CITYMULTI®

# PLFY-WL48NEMU-E.TH
## 48,000 BTU/H 33” X 33” HVRF 4-WAY CEILING CASSETTE

MITSUBISHI ELECTRIC
HEATING & AIR CONDITIONING

Job Name:

System Reference: Date:



GENERAL FEATURES

- Square edge, sleek design
- 3D turbo fan enabling increased airflow
- Built-in 3D i-see Sensor®*
- Improved installation features*
- Occupancy detection*
- Energy saving features*
- Improved occupant comfort
- Four fan speed settings including auto-fan
- Corner pocket design for simplified installation
- Built-in condensate lift mechanism designed to provide up to 33-7/16″ of lift
- Ventilation air intake supported

* 3D i-See sensor® settings requires either PAR-40MAAU or PAR-41MAAU controller.

| Specifications | | | System |
|---|---|---|---|
| Unit Type | | | PLFY-WL48NEMU-E.TH |
| Cooling capacity (Nominal)[1] | | BTU/H | 48,000 |
| Heating capacity (Nominal)[1] | | BTU/H | 54,000 |
| Power source | | Voltage, Phase, Hertz | 208/230V, 1-phase, 60 Hz |
| Power Consumption | Cooling | kW | 0.11 |
| | Heating | kW | 0.11 |
| Current | Cooling | A | 1.05/1.05 |
| | Heating | A | 0.99/0.99 |
| MCA | | A | 0.7/0.7 |
| Water Volume | | Gallons (Liters) | 0.819 (3.1) |
| External finish | | | Galvanized Steel Plate |
| External Dimensions | | In. [mm] | 33-3/32 x 33-3/32 x 11-3/4 [840 x 840 x 298] |
| Net weight | | Lbs [kg] | 55 [25] |
| Heat exchanger | | | Cross fin (Aluminum fin and copper tube) |
| Fan | Type x quantity | | Turbo Fan x 1 |
| | Airflow rate | CFM | 706–883–1,059–1,236 |
| | Motor type | | DC motor |
| | Motor Output | kW | 0.12 |
| | Motor FLA | A | 0.56 |
| Sound pressure level (Measured in anechoic room) | | dB(A) | 33–37–40–46 |
| Air filter | | | PP honeycomb (long life filter, anti-bacterial type) |
| Diameter of drain pipe | | In. [mm] | O.D. 37,987 [32] |
| Connectable HBC Controller | | | CMB-WP-NU-AA, CMB-WP-NU-AB |
| Diameter of Water Pipe Connections (O.D.) | Supply Connection (O.D.) | mm | 22 |
| | Return Connection (O.D.) | mm | 22 |

NOTES:
Cooling | Indoor: 81° F (27° C) DB / 66° F (19°C) WB; Outdoor 95° F (35° C) DB
Heating | Indoor: 68° F (20° C) DB; Outdoor 45° F (7° C) DB / 43° F (6° C) WB

Specifications are subject to change without notice.

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# INDOOR UNIT ACCESSORIES: PLFY-WL48NEMU-E.TH

