

# SUBMITTAL DATA SHEET

breeze33

Series Name: Premier Series  
Model Number: BZ33-HYP36OUT2-454-G3-P/BZ33-CASS36-454-G3-P

## 4-Way Cassette Heat Pump System

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



## INDOOR SPECIFICATIONS

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| <b>Indoor Air Flow (Turbo/H/M/L/Si) (CFM)</b>    | 1041.8 / 947.6 / 853.5 / 753.4 / 659.2 |
| <b>Indoor Noise Level (Turbo/H/M/L/Si) (dBA)</b> | N/A/52.0/47.5/40.0/38.00               |
| <b>Dimension(WxDxH)</b>                          | inch 32-11/16 x 32-11/16 x 9-5/8       |
|                                                  | mm 830 x 830 x 245                     |
| <b>Package(WxDxH)</b>                            | inch 35-13/16 x 35-13/16 x 11-7/16     |
|                                                  | mm 830 x 830 x 245                     |
| <b>Net/Gross Weight</b>                          | lbs 59.30/71.43                        |
|                                                  | kg 26.9/32.4                           |

## OUTDOOR SPECIFICATIONS

|                                     |                                  |
|-------------------------------------|----------------------------------|
| <b>Compressor Type</b>              | TWIN-ROTARY                      |
| <b>Compressor Model</b>             | EKPQ420D1UMUA                    |
| <b>Refrigerant</b>                  | R454B                            |
| <b>Refrigerant Oil Charge(mL)</b>   | 1460ml                           |
| <b>Refrigerant Oil</b>              | VG75                             |
| <b>Outdoor Air Flow (Max) (CFM)</b> | 3001.9                           |
| <b>Outdoor Noise Level (dBA)</b>    | 64.5                             |
| <b>Dimension(WxDxH)</b>             | inch 38-9/16 x 16-5/16 x 38-3/8  |
|                                     | mm 980 x 415 x 975               |
| <b>Package(WxDxH)</b>               | inch 45-1/16 x 19-11/16 x 42-1/2 |
|                                     | mm 1145 x 500 x 1080             |
| <b>Net/Gross Weight</b>             | lbs 206.57/237.44                |
|                                     | kg 93.7/107.7                    |

## EFFICIENCY

| Cooling      |      | Heating        |      |
|--------------|------|----------------|------|
| <b>SEER2</b> | 21.2 | <b>HSPF2-4</b> | 10.6 |
| <b>EER2</b>  | 12.0 | <b>COP</b>     | 3.43 |

## PERFORMANCE of Cooling

| Cooling (Btu/hr)                       |                                                     |
|----------------------------------------|-----------------------------------------------------|
| <b>Rated Capacity</b>                  | 36600                                               |
| <b>Min/Max Capacity</b>                | 4900~38000                                          |
| <b>Moisture Removal(L/h)</b>           | 4.30                                                |
| <b>Standard Operating Range(°F/°C)</b> | -22~-122(-30~50)                                    |
| Conditions:                            | Indoor: 80°F DB/67°F WB<br>Outdoor: 95°F DB/75°F WB |

## PERFORMANCE of Heating

| Heating (Btu/hr)                       |                                                     |
|----------------------------------------|-----------------------------------------------------|
| <b>1. @ 47°F Rated</b>                 | 37000                                               |
| <b>1. @ 47°F Min/Max Capacity</b>      | 11400~44600                                         |
| <b>2. @ 17°F Rated</b>                 | 30600                                               |
| <b>3. @ 5°F Rated: Capacity / COP</b>  | 37000/1.95                                          |
| <b>3. @ 5°F Max: Capacity</b>          | 37000                                               |
| <b>Standard Operating Range(°F/°C)</b> | -22~-75(-30~24)                                     |
| 1. Conditions:                         | Indoor: 70°F DB/60°F WB<br>Outdoor: 47°F DB/43°F WB |
| 2. Conditions:                         | Indoor: 70°F DB/60°F WB<br>Outdoor: 17°F DB/15°F WB |
| 3. Conditions:                         | Indoor: 70°F DB/60°F WB<br>Outdoor: 5°F DB/5°F WB   |

