

R454b Refrigerant

SUBMITTAL DATA SHEET



Series Name: Multi Zone Xtreme Heat Series
Model Number: MO4HX-H27B-2A

Multi Zone Heat Pump System

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



OUTDOOR SPECIFICATION

| | | |
|-------------------------------------|--------------|--------------------------|
| Compressor Type | ROTARY | |
| Compressor Model | KTF310D43UMT | |
| Refrigerant | R454B | |
| Refrigerant Oil Charge(mL) | 1000 | |
| Refrigerant Oil | VG74 | |
| Outdoor Air Flow (Max) (CFM) | 2148 | |
| Outdoor Noise Level (dBA) | 61 | |
| Dimension (WxDxH) | inch | 37-1/4 x 16-1/8 x 31-7/8 |
| | mm | 946 x 410 x 810 |
| Package (WxDxH) | inch | 42-7/8 x 19-5/8 x 34-7/8 |
| | mm | 1090 x 500 x 885 |
| Net/Gross Weight | lbs | 168 / 180 |
| | kg | 76.4 / 81.5 |

ELECTRICAL

| | |
|---|---|
| Power Supply | 208/230V,60Hz,1Ph |
| System MCA | 30.0 |
| Connection Wiring | AWG 14/4 |
| System MOCP | 35.0 |
| Compressor RLA | 17 |
| Outdoor Fan Motor RLA | 1.3 |
| Outdoor Fan Motor W | 120 |
| Indoor Fan Motor RLA | / |
| Indoor Fan Motor W | / |
| System Power Input @ Cooling (W) | 2,333 (500~4,500) |
| System Power Input @ Heating (W) | 2,279 (500~4,000) |
| 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 | 19.0 | HSPF2-4 | 9.5 |
| EER2 | 12 | COP | 3.6 |

PERFORMANCE of Cooling

| Cooling (Btu/hr) | |
|--|---|
| Rated Capacity | 28,000 |
| Min/Max Capacity | 7,200~38,000 |
| Moisture Removal(L/h) | 0.2 |
| 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

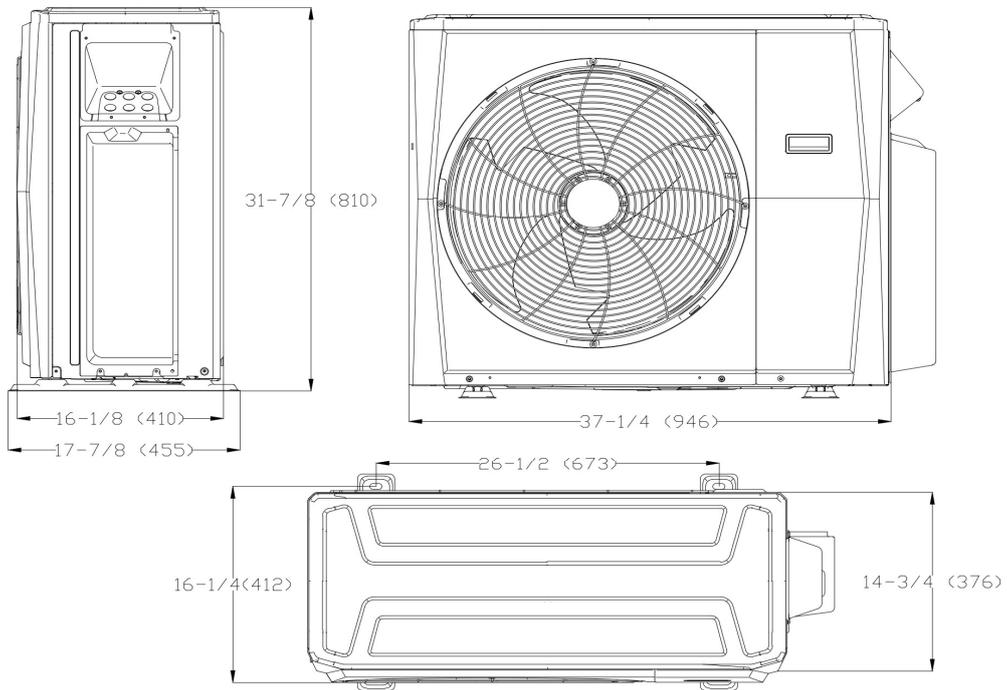
| Heating (Btu/hr) | |
|--|---|
| 1. @ 47°F Rated | 28,000 |
| 1. @ 47°F Min/Max Capacity | 8,400~38,500 |
| 2. @ 17°F Rated(H32) | 23,000 |
| 3. @ 5°F Rated: Capacity / COP(H42) | 27,000 / 2 |
| 3. @ 5°F Max: Capacity | 27,000 |
| Standard Operating Range(*F/*C) | -22~75 (-30~24) |
| 1. Conditions: | 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 | 4 x 1/4" (4 x 6.35 mm) |
| Gas Size | 3/8 x 3/8" (9.52 x 9.52 mm) |
| Max. Piping Length for all rooms(ft/m) | 262 (80) |
| Max. Piping Length for one IDU(ft/m) | 115 (35) |
| Max. Height Difference of IDU and ODU(ft/m) | 49 (15) |
| Refrigerant Pre-charged Amount(oz/kg) | 121 (3.42) |
| Refrigerant Precharge Length(ft/m) | 25 (7.5) x 4 |
| 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

Unit: inch (mm)



Installation Instruction

