

# SUBMITTAL DATA SHEET

**breeze33**

Series Name: J Series

Model Number: BZ33-MS36B-454-G3-J/ BZ33-INV36OUT2-454-G3-J

## Air Handler Heat Pump System

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



## INDOOR SPECIFICATION

|                  |      |                          |
|------------------|------|--------------------------|
| Dimension(W×D×H) | inch | 17-1/2 x 21 x 23-1/2     |
|                  | mm   | 445 × 533 × 599          |
| Package(W×D×H)   | inch | 20-1/2 x 26-1/8 x 26-3/8 |
|                  | mm   | 520 × 665 × 670          |
| Net/Gross Weight | lbs  | 59.5 / 68                |
|                  | kg   | 27 / 30.9                |

## OUTDOOR SPECIFICATION

|                              |      |                             |
|------------------------------|------|-----------------------------|
| Compressor Type              |      | TWIN-ROTARY                 |
| Compressor Model             |      | EKPQ420D1UMUA               |
| Refrigerant                  |      | R454B                       |
| Refrigerant Oil Charge(mL)   |      | 1460                        |
| Refrigerant Oil              |      | VG75                        |
| Outdoor Air Flow (Max) (CFM) |      | 3,002                       |
| Outdoor Noise Level (dBA)    |      | 64                          |
| Dimension(W×D×H)             | inch | 38-9/16 x 16-3/8 x 38-3/8   |
|                              | mm   | 980 x 415 x 975             |
| Package(W×D×H)               | inch | 45-1/16 x 19-11/16 x 42-1/2 |
|                              | mm   | 1145 x 500 x 1080           |
| Net/Gross Weight             | lbs  | 204 / 235                   |
|                              | kg   | 92.6 / 106.7                |

## EFFICIENCY

| Cooling |      | Heating |     |
|---------|------|---------|-----|
| SEER2   | 15.8 | HSPF2-4 | 9.4 |
| EER2    | 10.7 | COP     | 3.3 |

## PERFORMANCE of Cooling

| Cooling (Btu/hr)                |                 |
|---------------------------------|-----------------|
| Rated Capacity                  | 36,000          |
| Min/Max Capacity                | 12,100~41,000   |
| Moisture Removal(L/h)           | 4.91            |
| Standard Operating Range(°F/°C) | -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)                  |                |
|-----------------------------------|----------------|
| 1. @ 47°F Rated                   | 38,000         |
| 1. @ 47°F Min/Max Capacity        | 11,500~46,000  |
| 2. @ 17°F Rated                   | 29,200         |
| 3. @ 5°F Rated: Capacity / COP    | 36,000/1.9     |
| 3. @ 5°F Max: Capacity            | 36,000         |
| Standard Operating Range(°F/°C)   | -22~75(-30~24) |
| 1. Rated Heating Conditions:      |                |
| Indoor: 70°F DB/60°F WB           |                |
| Outdoor: 47°F DB/43°F WB          |                |
| 2. Rated Heating Conditions:      |                |
| Indoor: 70°F DB/60°F WB           |                |
| Outdoor: 17°F DB/15°F WB          |                |
| 3. Heating Conditions, Compressor |                |
| Indoor: 70°F DB/60°F WB           |                |
| Operating at Max. Frequency       |                |
| Outdoor: 5°F DB/5°F WB            |                |

