7.2 + 7.2				
Compressor	Type x Quantity		Inverter scroll hermetic compressor		Inverter scroll hermetic compressor	
	Manufacture		AC&R Works, MITSUBISHI ELECTRIC CORPORATION		AC&R Works, MITSUBISHI ELECTRIC CORPORATION	
	Starting method		Inverter		Inverter	
	Motor output	kW	6.3		6.3	
	Case heater	kW	0.035(240 V)		0.035(240 V)	
	Lubricant		MEL32		MEL32	
External finish			Acrylic painted steel plate		Acrylic painted steel plate	
External dimension HxWxD	mm		1,160(1,100 without legs) x 880 x 550		1,160(1,100 without legs) x 880 x 550	
	in.		45-11/16(43-5/16 without legs) x 34-11/16 x 21-11/16		45-11/16(43-5/16 without legs) x 34-11/16 x 21-11/16	
Protection devices	High pressure protection		High pressure sensor, High pressure switch at 4.15MPa (601 psi)		High pressure sensor, High pressure switch at 4.15MPa (601 psi)	
	Inverter circuit (COMP.)		Over-heat protection, Over-current protection		Over-heat protection, Over-current protection	
	Compressor		Over-heat protection		Over-heat protection	
Refrigerant	Type x original charge		R410A x 5.0kg (12lbs)		R410A x 5.0kg (12lbs)	
	Control		Indoor LEV and BC controller			
Net weight	kg (lbs)		195(430)		195(430)	
Heat exchanger			plate type		plate type	
	Water volume in plate	l	5.0		5.0	
	Water pressure Max.	MPa	1.0		1.0	
HIC circuit (HIC: Heat Inter-Changer)			-		-	
Pipe between unit and distributor	Liquid pipe	mm (in.)	9.52(3/8) Brazed		9.52(3/8) Brazed	
	Gas pipe	mm (in.)	22.2(7/8) Brazed		22.2(7/8) Brazed	
Drawing	External		KB94T223			
	Wiring		KE94C317		KE94C317	
Standard attachment	Document		Installation Manual			
	Accessory		Refrigerant conn. pipe			
Optional parts			Heat Source Twinning kit: CMY-Y100VBK2 Joint: CMY-Y102S-G2, CMY-Y102L-G2, CMY-Y202-G2 Header: CMY-Y104/108/1010-G			
Remarks			<ul style="list-style-type: none"> <li>•Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.</li> <li>•Due to continuing improvement, above specifications may be subject to change without notice.</li> <li>•The ambient temperature of the heat source unit needs to be kept below 40°C D.B.</li> <li>•The ambient relative humidity of the heat source unit needs to be kept below 80%.</li> <li>•The heat source Unit should not be installed at outdoor.</li> <li>•Be sure to mount a strainer (more than 50 meshes) at the water inlet piping of the unit.</li> <li>•Be sure to provide interlocking for the unit operation and water circuit.</li> </ul>			

Notes :	Unit converter
1.Nominal cooling conditions(subject to JIS B8615-1) Indoor:27°CDB/19°CWB(81°FDB/66°FWB), Water temperature:30°C(86°F) Pipe length:7.5m(24-9/16ft.), Level difference:0m(0ft.)	kcal =kW x 860 BTU/h =kW x 3,412
2.Nominal heating conditions(subject to JIS B8615-1) Indoor:20°CDB(68°FDB), Water temperature:20°C(68°F) Pipe length:7.5m(24-9/16ft.), Level difference:0m(0ft.)	cfm =m <sup>3</sup> /min x 35.31 lbs =kg / 0.4536
	*The specification data is subject to rounding variation.

# 1. SPECIFICATIONS

Model			PQHY-P550YSHM-A		
Power source			3-phase 4-wire 380-400-415V 50/60Hz		
Cooling capacity (Nominal)	*1	kW	63.0		
	*1	kcal / h	54,200		
	*1	BTU / h	215,000		
	Power input		kW	13.46	
	Current input		A	22.7-21.5-20.8	
Temp. range of cooling	COP		4.68		
	Indoor	W.B.	15.0 ~ 24.0°C(59 ~ 75°F)		
	Circulating water	°C	10.0 ~ 45.0°C(50 ~ 113°F)		
Heating capacity (Nominal)	*2	kW	69.0		
	*2	kcal / h	59,300		
	*2	BTU / h	235,400		
	Power input		kW	14.65	
	Current input		A	24.7-23.4-22.6	
Temp. range of heating	COP		4.70		
	Indoor	D.B.	15.0 ~ 27.0°C(59 ~ 81°F)		
	Circulating water	°C	10.0 ~ 45.0°C(50 ~ 113°F)		
Indoor unit connectable	Total capacity		50 ~ 130 % of heat source unit capacity		
	Model / Quantity		P15 ~ P250 / 2 ~ 47		
Sound pressure level (measured in anechoic room)			dB <A> 52.5		
Refrigerant piping diameter	Liquid pipe	mm (in.)	15.88(5/8) Brazed		
	Gas pipe	mm (in.)	28.58(1-1/8) Brazed		