| | | |
|---|---|---|
| Wired Remote Controller | Deluxe Wired MA Remote Controller† | ☐ PAR-40MAAU |
| | Simple MA Remote Controller† | ☐ PAC-YT53CRAU-J |
| | Touch MA Controller† | ☐ PAR-CT01MAU-SB |
| Wireless Remote Controller | Wireless MA Remote Controller | ☐ PAR-FL32MA-E |
| | Wireless Remote Contoller | ☐ PAR-SL101A-E |
| Casement | Multi-function Casement | ☐ PAC-SJ41TM-E |
| Condensate | Blue Diamond (Advanced) Mini Condensate Pump w/ Reservoir & Sensor (208/230V) [recommended] | ☐ X87-721 |
| | Blue Diamond (MegaBlue Advanced) Condensate Pump w/ Reservoir & Sensor | ☐ X87-835 |
| | Blue Diamond (MicroBlue) Mini Condensate Pump (110/208/230V) up to 18,000 BTU/H | ☐ X86-003 |
| | Blue Diamond Alarm Extension Cable—6.5 Ft. | ☐ C13-192 |
| | Blue Diamond MultiTank — collection tank for use with multiple pumps | ☐ C21-014 |
| | Blue Diamond Sensor Extension Cable — 15 Ft. | ☐ C13-103 |
| | Drain Pan Level Sensor/Control | ☐ SS610E |
| | Refco Condensate Pump (100-240 VAC) up to 120,000 BTU/H | ☐ COMBI |
| | Rubber Mounting / Isolation Pads (2) | ☐ F10-011 |
| | Sauermann Condensate Pump | ☐ SI30-230 |
| Control Interface | 3-Pin Connector | ☐ PAC-715AD |
| | CN24 Relay Kit | ☐ CN24RELAY-KIT-CM3 |
| | Connector and wire for Operation status/error using CN51 | ☐ PAC-725AD |
| Disconnect Switch | (30A/600V/UL) [fits 2" X 4" utility box] - White | ☐ TAZ-MS303W |
| Filter | High Efficiency Filter Element** | ☐ PAC-SH59KF-E |
| HBC Controller | Hybrid VRF Main BC 16 Port | ☐ CMB-WP1016NU-AA |
| | Hybrid VRF Main BC 8 Port | ☐ CMB-WP108NU-AA |
| | Hybrid VRF Sub BC 16 Port | ☐ CMB-WP1016NU-AB |
| | Hybrid VRF Sub BC 8 Port | ☐ CMB-WP108NU-AB |
| HVRF Accessories | (2x) Isolation Ball Valve and (2x) 22mm Compression Fitting | ☐ KIT2-NA10883-CAL |
| | 25mm Isoflow Multi, 25m Coil w/ 1" Titan | ☐ 13630061001-REH |
| | 25mm PVDF SDR11 Sleeve (Box QTY 50) | ☐ 11803271001-REH |
| | 25mm SDR11 Coupling (Bag QTY 10) | ☐ 11690101001-REH |
| | 25mm SDR11 Elbow (Bag QTY 10) | ☐ 11691261001-REH |
| | 25mm SDR11 x 3/4" FPT Fitting (Bag QTY 1) | ☐ 15012451001-REH |
| | 25mm SDR11 x 3/4" MPT Fitting(Bag QTY 10) | ☐ 15012461001-REH |
| | 25mm x 25mm x 25mm SDR11 Tee(Bag QTY 10) | ☐ 11690561001-REH |
| | 25mm x 25mm x 25mm SDR11 Tee(Bag QTY 10) | ☐ 15012471001-REH |
| | 40mm Isoflow Multi, 5m Stick w/ 1.5" Titan | ☐ 13630071001-REH |
| | 40mm PVDF SDR11 Sleeve (Box QTY 25) | ☐ 11803291001-REH |
| | 40mm SDR11 Coupling (Bag QTY 5) | ☐ 11690151001-REH |
| | 40mm SDR11 Elbow (Box QTY 1) | ☐ 11691301001-REH |
| | 40mm SDR11 x 3/4" MPT Fitting (Box QTY 1) | ☐ 15012481001-REH |
| | 40mm x 40mm x 25mm SDR11 Tee (Bag QTY 1) | ☐ 11690691001-REH |
| | Compact Discal AAV w/ Hydroscopic Cap and Drain Plug | ☐ KIT3-NA10884-CAL |
| | Copper Press Tailpieces (3/4") | ☐ KIT5-NA10881-CAL |
| | Drain Valve w/ Brass NPT T-Fitting | ☐ KIT4-NA10885-CAL |
| | RAUTOOL A-Light2 Kombi Tool KIT | ☐ 11094491001-REH |
| i-see Sensor® Panel | Grille with 3D i-see Sensor® | ☐ PLP-41EAEU |
| Shutter Plate | Shutter Plate | ☐ PAC-SJ37SP-E |

NOTES:
**High efficiency filter requires use of multi-function casement: PAC-SJ41TM-E