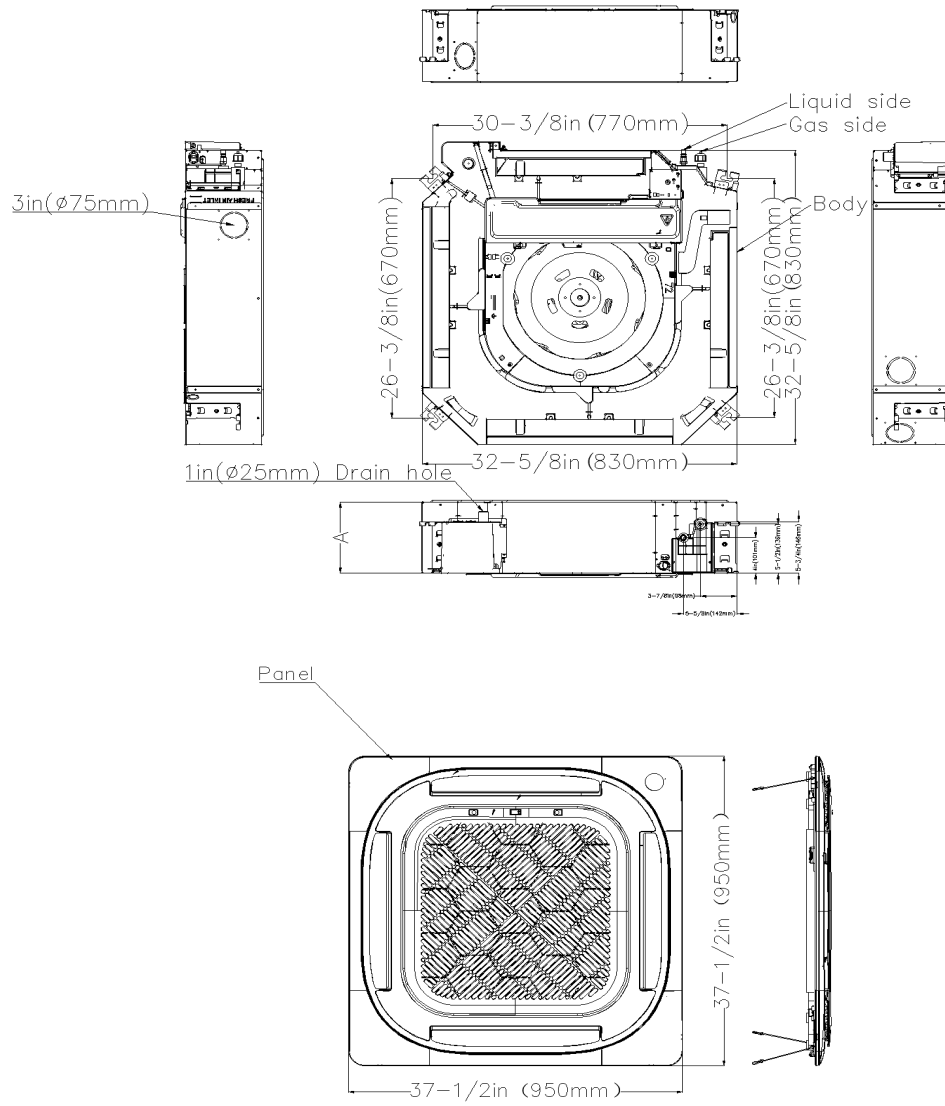
## ELECTRICAL

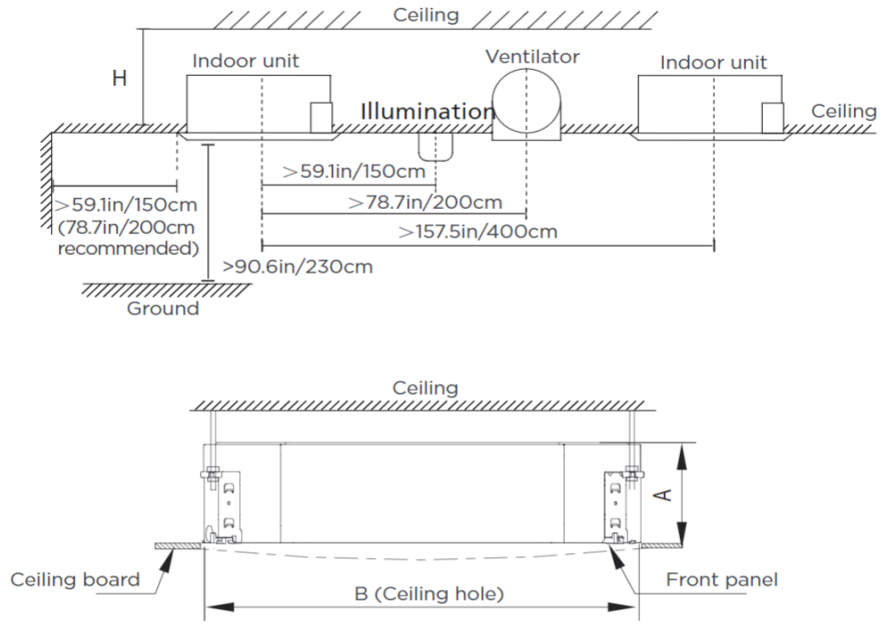
|                                         |                                        |
|-----------------------------------------|----------------------------------------|
| <b>Power Supply</b>                     | 208/230V,60Hz,1Ph                      |
| <b>System MCA</b>                       | 38.00                                  |
| <b>Connection Wiring</b>                | 14#x3                                  |
| <b>System MOC</b>                       | 40                                     |
| <b>Compressor RLA</b>                   | 24.5                                   |
| <b>Outdoor Fan Motor RLA</b>            | 2.1                                    |
| <b>Outdoor Fan Motor W</b>              | 250                                    |
| <b>Indoor Fan Motor RLA</b>             | 1.0                                    |
| <b>Indoor Fan Motor W</b>               | 125                                    |
| <b>System Power Input @ Cooling (W)</b> | 3042(580 ~ 3480)                       |
| <b>System Power Input @ Heating (W)</b> | 3161(740 ~4160)                        |
| <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>Throttle type(Indoor)</b>                         | N/A                |
| <b>Throttle type(Outdoor)</b>                        | EXV+Throttle valve |
| <b>Liquid Size</b>                                   | 9.52mm(3/8in)      |
| <b>Gas Size</b>                                      | 19mm(3/4in)        |
| <b>Max. Piping Length(ft/m)</b>                      | 246.00(75)         |
| <b>Max. Height Difference(ft/m)</b>                  | 98.40(30)          |
| <b>Max. Pre-charged Length(ft/m)</b>                 | 24.6(7.5)          |
| <b>Refrigerant Pre-charged Amount(oz/kg)</b>         | 126.99(3.60)       |
| <b>Additional Charge of Refrigerant(oz/ft)/(g/m)</b> | 0.32(30)           |
| <b>Connection Method</b>                             | Flared             |

