

Job Name:

Schedule Reference:

Date:

**UNIT OPTION**

Standard Model ..... PUHY-EP360TSNU-A1

Seacoast (BS) Model ..... PUHY-EP360TSNU-A1-BS

Minimum Operating Temperature  
Heating (Outdoor): -25°F (-32°C) WB

Below -22°F (-30°C) WB, an auxiliary heating source is highly recommended.

**ACCESSORIES**

Snow/Wind Guards - (See separate submittal)

Panel Heater - (PAC-PH02EHYU-E) (x3)

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

| Outdoor Model                                    |               |                |            | PUHY-EP360TSNU-A1 (-BS)             |            |        |  |
|--------------------------------------------------|---------------|----------------|------------|-------------------------------------|------------|--------|--|
| Indoor Model                                     |               |                |            | Non-Ducted                          |            | Ducted |  |
| Power source                                     |               |                |            | 3-phase 3-wire 208-230 V ±10% 60 Hz |            |        |  |
| Cooling capacity *1<br>(Nominal)                 |               |                | BTU/h      | 360,000                             |            |        |  |
|                                                  |               |                | kW         | 105.5                               |            |        |  |
| (208-230)                                        | Power input   | kW             | 28.67      |                                     |            |        |  |
|                                                  | Current input | A              | 88.4-79.9  |                                     |            |        |  |
| (Rated)                                          |               | BTU/h          | 344,000    |                                     |            |        |  |
|                                                  |               | kW             | 100.8      |                                     |            |        |  |
| (208-230)                                        | Power input   | kW             | 34.73      |                                     | 32.89      |        |  |
|                                                  | Current input | A              | 107.1-96.8 |                                     | 101.4-91.7 |        |  |
| Temp. range of<br>cooling                        |               | Indoor         | W.B.       | 59~75°F (15~24°C)                   |            |        |  |
|                                                  |               | Outdoor        | D.B.       | 23~126°F (-5~52°C)                  |            |        |  |
| Heating capacity *2<br>(Nominal)                 |               |                | BTU/h      | 405,000                             |            |        |  |
|                                                  |               |                | kW         | 118.7                               |            |        |  |
| (208-230)                                        | Power input   | kW             | 32.65      |                                     |            |        |  |
|                                                  | Current input | A              | 100.6-91.0 |                                     |            |        |  |
| (Rated)                                          |               | BTU/h          | 386,000    |                                     |            |        |  |
|                                                  |               | kW             | 113.1      |                                     |            |        |  |
| (208-230)                                        | Power input   | kW             | 30.33      |                                     | 29.59      |        |  |
|                                                  | Current input | A              | 93.5-84.5  |                                     | 91.2-82.5  |        |  |
| Temp. range of<br>heating                        |               | Indoor         | D.B.       | 59~81°F (15~27°C)                   |            |        |  |
|                                                  |               | Outdoor        | W.B.       | -13~60°F (-25~15.5°C)               |            |        |  |
| Indoor unit<br>connectable                       |               | Total capacity |            | 50~130% of outdoor unit capacity    |            |        |  |
|                                                  |               | Model/Quantity |            | P04~P96/2~50                        |            |        |  |
|                                                  |               |                |            |                                     |            |        |  |
| Sound power level (measured in anechoic room) *3 |               |                | dB <A>     | 84.5/86.0                           |            |        |  |
| Refrigerant                                      |               | Liquid pipe    | in. (mm)   | 3/4 (19.05) Brazed                  |            |        |  |
| piping diameter                                  |               | Gas pipe       | in. (mm)   | 1-5/8 (41.28) Brazed                |            |        |  |