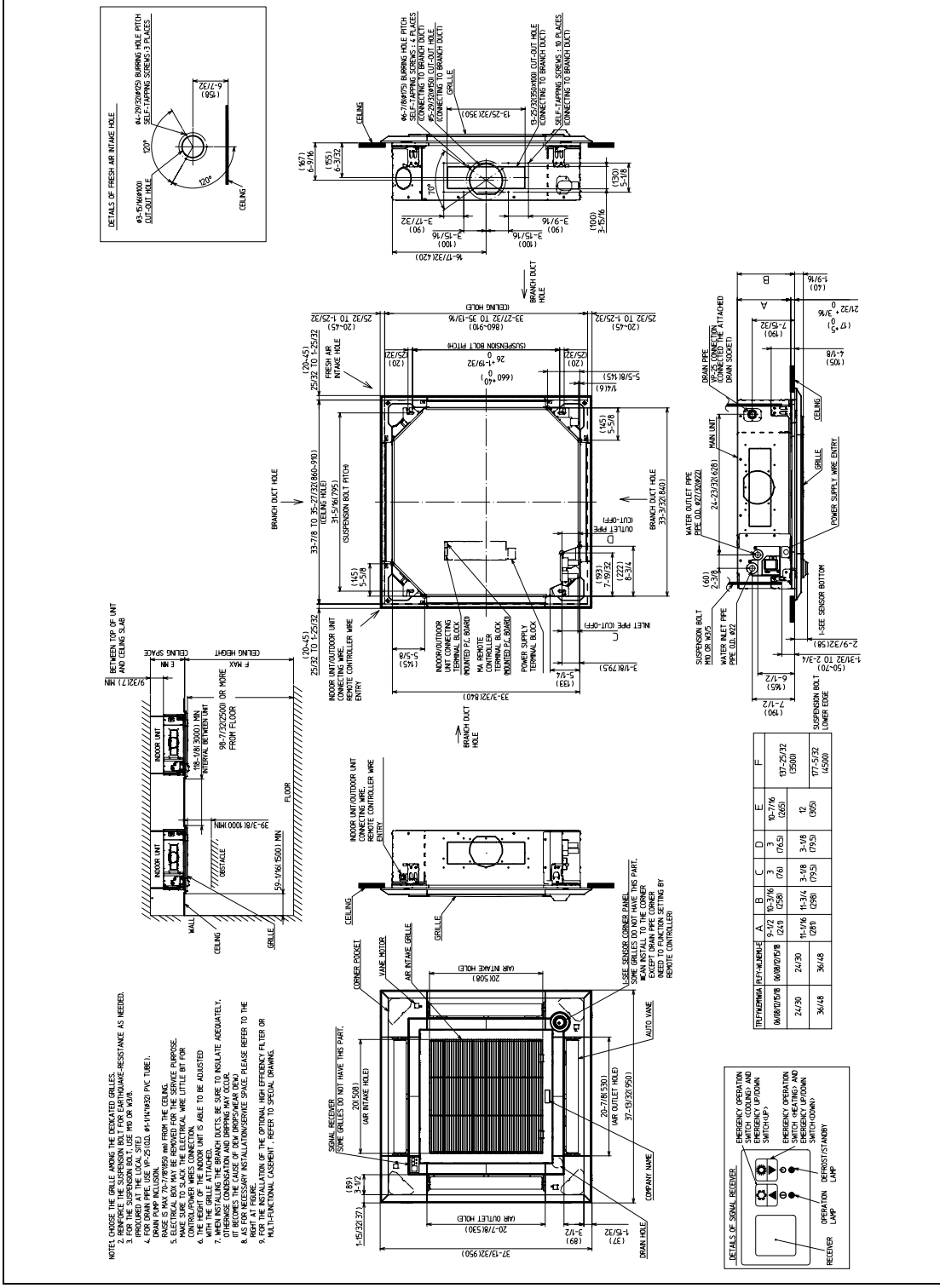
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# INDOOR UNIT DIMENSIONS: PLFY-WL48NEMU-E.TH

PLFY-WL06, 08, 12, 15, 18, 24, 30, 36, 48 NEMU-E

Unit: in.(mm)




| TYPE/NEMU/MA | PLFY-WL(NEMU)-E | A | B | C | D | E | F |
|---|---|---|---|---|---|---|---|
| 06/08/10/15/18 | 06/08/10/15/18 | 9-1/2 (241) | 10-3/16 (258) | 3 (76) | 3 (76.5) | 10-7/16 (265) | 137-25/32 (3500) |
| 24/30 | 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 | 36/48 | | | | | | |

NOTES:
1. CHOOSE THE GRILLE AMONG THE RECOMMENDED GRILLES.
2. PREPARE THE SUSPENSION BOLT FOR EARTHQUAKE-RESISTANCE AS NEEDED.
3. FOR THE SUSPENSION BOLT, USE M10 OR W3/8.
   (PROCURED AT THE LOCAL SITE)
4. FOR DRAIN PIPE, USE VP-25 (O.D. ø1-1/4"(ø32) PVC TUBE).
   (MAIN UNIT FOLLOW)
   RAISE IS MAX 29-1/2"(750 mm) FROM THE CEILING.
5. ELECTRICAL BOX MAY BE REMOVED FOR THE SERVICE PURPOSE.
   IN CASES USED AS AN EXTENSION, THE ELECTRICAL WIRE LITTLE BIT FOR CONTROL(PURPLE) WIRES CONNECTION.
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.
   IT BECOMES THE CAUSE OF DEW DROPS(WEAR DEW).
8. REFER TO P.15 FOR NECESSARY INSTALLATION(SERVICE SPACE. PLEASE REFER TO THE INSTALLATION MANUAL.
9. FOR THE INSTALLATION OF THE OPTIONAL HIGH EFFICIENCY FILTER OR MULTI-FUNCTIONAL CASEMENT , REFER TO SPECIAL DRAWING.


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