

Job Name:	Location:
Schedule Reference:	Submitted By:
Submitted To:	Reference: Approval: Construction:
Engineer:	Date: Application:
	

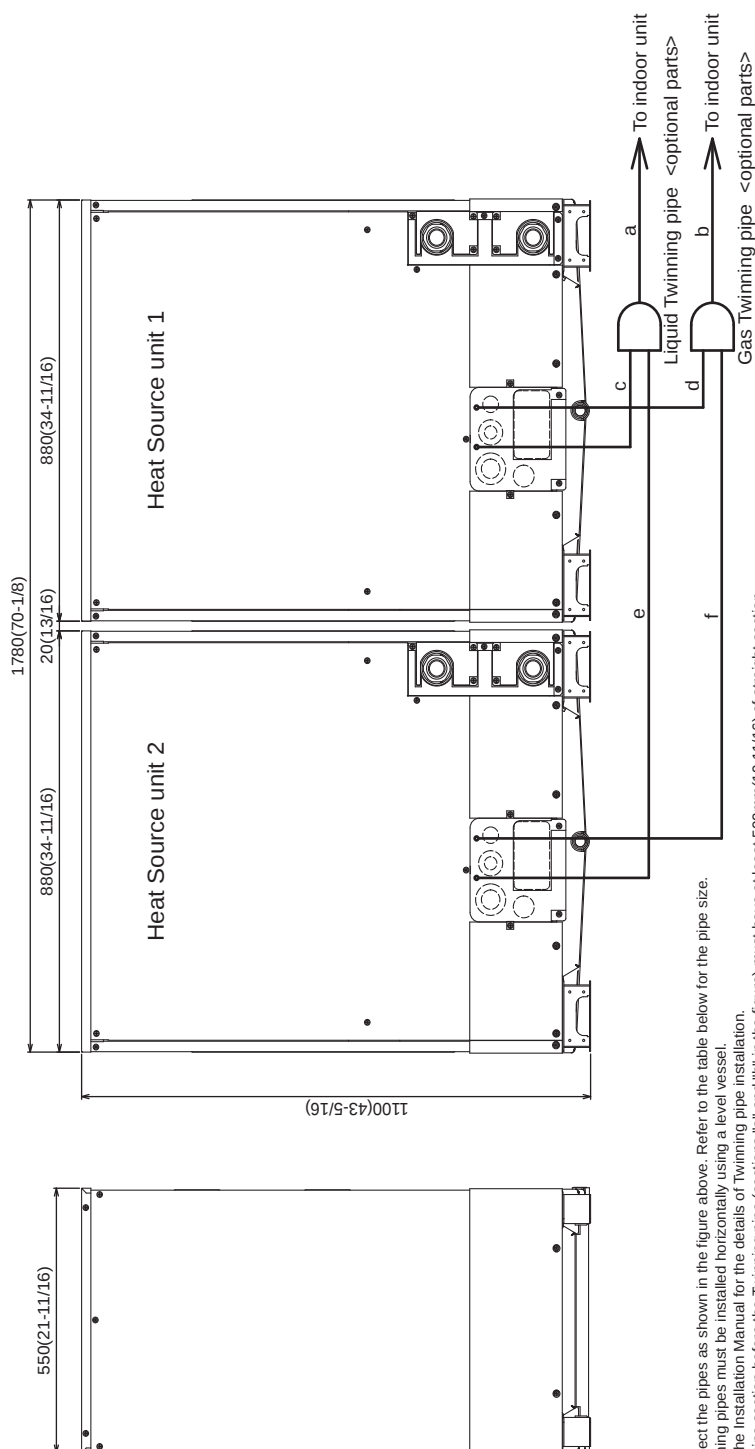
Specifications:			
Indoor Model		Non-Ducted	Ducted
Power source		3-phase 3-wire 575V ±10% 60 Hz	
Cooling capacity		240,000	
(Nominal)		70.3	
(575)	Power input	16.89	
	Current input	18.8	
(Rated)		230,000	
		67.4	
(575)	Power input	15.73	
	Current input	17.5	
		16.79	
Temp. range of cooling		59 ~ 75°F (15 ~ 24°C)	
		50 ~ 113°F (10 ~ 45°C)	
Heating capacity (Nominal)		270,000	
(575)	Power input	79.1	
	Current input	14.58	
		16.2	
(Rated)		258,000	
		75.6	
(575)	Power input	12.83	
	Current input	14.3	
		11.67	
Temp. range of heating		59 ~ 81°F (15 ~ 27°C)	
		50 ~ 113°F (10 ~ 45°C)	
Indoor unit connectable		50 ~ 130% of heatsource unit capacity	
Model / Quantity		P04 ~ P96 / 2 ~ 50	
Sound power level (measured in anechoic room) *3		74.0	
Refrigerant		5/8 (15.88) Braze	
piping diameter		1-1/8 (28.58) Braze	
EER		13.00 / 14.20	
IEER		20.80 / 23.70	
COP @ 68°F		5.49 / 5.57	

