

# SUBMITTAL DATA SHEET



Series Name: Multi Zone Hyper Heat Series  
Model Number: HMZ18H525ZMO

| Multi Zone Heat Pump System |  |               |  |
|-----------------------------|--|---------------|--|
| Location:                   |  | Approval:     |  |
| Engineer:                   |  | Date:         |  |
| Submitted to:               |  | Construction: |  |
| Submitted by:               |  | Unit #:       |  |
| Reference:                  |  | Drawing #:    |  |



| OUTDOOR SPECIFICATION        |      |                       |
|------------------------------|------|-----------------------|
| Compressor Type              |      | ROTARY                |
| Compressor Model             |      | KTM240D46UKT2         |
| Refrigerant                  |      | R454B                 |
| Refrigerant Oil Charge(mL)   |      | 620                   |
| Refrigerant Oil              |      | VG74                  |
| Outdoor Air Flow (Max) (CFM) |      | 2131                  |
| Outdoor Noise Level (dBA)    |      | 61.5                  |
| Dimension (W×D×H)            | inch | 37.24 x 16.14 x 31.89 |
| Package (W×D×H)              | inch | 42.91 x 19.68 x 34.84 |
| Net/Gross Weight             | lbs  | 137.35/148.15         |

| ELECTRICAL                       |                                        |
|----------------------------------|----------------------------------------|
| Power Supply                     | 208/230V, 60Hz, 1Ph                    |
| System MCA                       | 17.5                                   |
| Connection Wiring                | AWG 14-4                               |
| System MOCP                      | 20                                     |
| Compressor RLA                   | 9.2                                    |
| Outdoor Fan Motor RLA            | 1.2                                    |
| Outdoor Fan Motor W              | 120                                    |
| Indoor Fan Motor RLA             | /                                      |
| Indoor Fan Motor W               | /                                      |
| System Power Input @ Cooling (W) | 1265/(400 ~ 2250)                      |
| System Power Input @ Heating (W) | 1465/(350 ~ 2300)                      |
| MCA: Min. circuit amps (A)       | MOCP: Max. over current protection (A) |
| RLA: Rated load amps (A)         | W: Fan motor rated output (W)          |

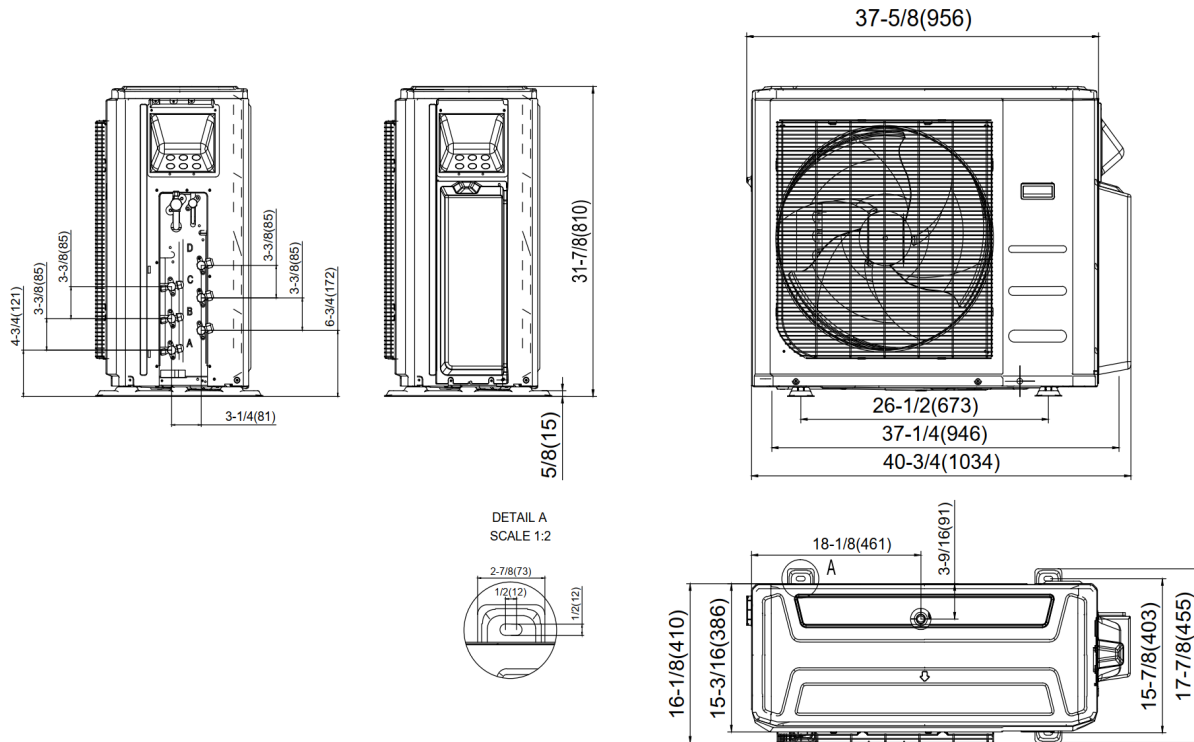
| EFFICIENCY |      |         |      |
|------------|------|---------|------|
| Cooling    |      | Heating |      |
| SEER2      | 25.0 | HSPF2-4 | 10.4 |
| EER2       | 15   | COP     | 4.0  |

