

Job Name:

Schedule Reference:

Date:

**UNIT OPTION**

Standard Model ..... PURY-EP192TNU-A

Seacoast (BS) Model ..... PURY-EP192TNU-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 CM\_PAB\_100\_20\_006)

Panel Heater - (PAC-PH03EHYU-E1) (x1)

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.

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. Cooling mode/Heating mode
4. The sound power level measured by the conventional method in JIS for reference purpose.
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).

Specifications are subject to change without notice.

| Outdoor Model                                    |  |                                                                                                                                                                                                                  | PURY-EP192TNU-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                                                                                                                                                                                                            | 192,000                                                                                 |                                                                  |                            |  |
|                                                  |  | kW                                                                                                                                                                                                               | 56.3                                                                                    |                                                                  |                            |  |
|                                                  |  | (208-230)                                                                                                                                                                                                        | Power input                                                                             | 15.65                                                            |                            |  |
|                                                  |  |                                                                                                                                                                                                                  | Current input                                                                           | 48.2-43.6                                                        |                            |  |
|                                                  |  | (Rated)                                                                                                                                                                                                          | BTU/h                                                                                   | 184,000                                                          |                            |  |
|                                                  |  |                                                                                                                                                                                                                  | kW                                                                                      | 53.9                                                             |                            |  |
|                                                  |  | (208-230)                                                                                                                                                                                                        | Power input                                                                             | 17.55                                                            | 17.25                      |  |
|                                                  |  |                                                                                                                                                                                                                  | Current input                                                                           | 54.1-48.9                                                        | 53.2-48.1                  |  |
|                                                  |  | Temp. range of 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                                                                                                                                                                                                            | 215,000                                                                                 |                                                                  |                            |  |
|                                                  |  | kW                                                                                                                                                                                                               | 63                                                                                      |                                                                  |                            |  |
|                                                  |  | (208-230)                                                                                                                                                                                                        | Power input                                                                             | 17.54                                                            |                            |  |
|                                                  |  |                                                                                                                                                                                                                  | Current input                                                                           | 54.0-48.9                                                        |                            |  |
|                                                  |  | (Rated)                                                                                                                                                                                                          | BTU/h                                                                                   | 204,000                                                          |                            |  |
|                                                  |  |                                                                                                                                                                                                                  | kW                                                                                      | 59.8                                                             |                            |  |
|                                                  |  | (208-230)                                                                                                                                                                                                        | Power input                                                                             | 15.37                                                            | 16.34                      |  |
|                                                  |  |                                                                                                                                                                                                                  | Current input                                                                           | 47.4-42.8                                                        | 50.3-45.5                  |  |
|                                                  |  | Temp. range of heating                                                                                                                                                                                           |                                                                                         | 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~P96/1~48                                                                            |                                                                  |                            |  |
|                                                  |  |                                                                                                                                                                                                                  |                                                                                         |                                                                  |                            |  |
| Sound power level (measured in anechoic room) *3 |  | dB <A>                                                                                                                                                                                                           | 83.5/85.0                                                                               |                                                                  |                            |  |
| Refrigerant                                      |  | High pressure                                                                                                                                                                                                    | in. (mm) 7/8 (22.2) Brazed                                                              |                                                                  |                            |  |
| piping diameter                                  |  | Low pressure                                                                                                                                                                                                     | in. (mm) 1-1/8 (28.58) Brazed                                                           |                                                                  |                            |  |
| Minimum Circuit Ampacity (*)                     |  | A                                                                                                                                                                                                                | 80-75                                                                                   |                                                                  |                            |  |
| Maximum Overcurrent Protection (*)               |  | A                                                                                                                                                                                                                | 125-125                                                                                 |                                                                  |                            |  |
| FAN                                              |  | Type x Quantity                                                                                                                                                                                                  |                                                                                         | Propeller fan x 2                                                |                            |  |
|                                                  |  | Airflow rate                                                                                                                                                                                                     |                                                                                         | cfm                                                              | 13,050                     |  |
|                                                  |  |                                                                                                                                                                                                                  |                                                                                         | m3/min                                                           | 370                        |  |
|                                                  |  | Control, Driving mechanism                                                                                                                                                                                       |                                                                                         | Inverter-control, Brushless DC motor                             |                            |  |
|                                                  |  | Motor output                                                                                                                                                                                                     |                                                                                         | kW                                                               | 0.92±0.92                  |  |
|                                                  |  | *5 External static press.                                                                                                                                                                                        |                                                                                         | 0 in.WG (0 Pa)                                                   |                            |  |
| Compressor                                       |  | Type x Quantity                                                                                                                                                                                                  |                                                                                         | Inverter scroll hermetic compressor x 1                          |                            |  |
|                                                  |  | Starting method                                                                                                                                                                                                  |                                                                                         | Inverter                                                         |                            |  |
|                                                  |  | Motor output                                                                                                                                                                                                     | kW                                                                                      | 13.2                                                             |                            |  |
|                                                  |  | Case heater                                                                                                                                                                                                      | kW                                                                                      | -                                                                |                            |  |
|                                                  |  | Lubricant                                                                                                                                                                                                        |                                                                                         | MEL32                                                            |                            |  |
| External finish                                  |  |                                                                                                                                                                                                                  | Pre-coated galvanized steel sheet<br>(+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                                                             |                                                                  |                            |  |
|                                                  |  | mm                                                                                                                                                                                                               | 1,818 x 1,750 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 26 lbs + 1 oz (11.8 kg)                                  |                            |  |
|                                                  |  | Control                                                                                                                                                                                                          |                                                                                         | Indoor LEV and BC controller                                     |                            |  |
| Net weight                                       |  | lbs (kg)                                                                                                                                                                                                         | 887 (402)                                                                               |                                                                  |                            |  |
| Heat exchanger                                   |  |                                                                                                                                                                                                                  | Salt-resistant cross fin & aluminium tube                                               |                                                                  |                            |  |
| HIC circuit (HIC: Heat Inter-Changer)            |  |                                                                                                                                                                                                                  | -                                                                                       |                                                                  |                            |  |
| Defrosting method                                |  |                                                                                                                                                                                                                  | Auto-defrost mode (Reversed refrigerant cycle)                                          |                                                                  |                            |  |
| Optional parts                                   |  | Joint: CMY-Y102SS-G2,CMY-Y102LS-G2,CMY-R160-J1,<br>CMY-R201,202,203,204,306S-G,CMY-R302,303,304,305S-G1<br>Main BC controller: CMB-P108,1012,1016NU-JA1,CMB-P1016NU-KA1<br>Sub BC controller: CMB-P104,108NU-KB1 |                                                                                         |                                                                  |                            |  |

