

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			216,000	
(Nominal)			63.3	
(575)			14.03	
(Rated)			15.6	
(575)			206,000	
(Rated)			60.4	
(575)			13.09	
(Rated)			13.88	
(575)			14.6	
(Rated)			15.4	
Temp. range of cooling			59 ~ 75°F (15 ~ 24°C)	
Indoor			50 ~ 113°F (10 ~ 45°C)	
Outdoor				
Heating capacity (Nominal)			243,000	
(575)			71.2	
(Rated)			12.88	
(575)			14.3	
(Rated)			232,000	
(575)			68.0	
(Rated)			11.11	
(575)			12.3	
(Rated)			10.04	
(575)			11.2	
Temp. range of heating			59 ~ 81°F (15 ~ 27°C)	
Indoor			50 ~ 113°F (10 ~ 45°C)	
Outdoor				
Indoor unit connectable			50 ~ 130% of heatsource unit capacity	
Model / Quantity			P04 ~ P96 / 1 ~ 50	
Sound power level (measured in anechoic room) *3			72.0	
Refrigerant			5/8 (15.88) Braze	
piping diameter			1-1/8 (28.58) Braze	
AHRI Ratings (Ducted / Non-Ducted)			14.00 / 15.20	
EER			21.80 / 24.10	
IEER			5.68 / 5.74	
COP @ 68°F				

Set Model			PQHY-P120ZLMU-B	PQHY-P96ZLMU-B
Model				
Minimum Circuit Ampacity			13	
Maximum Overcurrent Protection			20	
Circulating water			9	
Water flow rate			1,522 + 1,522	
G/h			25.4 + 25.4	
G/min			5.76 + 5.76	
m³/h			96 + 96	
L/min			3.4 + 3.4	
cfm				
Pressure drop			3.48	
psi			24	
kPa				
Operating volume range			793 + 793 ~ 1,902 + 1,902	
G/h			13.2 + 13.2 ~ 31.7 + 31.7	
G/min			3.0 + 3.0 ~ 7.2 + 7.2	
m³/h				
Compressor			Inverter scroll hermetic compressor x1	
Type x Quantity			Inverter	
Starting method			6.0	
Motor output			0.035	
kW			0.035	
Case heater			MEL32	
kW			MEL32	
Lubricant				
External finish			Galvanized steel sheets	
External dimension H x W x D			43-5/16 x 34-11/16 x 21-11/16 (1,100 x 880 x 550)	
in. (mm)			43-5/16 x 34-11/16 x 21-11/16 (1,100 x 880 x 550)	
Protection devices			High pressure sensor, High pressure switch at 4.15 MPa (601 psi)	
High Pressure protection			Over-heat protection, Over-current protection	
Inverter circuit			Over-heat protection	
Compressor			Over-heat protection	
Refrigerant			R410A x 11 lbs + 1 oz (5.0 kg)	
Type x original charge			R410A x 11 lbs + 1 oz (5.0 kg)	
Control			LEV and HIC circuit	
Net weight			400 (181)	
Heat Exchanger			plate type	
Water volume in plate			1.22	
G			4.6	
I			290	
Water pressure Max.			2.0	
psi				
Mpa				
HIC circuit (HIC: Heat Inter-Change)			Copper pipe, tube-in-tube structure	
Pipe between unit and distributor			1/2 (12.7) Braze	
Liquid pipe			7/8 (22.2) Braze	
Gas pipe				
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	
Compressor Operating Range			15.6% to 100%	
			19.2% to 100%	

Remarks - The ambient temperature of the Heat Source Unit needs to be kept below 104°F D.B. (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).

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.
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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.

