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



Images provided for reference purposes only

- HVRF Fan Coil Unit designed specifically for use with CITY MULTI outdoor units
- New stylish and square design with built-in condensate lift mechanism
- Four fan speed settings
- Adjustable vane control through unit controller
- Independent cycling of horizontal and vertical vane positions

- Dual set point functionality <sup>(\*)</sup>
- 3D i-see Sensor <sup>(\*\*)</sup> available <sup>(\*\*\*)</sup>
- Easier to install with ventilation air intake supported
- Lightweight, low profile compact design
- IT Terminal plug

**Specifications:**

|  |                        |  |                             |                              |      |
|--|------------------------|--|-----------------------------|------------------------------|------|
| Power source                                     |                        | 1-phase 208/230 V 60 Hz                              |                             |                              |      |
| MCA / MOP  | A                      | 0.35 / 15  |                             |                              |      |
| Cooling capacity                                 | *1                     | BTU/h  | 8,000                       |                              |      |
|  | *1                     | kW   | 2.3                         |                              |      |
|  |                        | Power input  | kW                          | 0.03                         |      |
|  |                        | Current input  | A                           | 0.29                         |      |
| Heating capacity                                 | *2                     | BTU/h  | 9,000                       |                              |      |
|  | *2                     | kW   | 2.6                         |                              |      |
|  |                        | Power input  | kW                          | 0.03                         |      |
|  |                        | Current input  | A                           | 0.23                         |      |
| External finish                                  |                        | Galvanized steel plate                               |                             |                              |      |
| External dimension H x W x D                     |                        | inch   | 10-3/16 x 33-2/32 x 33-2/32 |                              |      |
|  |                        | mm   | 258 x 840 x 840             |                              |      |
| Net weight                                       |                        | lbs (kg)   | 40 (18)                     |                              |      |
| Decoration panel                                 | Model                  |  | PLP-41EAEU                  |                              |      |
|  | External finish        |  | MUNSELL (1.0Y 9.2/0.2)      |                              |      |
|  | Dimension              |  | inch                        | 1-9/16 x 37-13/32 x 37-13/32 |      |
|  | H x W x D              |  | mm                          | 40 x 950 x 950               |      |
| Net weight                                       |                        | lbs (kg)   | 11 (5)                      |                              |      |
| Heat exchanger                                   |                        | Cross fin (Aluminum fin and copper tube)             |                             |                              |      |
| Water Volume                                     |                        | L  | 1.0                         |                              |      |
| FAN  | Type x Quantity        |  | Turbo fan x 1               |                              |      |
|  | External static press. |  | in.WG                       | 0.0                          |      |
|  |                        |  | Pa                          | 0.0                          |      |
|  | Motor Type             |  | DC motor                    |                              |      |
|  | Motor output           |  | kW                          |                              | 0.05 |
|  | Driving mechanism      |  | Direct-driven               |                              |      |
|  | Air flow rate          |  | (Low-Mid2-Mid1-High)        |                              |      |
|  |                        |  | cfm                         | 424-459-530-600              |      |
| m3/min   |                        |  | 12-13-15-17                 |                              |      |
|  |                        | L/s  | 200-217-250-283             |                              |      |
| Sound pressure level (measured in anechoic room) |                        | (Low-Mid2-Mid1-High)                                 |                             |                              |      |
|  |                        | dB <A>   | 24-26-28-30                 |                              |      |
| Insulation material                              |                        | PS   |                             |                              |      |
| Air filter                                       |                        | PP honeycomb (long life filter, anti-bacterial type) |                             |                              |      |
| Protection device                                |                        | Fuse   |                             |                              |      |
| Refrigerant control device                       |                        | -  |                             |                              |      |
| Connectable HBC controller                       |                        | CMB-WP-NU-AA, CMB-WP-NU-AB                           |                             |                              |      |
| Water piping diameter <sup>*3,4</sup>            |                        |  |                             |                              |      |
|  | Connection size        | Inlet  | mm O.D.                     | 22                           |      |
|  |                        | Outlet   | mm O.D.                     | 22                           |      |
|  | Field pipe size        | Inlet  | mm I.D. [in I.D.]           | 20 [1]                       |      |
|  |                        | Outlet   | mm I.D. [in I.D.]           | 20 [1]                       |      |
| Field drain pipe size                            |                        | inch (mm)  | O.D. 1-1/4 (32)             |                              |      |

**Notes:**

1. Nominal cooling conditions  
 Indoor: 80°FDB./67°FWB. (26.7°CDB./19.4°CWB.), Outdoor: 95°FDB. (35°CDB.)  
 Pipe length: 25 ft. (7.6 m), Level difference: 0 ft. (0 m)
2. Nominal heating conditions  
 Indoor: 70°FDB. (21.1°CDB.), Outdoor: 47°FDB./43°FWB. (8.3°CDB./6.1°CWB.)  
 Pipe length: 25 ft. (7.6 m), Level difference: 0 ft. (0 m)
3. Be sure to install a valve on the water inlet/outlet. Install an automatic air vent.
4. Install a strainer (40 mesh or more) on the pipe next to the valve to remove the foreign matters.
5. Ventilation air to be introduced independent of or in series with HVRF indoor units. Please refer to local codes for the required ventilation rates specific to the application.
6. All components of the system must be compatible.
7. Applications should be restricted to comfort heating and cooling only; process/equipment heating and cooling applications are not recommended.
8. 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).
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