CITYMULTI®

PLFY-EP48NEMU-ER1
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 either PAR-40MAAU controller

Specifications			System
Unit Type			PLFY-EP48NEMU-ER1
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:
[1]Cooling / Heating capacity indicated at the maximum value at operation under the following conditions:
Cooling | Indoor: 80° F (26.7° C) DB / 67° F (19.4° C) WB; Outdoor 95° F (35° C) DB
Heating | Indoor: 70° F (21.1° C) DB; Outdoor 47° F (8.3° C) DB / 43° F (6.1° C) WB

Specifications are subject to change without notice.

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INDOOR UNIT ACCESSORIES: PLFY-EP48NEMU-ER1

Control Interface	BACnet® and Modbus® Interface	☐ PAC-UKPRC001-CN-1
	CN24 Relay Kit	☐ CN24RELAY-KIT-CM3
	IT Extender	☐ PAC-WHS01IE-E
	kumo station® for kumo cloud®	☐ PAC-WHS01HC-E
	Thermostat Interface	☐ PAC-US444CN-1
	Thermostat Interface	☐ PAC-US445CN-1
Remote Sensor	Flush Mount Remote Temperature Sensor	☐ PAC-USSEN002-FM-1
	Flush Mount Temperature Sensor	☐ PAC-USSEN001-FM-1
Terminal Signal Adapter	Terminal Signal Adapter	☐ PAC-IT51AD-E
	Terminal Signal Adapter	☐ PAC-IT52AD-E
Wired Remote Controller	Deluxe Wired MA Remote Controller†	☐ PAR-40MAAU
	Simple MA Remote Controller†	☐ PAC-YT53CRAU-J
	Smart ME Remote Controller - Backlit touchscreen	☐ PAR-U01MEDU-K
	Touch MA Controller†	☐ PAR-CT01MAU-SB
Wireless Remote Controller	kumo touch™ RedLINK™ Wireless Controller	☐ MHK2
	Wireless MA Receiver	☐ PAR-FA32MA-W
	Wireless MA Remote Controller	☐ PAR-FL32MA-E
	Wireless Remote Contoller	☐ PAR-SL101A-E
	Wireless Signal Receiver Panel	☐ PAR-SR4LU-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
Shutter Plate	Shutter Plate	☐ PAC-SJ37SP-E

