CITYMULTI®

# PLFY-EP48NEMU1-E.TH
## 48,000 BTU/H 33” X 33” 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 the PAR-41MAAU controller

| Specifications | | | System |
|---|---|---|---|
| Unit Type | | | PLFY-EP48NEMU1-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 | 1.0 |
| | Heating | A | 1.0 |
| MCA | | A | 1.27 |
| Maximum Overcurrent Protection (MOCP) | | A | 15 |
| External finish | | | Galvanized steel sheet |
| 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 | 777–954–1,095–1,236 |
| | Motor type | | DC motor |
| | Motor Output | kW | 0.12 |
| | Motor FLA | A | 1.01 |
| Sound pressure level (Measured in anechoic room) | | dB(A) | 36–39–42–45 |
| Air filter | | | PP honeycomb (long life filter, anti-bacterial type) |
| Refrigerant | Type | | R410A |
| Diameter of refrigerant pipe (O.D.) | Liquid (High Pressure) | In. [mm] | 3/8 [9.52] Flare |
| | Gas (Low Pressure) | In. [mm] | 5/8 [15.88] Flare |
| Diameter of drain pipe | | In. [mm] | O.D. 1-1/4 [32] |

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-EP48NEMU1-E.TH

| | | |
|---|---|---|
| Control Interface | Backup Heat Relay Kit Adapter for CN24 or CN152 on ducted models | ☐ CN24RELAY-KIT-CM3 |
| | IT Extender for kumo station™ | ☐ PAC-WHS01IE-E |
| | kumo station™ for kumo cloud® | ☐ PAC-WHS01HC-E |
| | Procon BACnet® and Modbus® Interface | ☐ PAC-UKPRC001-CN-1 |
| | Thermostat Interface for 3rd Party Thermostats | ☐ PAC-US445CN-1 |
| Remote Sensor | Flush Mount Remote Temperature Sensor for SEZ, SLZ, SVZ and all P-Series models | ☐ PAC-USSEN002-FM-1 |
| Terminal Signal Adapter | CN105 Adapter for older models without a CN105 connector | ☐ PAC-IT52AD-E |
| | CN105 Wire Harness Adapter for CN51 | ☐ PAC-IT51AD-E |
| Wired Remote Controller | Deluxe MA Wired Remote Controller† | ☐ PAR-41MAAU |
| | Simple Ductless Wired Remote Controller | ☐ PAC-SDW01RC-1 |
| | Simple MA Remote Controller | ☐ PAC-YT53CRAU-J |
| | Smart ME Remote Controller | ☐ PAR-U01MEDU-K |
| | Touch MA Wired Remote Controller | ☐ PAR-CT01MAU-SB |
| Wireless Remote Controller | kumo touch™ RedLINK™ Wireless Controller & Receiver kit | ☐ MHK2 |
| | Universal Wireless MA Handheld Remote Controller | ☐ PAR-FL32MA-E |
| | Universal Wireless Receiver for PAR-FL32MA-E | ☐ PAR-FA32MA-W |
| | Wireless Handheld Remote Controller for SLZ, PLA, and PLFY models | ☐ PAR-SL101A-E |
| | Wireless Receiver for PAR-SL101A-E on PLA-EA7 and PLFY-NEMU models | ☐ PAR-SR4LU-E |
| | Wireless Remote Receiver Panel | ☐ PAR-SR3LA-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 MultiTank — collection tank for use with multiple pumps | ☐ C21-014 |
| | Blue Diamond Sensor Extension Cable — 15 Ft. | ☐ C13-103 |
| | Refco Condensate Pump (100-240 VAC) up to 120,000 BTU/H | ☐ COMBI |
| | Sauermann Condensate Pump | ☐ SI30-230 |
| Filter | High Efficiency Filter Element** | ☐ PAC-SH59KF-E |
| Lineset | | ☐ Lineset 3/8x5/8 |
| Shutter Plate | Shutter Plate | ☐ PAC-SJ37SP-E |