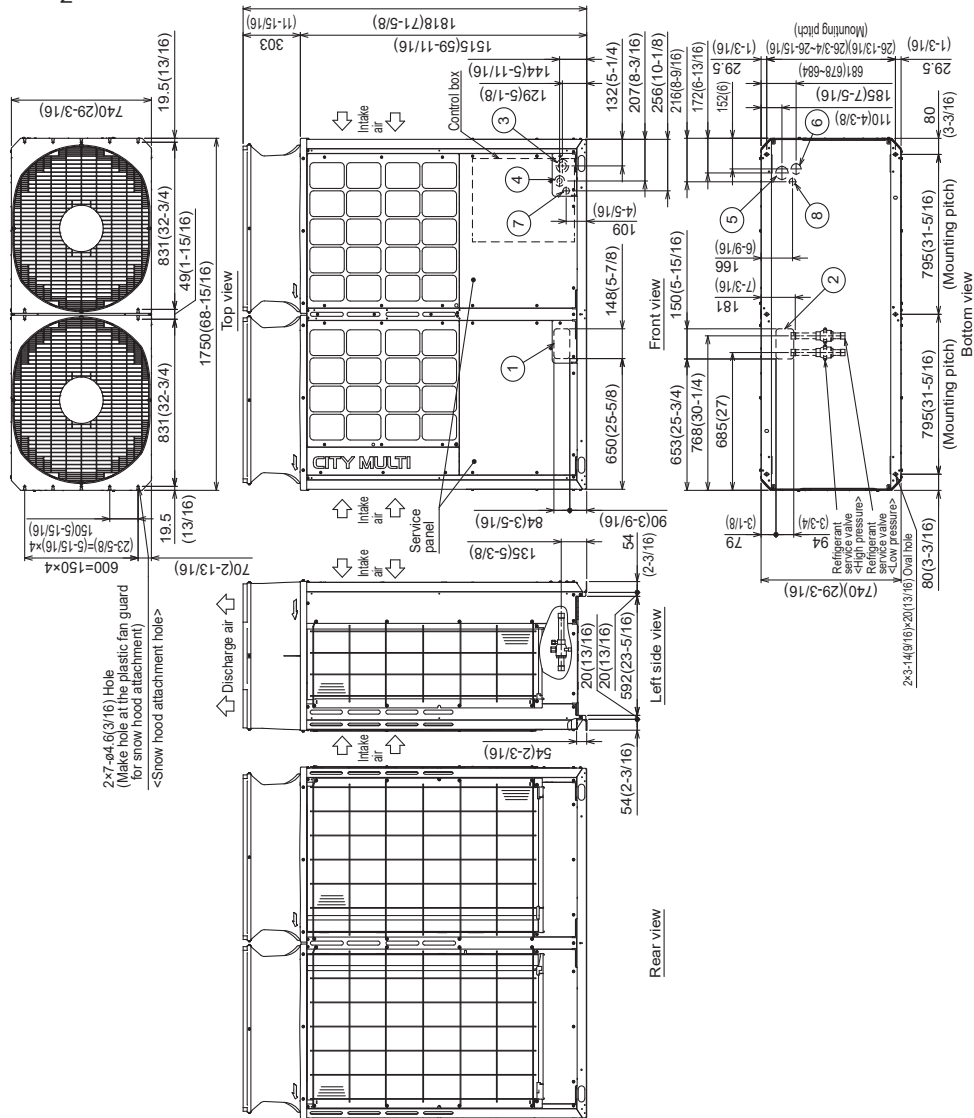
\* All electrical work shall comply with National (CEC) and local codes and regulations.

