MITSUBISHI ELECTRIC
Heating and Cooling

# Submittal Data: PLFY-WL12NEMU-E-TH

## 12,000 BTU/H 4-Way Ceiling Cassette

CITY MULTI

| | | |
|---|---|---|
| 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 (*6)
- 3D i-see Sensor™ available (*6)
- 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 | 12,000 |
| | | *1 | kW | 3.5 |
| | Power input | | kW | 0.03 |
| | Current input | | A | 0.33 |
| Heating capacity | | *2 | BTU/h | 13,500 |
| | | *2 | kW | 4.0 |
| | Power input | | kW | 0.03 |
| | Current input | | A | 0.27 |
| External finish | | | | Galvanized steel plate |
| External dimension H × W × D | | | inch | 10-3/16 × 33-2/32× 33-2/32 |
| | | | mm | 258 × 840 × 840 |
| Net weight | | | lbs (kg) | 44 (20) |
| 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 × W × 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 | 1.8 |
| FAN | Type × Quantity | | | Turbo fan × 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 | 494-530-565-600 |
| | | | m3/min | 14-15-16-17 |
| | | | L/s | 233-250-267-283 |
| Sound pressure level (measured in anechoic room) | | | | (Low-Mid2-Mid1-High) |
| | | | dB <A> | 26-27-29-30 |
| 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 | *3, 4 | | | |
| | 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) |

| Model Number | | Optional Accessories | | Model Number | | Optional Accessories |
|---|---|---|---|---|---|---|
| PLP-41EAEU | ☐ | 3D i-see Sensor corner panel | | PAC-SH65OF-E | ☐ | Flange for fresh air intake |
| PAC-SJ41TM-E | ☐ | Multi-functional casement | | PAR-SR4LU-E | ☐ | Wireless signal receiver |
| PAC-SH59KF-E | ☐ | High-efficiency filter element | | PAC-YU25HT | ☐ | External heater adapter |
| PAC-SJ37SP-E | ☐ | Air outlet shutter plate (1 set) | | | | |