| PERFORMANCE of Cooling          |                          |
|---------------------------------|--------------------------|
| Cooling (Btu/hr)                |                          |
| Rated Capacity                  | 19000                    |
| Min/Max Capacity                | 5400~28000               |
| Moisture Removal(L/h)           | 0                        |
| 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 |

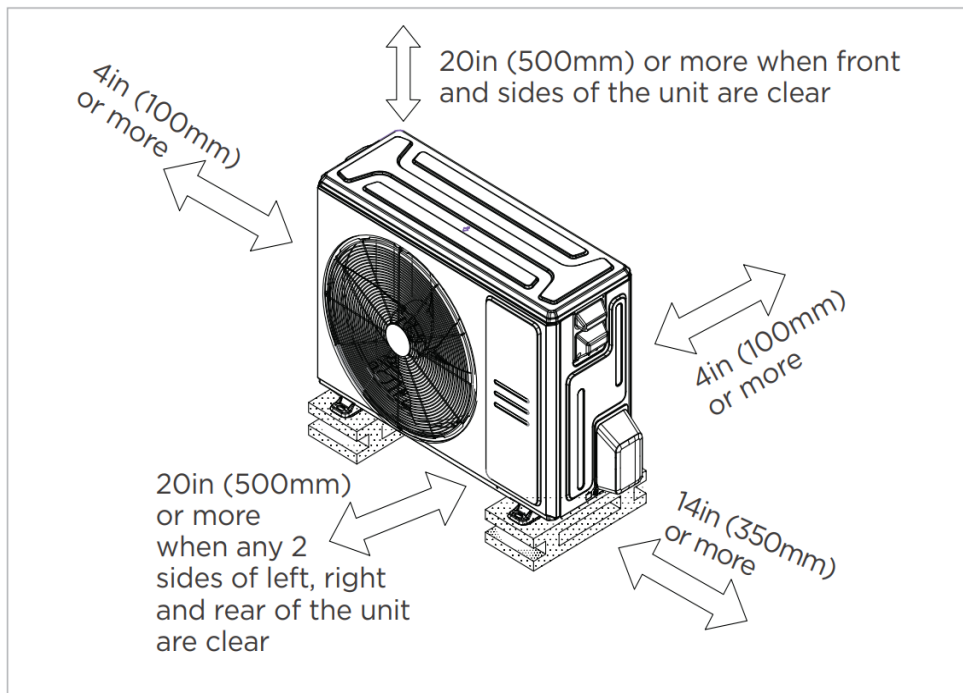
| PERFORMANCE of Heating              |                          |
|-------------------------------------|--------------------------|
| Heating (Btu/hr)                    |                          |
| 1. @ 47°F Rated                     | 20000                    |
| 1. @ 47°F Min/Max Capacity          | 5700~27000               |
| 2. @ 17°F Rated(H32)                | 17600                    |
| 3. @ 5°F Rated: Capacity / COP(H42) | 19000/2                  |
| 3. @ 5°F Max: Capacity              | 19000                    |
| Standard Operating Range(*F/*C)     | -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   |

| PIPING                                                                      |                   |
|-----------------------------------------------------------------------------|-------------------|
| Liquid Size                                                                 | 3x6.35mm(3x1/4in) |
| Gas Size                                                                    | 3x9.52mm(3x3/8in) |
| Max. Piping Length for all rooms(ft/m)                                      | 196.8/(60)        |
| Max. Piping Length for one IDU(ft/m)                                        | 98.4/(30)         |
| Max. Height Difference of IDU and ODU(ft/m)                                 | 49.2/(15)         |
| Refrigerant Pre-charged Amount(oz/kg)                                       | 78.31/(2.22)      |
| Refrigerant Precharge Length(ft/m)                                          | 24.6(7.5)x3       |
| 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



Meets all spatial requirements shown in Installation Clearance Requirements above.