

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

Specifications:			Non-Ducted	Ducted
Indoor Model			3-phase 3-wire 575V ±10% 60 Hz	
Power source			360,000	
Cooling capacity			105.5	
(Nominal)			32.8	
(575)			344,000	
(Rated)			100.8	
(575)			27.28	
(575)			30.4	
Temp. range of cooling			59 ~ 75°F (15 ~ 24°C)	
Indoor			50 ~ 113°F (10 ~ 45°C)	
Outdoor			405,000	
Heating capacity (Nominal)			118.7	
(575)			22.85	
(Rated)			25.4	
(575)			386,000	
(575)			113.1	
(575)			20.56	
(575)			22.9	
Temp. range of heating			59 ~ 81°F (15 ~ 27°C)	
Indoor			50 ~ 113°F (10 ~ 45°C)	
Outdoor			50 ~ 130% of heatsource unit capacity	
Indoor unit connectable			P04 ~ P96 / 2 ~ 50	
Sound power level (measured in anechoic room) *3			74.5	
Refrigerant			3/4 (19.05) Braze	
piping diameter			1-5/8 (41.28) Braze	
AHRI Ratings			11.20 / 12.10	
(Ducted / Non-Ducted)			16.20 / 16.60	
COP @ 68°F			4.72 / 5.18	