**Set Model**

| Model                                 |                              | PUHY-EP120TNU-A1 (-BS)                                                                                              | PUHY-EP120TNU-A1 (-BS)                                                                              | PUHY-EP120TNU-A1 (-BS)                                                                              |
|---------------------------------------|------------------------------|---------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|
| Minimum Circuit Ampacity (*)          |                              | A 55-49                                                                                                             | 55-49                                                                                               | 55-49                                                                                               |
| Maximum Overcurrent Protection (*)    |                              | A 90-80                                                                                                             | 90-80                                                                                               | 90-80                                                                                               |
| FAN                                   | Type x Quantity              | Propeller fan x 2                                                                                                   |                                                                                                     |                                                                                                     |
|                                       | Airflow rate                 | cfm 7,750                                                                                                           | 7,750                                                                                               | 7,750                                                                                               |
|                                       |                              | m3/min 220                                                                                                          | 220                                                                                                 | 220                                                                                                 |
|                                       | Control, Driving mechanism   | Inverter-control, Brushless DC motor                                                                                |                                                                                                     |                                                                                                     |
|                                       | Motor output                 | kW 0.46+0.46                                                                                                        | 0.46+0.46                                                                                           | 0.46+0.46                                                                                           |
|                                       | *4 External static press.    | 0 in.WG (0 Pa)                                                                                                      |                                                                                                     |                                                                                                     |
| Compressor                            | Type x Quantity              | Inverter scroll hermetic compressor x 1                                                                             |                                                                                                     |                                                                                                     |
|                                       | Starting method              | Inverter                                                                                                            |                                                                                                     |                                                                                                     |
|                                       | Motor output                 | kW 7.4 x 1                                                                                                          | 7.4 x 1                                                                                             | 7.4 x 1                                                                                             |
|                                       | Case heater                  | kW 0.045                                                                                                            | 0.045                                                                                               | 0.045                                                                                               |
|                                       | Lubricant                    | MEL32                                                                                                               |                                                                                                     |                                                                                                     |
| External finish                       |                              | Pre-coated galvanized steel sheet (+powder coating for -BS type)<br><MUNSELL 3Y 7.8/1.1 or similar>                 | Pre-coated galvanized steel sheet (+powder coating for -BS type)<br><MUNSELL 3Y 7.8/1.1 or similar> | Pre-coated galvanized steel sheet (+powder coating for -BS type)<br><MUNSELL 3Y 7.8/1.1 or similar> |
| External dimension H x W x D          |                              | in. 71-5/8 x 48-7/8 x 29-3/16<br>mm 1,818 x 1,240 x 740                                                             | 71-5/8 x 48-7/8 x 29-3/16<br>1,818 x 1,240 x 740                                                    | 71-5/8 x 48-7/8 x 29-3/16<br>1,818 x 1,240 x 740                                                    |
| Protection devices                    | High pressure protection     | High pressure sensor, High pressure switch at 4.15 MPa (601 psi)                                                    |                                                                                                     |                                                                                                     |
|                                       | Inverter circuit (COMP./FAN) | Over-current protection                                                                                             |                                                                                                     |                                                                                                     |
|                                       | Fan motor                    | -                                                                                                                   |                                                                                                     |                                                                                                     |
| Refrigerant                           | Type x original charge       | R410A x 21 lbs + 9 oz (9.8 kg)                                                                                      | R410A x 21 lbs + 9 oz (9.8 kg)                                                                      | R410A x 21 lbs + 9 oz (9.8 kg)                                                                      |
|                                       | Control                      | LEV and HIC circuit                                                                                                 |                                                                                                     |                                                                                                     |
| Net weight                            |                              | lbs (kg) 633 (287)                                                                                                  | 633 (287)                                                                                           | 633 (287)                                                                                           |
| Heat exchanger                        |                              | Salt-resistant cross fin & aluminium tube                                                                           |                                                                                                     |                                                                                                     |
| HIC circuit (HIC: Heat Inter-Changer) |                              | Copper pipe, tube-in-tube structure                                                                                 |                                                                                                     |                                                                                                     |
| Pipe between unit and distributor     | Liquid pipe                  | in. (mm) 1/2 (12.7) Braze                                                                                           | 1/2 (12.7) Braze                                                                                    | 1/2 (12.7) Braze                                                                                    |
|                                       | Gas pipe                     | in. (mm) 1-1/8 (28.58) Braze                                                                                        | 1-1/8 (28.58) Braze                                                                                 | 1-1/8 (28.58) Braze                                                                                 |
| Defrosting method                     |                              | Auto-defrost mode (Reversed refrigerant cycle)                                                                      |                                                                                                     |                                                                                                     |
| Optional parts                        |                              | Outdoor Twinning kit: CMY-Y300CBK2<br>Joint: CMY-Y102SS/102LS-G2, CMY-Y202S/302S-G2<br>Header: CMY-Y104/108/1010C-G |                                                                                                     |                                                                                                     |