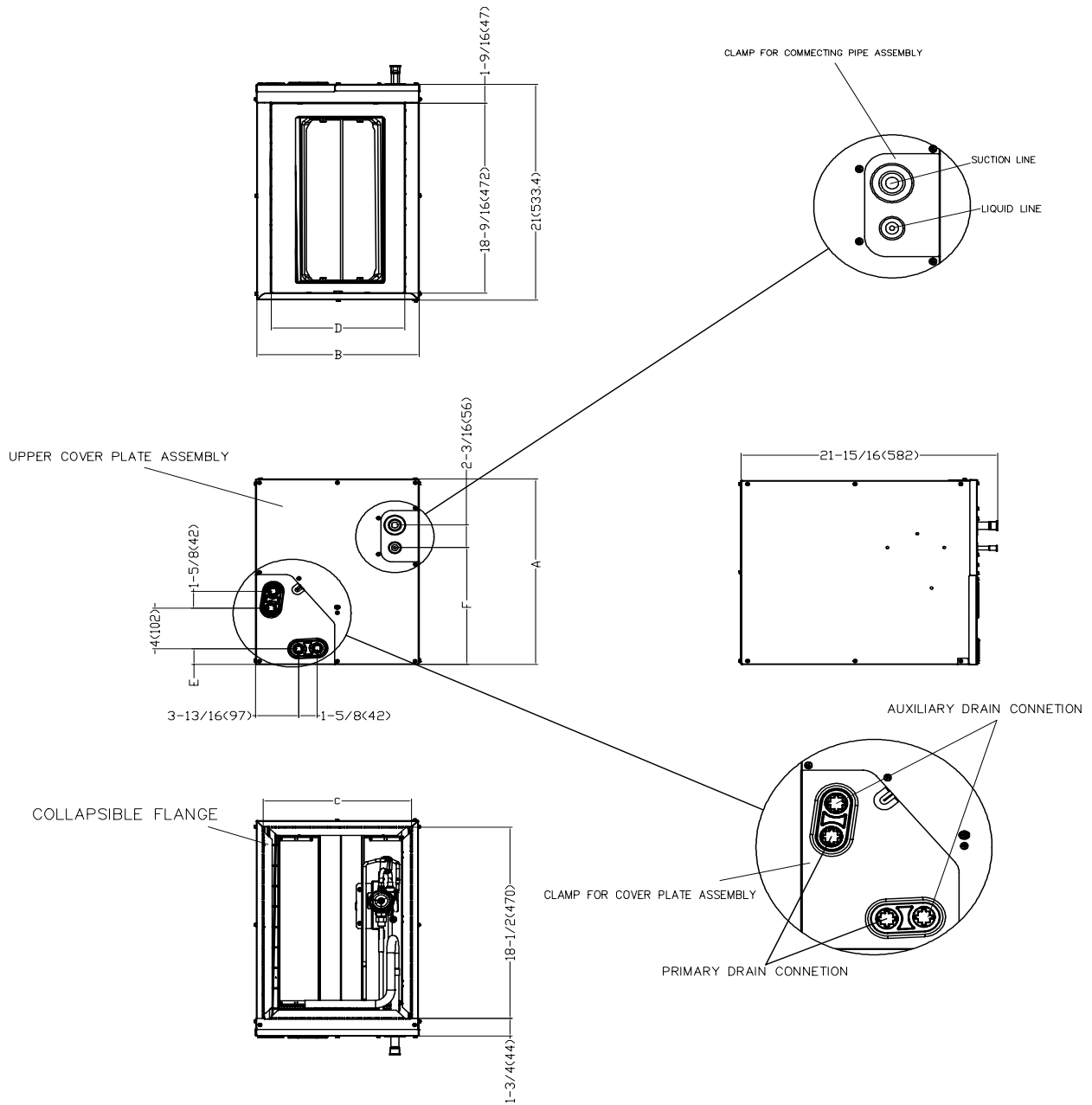
## ELECTRICAL

|                                  |                                        |
|----------------------------------|----------------------------------------|
| Indoor Power Supply              | 24V,60Hz,1Ph                           |
| Indoor MCA 115V/(208/230V)       | /                                      |
| Indoor MOP                       | /                                      |
| Outdoor Power Supply             | 208/230,60Hz,1Ph                       |
| Outdoor MCA                      | 29                                     |
| Outdoor MOP                      | 30                                     |
| Communication Wiring             | AWG 20-2                               |
| Compressor RLA                   | 20.5                                   |
| Outdoor Fan Motor RLA            | 2.4                                    |
| Outdoor Fan Motor W              | /                                      |
| Indoor Fan Motor RLA             | /                                      |
| Indoor Fan Motor W               | /                                      |
| System Power Input @ Cooling (W) | 3,364(1,020 ~ 4,520)                   |
| System Power Input @ Heating (W) | 3,375(800 ~ 4,540)                     |
| MCA: Min. circuit amps (A)       | MOCP: Max. over current protection (A) |
| RLA: Rated load amps (A)         | W: Fan motor rated output (W)          |