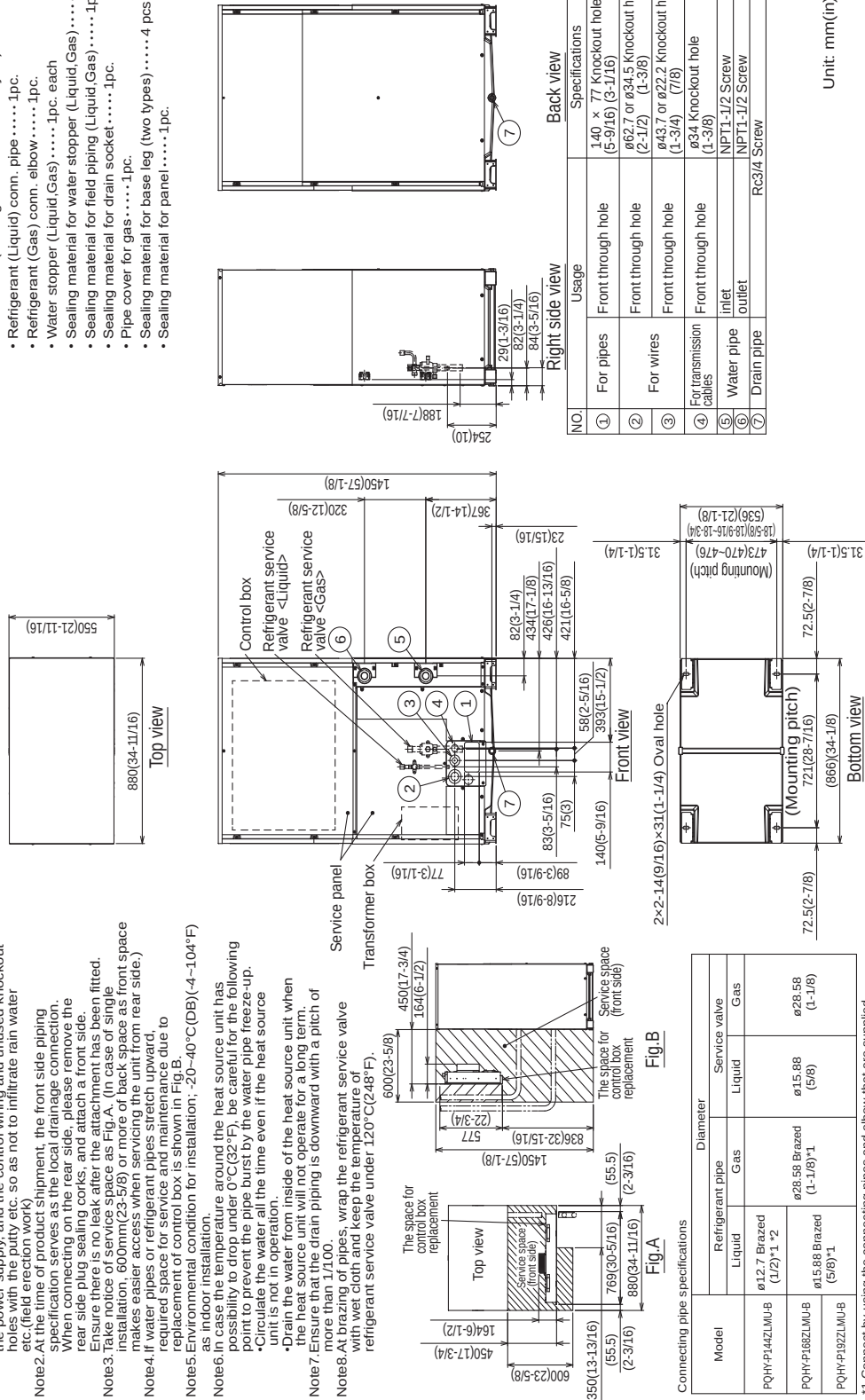
Set Model			PQHY-P192ZLMU-B	PQHY-P168ZLMU-B
Model			26	21
Minimum Circuit Ampacity			45	35
Maximum Overcurrent Protection			45	35
Circulating water			1,902 + 1,902	31.7 + 31.7
Water flow rate			7.20 + 7.20	120 + 120
G/h			4.2 + 4.2	6.38
G/min			6.38	44
m³/h			44	1,189 + 1,189 ~ 3,054 + 3,054
L/min			19.8 + 19.8 ~ 50.9 + 50.9	4.5 + 4.5 ~ 11.6 + 11.6
cfm			4.5 + 4.5 ~ 11.6 + 11.6	6.38
psi			6.38	44
kPa			44	1,189 + 1,189 ~ 3,054 + 3,054
Operating volume range			19.8 + 19.8 ~ 50.9 + 50.9	4.5 + 4.5 ~ 11.6 + 11.6
G/h			4.5 + 4.5 ~ 11.6 + 11.6	6.38
G/min			6.38	44
m³/h			44	1,189 + 1,189 ~ 3,054 + 3,054
Compressor			Inverter scroll hermetic compressor x1	Inverter scroll hermetic compressor x1
Type x Quantity			Inverter	Inverter
Starting method			12.4	11.0
Motor output			0.045	0.045
Case heater			0.045	0.045
kW			MEL32	MEL32
Lubricant			MEL32	MEL32
External finish			Galvanized steel sheets	Galvanized steel sheets
External dimension H x W x D			57-1/8 x 34-11/16 x 21-11/16 (1,450 x 880 x 550)	57-1/8 x 34-11/16 x 21-11/16 (1,450 x 880 x 550)
Protection devices			High pressure sensor, High pressure switch at 4.15 MPa (601 psi)	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)
High Pressure protection			Over-heat protection, Over-current protection	Over-heat protection, Over-current protection
Inverter circuit			Over-heat protection	Over-heat protection
Compressor			Over-heat protection	Over-heat protection
Refrigerant			R410A x 13 lbs + 4 oz (6.0 kg)	R410A x 13 lbs + 4 oz (6.0 kg)
Type x original charge			LEV and HIC circuit	LEV and HIC circuit
Control			LEV and HIC circuit	LEV and HIC circuit
Net weight			499 (226)	499 (226)
Heat Exchanger			plate type	plate type
Water volume in plate			1.22	1.22
G			4.6	4.6
I			290	290
Water pressure Max.			2.0	2.0
psi			2.0	2.0
Mpa			Copper pipe, tube-in-tube structure	Copper pipe, tube-in-tube structure
HIC circuit (HIC: Heat Inter-Change)			Copper pipe, tube-in-tube structure	Copper pipe, tube-in-tube structure
Pipe between unit and distributor			5/8 (15.88) Braze	5/8 (15.88) Braze
Liquid pipe			1-1/8 (28.58) Braze	1-1/8 (28.58) Braze
Gas pipe			1-1/8 (28.58) Braze	1-1/8 (28.58) Braze
Optional parts			Heat Source Twinning kit: CMY-Y200CBK2	Heat Source Twinning kit: CMY-Y200CBK2
			Joint: CMY-Y102SS-G2, CMY-Y102LS-G2, CMY-Y202S-G2, CMY-Y302S-G2	Joint: CMY-Y102SS-G2, CMY-Y102LS-G2, CMY-Y202S-G2, CMY-Y302S-G2
			Header: CMY-Y104, 108, 1010C-G	Header: CMY-Y104, 108, 1010C-G
Compressor Operating Range			15.8% to 100%	18.3% to 100%