Notes:

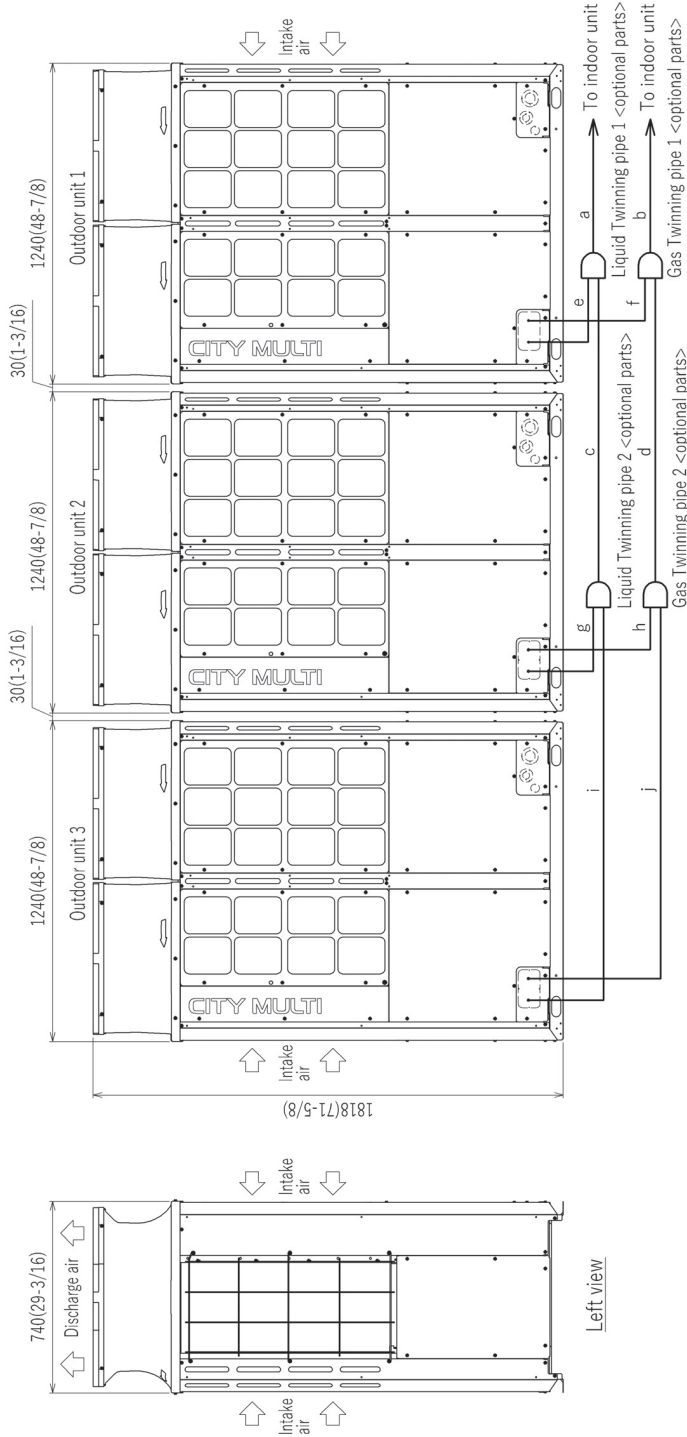
- Cooling conditions (Test conditions are based on AHRI 1230)  
Indoor: 80°F D.B./67°F W.B. (26.7°C D.B./19.4°C W.B.), Outdoor: 95°F D.B. (35°C D.B.)
- Heating conditions (Test conditions are based on AHRI 1230)  
Indoor: 70°F D.B. (21.1°C D.B.), Outdoor: 47°F D.B./43°F W.B. (8.3°C D.B./6.1°C W.B.)
- Cooling mode/Heating mode
- External static pressure option is available (0.12 in. WG, 0.24 in. WG, 0.32 in. WG/30 Pa, 60 Pa, 80 Pa).

Specifications are subject to change without notice.

