

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 (Nominal)			BTU/h	72,000						
			kW	21.1						
(575) Power input			kW	3.61						
(575) Current input			A	4.0						
(Rated)			BTU/h	69,000						
			kW	20.2						
(575) Power input			kW	3.60				3.59		
(575) Current input			A	4.0				4.0		
Temp. range of cooling			Indoor	W.B.		59 ~ 75°F		(15 ~ 24°C)		
			Inlet water	°F		50 ~ 113°F		(10 ~ 45°C)		
Heating capacity (Nominal)			BTU/h	80,000						
			kW	23.4						
(575) Power input			kW	4.04						
(575) Current input			A	4.5						
(Rated)			BTU/h	76,000						
			kW	22.3						
(575) Power input			kW	3.78				3.36		
(575) Current input			A	4.2				3.7		
Temp. range of heating			Indoor	D.B.		59 ~ 81°F		(15 ~ 27°C)		
			Inlet water	°F		50 ~ 113°F		(10 ~ 45°C)		
Indoor unit connectable			50~130% of heatsource unit capacity							
			Model / Quantity							
			P04 ~ P96 / 1 ~ 18							
Sound power level (measured in anechoic room)			dB <A>	60.5						
Refrigerant			Liquid pipe	3/8 (9.52) Brazed						
piping diameter			Gas pipe	3/4 (19.05) Brazed						
Minimum Circuit Ampacity			A	6						
Maximum Overcurrent Protection			A	15						
Circulating water			Water flow rate		G/h	G/min	m³/h	L/min	cfm	
					1,440	24	5.45	91	3.2	
			Pressure drop		psi	3.48				
					kPa	24				
			Operating volume range		G/h	793 ~ 1,902				
G/min	13.2 ~ 31.7									
m³/h	3.0 ~ 7.2									
Compressor			Type x Quantity		Inverter scroll hermetic compressor x1					
			Starting method		Inverter					
			Motor output		4.3					
			Case heater		0.035					
			Lubricant		MEL32					
External finish			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)					
Protection devices			High Pressure protection		High pressure sensor, High pressure switch at 4.15 MPa (601 psi)					
			Inverter circuit		Over-heat protection, Over-current protection					
			Compressor		Over-heat protection					
Refrigerant			Type x original charge		R410A x 11 lbs + 1 oz (5.0 kg)					
			Control		LEV and HIC circuit					
Net weight			lbs (kg)		400 (181)					
Heat Exchanger			Water volume in plate		plate type					
					G	1.22				
			Water pressure Max.		l	4.6				
					psi	290				
					Mpa	2.0				
HIC circuit (HIC: Heat Inter-Changer)			Copper pipe, tube-in-tube structure							
Optional parts			Joint: CMY-Y102SS-G2, CMY-Y102LS-G2							
			Header: CMY-Y104, 108, 1010C-G							
Compressor Operating Range			23.8% to 100%							
AHRI Ratings			EER		17.3 / 18.30					
(Ducted / Non-Ducted)			IEER		22.30 / 23.80					
			COP @ 68°F		5.62 / 5.48					

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.

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.

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