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:

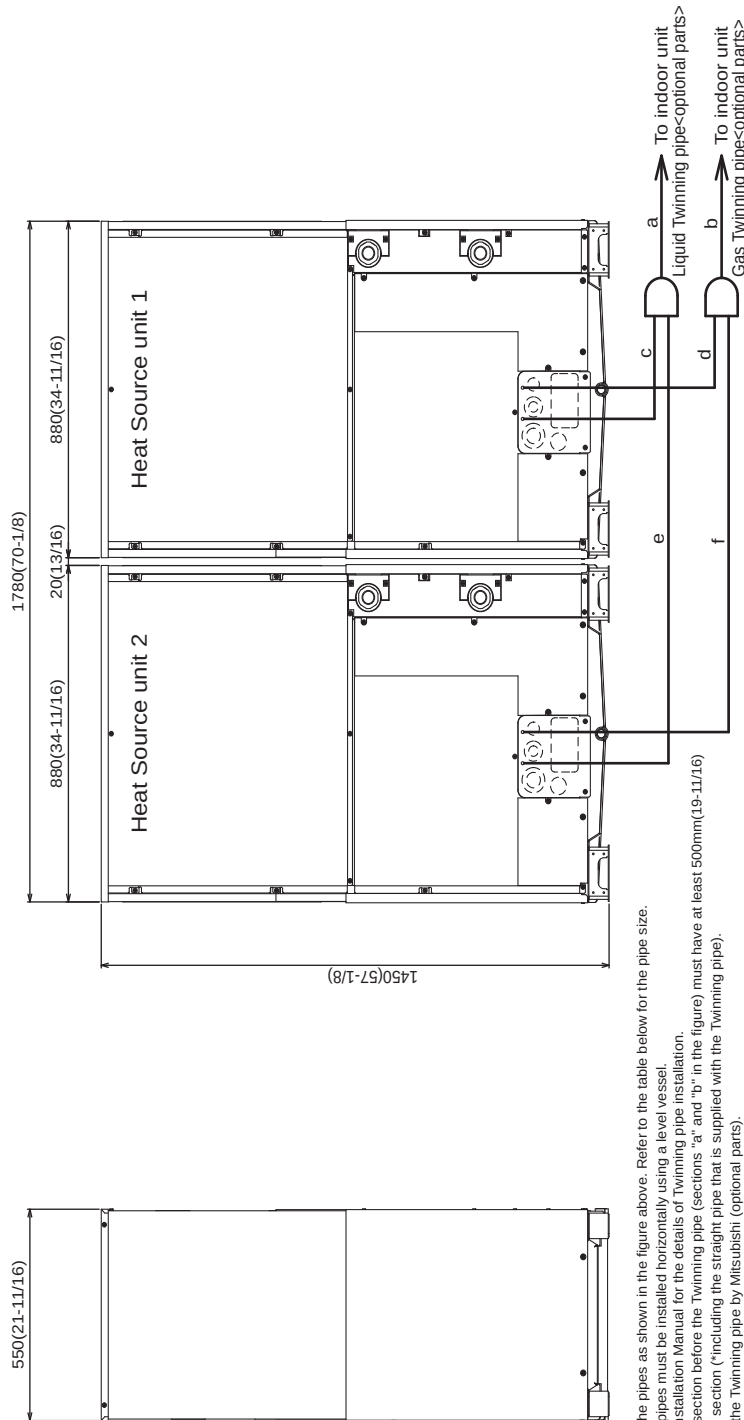
- <Accessories (Packaged in the accessory kit)>
- Refrigerant (Liquid) conn. pipe 1pc.
 - Refrigerant (Gas) conn. elbow 1pc.
 - Water stopper (Liquid/Gas) 1pc. each
 - Sealing material for water stopper (Liquid/Gas) 1pc. each
 - Sealing material for field piping (Liquid/Gas) 1pc. each
 - Sealing material for drain socket 1pc.
 - Pipe cover for gas 1pc.
 - Sealing material for base leg (two types) 4 pcs. each
 - Sealing material for panel 1pc.



