

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	120,000						
			kW						
		(575)	Power input	7.51					
			Current input	8.3					
(Rated)		BTU/h	115,000						
			kW						
		(575)	Power input	7.38			7.77		
			Current input	8.2			8.6		
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	135,000						
			kW						
		(575)	Power input	7.09					
			Current input	7.9					
(Rated)		BTU/h	129,000						
			kW						
		(575)	Power input	5.78			5.89		
			Current input	6.4			6.5		
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		Total capacity		50~130% of heatsource unit capacity					
		Model / Quantity		P04 ~ P96 / 1 ~ 30					
Sound power level		(measured in anechoic room) *3		dB <A>		71.0			
Refrigerant		Liquid pipe		in. (mm)		3/8 (9.52) Brazed (1/2 (12.7) Brazed, total length >= 40 m)			
piping diameter		Gas pipe		in. (mm)		7/8 (22.2) Brazed			
Minimum Circuit Ampacity				A		13			
Maximum Overcurrent Protection				A		20			
Circulating water		Water flow rate		G/h	G/min	m³/h	L/min	cfm	
				1,522	25.4	5.76	96	3.4	
		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		7.7					
		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 senor, 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		G	plate type				
				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, CMY-Y202S-G2						
			Header: CMY-Y104, 108, 1010C-G						
Compressor Operating Range			15.6% to 100%						
AHRI Ratings (Ducted / Non-Ducted)		EER		13.80 / 15.10					
		IEER		21.50 / 24.30					
		COP @ 68°F		5.61 / 6.15					

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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