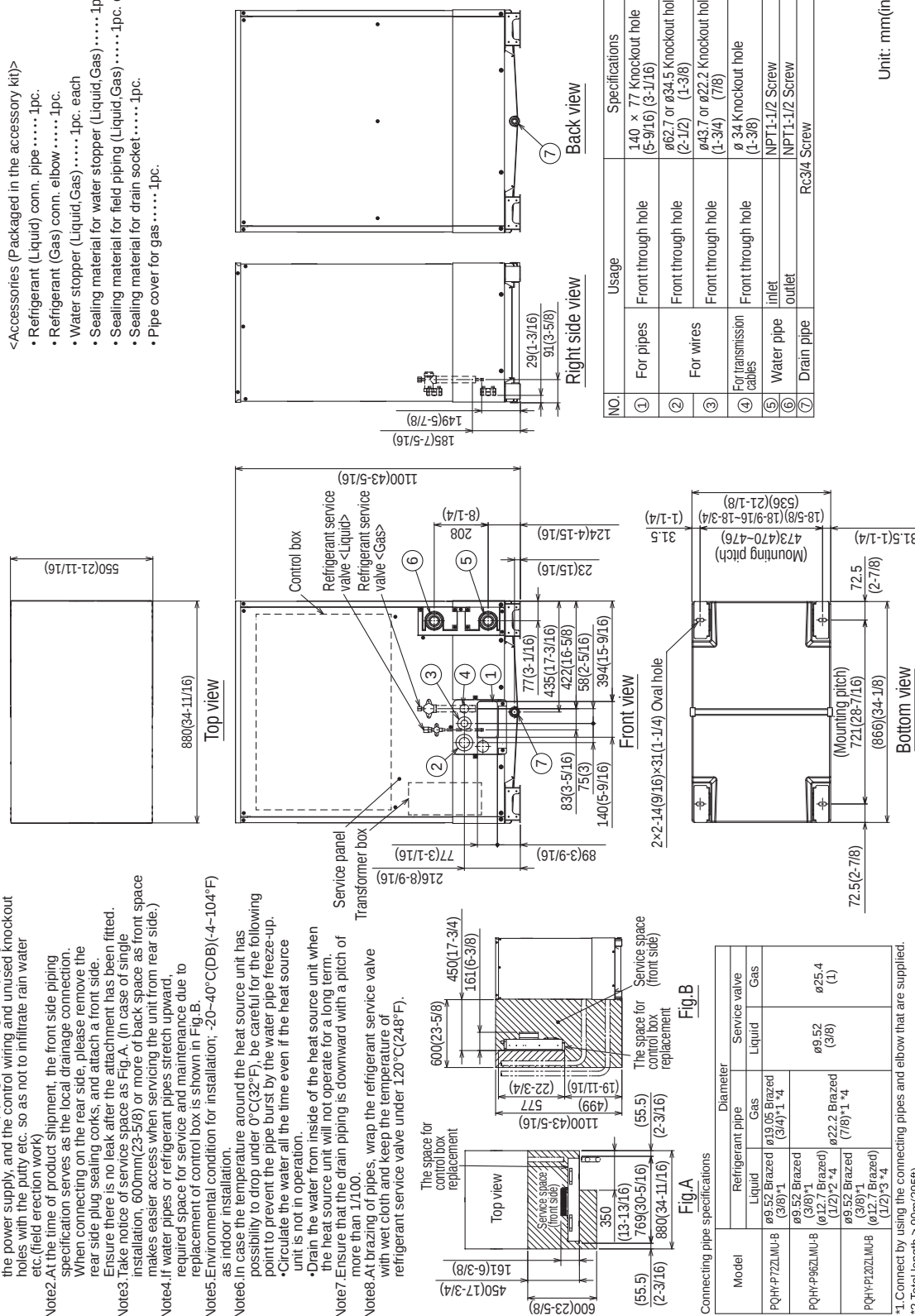


Fig. B

Fig. A

1. Connect by using the connecting pipes and elbow that are supplied.
2. Total length $\geq 90\text{m}(295\text{ft})$
3. Total length $\geq 40\text{m}(131\text{ft})$
4. Use the pipe joint(field supply) and connect to the refrigerant service

