CITY MULTI

Model: PEFY-P72NMHU-E-OA

Job Name:

Schedule Reference:

Date:

FEATURES

- Low weight and low-profile design
- Wide range of external static pressure settings
- Quiet operation
- Choice of fan speed settings
- Built-in condensate pump
- IT Terminal plug

CONTROLLER

☐ Remote (PAR-30MAOA-J)

Power source			1-phase 208/230V 60Hz
	Cooling capacity *1	BTU/h	72,000
	*1	kW	21.1
*2	Power input	kW	0.22
(208V) *2	Current input	A	1.86
Temp. range of cooling			17.2°CD.B. ~ 47.7°CD.B. (63°FD.B. ~ 118°FD.B.)
			Thermo-off (FAN-mode) automatically starts if the outdoor temperature is lower than 63°F (17.2°C)D.B.
	Heating capacity *3	BTU/h	43,000
	*3	kW	12.6
*2	Power input	kW	0.24
(208V) *2	Current input	A	1.7
MCA (208V/230V) (*)		A	4.8 / 4.3
Temp. range of heating			-10°CD.B. ~ 15°CD.B. (14°FD.B. ~ 59°FD.B.)
			Thermo-off (FAN-mode) automatically starts if the outdoor temperature is higher than 59°F (15.0°C)D.B.
External finish			Galvanized
External dimension H x W x D		inch	18-9/16 x 49-1/4 x 44-1/8
		mm	470 x 1,250 x 1,120
Net weight		lbs (kg)	177 (80)
Heat exchanger			Cross fin (Aluminium fin and copper tube)
FAN	Type x Quantity		Sirocco fan x 2
*4, 5	External static press.	in.WG (Pa)	<0.60> - 0.80 - <1.00> (<150> - 200 - <250>)
	Motor Type		DC motor
	Motor output	kW	0.375
	Driving mechanism		Direct-driven by motor
*5	Air flow rate		(Low-Mid-High)
		cfm (m3/min)	700 - 800 - 900 (19.8 - 22.7 - 25.5)
*6	Air flow rate (Very low)	cfm (m3/min)	700 (19.8)
Sound pressure level (measured in anechoic room)			(Low-Mid-High)
		dB <A>	34-38-42
Air filter			Field supply
Diameter of	Liquid (R410A)	inch (mm)	3/8 (9.52)Brazed
refrigerant pipe	Gas (R41	inch (mm)	3/4 (19.05)Brazed
Field drain pipe size		inch (mm)	O.D.1-1/4 (32) x2

Notes:

1. Cooling capacity indicates the maximum value at operation under the following condition.
   Cooling: Indoor 91°F (32.7°C)DB/82°F (27.8°C)WB, Outdoor 91°F (32.7°C)DB.
   The set temperature of the remote controller is 63°F (17.2°C).
2. The values are measured at the factory setting of external static pressure.
3. Heating capacity indicates the maximum value at operation under the following condition.
   Heating: Indoor 32°F (0°C)DB/27°F (-2.9°C)WB, Outdoor 32°F (0°C)DB/27°F (-2.9°C)WB.
   The set temperature of the remote controller is 77°F (25°C).
4. The factory setting of external static pressure is shown without < >.
   Refer to "Fan characteristics curves", according to the external static pressure, in DATA BOOK for the usable range of air flow rate.
5. If the airflow rate is over the usable range, dew drop can be caused from the air outlet and the air flow rate is changed automatically because of the output down by the fan motor control. If the air flow rate is less than the usable range, condensation from the unit surface can be caused.
6. The very low mode is not selectable from the remote controller. The unit will automatically operate in the very low mode when the outside temperature exceeds 109°F (42.8°C) in the Cooling mode or drops below 14°F (-10°C) in the Heating mode.

- The combination of fresh air intake type indoor units with other types of indoor units that handle internal thermal load may cause the conflict of operation mode. It is not recommended when fresh air intake type indoor unit is connected to the Y or WY series.
- Depending on the air conditioning load, outside temperature, and due to the activation of protection functions, the desired preset temperature may not always be achieved and the discharge temperature may swing. Note that untreated outside air may be delivered directly into the room upon the activation of protection functions.
- Fresh air intake type indoor units cannot be connected to PUMY and cannot be connected to an outdoor unit together with PWFY series.
- The maximum connectable indoor units to 1 outdoor unit are 110% (100% in case of heating below 23°F (-5°C)).
- When fresh air intake type indoor units connect to an outdoor unit together with other types of indoor unit, the total capacity of fresh air intake type indoor units needs to be 30% or less of the connected outdoor unit capacity.
- The AUTO mode on the local remote controller is available only when fresh air intake type indoor unit is connected to the R2 or WR2 series of outdoor unit.
- The system changeover function is available only when all the connected indoor units are fresh air intake type indoor units.
- The fan temporary stops during defrost.
- The cooling and heating capacities are the maximum capacities that were obtained by operating in the above air conditions and with a refrigerant pipe of about 25 ft (7.5 m) and a level difference of 0 m.
- The actual capacity characteristics vary with the combination of indoor and outdoor units. See the technical information in DATA BOOK for the details.
- Thermo off (Fan) operation automatically starts either when temperature is lower than 63°F (17.2°C)DB in cooling mode or when the temperature exceeds 59°F (15.0°C)DB in heating mode.
- Dry mode is not available.
- Un-conditioned outdoor air such as humid air or cold air blows to the indoor during thermo off operation.
- Air filter shall be installed in the air intake side. The filter should be attached where easy maintenance is possible in case of usage of field supply filters.
- Before switching ducts by using a damper, be sure to bring the indoor unit to a stop to prevent malfunction.

