

# SUBMITTAL DATA SHEET

**breeze33**

Series Name: Premier Series  
Model Number: BZ33-HYP486Z2-454-G3-P

## Multi Zone Heat Pump System

|               |               |
|---------------|---------------|
| Location:     | Approval:     |
| Engineer:     | Date:         |
| Submitted to: | Construction: |
| Submitted by: | Unit #:       |
| Reference:    | Drawing #:    |



## OUTDOOR SPECIFICATIONS

|                                     |                                       |
|-------------------------------------|---------------------------------------|
| <b>Compressor Type</b>              | TWIN-ROTARY                           |
| <b>Compressor Model</b>             | EKPQ440D1UMUB                         |
| <b>Refrigerant</b>                  | R454B                                 |
| <b>Refrigerant Oil Charge(mL)</b>   | 1300                                  |
| <b>Refrigerant Oil</b>              | VG75                                  |
| <b>Outdoor Air Flow (Max) (CFM)</b> | 4502.8                                |
| <b>Outdoor Noise Level (dBA)</b>    | 65                                    |
| <b>Dimension(WxDxH)</b>             | <b>inch</b> 37-1/2 x 16-5/16 x 52-1/2 |
|                                     | <b>mm</b> 952 x 415 x 1333            |
| <b>Package(WxDxH)</b>               | <b>inch</b> 43-1/8 x 19-1/2 x 58-1/4  |
|                                     | <b>mm</b> 1095 x 495 x 1480           |
| <b>Net/Gross Weight</b>             | <b>lbs</b> 246.47/276.68              |
|                                     | <b>kg</b> 111.8/125.5                 |

## ELECTRICAL

|                                         |                                        |
|-----------------------------------------|----------------------------------------|
| <b>Power Supply</b>                     | 208/230V, 60Hz, 1Ph                    |
| <b>System MCA</b>                       | 37                                     |
| <b>Connection Wiring</b>                | AWG 14-4                               |
| <b>System MOCP</b>                      | 40                                     |
| <b>Compressor RLA</b>                   | 27                                     |
| <b>Outdoor Fan Motor RLA</b>            | 2.5                                    |
| <b>Outdoor Fan Motor W</b>              | 85                                     |
| <b>Indoor Fan Motor RLA</b>             | /                                      |
| <b>Indoor Fan Motor W</b>               | /                                      |
| <b>System Power Input @ Cooling (W)</b> | 4020/(800 ~ 5700)                      |
| <b>System Power Input @ Heating (W)</b> | 4000/(800 ~ 5000)                      |
| <b>MCA: Min. circuit amps (A)</b>       | MOCP: Max. over current protection (A) |
| <b>RLA: Rated load amps (A)</b>         | W: Fan motor rated output (W)          |

## PIPING

|                                                                                    |                                    |
|------------------------------------------------------------------------------------|------------------------------------|
| <b>Liquid Size</b>                                                                 | 6x6.35mm(6x1/4in)                  |
| <b>Gas Size</b>                                                                    | 4x9.52mm+2x12.7mm(4x3/8in+2x1/2in) |
| <b>Max. Piping Length for all rooms(ft/m)</b>                                      | 262.4/(80)                         |
| <b>Max. Piping Length for one IDU(ft/m)</b>                                        | 114.8/(35)                         |
| <b>Max. Height Difference of IDU and ODU(ft/m)</b>                                 | 49.2/(15)                          |
| <b>Refrigerant Pre-charged Amount(oz/kg)</b>                                       | 151.68/(43)                        |
| <b>Refrigerant Precharge Length(ft/m)</b>                                          | 24.6(7.5)x6                        |
| <b>Additional Charge of Refrigerant (Ø6.35 (1/4") liquid pipe) ((oz/ft)/(g/m))</b> | 0.16/(15)                          |
| <b>Additional Charge of Refrigerant (Ø9.52 (3/8") liquid pipe) ((oz/ft)/(g/m))</b> | 0.32(30)                           |
| <b>Connection Method</b>                                                           | Flared                             |

## EFFICIENCY

| Cooling      |      | Heating        |      |
|--------------|------|----------------|------|
| <b>SEER2</b> | 20.4 | <b>HSPF2-4</b> | 11   |
| <b>EER2</b>  | 11.7 | <b>COP</b>     | 3.52 |

