

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			BTU/h		192,000		
(Nominal)			kW		56.3		
	(575)	Power input	kW		11.30		
		Current input	A		12.6		
	(Rated)			BTU/h		184,000	
				kW		53.9	
	(575)	Power input	kW		10.57	11.54	
Current input		A		11.7	12.8		
Temp. range of cooling	Indoor	D.B.		59 ~ 75°F (15 ~ 24°C)			
	Outdoor	°F		50 ~ 113°F (10 ~ 45°C)			
Heating capacity			BTU/h		215,000		
(Nominal)			kW		63.0		
	(575)	Power input	kW		11.02		
		Current input	A		12.2		
	(Rated)			BTU/h		204,000	
				kW		59.8	
	(575)	Power input	kW		9.53	8.82	
Current input		A		10.6	9.8		
Temp. range of heating	Indoor	D.B.		59 ~ 81°F (15 ~ 27°C)			
	Outdoor	°F		50 ~ 113°F (10 ~ 45°C)			
Indoor unit connectable	Total capacity		50 ~ 130% of heatsource unit capacity				
	Model / Quantity		P04 ~ P96 / 1 ~ 48				
Sound power level (measured in anechoic room) *			dB <A>		68.0		
Refrigerant piping diameter	Liquid pipe	in. (mm)		5/8 (15.88) Brazed			
	Gas pipe	in. (mm)		1-1/8 (28.58) Brazed			
AHRI Ratings (Ducted / Non-Ducted)	EER		14.80 / 16.80				
	IEER		21.80 / 24.40				
	COP @ 68°F		5.86 / 5.87				

Set Model						
Model		PQHY-P96ZLMU-B		PQHY-P96ZLMU-B		
Minimum Circuit Ampacity		A	9		9	
Maximum Overcurrent Protection		A	15		15	
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	6.0		6.0	
	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 senor, High pressure switch at 4.15 MPa (601 psi)		High pressure senor, 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		
				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)	3/8 (9.52) Brazed		3/8 (9.52) 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				
		19.2% to 100%		19.2% to 100%		
Compressor Operating Range						

Remarks		- 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. elbow1pc.
- 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.