Set Model				
Model		PQHY-P120ZLMU-B	PQHY-P120ZLMU-B	
Minimum Circuit Ampacity		13	13	
Maximum Overcurrent Protection		20	20	
Circulating water	Water flow rate	G/h	1,522 + 1,522	
		G/min	25.4 + 25.4	
		m³/h	5.76 + 5.76	
		L/min	96 + 96	
		cfm	3.4 + 3.4	
	Pressure drop	psi	3.48	3.48
		kPa	24	24
	Operating volume range	G/h	793 + 793 ~ 1,902 + 1,902	
		G/min	13.2 + 13.2 ~ 31.7 + 31.7	
m³/h		3.0 + 3.0 ~ 7.2 + 7.2		
Compressor	Type x Quantity		Inverter scroll hermetic compressor x1	Inverter scroll hermetic compressor x1
	Starting method		Inverter	Inverter
	Motor output	kW	7.7	7.7
	Case heater	kW	0.035	0.035
	Lubricant		MEL32	MEL32
	External finish		Galvanized steel sheets	Galvanized steel sheets
External dimension H x W x D		in. (mm)	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 (1,100 x 880 x 550)
Protection devices	High Pressure protection		High pressure sensor, High pressure switch at 4.15 MPa (601 psi)	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)
	Inverter circuit		Over-heat protection, Over-current protection	Over-heat protection, Over-current protection
	Compressor		Over-heat protection	Over-heat protection
Refrigerant	Type x original charge		R410A x 11 lbs + 1 oz (5.0 kg)	R410A x 11 lbs + 1 oz (5.0 kg)
	Control		LEV and HIC circuit	LEV and HIC circuit
Net weight		lbs (kg)	400 (181)	400 (181)
Heat Exchanger			plate type	plate type
	Water volume in plate	G	1.22	1.22
		l	4.6	4.6
	Water pressure Max.	psi	290	290
		Mpa	2.0	2.0
HIC circuit (HIC: Heat Inter-Change)		Copper pipe, tube-in-tube structure	Copper pipe, tube-in-tube structure	
Pipe between unit and distributor	Liquid pipe	in. (mm)	1/2 (12.7) Brazed	1/2 (12.7) Brazed
	Gas pipe	in. (mm)	7/8 (22.2) Brazed	7/8 (22.2) Brazed
Optional parts		Heat Source Twinning kit: CMY-Y100CBK3		
		Joint: CMY-Y102SS-G2, CMY-Y102LS-G2, CMY-Y202S-G2, CMY-Y302S-G2		
		Header: CMY-Y104, 108, 1010C-G		

Remarks - The ambient temperature of the Heat Source Unit needs to be kept below 104°F D.B. (40°C D.B.)		- Be sure to provide interlocking for the unit operation and water circuit.
- The ambient relative humidity of the Heat Source Unit needs to be kept below 80%.		- Install the supplied insulation material to the unused drain-socket.
- The Heat Source Unit should not be installed at outdoor.		- When installing insulation material around both water and refrigerant piping, follow the installation manual.
- Be sure to mount a strainer (more than 50 meshes) at the water inlet piping of the unit.		- The cooling tower and the water circuit must be a closed circuit (water is not exposed to the atmosphere).

Notes:	
1.Nominal Cooling conditions (Test conditions are based on AHRI 1230)	Indoor: 81°F D.B./66°F W.B. (27°C D.B./19°C W.B.), Inlet water temperature: 86°F (30°C)
2.Nominal Heating conditions (Test conditions are based on AHRI 1230)	Indoor: 68°F D.B. (20°C D.B.), Inlet water temperature: 68°F (20°C)
3.The sound values are sound power level (PWL) based on ISO 3744:2010 (r=3.5m). Test conditions: Indoor: 81°F D.B./66°F W.B. (27°C D.B./19°C W.B.), Inlet water temperature: 86°F (30°C)	
4.All electrical work shall comply with National (CEC) and local codes and regulations.	
5.Mitsubishi Electric Sales Canada Inc. (MESCA) supports the use of only MESCA supplied and approved components and accessories for proper functioning of the unit(s).	
6.Mitsubishi Electric Sales Canada Inc. (MESCA) supports the use of only MESCA supplied and approved Snow Guard / Wind Deflectors / Windscreens and accessories for proper functioning of the unit(s).	
Use of non-MESCA supported Snow Guard / Wind Deflectors / Windscreens and accessories will affect warranty coverage.	
7.Should any person change this document in any manner whatsoever without MESCA's written permission, the document shall be of no force and effect and any change shall be deemed to be a representation and warranty made by that person and not MESCA. That person, and not MESCA, shall assume full responsibility for the consequences of such changes.	
MESCA assumes no responsibility for any consequences in such cases.	

Condenser Unit Outline and Dimensions:



Unit: mm(in)

Note 1. Connect the pipes as shown in the figure above. Refer to the table below for the pipe size.

2. Twinning pipes must be installed horizontally using a level vessel.

3. See the Installation Manual for the details of Twinning pipe installation.

4. The pipe section before the Twinning pipe (sections "a" and "b" in the figure) is a straight pipe that is supplied with the Twinning pipe.

(*including the straight pipe that is supplied with the Twinning pipe).

5. Only use the Twinning pipe b

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