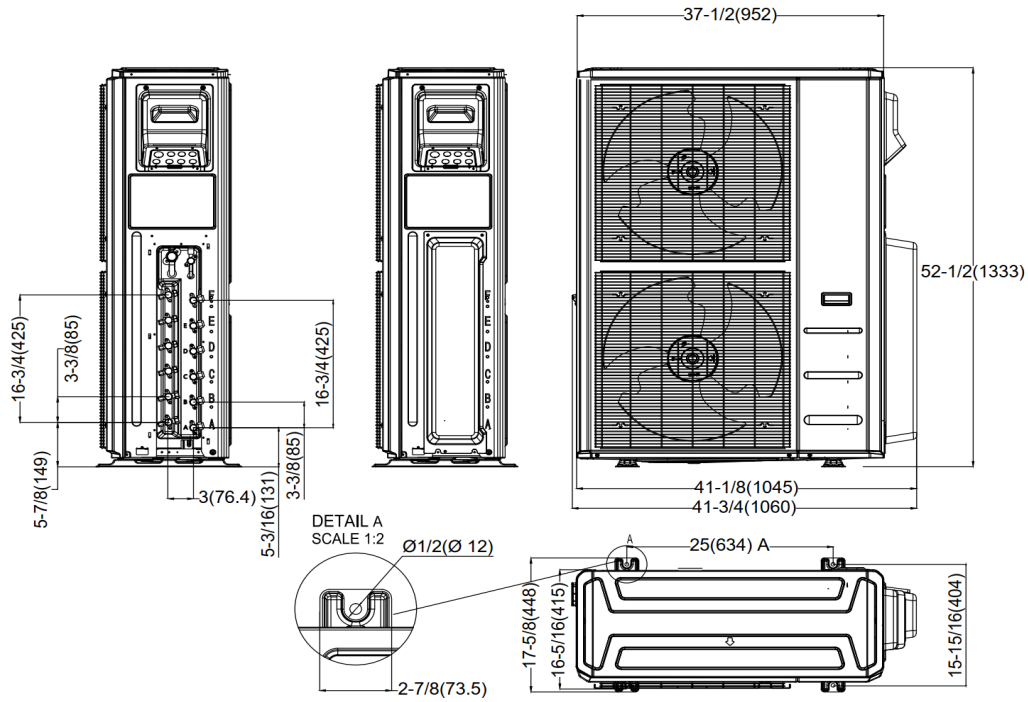
## PERFORMANCE of Cooling

| Cooling (Btu/hr)                       |                  |
|----------------------------------------|------------------|
| <b>Rated Capacity</b>                  | 47000            |
| <b>Min/Max Capacity</b>                | 12000~57000      |
| <b>Moisture Removal(L/h)</b>           | 2.6              |
| <b>Standard Operating Range(°F/°C)</b> | -22~122/(-30~50) |
| Rated Cooling Conditions:              |                  |
| Indoor: 80°F DB/67°F WB                |                  |
| Outdoor: 95°F DB/75°F WB               |                  |

## PERFORMANCE of Heating

| Heating (Btu/hr)                           |                 |
|--------------------------------------------|-----------------|
| <b>1. @ 47°F Rated</b>                     | 48000           |
| <b>1. @ 47°F Min/Max Capacity</b>          | 13000~60000     |
| <b>2. @ 17°F Rated(H32)</b>                | 44500           |
| <b>3. @ 5°F Rated: Capacity / COP(H42)</b> | 48000/2         |
| <b>3. @ 5°F Max: Capacity</b>              | 48000           |
| <b>Standard Operating Range(°F/°C)</b>     | -22~75/(-30~24) |
| 1. Conditions:                             |                 |
| Indoor: 70°F DB/60°F WB                    |                 |
| Outdoor: 47°F DB/43°F WB                   |                 |
| 2. Conditions:                             |                 |
| Indoor: 70°F DB/60°F WB                    |                 |
| Outdoor: 17°F DB/15°F WB                   |                 |
| 3. Conditions:                             |                 |
| Indoor: 70°F DB/60°F WB                    |                 |
| Outdoor: 5°F DB/5°F WB                     |                 |

# Outdoor Unit Dimension



# Installation Instruction