3. Total length ≈ 40 in (1.5 m)

3. Total length = 40m(131ft)

*4. Use the pipe joint(field supply) and

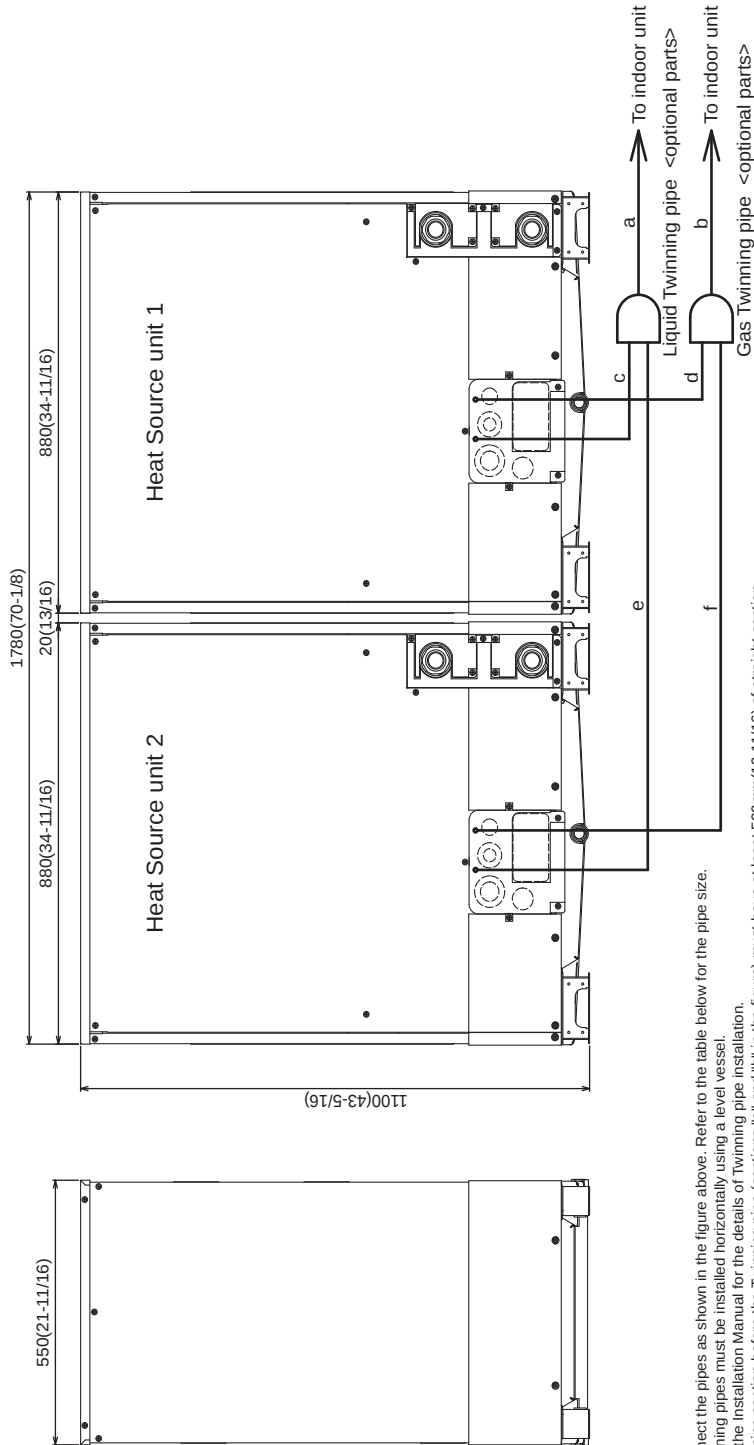
3. Total length $\approx 40m(131ft)$

3. Total length = 40m (131ft)

3. Total length ≈ 40 in(13 ft)

3. Total length $\leq 40m(131ft)$

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-P14ZSLMU-B	PQHY-P16ZSLMU-B	PQHY-P18ZSLMU-B	PQHY-P19ZSLMU-B	PQHY-P216ZSLMU-B	PQHY-P240ZSLMU-B
Component unit name	Heat Source unit 1	PQHY-P72ZLMU-B	PQHY-P96ZLMU-B	PQHY-P120ZLMU-B	PQHY-P120ZLMU-B	PQHY-P120ZLMU-B
Twining Kit(optional parts)	Heat Source unit 2	PQHY-P72ZLMU-B	PQHY-P96ZLMU-B	PQHY-P120ZLMU-B	PQHY-P96ZLMU-B	PQHY-P120ZLMU-B
Indoor unit- Twinning pipe	Liquid a	ø12.7(1/2)	ø12.7(1/2)	ø15.88(5/8)	ø15.88(5/8)	ø15.88(5/8)
Gas b	Gas b	ø12.7(1/2)	ø12.7(1/2)	ø15.88(5/8)	ø15.88(5/8)	ø15.88(5/8)
Twining pipe-Heat Source unit 1	Liquid c	ø9.52(3/8)	ø9.52(3/8)	ø12.7(1/2)	ø12.7(1/2)	ø12.7(1/2)
Gas d	Gas d	ø19.05(3/4)	ø19.05(3/4)	ø22.2(7/8)	ø22.2(7/8)	ø22.2(7/8)
Twining pipe-Heat Source unit 2	Liquid e	ø9.52(3/8)	ø9.52(3/8)	ø12.7(1/2)	ø12.7(1/2)	ø12.7(1/2)
Gas f	Gas f	ø19.05(3/4)	ø19.05(3/4)	ø22.2(7/8)	ø22.2(7/8)	ø22.2(7/8)

Unit: mm(in)



CONFORMS TO
ANSI/UL STD. 1995
CERTIFIED TO
CAN/CSA STD.
C22. 2 NO. 236