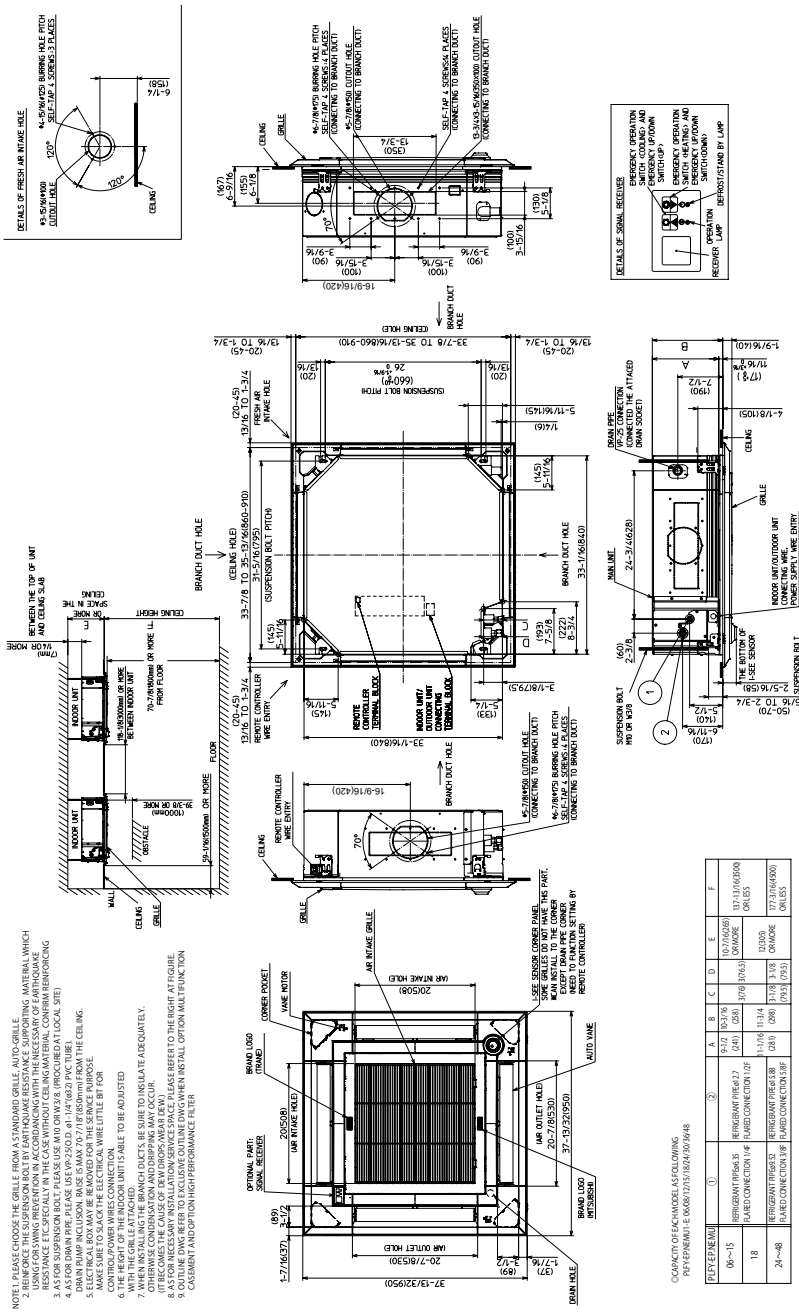
NOTES:
**High efficiency filter requires use of multi-function casement: PAC-SJ41TM-E

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# INDOOR UNIT DIMENSIONS: PLFY-EP48NEMU1-E.TH

**Unit: in (mm)**




NOTE 1. PLEASE CHOOSE THE GRILLE FROM A STANDARD GRILLE, AUTO-GRILLE.
2. REINFORCE THE SUSPENSION BOLT BY EARTHQUAKE RESISTANCE. SUPPORTING MATERIAL WHICH INCLUDE CEILING PERIPHERAL MATERIAL AND CEILING MATERIAL SHOULD HAVE SUFFICIENT STRENGTH RESISTANCE ETC.SPECIALLY IN THE CASE WITHOUT CEILING MATERIAL, CONFIRM REINFORCING
3. AS FOR SUSPENSION BOLT, PLEASE USE M10 OR W3/8. (PROCURED AT LOCAL SITE)
4. AS FOR DRAIN PIPE, PLEASE USE VP-25(O.D. ø1-1/4"(ø32) PVC TUBE).
5. ELECTRICAL BOX MAY BE REMOVED FOR THE SERVICE PURPOSE.
MAKE SURE TO SLACK THE ELECTRICAL WIRE LITTLE BIT FOR CONTROL/POWER WIRES CONNECTION.
6. THE AIR OUTLET FLANGE FOR 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 IS ALSO NECESSARY TO INSULATE THE BRANCH DUCTS WHICH WILL BE USED.
8. AS FOR NECESSARY INSTALLATION/SERVICE SPACE, PLEASE REFER TO THE RIGHT AT FIGURE.
9. OUTLINE DWG: REFER TO EXCLUSIVE OUTLINE DWG WHEN INSTALL OPTION MULTIFUNCTION CASEMENT AND OPTION HIGH PERFORMANCE FILTER.

※CAPACITY OF EACH MODEL AS FOLLOWING
PLFY-EP(NEMU)-E: 06/08/12/15/18/24/30/36/48

| PLFY-EP(NEMU) | ① | ② | A | B | C | D | E | F |
|---|---|---|---|---|---|---|---|---|
| 06~15 | REFRIGERANT PIPING Ø9.5 FLARED CONNECTION 1/4" | REFRIGERANT PIPING Ø7.7 FLARED CONNECTION 1/2" | 9-1/2 (241) | 10-3/16 (259) | 3(76) | 3(76.5) | 10-7/16(265) OR MORE | 13-13/16(350) OR LESS |
| 18 | | | 11-1/16 (281) | 11-3/4 (298) | 3-1/8 (79.5) | 3-1/8 (79.5) | 12(305) OR MORE | 17-3/16(430) OR LESS |
| 24~48 | REFRIGERANT PIPING Ø12.7 FLARED CONNECTION 1/2" | REFRIGERANT PIPING Ø9.88 FLARED CONNECTION 5/8" | | | | | | |


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