Set Model			PQHY-P300YHM-A		PQHY-P250YHM-A	
Circulating water	Water flow rate	m <sup>3</sup> / h	5.76 + 5.76			
		L / min	96 + 96			
		cfm	3.4 + 3.4			
	Pressure drop	kPa	17		17	
Operating volume range		m <sup>3</sup> / h	4.5 + 4.5 ~ 7.2 + 7.2			
Compressor	Type x Quantity		Inverter scroll hermetic compressor		Inverter scroll hermetic compressor	
	Manufacture		AC&R Works, MITSUBISHI ELECTRIC CORPORATION		AC&R Works, MITSUBISHI ELECTRIC CORPORATION	
	Starting method		Inverter		Inverter	
	Mo-r output	kW	7.4		6.3	
	Case heater	kW	0.035(240 V)		0.035(240 V)	
	Lubricant		MEL32		MEL32	
External finish			Acrylic painted steel plate		Acrylic painted steel plate	
External dimension HxWxD	mm		1,160(1,100 without legs) x 880 x 550		1,160(1,100 without legs) x 880 x 550	
	in.		45-11/16(43-5/16 without legs) x 34-11/16 x 21-11/16		45-11/16(43-5/16 without legs) x 34-11/16 x 21-11/16	
Protection devices	High pressure protection		High pressure sensor, High pressure switch at 4.15MPa (601 psi)		High pressure sensor, High pressure switch at 4.15MPa (601 psi)	
	Inverter circuit (COMP.)		Over-heat protection, Over-current protection		Over-heat protection, Over-current protection	
	Compressor		Over-heat protection		Over-heat protection	
Refrigerant	Type x original charge		R410A x 5.0kg (12lbs)		R410A x 5.0kg (12lbs)	
	Control		Indoor LEV and BC controller			
Net weight		kg (lbs)	195(430)		195(430)	
Heat exchanger	Heat exchanger		plate type		plate type	
	Water volume in plate	l	5.0		5.0	
	Water pressure Max.	MPa	1.0		1.0	
HIC circuit (HIC: Heat Inter-Changer)			-		-	
Pipe between unit and disribu-r	Liquid pipe	mm (in.)	12.7(1/2) Brazed		12.7(1/2) Brazed	
	Gas pipe	mm (in.)	22.2(7/8) Brazed		22.2(7/8) Brazed	
Drawing	External		KB94T223		KB94T223	
	Wiring		KE94C317		KE94C317	
Standard attachment	Document		Installation Manual			
	Accessory		Refrigerant conn. pipe			
Optional parts			Heat Source Twinning kit: CMY-Y100VBK2 Joint: CMY-Y102S-G2, CMY-Y102L-G2, CMY-Y202-G2, CMY-Y302-G2 Header: CMY-Y104/108/1010-G			
Remarks			<ul style="list-style-type: none"> <li>●Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.</li> <li>●Due to continuing improvement, above specifications may be subject to change without notice.</li> <li>●The ambient temperature of the heat source unit needs to be kept below 40°C D.B.</li> <li>●The ambient relative humidity of the heat source unit needs to be kept below 80%.</li> <li>●The heat source Unit should not be installed at outdoor.</li> <li>●Be sure to mount a strainer (more than 50 meshes) at the water inlet piping of the unit.</li> <li>●Be sure to provide interlocking for the unit operation and water circuit.</li> </ul>			

Notes :	Unit converter
1.Nominal cooling conditions(subject to JIS B8615-1) Indoor:27°CDB/19°CWB(81°FDB/66°FWB), Water temperature:30°C(86°F) Pipe length:7.5m(24-9/16ft.), Level difference:0m(0ft.)	kcal =kW x 860 BTU/h =kW x 3,412
2.Nominal heating conditions(subject to JIS B8615-1) Indoor:20°CDB(68°FDB), Water temperature:20°C(68°F) Pipe length:7.5m(24-9/16ft.), Level difference:0m(0ft.)	cfm =m <sup>3</sup> /min x 35.31 lbs =kg / 0.4536
	*The specification data is subject to rounding variation.