- Note 1. Close a hole of the water piping, the refrigerant piping, the power supply, and the control wiring and unused knockout holes with the putty etc. so as not to infiltrate rain water etc. (field erection work)
- Note 2. At the time of product shipment, the front side piping specification serves as the local drainage connection. When connecting on the rear side, please remove the rear side plug sealing corks, and attach a front side. Ensure there is no leak after the attachment has been fitted.
- Note 3. Take notice of service space as Fig.A. (In case of single installation, 600mm(23-5/8) or more of back space as front space makes easier access when servicing the unit from rear side.)
- Note 4. If water pipes or refrigerant pipes stretch upward, required space for service and maintenance due to replacement of control box is shown in Fig.B.
- Note 5. Environmental condition for installation: -20~40°C (DB) (-4~104°F) as indoor installation.
- Note 6. If pipes are around the heat source unit has possibility to freeze under 0°C (32°F), be careful for the following point to prevent the pipe burst by the water pipe freeze-up.
- Circulate the water all the time even if the heat source unit is not in operation.
 - Drain the water from inside of the heat source unit when the heat source unit will not operate for a long term.
- Note 7. Ensure that the drain piping is downward with a pitch of more than 1/100.
- Note 8. At brazing of pipes, wrap the refrigerant service valve with wet cloth and keep the temperature of refrigerant service valve under 120°C (248°F).

- *1. Connect by using the connecting pipes and elbow that are supplied.
- *2. Use the pipe joint(field supply) and connect to the refrigerant service valve piping.

Condenser Unit Outline and Dimensions:



- 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) must have at least 500mm (19-11/16) of straight section (*including the straight pipe that is supplied with the Twinning pipe).
5. Only use the Twinning pipe by Mitsubishi (optional parts).

Twining pipe connection size

Package unit name	PQHY-P28ZSLMU-B	PQHY-P312ZSLMU-B	PQHY-P336ZSLMU-B	PQHY-P360ZSLMU-B
Component unit name	Heat Source unit 1	Heat Source unit 2	Heat Source unit 1	Heat Source unit 2
Twining K(optional parts)	PQHY-P144ZLMU-B	PQHY-P168ZLMU-B	PQHY-P186ZLMU-B	PQHY-P192ZLMU-B
Indoor unit- Twining pipe	PQHY-P144ZLMU-B	PQHY-P144ZLMU-B	PQHY-P186ZLMU-B	PQHY-P186ZLMU-B
Liquid	a	b	c	d
Gas	e	f	g	h
Twining pipe-Heat Source unit 1	PQHY-P144ZLMU-B	PQHY-P168ZLMU-B	PQHY-P186ZLMU-B	PQHY-P192ZLMU-B
Liquid	a	b	c	d
Gas	e	f	g	h
Twining pipe-Heat Source unit 2	PQHY-P144ZLMU-B	PQHY-P168ZLMU-B	PQHY-P186ZLMU-B	PQHY-P192ZLMU-B
Liquid	a	b	c	d
Gas	e	f	g	h

Unit: mm(n)



CONFORMS TO
ANSI/UL STD. 1995
CERTIFIED TO
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