

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

Specifications:									
Indoor Model			Non-Ducted			Ducted			
Power source			3-phase 3-wire 575V ±10% 60 Hz						
Cooling capacity (Nominal)		*1	BTU/h	96,000					
			kW	28.1					
(575)	(Rated)	Power input	kW	5.21					
		Current input	A	5.8					
		Power input	BTU/h	92,000					
			kW	27.0					
(575)	Power input	kW	5.22	5.45					
		Current input	A	5.8	6.0				
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)		*2	BTU/h	108,000					
			kW	31.7					
(575)	(Rated)	Power input	kW	5.64					
		Current input	A	6.2					
		Power input	BTU/h	103,000					
			kW	30.2					
(575)	Power input	kW	4.49	4.48					
		Current input	A	5.0	4.9				
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 ~ 24					
Sound power level		(measured in anechoic room) *3	dB <A>	65.0					
Refrigerant		Liquid pipe	in. (mm)	3/8 (9.52) Brazed (1/2 (12.7) Brazed, total length >= 90 m)					
piping diameter		Gas pipe	in. (mm)	7/8 (22.2) Brazed					
Minimum Circuit Ampacity			A	9					
Maximum Overcurrent Protection			A	15					
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	kW	6.0					
		Case heater	kW	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				
		I	4.6						
		Water pressure Max.	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			19.2% to 100%						
AHRI Ratings (Ducted / Non-Ducted)		EER	15.60 / 17.00						
		IEER	22.60 / 24.80						
		COP @ 68°F	5.85 / 6.32						

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).
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Notes:

- 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)
- 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)
- 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)
- All electrical work shall comply with National (CEC) and local codes and regulations.
- 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).
- 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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