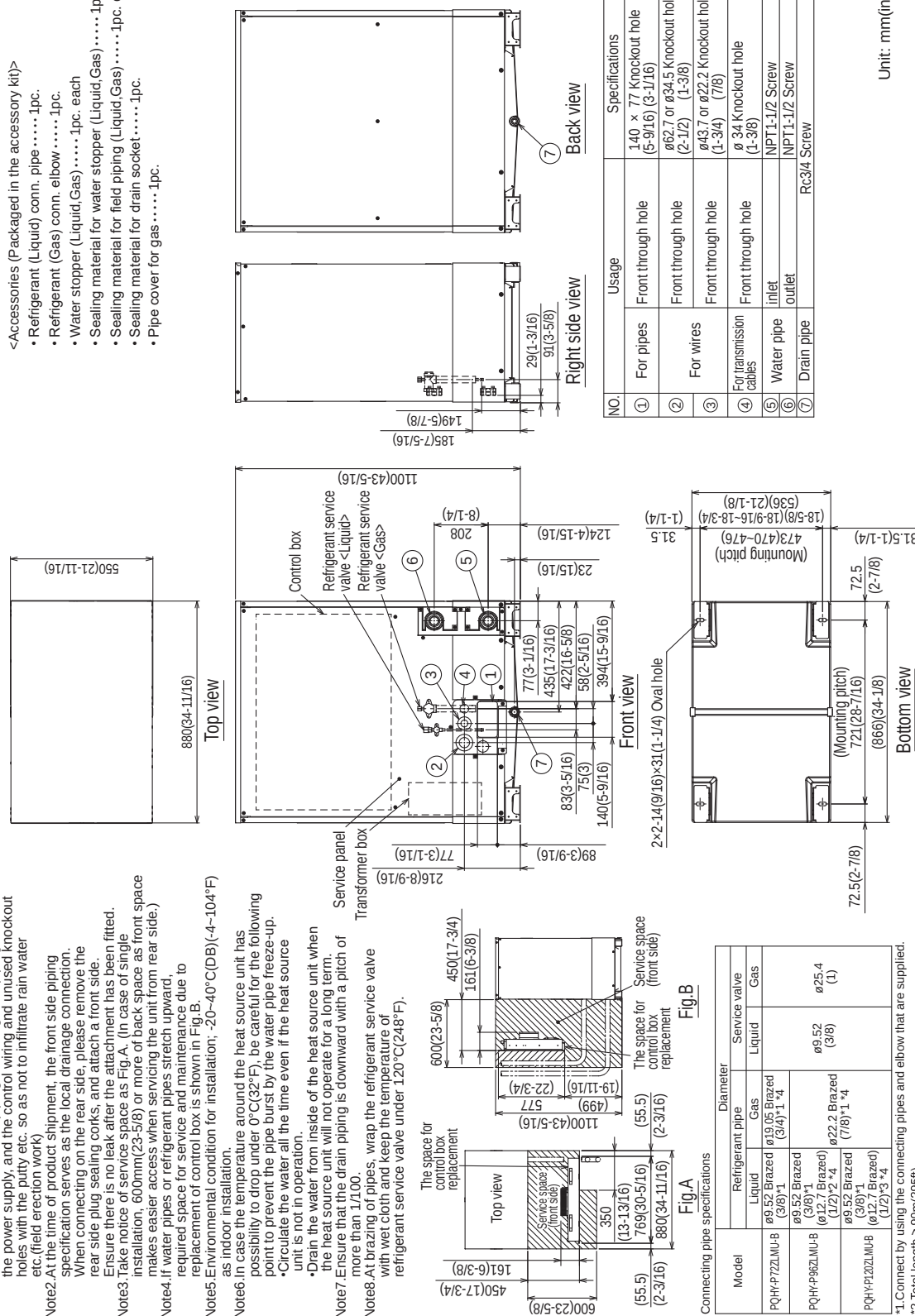


Fig. B

Fig. A

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

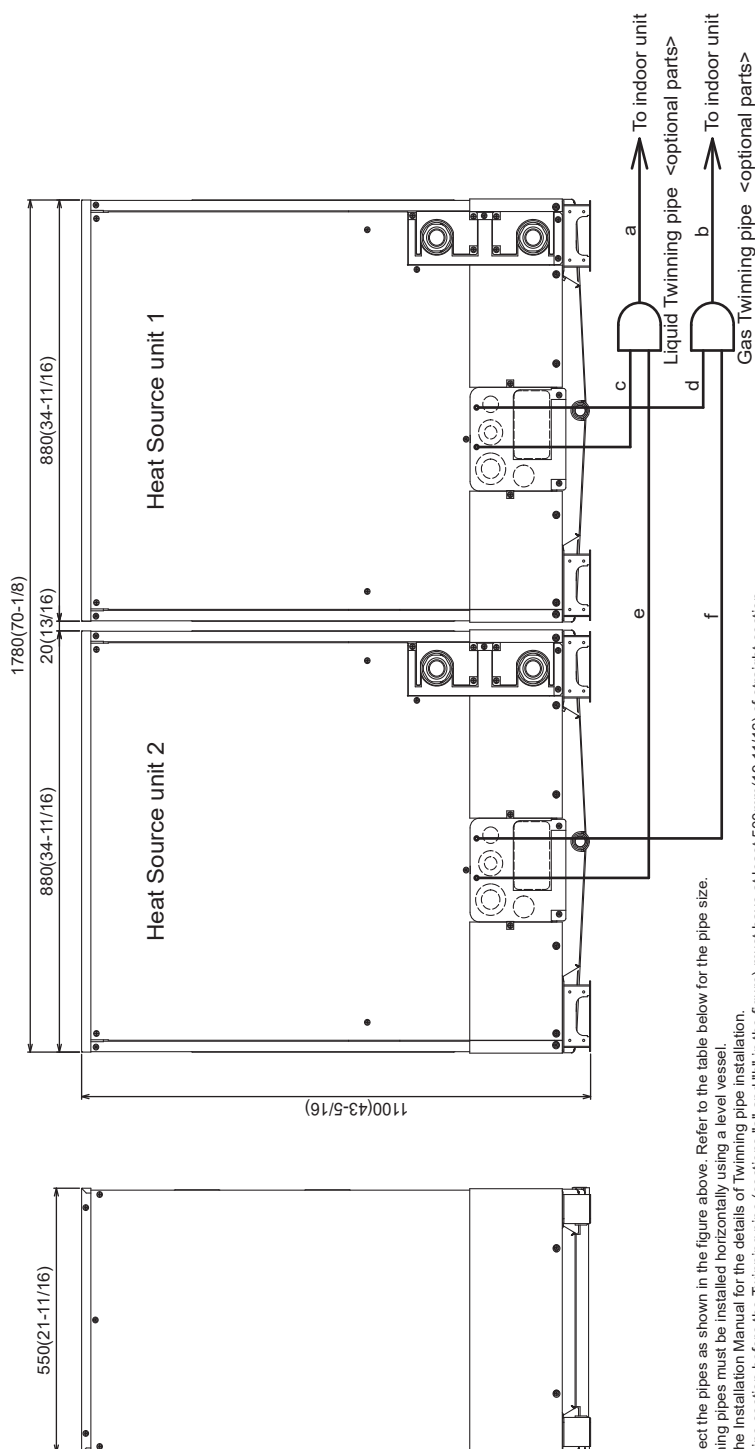
*4. Use the pipe joint (field supply) and connect to the refrigerant service valve piping.

*4. Use the pipe joint(field sup

*4. Use the pipe joint(field sup

*4. Use the pipe joint(field sup

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) 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).

Twinning pipe connection size		Package unit name		Component unit name		Twinning kit(optional parts)	
Heat Source unit 1	Heat Source unit 1	POHY-P144ZSLMU-B	POHY-P168ZSLMU-B	POHY-P192ZSLMU-B	POHY-P216ZSLMU-B	POHY-P240ZSLMU-B	
	Heat Source unit 2	POHY-P77ZLMU-B	POHY-P96ZLMU-B	POHY-P96ZLMU-B	POHY-P120ZLMU-B	POHY-P120ZLMU-B	
Twinning pipe-Heat Source unit 1	Heat Source unit 1	POHY-P77ZLMU-B	POHY-P77ZLMU-B	POHY-P96ZLMU-B	POHY-P96ZLMU-B	POHY-P96ZLMU-B	
	Heat Source unit 2	POHY-P77ZLMU-B	POHY-P77ZLMU-B	POHY-P96ZLMU-B	POHY-P96ZLMU-B	POHY-P120ZLMU-B	
Indoor unit-Twinning pipe		Liquid	ø12.7(1/2)		ø15.88(5/8)		
Twinning pipe-Heat Source unit 1		Gas	b		ø28.58(1-1/8)		
Twinning pipe-Heat Source unit 1		Liquid	c		ø9.52(3/8)		ø12.7(1/2)
Twinning pipe-Heat Source unit 2		Gas	d		ø22.2(7/8)		
Twinning pipe-Heat Source unit 2		Liquid	e		ø9.52(3/8)		ø12.7(1/2)
Twinning pipe-Heat Source unit 2		Gas	f		ø22.2(7/8)		



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