# 1. SPECIFICATIONS

Model			<b>PQHY-P600YSHM-A</b>			
Power source			3-phase 4-wire 380-400-415V 50/60Hz			
Cooling capacity (Nominal)	*1	kW	69.0			
	*1	kcal / h	59,300			
	*1	BTU / h	235,400			
	Power input		kW	15.48		
	Current input		A	26.1-24.8-23.9		
COP		kW / kW	4.45			
Temp. range of cooling	Indoor	W.B.	15.0 ~ 24.0°C(59 ~ 75°F)			
	Circulating water	°C	10.0 ~ 45.0°C(50 ~ 113°F)			
Heating capacity (Nominal)	*2	kW	76.5			
	*2	kcal / h	65,800			
	*2	BTU / h	261,000			
	Power input		kW	17.12		
	Current input		A	28.9-27.4-26.4		
COP		kW / kW	4.46			
Temp. range of heating	Indoor	D.B.	15.0 ~ 27.0°C(59 ~ 81°F)			
	Circulating water	°C	10.0 ~ 45.0°C(50 ~ 113°F)			
Indoor unit connectable	Total capacity		50 ~ 130 % of heat source unit capacity			
	Model / Quantity		P15 ~ P250 / 2 ~ 50			
Sound pressure level (measured in anechoic room)			dB <A> 53			
Refrigerant piping diameter	Liquid pipe	mm (in.)	15.88(5/8) Brazed			
	Gas pipe	mm (in.)	28.58(1-1/8) Brazed			

Set Model			<b>PQHY-P300YHM-A</b>			<b>PQHY-P300YHM-A</b>		
Circulating water	Water flow rate	m <sup>3</sup> / h	5.76 + 5.76					
		L / min	96 + 96					
		cfm	3.4 + 3.4					
	Pressure drop	kPa	17			17		
Operating volume range		m <sup>3</sup> / h	4.5 + 4.5 ~ 7.2 + 7.2					
Compressor	Type x Quantity		Inverter scroll hermetic compressor			Inverter scroll hermetic compressor		
	Manufacture		AC&R Works, MITSUBISHI ELECTRIC CORPORATION			AC&R Works, MITSUBISHI ELECTRIC CORPORATION		
	Starting method		Inverter			Inverter		
	Motor output	kW	7.4			7.4		
	Case heater	kW	0.035(240 V)			0.035(240 V)		
	Lubricant		MEL32			MEL32		
External finish			Acrylic painted steel plate			Acrylic painted steel plate		
External dimension HxWxD		mm	1,160(1,100 without legs) x 880 x 550			1,160(1,100 without legs) x 880 x 550		
		in.	45-11/16(43-5/16 without legs) x 34-11/16 x 21-11/16			45-11/16(43-5/16 without legs) x 34-11/16 x 21-11/16		
Protection devices	High pressure protection		High pressure sensor, High pressure switch at 4.15MPa (601 psi)			High pressure sensor, High pressure switch at 4.15MPa (601 psi)		
	Inverter circuit (COMP.)		Over-heat protection, Over-current protection			Over-heat protection, Over-current protection		
	Compressor		Over-heat protection			Over-heat protection		
Refrigerant	Type x original charge		R410A x 5.0kg (12lbs)			R410A x 5.0kg (12lbs)		
	Control		Indoor LEV and BC controller					
Net weight		kg (lbs)	195(430)			195(430)		
Heat exchanger			plate type			plate type		
	Water volume in plate	l	5.0			5.0		
	Water pressure Max.	MPa	1.0			1.0		
HIC circuit (HIC: Heat Inter-Changer)			-					
Pipe between unit and distributor	Liquid pipe	mm (in.)	12.7(1/2) Brazed			12.7(1/2) Brazed		
	Gas pipe	mm (in.)	22.2(7/8) Brazed			22.2(7/8) Brazed		
Drawing	External		KB94T223			KB94T223		
	Wiring		KE94C317			KE94C317		
Standard attachment	Document		Installation Manual					
	Accessory		Refrigerant conn. pipe					
Optional parts			Heat Source Twinning kit: CMY-Y100VBK2 Joint: CMY-Y102S-G2, CMY-Y102L-G2, CMY-Y202-G2, CMY-Y302-G2 Header: CMY-Y104/108/1010-G					
Remarks			<ul style="list-style-type: none"> <li>•Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.</li> <li>•Due to continuing improvement, above specifications may be subject to change without notice.</li> <li>•The ambient temperature of the heat source unit needs to be kept below 40°C D.B.</li> <li>•The ambient relative humidity of the heat source unit needs to be kept below 80%.</li> <li>•The heat source Unit should not be installed at outdoor.</li> <li>•Be sure to mount a strainer (more than 50 meshes) at the water inlet piping of the unit.</li> <li>•Be sure to provide interlocking for the unit operation and water circuit.</li> </ul>					

Notes :	Unit converter
1.Nominal cooling conditions(subject to JIS B8615-1) Indoor:27°CDB/19°CWB(81°FDB/66°FWB), Water temperature:30°C(86°F) Pipe length:7.5m(24-9/16ft.), Level difference:0m(0ft.)	kcal =kW x 860 BTU/h =kW x 3,412
2.Nominal heating conditions(subject to JIS B8615-1) Indoor:20°CDB(68°FDB), Water temperature:20°C(68°F) Pipe length:7.5m(24-9/16ft.), Level difference:0m(0ft.)	cfm =m <sup>3</sup> /min x 35.31 lbs =kg / 0.4536
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