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# Module: PURY-EP192TNU-A(-BS) - DIMENSIONS

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 |
| EP192 | ø22.7(8)         | ø28.5(1.1)   | ø28.5(1.1)    | ø28.5(1.1)   |
| EP216 | ø22.7(8)         | ø28.5(1.1)   | ø28.5(1.1)    | ø28.5(1.1)   |
| EP240 | ø22.7(8)         | ø28.5(1.1)   | ø28.5(1.1)    | ø28.5(1.1)   |

\*1 Connect the refrigerant pipe to the service valve according to the Installation Manual.  
\*2 When the piping length is 65m (213ft) or longer, use the ø28.58 (1-1/8) pipe for the part that exceeds 65m (213ft).

| NO. | Usage               | Specifications                             |
|-----|---------------------|--------------------------------------------|
| ①   | Front through hole  | 148(5-7/8) × 84(3-5/16) Knockout hole      |
| ②   | Bottom through hole | 150(5-15/16) × 84(3-5/16) Knockout hole    |
| ③   | Front through hole  | ø43.7(1-3/4) or ø43.5(1-3/8) Knockout hole |
| ④   | Bottom through hole | ø43.7(1-3/4) or ø43.5(1-3/8) Knockout hole |
| ⑤   | Front through hole  | ø65(2-9/16) Knockout hole                  |
| ⑥   | Bottom through hole | ø65(2-9/16) Knockout hole                  |
| ⑦   | Front through hole  | ø34(1-3/8) Knockout hole                   |
| ⑧   | Bottom through hole | ø34(1-3/8) Knockout hole                   |

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