CITY**MULTI**® **Model: PLFY-P12NBMU-E** MITSUBISHI ELECTRIC

Job Name:

Schedule Reference: | Date:



GENERAL FEATURES

- R410A or R22 refrigerant-compatible
- Lightweight, low-profile compact design
- Customizable wide airflow pattern enables better air distribution—direction of each vane can be adjusted to fit room layout through Deluxe MA or ME controllers
- Auto wave airflow in heating mode—unit independently cycles through horizontal and vertical positions for more even heat distribution
- Four-speed fan settings and auto fan speed adjustment mode
- Corner-pocket design for simplified installation
- Built-in condensate lift mechanism; lifts to 33-1/2 in.
- Outside air capability
- Multiple sizes up to 36,000 Btu/h
- i-see sensor option uses infrared rays to search for hot and cold spots

Options

- □ Air Outlet Shutter Plate (2 pieces)……..PAC-SH51SP-E
- □ High-Efficiency Filter (MERV 10)…….....PAC-SH59KF-E
- □ Multi-function Casement.....……..…….PAC-SH53TM-E
- □ i-see Sensor Corner Panel..……..……...PAC-SA1ME-E
- □ Wireless Signal Receiver...……..…..……...PAR-SA9FA-E
- □ CN24 Relay Kit……..…CN24RELAY-KIT-CM3

* Cooling / Heating capacity indicated at the maximum value at operation under the following conditions:
Cooling | Indoor: 80° F (27° C) DB / 67° F (19° C) WB, Outdoor 95° F (35° C) DB
Heating | Indoor: 70° F (21° C) DB, Outdoor 47° F (8° C) DB / 43° F (6° C) WB

SPECIFICATIONS

Capacity*
Cooling…….....12,000 Btu/h
Heating…….....13,500 Btu/h

Power
Power Source…….....208 / 230V, 1-phase, 60Hz
Power Consumption
Cooling……0.03 kW
Heating……0.02 kW
Current
Cooling…….....0.22 A
Heating…….....0.14 A
Minimum Circuit Ampacity (MCA)……....0.64 A
Maximum Overcurrent Protection (MOCP) Fuse.…….....15 A

External Finish…Grille (White; Munsell No. 6.4Y 8.9 / 0.4)

External Dimensions
Inches……...10-3/16 h x 33-1/8 w x 33-1/8 d
mm……....258 h x 840 w x 840 d

Grille (PLP-40BAU):
Inches……....1-3/8 h x 37-7/16 w x 37-7/16 d
mm…….....35 h x 950 w x 950 d

Net Weight
Unit…….....49 lbs. / 22 kg
Grille…….....13 lbs. / 6 kg

Coil Type…….....Cross Fin
(Aluminum Plate Fin and Copper Tube)

Fan
Type x Quantity…….....Turbo Fan x 1
Airflow Rate
(Low - Mid 1 - Mid 2 - High)……...388 - 424 - 459 - 494 cfm
Motor
Type……DC Motor
Output…….....0.050 kW

Standard Air Filter…….....Polypropylene Honeycomb

Refrigerant Piping Dimensions
R410A or R22
Liquid (High Pressure)……..1/4" / 6.35 mm Flare
Gas (Low Pressure)……..1/2" / 12.7 mm Flare

Drainpipe Dimension……...O.D. 1-1/4" / 32 mm

Sound Level
(Low - Mid 1 - Mid 2 - High)……..27 - 28 - 29 - 31 dB(A)

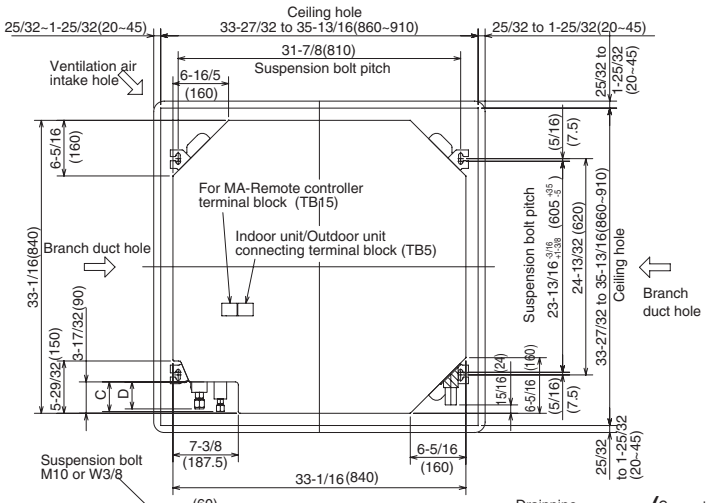
Notes:

R410A

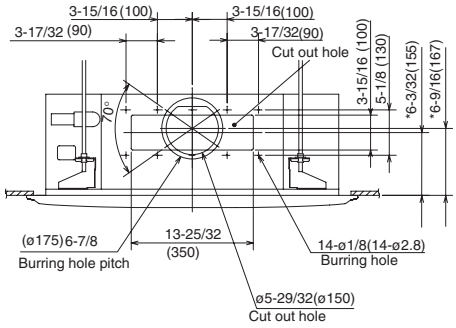
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Model: PLFY-P12NBMU-E – DIMENSIONS

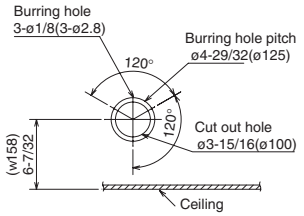
Unit : inch(mm)

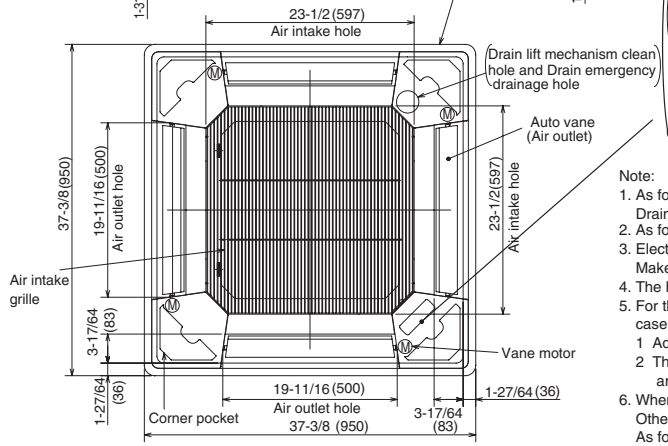


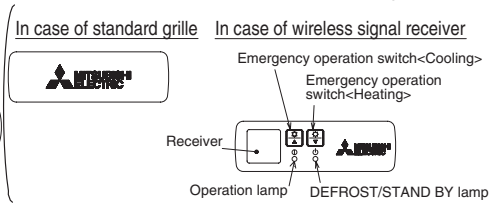
Detail connecting of branch duct



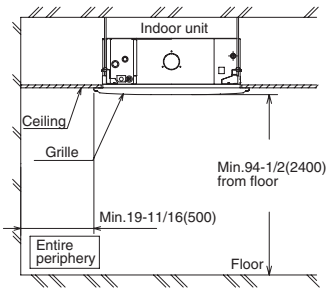
Detail drawing of ventilation air intake hole







Note:
1. As for drainpipe, please use O.D. 1-1/4(32) PVC TUBE.
   Drain lift mechanism is included.
2. As for suspension bolt, please use M10 or 3/8. (Procured at local site)
3. Electrical box may be removed for the service purpose.
   Make sure to slack the electrical wire little bit for control/power wires connection.
4. The height of the indoor unit is able to be adjusted with the grille attached.
5. For the installation of the optional high efficiency filter or optional multi-functional casement.
   1 Add 5-5/16"(135mm) to the dimensions marked with an * on the figures.
   2 The optional high efficiency filter becomes optional multi-functional casement and concomitant use.
6. When installing the branch ducts, be sure to insulate adequately.
   Otherwise condensation and dripping may occur.
   As for necessary installation / service space, please refer to the bottom, left figure.



Models	1	2	A	B	C	D
PLFY-P12NBMU-E PLFY-P15NBMU-E	Refrigerant pipe ···ø6.35 Flared connection ···1/4"	Refrigerant pipe ···ø12.7 Flared connection ···1/2"	9-1/2 (241)	10-3/16 (258)	3-5/32 (80)	2-29/32 (74)
PLFY-P18NBMU-E	Refrigerant pipe ø6.35 / ø9.52 Flared connection 1/4" / 3/8" (compatible)	Refrigerant pipe ø12.7 / ø15.88 Flared connection 1/2" / 5/8" (compatible)				
PLFY-P24NBMU-E PLFY-P30NBMU-E	Refrigerant pipe ···ø9.52	Refrigerant pipe ···ø15.88 Flared connection ···5/8"				
PLFY-P36NBMU-E	Flared connection ···3/8"	Refrigerant pipe ø15.88 / ø19.05 Flared connection 5/8" / 3/4" (compatible)	11-1/16 (281)	11-3/4 (298)	3-11/32 (85)	3-1/32 (77)

FORM# PLFY-P12NBMU-E - 201302

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