Make sure to set the static pressure in all ducts within the range specified in the P-Q line diagram in the DATA BOOK.

- This indoor unit does not interlock with an electric heater.

See Fan characterics curves in DATA BOOK for the details.

Note: Ventilation air to be introduced independent of or in series with VRF indoor units. Please refer to local codes for the required ventilation rates specific to the application.

Specifications are subject to change without notice.

Note: Mitsubishi Electric (MESCA) supports the use of only MESCA supplied and approved accessories for proper functioning of the unit(s). Use of non-MESCA supported accessories will affect warranty coverage.

* All electrical work shall comply with National (CEC) and local codes and regulations.

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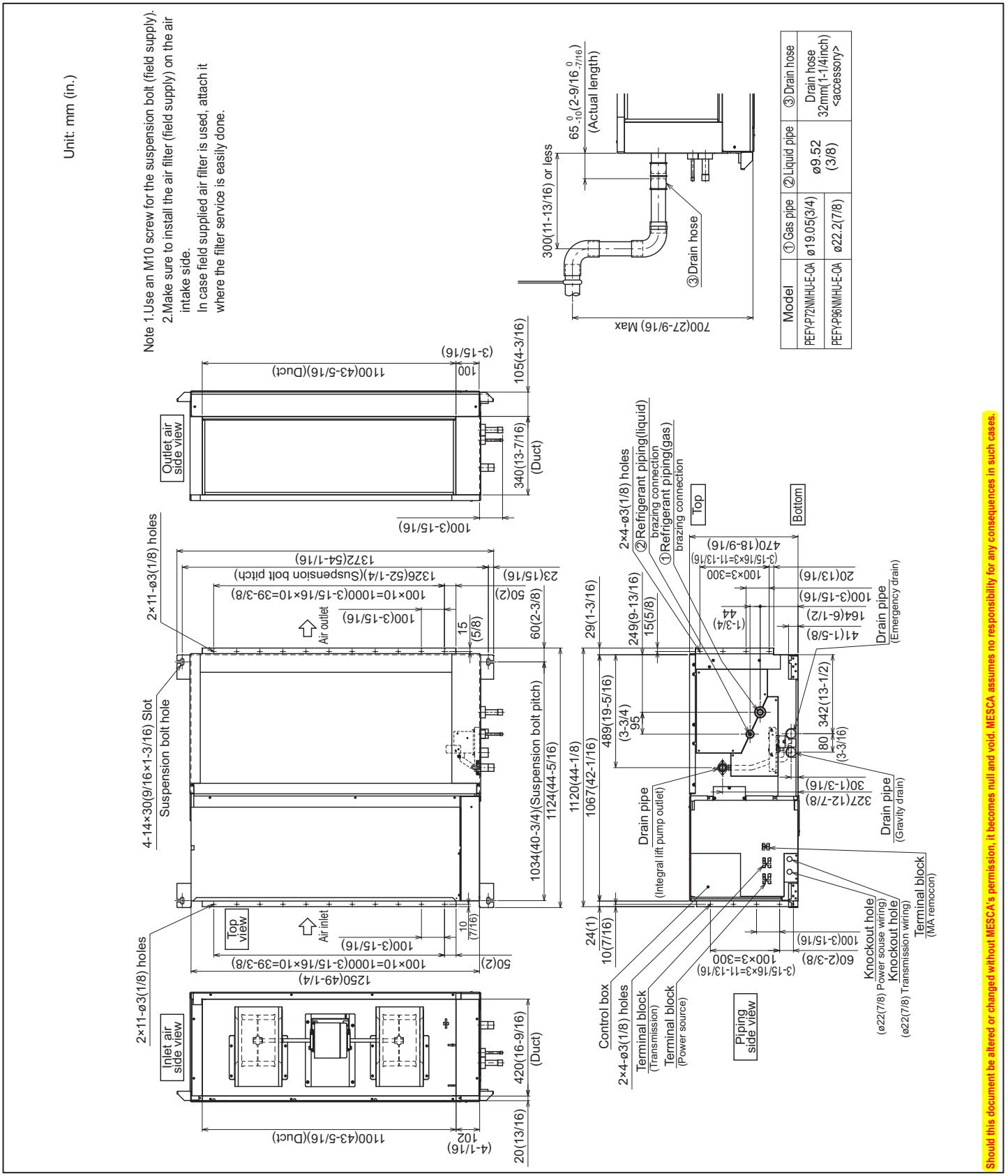
Module: PEFY-P72NMHU-E-OA - DIMENSIONS



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