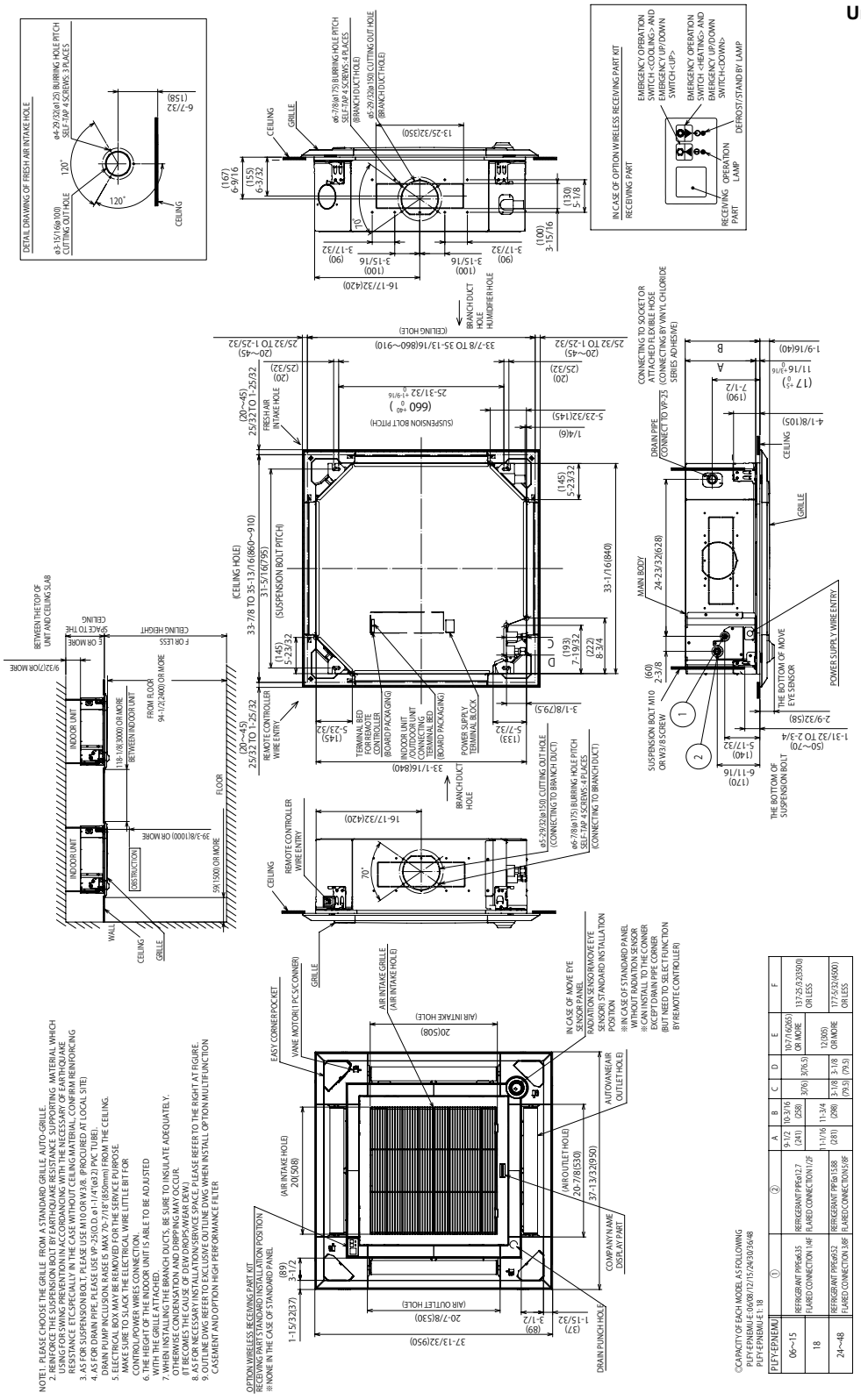
NOTES:
**High efficiency filter requires use of multi-function casement: PAC-SJ41TM-E

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INDOOR UNIT DIMENSIONS: PLFY-EP48NEMU-ER1

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 IS USED FOR CEILING AND OTHER MATERIAL ACCORDING TO THE BUILDING STANDARD EARTHQUAKE 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. ø 1-1/4"(ø32) PVC TUBE).
DRAIN PUMP INCLUSION, RAISE IS MAX 70-7/8"(850mm) FROM THE CEILING.
5. ELECTRICAL BOX MAY BE REMOVED FOR THE SERVICE PURPOSE.
MAKE SURE TO SLACK THE ELECTRICAL WIRE LITTLE BIT FOR
CONTROLLER WITH 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. AS FOR ELECTRICAL WIRING, FIXING AND CONNECTING, SEE ⑤. 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

PLFY-EP(NEMU)	①	②	A	B	C	D	E	F
06~15	REFRIGERANT PIPE ø6.35	REFRIGERANT PIPE ø12.7	9-1/2 (241)	10-3/16 (258)	3(76)	3(76.5)	10-7/16(265) OR MORE	137.25.8/325(00) OR LESS
18	FLARED CONNECTION 1/4F	FLARED CONNECTION 1/2F	11-1/16 (281)	11-3/4 (298)	3-1/8 (79.5)	3-1/8 (79.5)	12(305) OR MORE	177.5/5(24(600) OR LESS
24~48	REFRIGERANT PIPE ø9.52	REFRIGERANT PIPE ø15.88						
	FLARED CONNECTION 3/8F	FLARED CONNECTION 5/8F						

※CAPACITY OF EACH MODEL AS FOLLOWING
PLFY-EP06NEMU-ER1, PLFY-EP08NEMU-ER1, PLFY-EP12NEMU-ER1, PLFY-EP15NEMU-ER1, PLFY-EP18NEMU-ER1, PLFY-EP24NEMU-ER1, PLFY-EP30NEMU-ER1, PLFY-EP36NEMU-ER1, PLFY-EP48NEMU-ER1

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FORM# PLFY-EP48NEMU-ER1 - 202211

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