

# SUBMITTAL DATA SHEET

## Multi Zone Heat Pump System BXM1A48SC0

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



### OUTDOOR SPECIFICATION

|                              |             |                       |
|------------------------------|-------------|-----------------------|
| Compressor Type              | ROTARY      |                       |
| Compressor Model             | KTQ420D1UMU |                       |
| Refrigerant                  | R454B       |                       |
| Refrigerant Oil Charge(mL)   | 1400        |                       |
| Refrigerant Oil              | V74         |                       |
| Outdoor Air Flow (Max) (CFM) | 4503        |                       |
| Outdoor Noise Level (dBA)    | 63          |                       |
| Dimension (W×D×H)            | inch        | 37.48 x 16.34 x 52.48 |
|                              | mm          | 952×415×1333          |
| Package (W×D×H)              | inch        | 43.11 x 19.49 x 58.27 |
|                              | mm          | 1095×495×1480         |
| Net/Gross Weight             | lbs         | 222.00/254.19         |
|                              | kg          | 100.7/115.3           |

### ELECTRICAL

|                                  |                                       |
|----------------------------------|---------------------------------------|
| Power Supply                     | 208/230V,60Hz,1Ph                     |
| System MCA                       | 40                                    |
| Connection Wiring                | AWG 14-4                              |
| System MOC                       | 45                                    |
| Compressor RLA                   | 24                                    |
| Outdoor Fan Motor RLA            | 2.5                                   |
| Outdoor Fan Motor W              | 85                                    |
| Indoor Fan Motor RLA             | /                                     |
| Indoor Fan Motor W               | /                                     |
| System Power Input @ Cooling (W) | 3764/(800 ~ 5800)                     |
| System Power Input @ Heating (W) | 3702/(800 ~ 5200)                     |
| MCA: Min. circuit amps (A)       | MOC: Max. over current protection (A) |
| RLA: Rated load amps (A)         | W: Fan motor rated output (W)         |

### EFFICIENCY

| Cooling |      | Heating |      |
|---------|------|---------|------|
| SEER2   | 24.0 | HSPF2-4 | 10.3 |
| EER2    | 12.5 | COP     | 3.8  |

### PERFORMANCE of Cooling

| Cooling (Btu/hr)                |                                                     |
|---------------------------------|-----------------------------------------------------|
| Rated Capacity                  | 47000                                               |
| Min/Max Capacity                | 12000~55000                                         |
| Moisture Removal(L/h)           | 3.3                                                 |
| Standard Operating Range(°F/°C) | -13~-122/(-25~-50)                                  |
| Rated Cooling Conditions:       | Indoor: 80°F DB/67°F WB<br>Outdoor: 95°F DB/75°F WB |

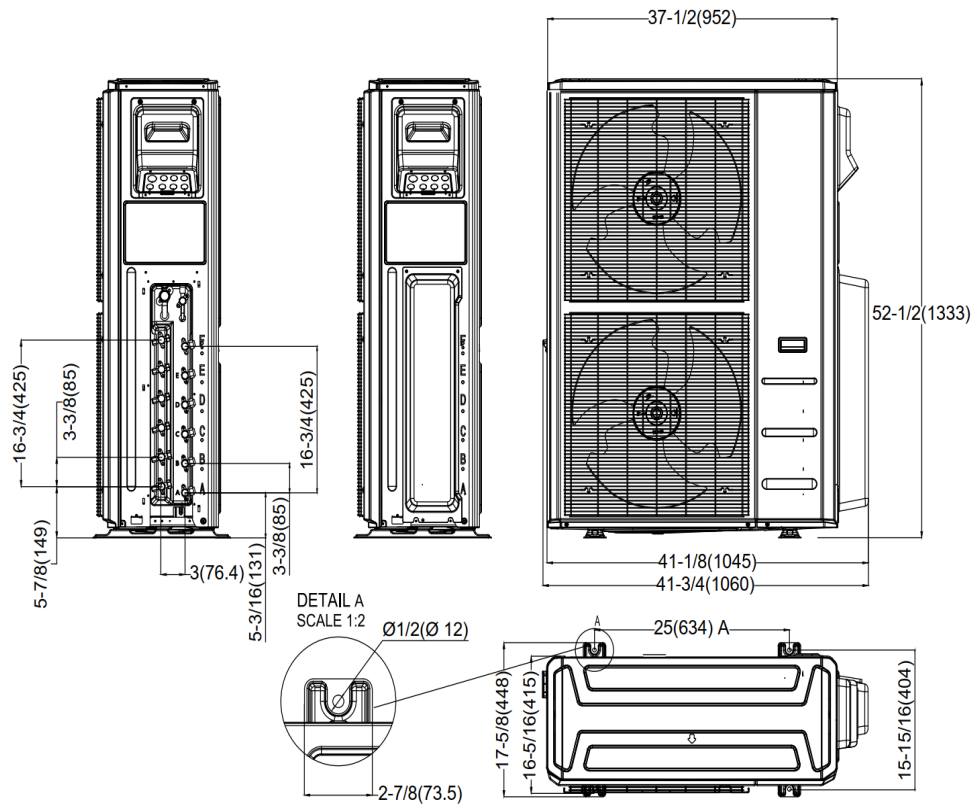
### PERFORMANCE of Heating

| Heating (Btu/hr)                    |                                                     |
|-------------------------------------|-----------------------------------------------------|
| 1. @ 47°F Rated                     | 48000                                               |
| 1. @ 47°F Min/Max Capacity          | 13000~53000                                         |
| 2. @ 17°F Rated(H32)                | 38000                                               |
| 3. @ 5°F Rated: Capacity / COP(H42) | 36000/2                                             |
| 3. @ 5°F Max: Capacity              | 36000                                               |
| Standard Operating Range(°F/°C)     | -13~75/(-25~24)                                     |
| 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   |

### PIPING

|                                                                             |                                    |
|-----------------------------------------------------------------------------|------------------------------------|
| Liquid Size                                                                 | 6x6.35mm(6x1/4in)                  |
| Gas Size                                                                    | 4x9.52mm+2x12.7mm(4x3/8in+2x1/2in) |
| Max. Piping Length for all rooms(ft/m)                                      | 262.4/(80)                         |
| Max. Piping Length for one IDU(ft/m)                                        | 114.8/(35)                         |
| Max. Height Difference of IDU and ODU(ft/m)                                 | 49.2/(15)                          |
| Refrigerant Pre-charged Amount(oz/kg)                                       | 148.15/(4.2)                       |
| Refrigerant Precharge Length(ft/m)                                          | 24.6(7.5)x6                        |
| Additional Charge of Refrigerant (Φ6.35 (1/4") liquid pipe) ((oz/ft)/(g/m)) | 0.16/(15)                          |
| Additional Charge of Refrigerant (Φ9.52 (3/8") liquid pipe) ((oz/ft)/(g/m)) | 0.32/(30)                          |
| Connection Method                                                           | Flared                             |

### Outdoor Unit Dimension



### Installation Instruction