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

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# Module: PUHY-EP360TSNU-A1(-BS) - DIMENSIONS



Twinning pipe connection size

| Package unit name                    | (E)P336T/YSNU | (E)P360T/YSNU | (E)P384T/YSNU | (E)P408T/YSNU | (E)P432T/YSNU |
|--------------------------------------|---------------|---------------|---------------|---------------|---------------|
| Outdoor unit 1                       | (E)P120T/YNU  | (E)P120T/YNU  | (E)P144T/YNU  | (E)P144T/YNU  | (E)P144T/YNU  |
| Outdoor unit 2                       | (E)P120T/YNU  | (E)P120T/YNU  | (E)P120T/YNU  | (E)P120T/YNU  | (E)P120T/YNU  |
| Outdoor unit 3                       | (E)P120T/YNU  | (E)P120T/YNU  | (E)P120T/YNU  | (E)P120T/YNU  | (E)P120T/YNU  |
| Outdoor Twinning Kit(optional parts) | CMY-Y300CBK2  | CMY-Y300CBK2  | CMY-Y300CBK2  | CMY-Y300CBK2  | CMY-Y300CBK2  |
| Indoor unit                          |               |               |               |               |               |
| ~ Twinning pipe 1                    | Liquid        | a             | b             | c             | d             |
| ~ Twinning pipe 2                    | Gas           | e             | f             | g             | h             |
| ~ Twinning pipe 1                    | Liquid        | i             | j             |               |               |
| ~ Twinning pipe 2                    | Gas           |               |               |               |               |
| ~ Outdoor unit 1                     | Liquid        |               |               |               |               |
| ~ Outdoor unit 2                     | Liquid        |               |               |               |               |
| ~ Outdoor unit 3                     | Liquid        |               |               |               |               |

Note 1. Connect the pipes as shown in the figure above. Refer to the table above for the pipe size.

Note 2. Twinning pipes must be installed horizontally using a level vessel.

Note 3. Be sure to see the Installation Manual for details of Twinning pipe installation.

Note 4. The pipe section before the Twinning pipe (section "a", "b", "c" and "d" in the figure) must have at least 500mm(19-11/16) of straight section

(\* including the straight pipe that is supplied with the Twinning pipe).

4. Only use the Twinning pipe by Mitsubishi (optional parts).

Unit: mm (in.)

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# Module: PUHY-EP120TNU-A1(-BS) - DIMENSIONS

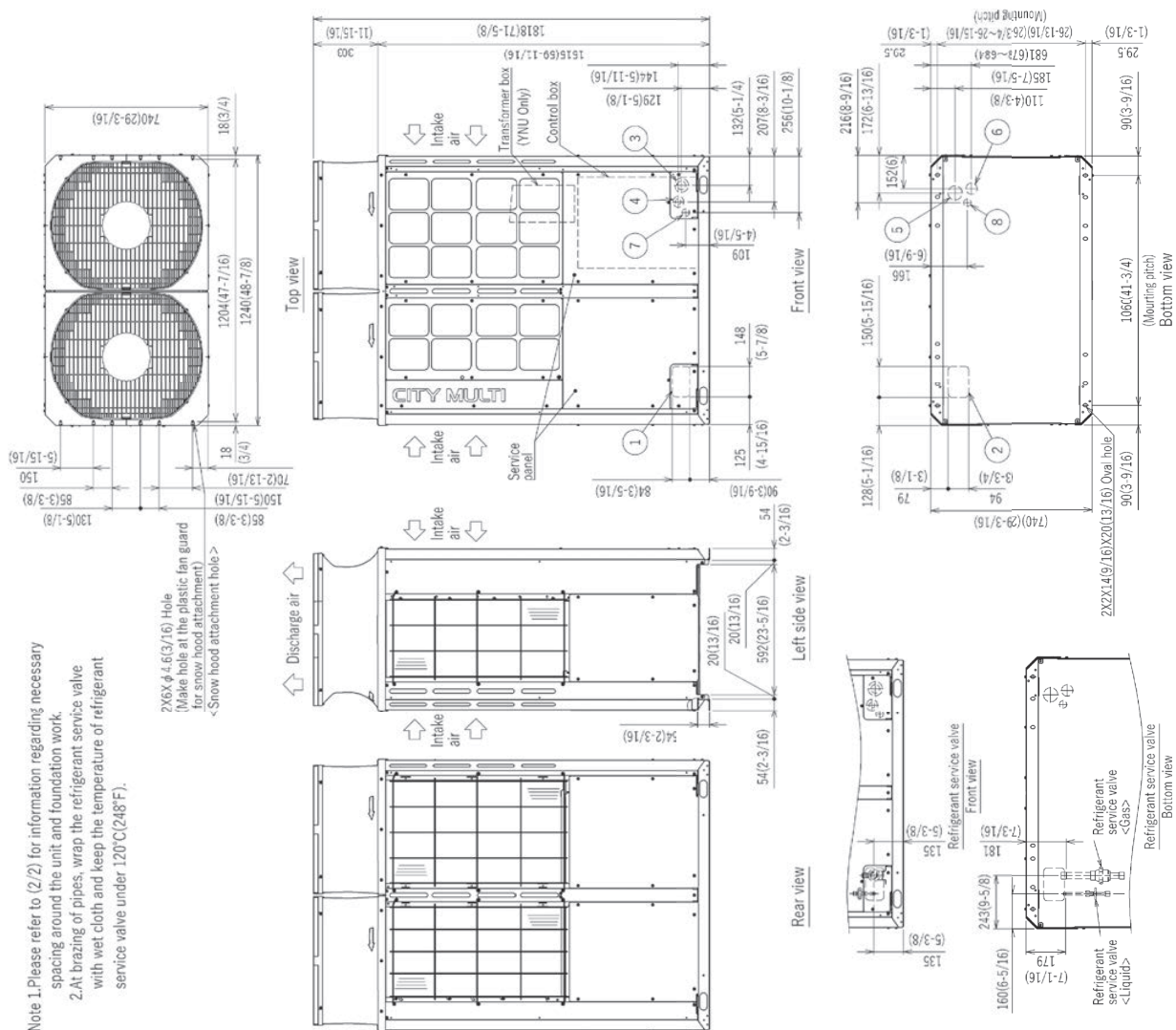
Unit: mm (in.)

