

Job Name:

Schedule Reference:

Date:

**UNIT OPTION**

Standard Model ..... PURY-P336TSNU-A

Seacoast (BS) Model ..... PURY-P336TSNU-A-BS

**Minimum Operating Temperature**

Heating (Outdoor): -25°F (-32°C) WB

Below -22°F (-30°C) WB,

an auxiliary heating source is highly recommended.

System requires firmware Ver. 26.35 or later.

**ACCESSORIES**

Snow/Wind Guards - (See separate submittal)

Panel Heater - (PAC-PH03EHYU-E(1)) (x2)

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                                    |                |               | PURY-P336TSNU-A (-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         | 336,000                             |            |
|                                                  |                | kW            | 98.5                                |            |
|                                                  |                | Power input   | 33.76                               |            |
|                                                  | (208-230)      | Current input | 104.1-94.1                          |            |
|                                                  |                | BTU/h         | 320,000                             |            |
|                                                  |                | kW            | 93.8                                |            |
|                                                  | (208-230)      | Power input   | 33.80                               | 34.53      |
|                                                  |                | Current input | 104.2-94.2                          | 106.4-96.3 |
|                                                  |                | BTU/h         | 378,000                             |            |
|                                                  |                | kW            | 110.8                               |            |
| Heating capacity *2<br>(Nominal)                 |                | BTU/h         | 378,000                             |            |
|                                                  |                | kW            | 110.8                               |            |
|                                                  |                | Power input   | 33.66                               |            |
|                                                  | (208-230)      | Current input | 103.8-93.8                          |            |
|                                                  |                | BTU/h         | 360,000                             |            |
|                                                  |                | kW            | 105.5                               |            |
|                                                  | (208-230)      | Power input   | 31.30                               | 30.34      |
|                                                  |                | Current input | 96.5-87.2                           | 93.5-84.6  |
|                                                  |                | BTU/h         | 378,000                             |            |
|                                                  |                | kW            | 110.8                               |            |
| Temp. range of cooling                           | Indoor         | W.B.          | 59~75°F (15~24°C)                   |            |
|                                                  | Outdoor        | D.B.          | 23~126°F (-5~52°C)                  |            |
| Temp. range of heating *3                        | Indoor         | D.B.          | 59~81°F (15~27°C)                   |            |
|                                                  | Outdoor        | W.B.          | -13~60°F (-25~15.5°C)               |            |
| Indoor unit connectable                          | Total capacity |               | 50~150% of outdoor unit capacity    |            |
|                                                  | Model/Quantity |               | P04~P96/2~50                        |            |
| Sound power level (measured in anechoic room) *4 |                |               | dB <A>                              |            |
| Refrigerant                                      |                |               | 1-1/8 (28.58) Braze                 |            |
| Piping diameter                                  |                |               | 1-5/8 (41.28) Braze                 |            |