# Indoor Unit Dimension

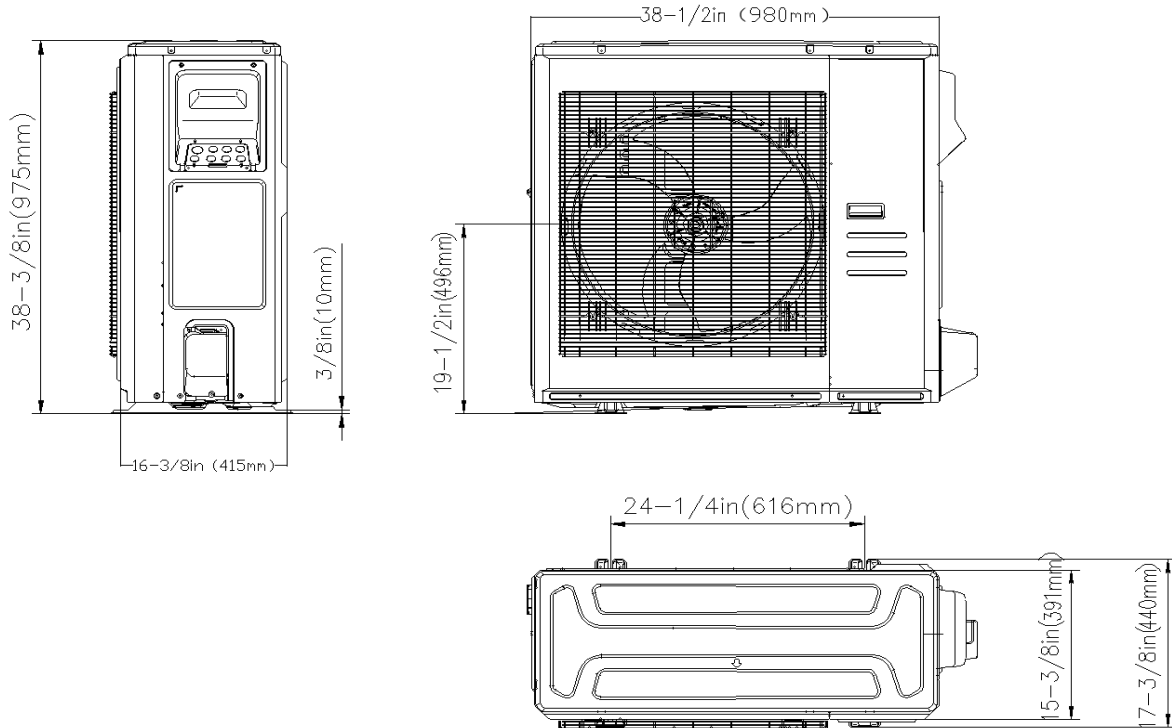


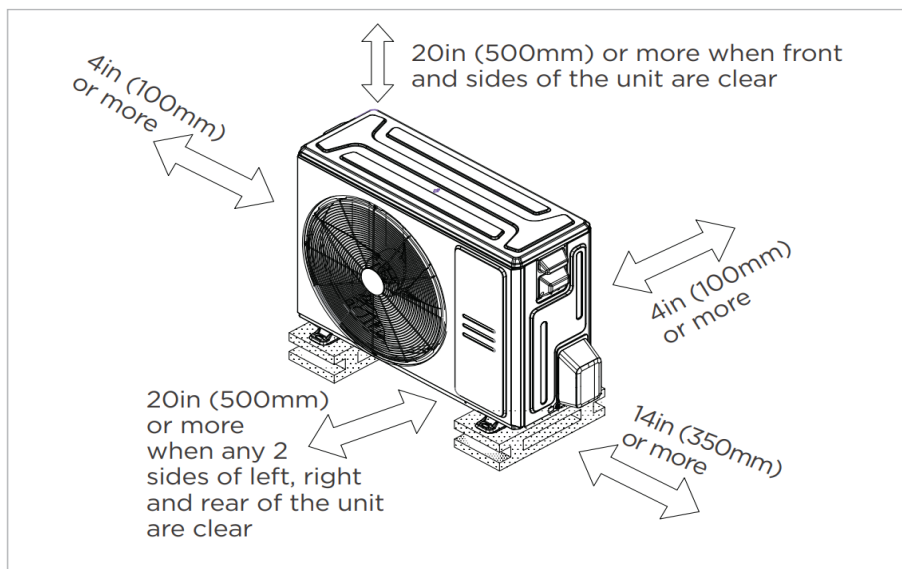


Distance from ceiling relative to height of indoor unit

| MODEL      | Length of A    | Length of H              | Length of B    |
|------------|----------------|--------------------------|----------------|
| 9K/12K/18K | 9.6in (245mm)  | $>10.8\text{in}$ (275mm) | 23.6in (600mm) |
| 24K        | 8.03in (205mm) | 9.06in (230mm)           | 35.4in (900mm) |
| 36K        | 9.65in (245mm) | 10.7in (271mm)           |                |
| 48K        | 11.3in (287mm) | 12.3in (313mm)           |                |

Outdoor Unit Dimension





Meets all spatial requirements shown in Installation Clearance Requirements above.

#### FEATURES

- 360° Air Flow
- Remote on-off and alarm ports
- Refrigerant leakage detection sensor(Optional)
- Humidity sensor
- Built-in pump
- 1~100% fan speed setting
- WiFi capability: through WiFi dongle or wired controller with built-in WiFi
- OTA(by using WiFi dongle)
- 2-pin connector(HA/HB) for programmable wired controller
- Multiple control options available:
  - Two way communication wired controller:120N(X6)
  - Two way communication wired controller with built-in WiFi:120N(X6W)
  - Infrared wired controller: 120L
  - Wireless remote controller
  - Third-Party 24V Thermostat\*

\*24V interface is required.