Connecting pipe specifications

| Model   | Diameter            |               |               |               |
|---------|---------------------|---------------|---------------|---------------|
|         | Refrigerant pipe *1 |               | Service valve |               |
|         | Liquid              | Gas           | Liquid        | Gas           |
| (E)P96  | φ52(3/8)            | φ22(7/8)      | Brazed        | φ12.7(1/2)    |
| (E)P96  | φ12.7(1/2)          | φ22(7/8)      | Brazed        | φ28.58(1-1/8) |
| (E)P120 | φ52(3/8)            | φ28.58(1-1/8) | Brazed        | φ12.7(1/2)    |
| (E)P120 | φ12.7(1/2)          | φ28.58(1-1/8) | Brazed        | φ28.58(1-1/8) |
| (E)P144 | φ12.7(1/2)          | φ28.58(1-1/8) | Brazed        | φ12.7(1/2)    |
| (E)P144 | φ12.7(1/2)          | φ28.58(1-1/8) | Brazed        | φ28.58(1-1/8) |

- \*1 Connect the refrigerant pipe to the service valve according to the Installation Manual.
- \*2 Indicates dimensions and connection specifications in the case the unit is used in combination with other outdoor units.
- \*3 Furthest piping length (OU from IU) ≈ 90m (295ft)
- \*4 Furthest piping length (OU from IU) ≈ 40m (131ft)

| No. | Usage                   | Specifications                                            |
|-----|-------------------------|-----------------------------------------------------------|
| ①   | For pipes               | Front through hole 148(5-7/8) X 84(3-1/5)                 |
| ②   | For pipes               | Bottom through hole 150(5-15/16) X 94(3-3/4)              |
| ③   | For pipes               | Front through hole 162(7-1/2) or 164(5-1/4) Knockout hole |
| ④   | For pipes               | Front through hole 143(7-1/4) or 145(7-1/4) Knockout hole |
| ⑤   | For pipes               | Bottom through hole 165(2-9/16) Knockout hole             |
| ⑥   | For pipes               | Bottom through hole 145(2-1/16) Knockout hole             |
| ⑦   | For transmission cables | Front through hole 134(1-3/8) Knockout hole               |
| ⑧   | For transmission cables | Bottom through hole 134(1-3/8) Knockout hole              |



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