**Set Model**

| Model                                |                                                                   |          | PURY-P168TNU-A (-BS)                                                                 | PURY-P168TNU-A (-BS)                                                                 |
|--------------------------------------|-------------------------------------------------------------------|----------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| Minimum Circuit Ampacity (*)         |                                                                   | A        | 66-64                                                                                | 66-64                                                                                |
| Maximum Overcurrent Protection (*)   |                                                                   | A        | 110-100                                                                              | 110-100                                                                              |
| FAN                                  | Type x Quantity                                                   |          | Propeller fan x 2                                                                    | Propeller fan x 2                                                                    |
|                                      | Airflow rate                                                      | cfm      | 14,850                                                                               | 14,850                                                                               |
|                                      |                                                                   | m3/min   | 420                                                                                  | 420                                                                                  |
|                                      | Control, Driving mechanism                                        |          | Inverter-control, Brushless DC motor                                                 | Inverter-control, Brushless DC motor                                                 |
|                                      | Motor output                                                      | kW       | 0.92+0.92                                                                            | 0.92+0.92                                                                            |
|                                      | *5 External static press.                                         |          | 0 in.WG (0 Pa)                                                                       | 0 in.WG (0 Pa)                                                                       |
| Compressor                           | Type x Quantity                                                   |          | Inverter scroll hermetic compressor x 1                                              | Inverter scroll hermetic compressor x 1                                              |
|                                      |                                                                   |          |                                                                                      |                                                                                      |
|                                      | Starting method                                                   |          | Inverter                                                                             | Inverter                                                                             |
|                                      | Motor output                                                      | kW       | 12.2                                                                                 | 12.2                                                                                 |
|                                      | Case heater                                                       | kW       |                                                                                      |                                                                                      |
|                                      | Lubricant                                                         |          | MEL32                                                                                | MEL32                                                                                |
| External finish                      |                                                                   |          | Pre-coated galvanized steel sheet (+powder coating for -BS type)<br><MUNSELL 5Y 8/1> | Pre-coated galvanized steel sheet (+powder coating for -BS type)<br><MUNSELL 5Y 8/1> |
| External dimension H x W x D         |                                                                   | in.      | 71-5/8 x 68-15/16 x 29-3/16                                                          | 71-5/8 x 68-15/16 x 29-3/16                                                          |
|                                      |                                                                   | mm       | 1,818 x 1,750 x 740                                                                  | 1,818 x 1,750 x 740                                                                  |
| Protection devices                   | High pressure protection                                          |          | High pressure sensor, High pressure switch at 4.15 MPa (601 psi)                     | High pressure sensor, High pressure switch at 4.15 MPa (601 psi)                     |
|                                      | Inverter circuit (COMP./FAN)                                      |          | Over-heat protection, Over-current protection                                        | Over-heat protection, Over-current protection                                        |
|                                      | Fan motor                                                         |          | -                                                                                    |                                                                                      |
| Refrigerant                          | Type x original charge                                            |          | R410A x 23 lbs + 12 oz (10.8 kg)                                                     | R410A x 23 lbs + 12 oz (10.8 kg)                                                     |
|                                      | Control                                                           |          | Indoor LEV and BC controller                                                         |                                                                                      |
| Net weight                           |                                                                   | lbs (kg) | 739 (335)                                                                            | 739 (335)                                                                            |
| Heat exchanger                       |                                                                   |          | Salt-resistant cross fin & copper tube                                               | Salt-resistant cross fin & copper tube                                               |
| HIC circuit (HIC: Heat Inter-Change) |                                                                   |          | -                                                                                    |                                                                                      |
| Pipe between unit and distributor    | High pressure                                                     | in. (mm) | 7/8 (22.2) Brazed                                                                    | 7/8 (22.2) Brazed                                                                    |
|                                      | Low pressure                                                      | in. (mm) | 1-1/8 (28.58) Brazed                                                                 | 1-1/8 (28.58) Brazed                                                                 |
| Optional parts                       | Outdoor Twinning kit: CMY-R300NCBK                                |          |                                                                                      |                                                                                      |
|                                      | Joint: CMY-Y102SS-G2, CMY-Y102LS-G2, CMY-Y202S-G2, CMY-R160-J1    |          |                                                                                      |                                                                                      |
|                                      | CMY-R201, 202, 203, 204, 205, 306S-G, CMY-R302, 303, 304, 305S-G1 |          |                                                                                      |                                                                                      |
|                                      | Main BC controller: CMB-P108, 1012, 1016NU-JA1, CMB-P1016NU-KA1   |          |                                                                                      |                                                                                      |
|                                      | Sub BC controller: CMB-P104, 108NU-KB1                            |          |                                                                                      |                                                                                      |

Notes:

1. Nominal cooling conditions (Test conditions are based on AHRI 1230)  
Indoor: 80°F DB/67°F WB, 26.7°C DB/19.4°C WB, Outdoor: 95°F DB, (35°C DB)
2. Nominal heating conditions (Test conditions are based on AHRI 1230)  
Indoor: 70°F DB, (21.1°C DB), Outdoor: 47°F DB/43°F WB, (8.3°C DB/6.1°C WB)
3. When applying product below -4°F, consult your design engineer for cold climate application best practices, including the use of a backup source for heating.
4. Cooling mode heating mode
5. External static pressure option is available (0.12 in.WG, 0.24 in.WG, 0.32 in.WG/30 Pa, 60 Pa, 80 Pa).