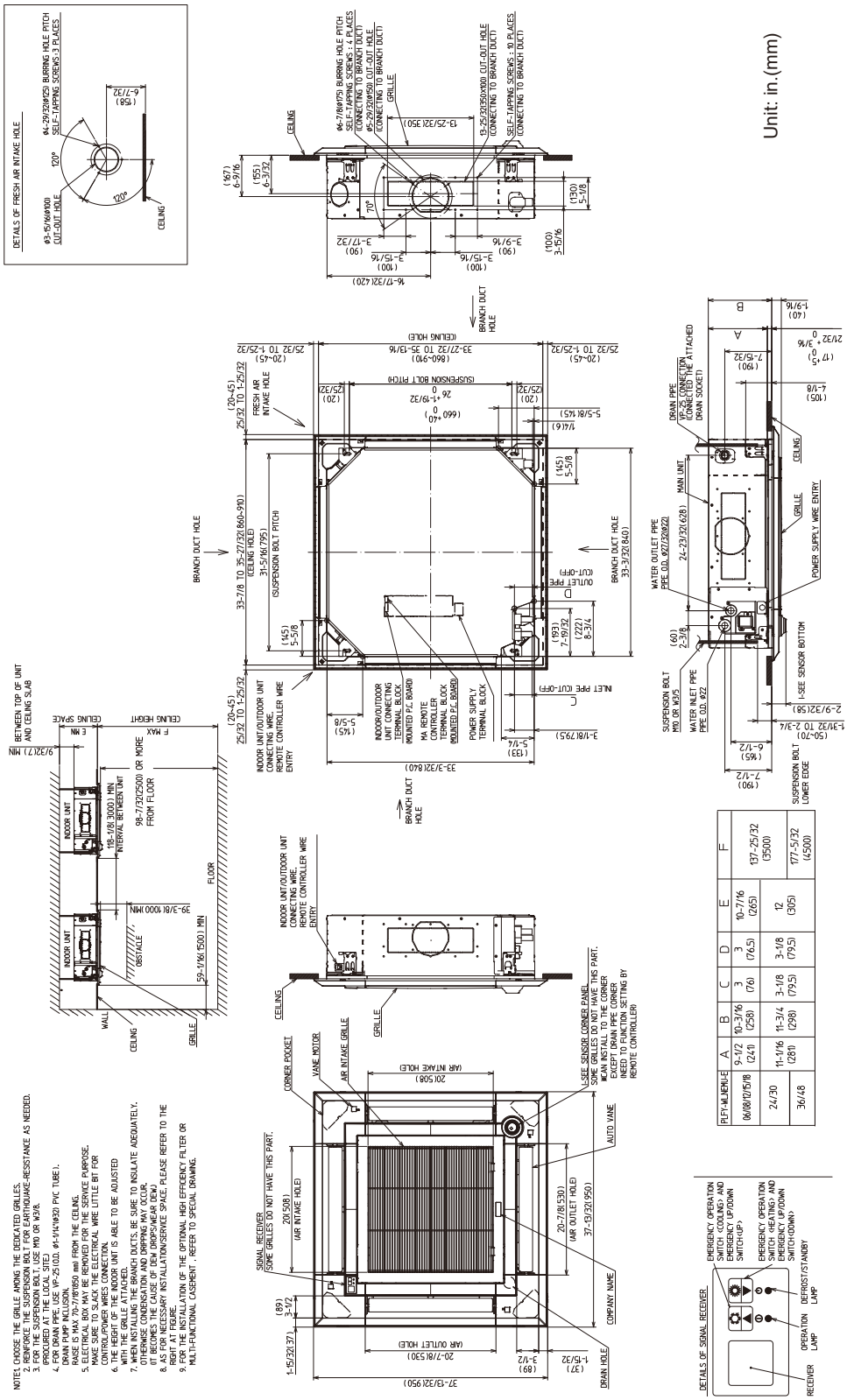
**Notes:**

1. Nominal cooling conditions
   Indoor: 80°FD.B./67°FW.B. (26.7°CD.B./19.4°CW.B.), Outdoor: 95°FD.B. (35°CD.B.)
   Pipe length: 25 ft. (7.6 m), Level difference: 0 ft. (0 m)
2. Nominal heating conditions
   Indoor: 70°FD.B. (21.1°CD.B.), Outdoor: 47°FD.B./43°FW.B. (8.3°CD.B./6.1°CW.B.)
   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).
9. 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.

# Submittal Data: PLFY-WL12NEMU-E-TH



## Indoor Unit Outline and Dimensions:




| PLFY-WL(NEMU,P)-E | A | B | C | D | E | F |
|---|---|---|---|---|---|---|
| 06/08/12/15/18 | 9-1/2 (241) | 10-3/16 (258) | 3 (76) | 3 (76,5) | 10-7/16 (265) | 137-25/32 (3500) |
| 24/30 | 11-1/16 (281) | 11-3/4 (298) | 3-1/8 (79,5) | 3-1/8 (79,5) | 12 (305) | 177-5/32 (4500) |
| 36/48 | | | | | | |

NOTE:
1. CHOOSE THE GRILLE AMONG THE DEDICATED GRILLES.
2. REINFORCE THE SUSPENSION BOLT FOR EARTHQUAKE-RESISTANCE AS NEEDED.
3. FOR THE SUSPENSION BOLT, USE M10 OR W3/8.
4. FOR DRAIN PIPE, USE VP-25 (O.D. Ø1-1/16"(Ø32) PVC TUBE).
   (PROCURED AT THE LOCAL SITE)
   DRAIN PUMP INCLUSION.
   RAISE IS MAX 70-7/8"(850 mm) FROM THE CEILING.
5. ELECTRICAL BOX MAY BE REMOVED FOR THE SERVICE PURPOSE.
   MAKE SURE TO SLACK THE ELECTRICAL WIRE LITTLE BIT FOR
   CONTROL BOX WHEN REMOVED FOR SERVICE.
6. THE HEIGHT OF THE INDOOR UNIT IS ABLE TO BE ADJUSTED
   WITH THE GRILLE ATTACHED.
7. WHEN INSTALLING THE BRANCH DUCTS, BE SURE TO INSULATE ADEQUATELY.
   OTHERWISE, CONDENSATION AND DRIPPING MAY OCCUR.
8. AS FOR NECESSARY INSTALLATION/SERVICE SPACE, PLEASE REFER TO THE
   RIGHT AT FIGURE.
9. FOR THE INSTALLATION OF THE OPTIONAL HIGH EFFICIENCY FILTER OR
   MULTI-FUNCTIONAL CASEMENT, REFER TO SPECIAL DRAWING.