## PIPING

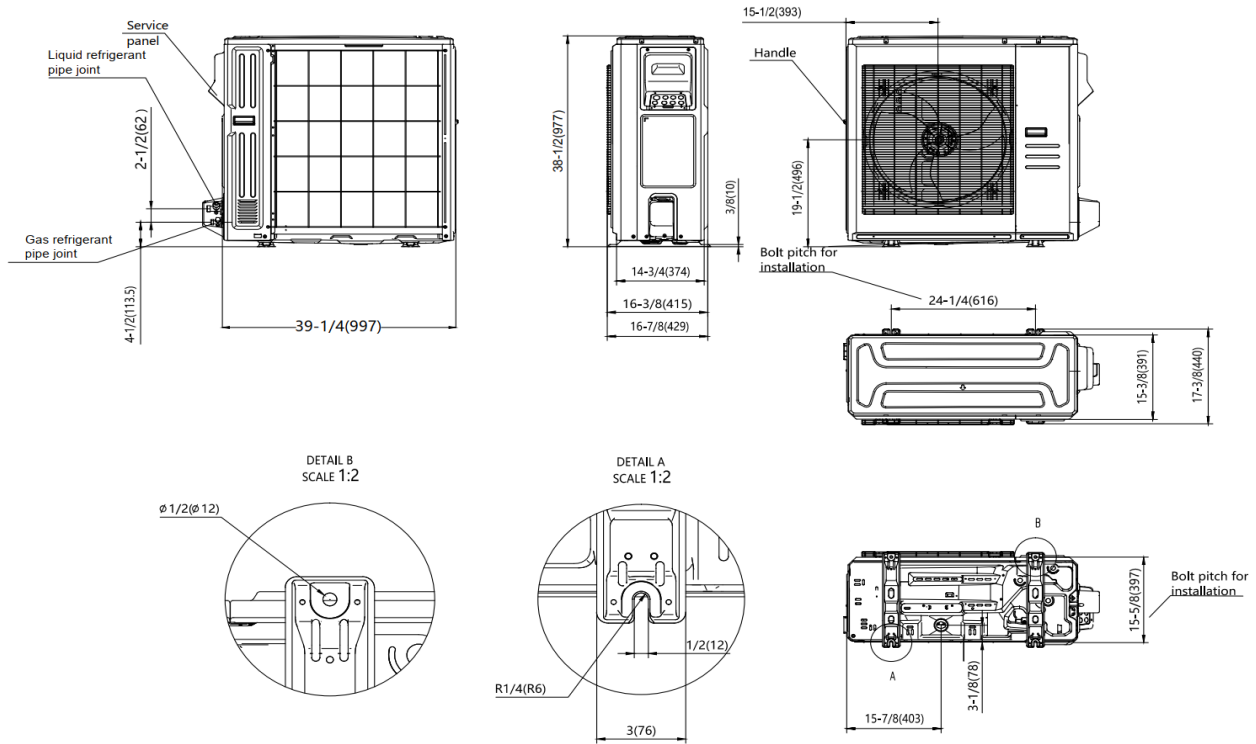
|                                               |               |
|-----------------------------------------------|---------------|
| Throttle type(Indoor)                         | EXV           |
| Throttle type(Outdoor)                        | EXV           |
| Liquid Size                                   | 9.52mm(3/8in) |
| Gas Size                                      | 19mm(3/4in)   |
| Max. Piping Length(ft/m)                      | 246(75)       |
| Max. Height Difference(ft/m)                  | 98(30)        |
| Max. Pre-charged Length(ft/m)                 | 24.6(7.5)     |
| Refrigerant Pre-charged Amount(oz/kg)         | 126.99(3.6)   |
| Additional Charge of Refrigerant(oz/ft)/(g/m) | 0.7(65)       |
| Connection Method                             | Flared        |

# Indoor Unit Dimension

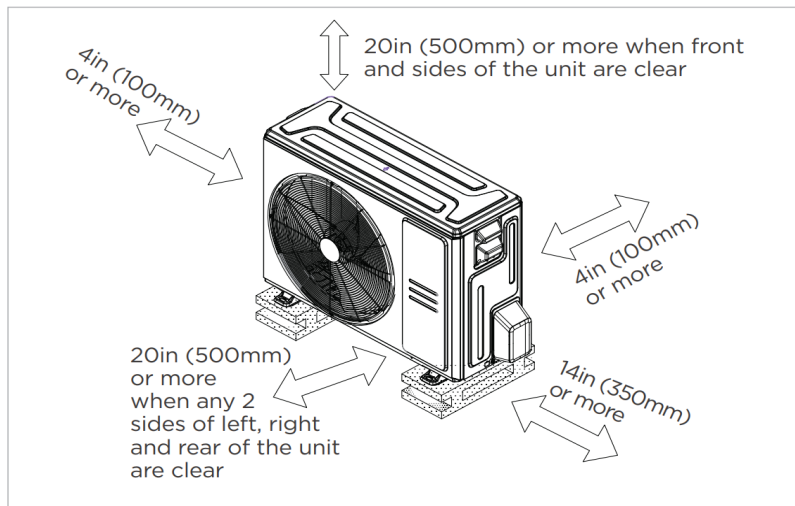


| Dimensions                   | BZ33-MSC24B-454-G3-J | BZ33-MSC24A-454-G3-J | BZ33-MSC36B-454-G3-J | BZ33-MSC36C-454-G3-J | BZ33-MSC60D-454-G3-J |
|------------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| Model Height (A)             | 18"                  | 18"                  | 23-9/16"             | 24"                  | 28"                  |
| Model Width (B)              | 17-1/2"              | 14-1/2"              | 17-1/2"              | 21"                  | 24-1/2"              |
| Supply Air Opening Width (C) | 16-3/16"             | 13-1/4"              | 16-3/16"             | 19-3/4"              | 23-1/4"              |
| Return Air Opening Width (D) | 14-15/16"            | 11-15/16"            | 14-15/16"            | 19-1/2"              | 23-1/8"              |
| Condensate Drains Height (E) | 1-7/16"              | 1-7/16"              | 1-7/16"              | 2-3/16"              | 2-3/16"              |
| Liquid Line Height (F)       | 11-3/8"              | 11-3/8"              | 16-3/8"              | 17-1/2"              | 21-7/16"             |

## Outdoor Unit Dimension



## Installation Instruction For Outdoor Unit



✓ Meets all spatial requirements shown in Installation Clearance Requirements above.

#### Features

- Multi-position installation: horizontal(left or right), vertical( up or down)
- Aluminum Coil
- R454B refrigerant sensor
- Easy Maintenance
- Multiple control options available:
  - Two way communication wired controller with built-in WiFi:120N(X6W)
  - Third-Party 24V Thermostat