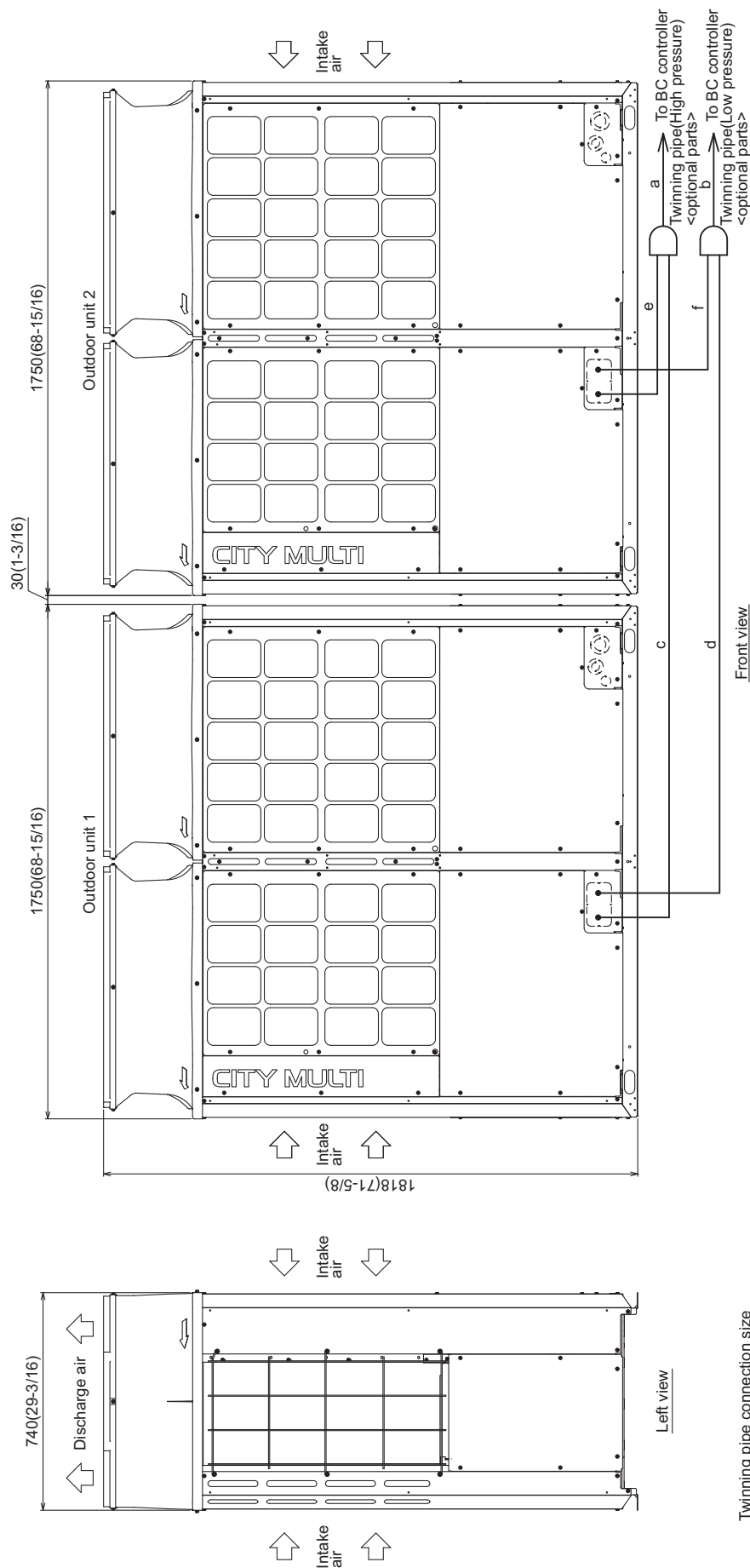
\* Due to continuing improvement, above specifications may be subject to change without notice.

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: PURY-P336TSNU-A(-BS) - DIMENSIONS



|                            | Unit model | High pressure | Low pressure  |
|----------------------------|------------|---------------|---------------|
|                            |            | c or e        | d or f        |
| Twinning nine-Outdoor unit | P168       | ø22 217/8)    | ø28 58/1-1/8) |

|                                      |                     |
|--------------------------------------|---------------------|
| Package unit name                    | PURY-P336TSNUA-(BS) |
| Component unit name                  | Outdoor unit 1      |
|                                      | PURY-P168TNUA-(BS)  |
|                                      | Outdoor unit 2      |
|                                      | PURY-P168TNUA-(BS)  |
| Outdoor Twinning Kit(optional parts) | CMY-P330NCBK        |
| BC controller                        | High pressure a     |
|                                      | ø28.58(1 -1/8)      |
| ~Twining pipe                        | Low pressure b      |
|                                      | ø41 28(1 -5/8)      |

### Twinning pipe connection size

Front view

Unit: mm (in.)

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

2. Twinning pipes should not be tilted more than 15 degrees from the horizontal plane.

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

3. The pipe section before the Twinning pipe (section "a" and "b" 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).

Specifications are subject to change without notice.

## Unit: mm (in.)

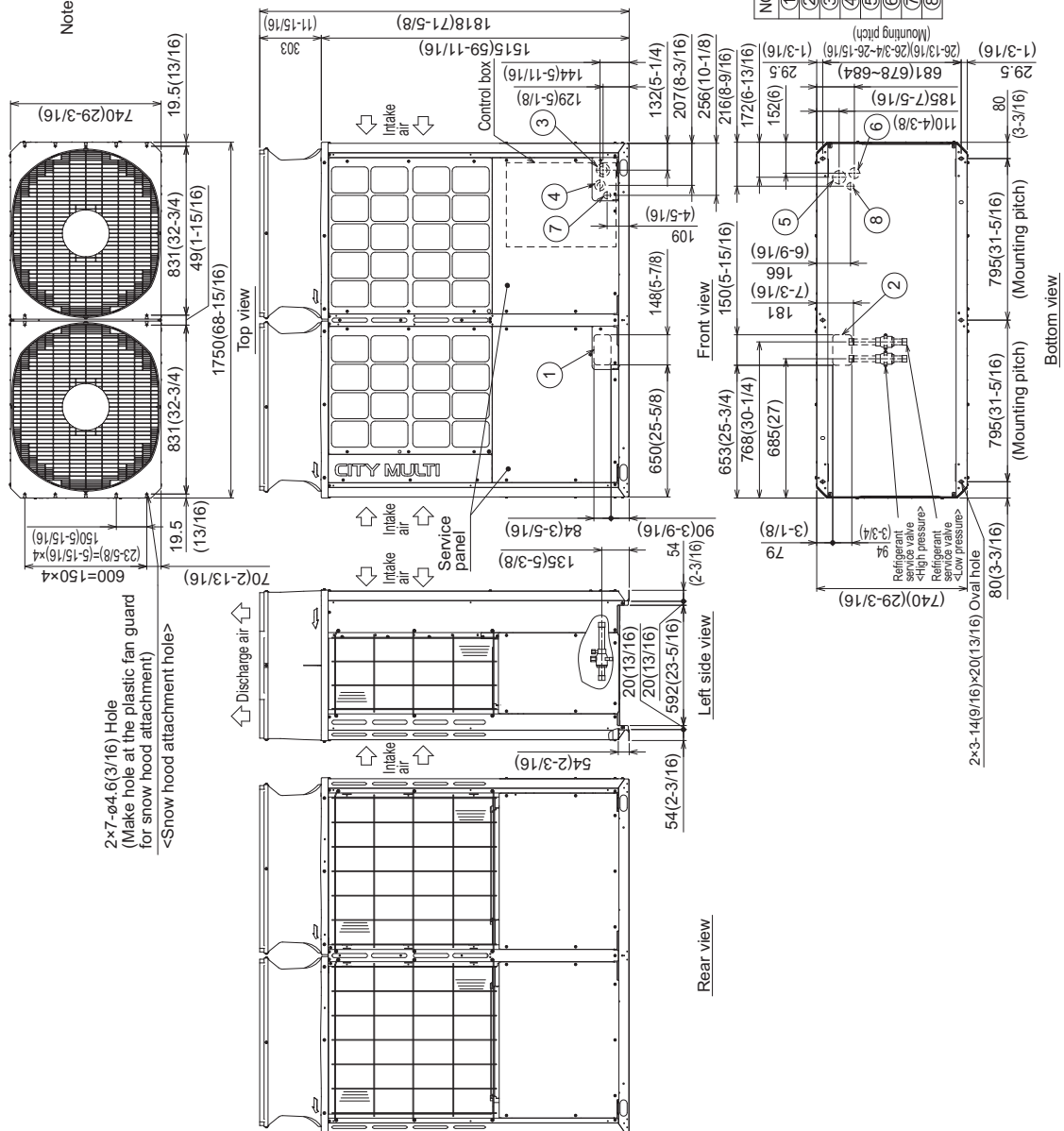
Note 1, Please refer to the next page for information regarding necessary spacing around the unit and foundation work.

2. At brazing of pipes, wrap the refrigerant service valve with wet cloth and keep the temperature of refrigerant service valve under 120°C (248°F).

## Connecting pipe specifications

| Model | Diameter          |                 |               |              |
|-------|-------------------|-----------------|---------------|--------------|
|       | Refrigerant pipe  |                 | Service valve |              |
|       | High pressure     | Low pressure    | High pressure | Low pressure |
| P168  | ø22.7(18) Braze * | ø28.5(18) Braze | ø28.5(18)     | ø28.5(18)    |

**\*1** Connect the refrigerant pipe to the service valve according to the Installation Manual.



| NO. | Usage                   | Specifications                                                 |
|-----|-------------------------|----------------------------------------------------------------|
| ①   | For pipes               | Front through hole<br>148(5-7/8) × 84(3-5/16) Knockout hole    |
| ②   |                         | Bottom through hole<br>150(5-15/16) × 94(3-3/4) Knockout hole  |
| ③   |                         | Front through hole<br>162(7-1/2) or ø34.5(1-3/8) Knockout hole |
| ④   | For wires               | Front through hole<br>ø43.7(1-3/4) or ø22.2(7/8) Knockout hole |
| ⑤   |                         | Bottom through hole<br>ø55(2-1/8) Knockout hole                |
| ⑥   |                         | Bottom through hole<br>ø52(2-1/8) Knockout hole                |
| ⑦   | For transmission cables | Front through hole<br>ø34(1-3/8) Knockout hole                 |
| ⑧   |                         | Bottom through hole<br>ø41(1-3/8) Knockout hole                |

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