






9000 BTU Single Zone Unit

Engineering
Submittal
Sheet



| Overview and Project Information | |
|---|--------------------|
|      | Project name |
| | Location |
| | Architect |
| | Engineer |
| | General contractor |
| | Reference # |

| 9K Btu Single Zone Regular Heat System - Wall Mounted IDU | |
|---|---------------------|
| Indoor part number | |
| Indoor model number | TMF09HEI2NAO0T24-IN |
| Outdoor part number | |
| Outdoor model number | TMF09HEI2NAO0T24 |
| Efficiency Data | AHRI 210/240 2023 |
| SEER2 | 25 |
| EER2 | 14.5 |
| HSPF2 Region IV | 10.5 |
| HSPF2 Region V | 9 |
| COP2(47F) | 4 |
| COP (5F) | 1.8 |
| Electrical Data | |
| Power supply (V / Ø / Hz) | 208-230 / 1 / 60 |
| Min. circuit ampacity indoor/outdoor (A) | 0.6 / 9.0 |
| Max. fuse indoor/outdoor (A) | 15.0 / 15.0 |
| Compressor Data | |
| Type: | Rotary |
| Refrigerant oil /oil charge (ml) | RM-LP68EP / 240 |
| Input (W) | 915 |
| Rated current (RLA/A) | 4.9 |

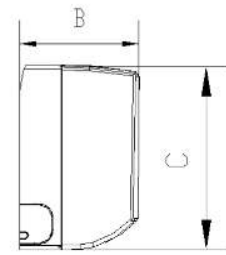
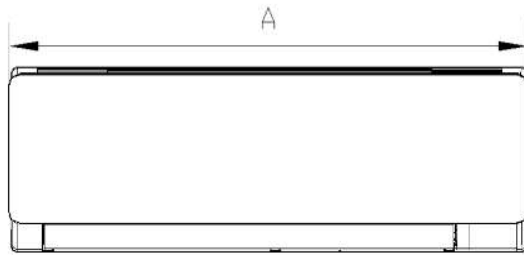
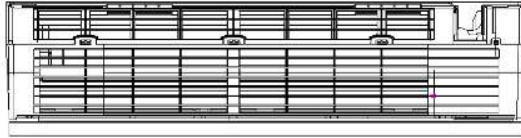
| Performance Data | | AHRI 210/240 2023 |
|------------------|---------------------|-------------------|
| Cooling | Capacity Range | 3200~12400 |
| | Rated Capacity | 9000 |
| | Current | 3 |
| | Input Power | 680 |
| Heating | Capacity Range | 2100~15100 |
| | Rated Capacity(47F) | 9000 |
| | Rated Capacity(5F) | 9100 |
| | Current | 3.3 |
| | Input Power | 730 |

| Operation Range | | |
|-----------------|-------------------|-----------------|
| ODU | Cooling (°C /°F) | -15~55 / 5~131 |
| | Heating (°C /°F) | -30~24 / -22~75 |
| IDU | Cooling (°C /°F) | 17~32 / 63~90 |
| | Heating (°C /°F) | 0~27 / 32~81 |

| Piping | |
|-------------------------------------|--------------|
| Refrigerant precharge (oz/g) | 33.51 / 950 |
| Length for precharge (ft/m) | 7.5 / 25 |
| Liquid side (in/mm) | 1/4" / Ø6.35 |
| Gas side (in/mm) | 3/8" / Ø9.52 |
| Additional charge per ft (oz/g) | 0.11 / 10 |
| Max. refrigerant pipe length (ft/m) | 49 / 15 |
| Max. difference in height (ft/m) | 33 / 10 |

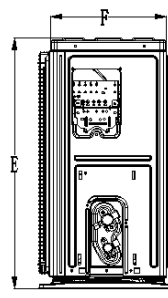
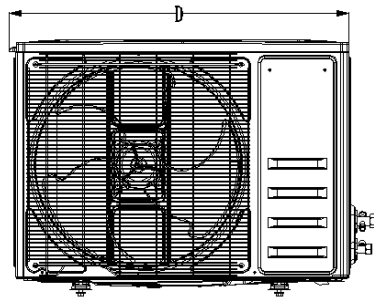
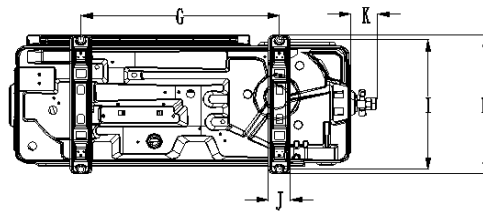
| System Data | | |
|---------------------------|--------------------------------|---------------|
| Refrigerant type | R454B | |
| Design pressure (Mpa) | 5 | |
| Dehumidification (pts/hr) | 1.1 | |
| IDU | Fan motor model | ZKFP-20-8-125 |
| | Fan motor qty (ea) | 1 |
| | Fan motor input (W) | 25 |
| | Fan speed (RPM) | 1150/950/780 |
| | Air flow, H / M / L (CFM) | 282/235/188 |
| | Noise level, H / M / L (dB(A)) | 39/33/29 |
| ODU | Net weight (lbs / kg) | 20.7 / 9.4 |
| | Gross weight (lbs / kg) | 25.1 / 11.4 |
| | Fan motor model | ZKFN-33-10-1L |
| | Fan motor qty (ea) | 1 |
| | Fan motor input (W) | 33 |
| | Fan motor speed, H (RPM) | 950 |
| | Noise level, Max (dB(A)) | 55 |
| Net weight (lbs / kg) | 54 / 24.5 | |
| Gross weight (lbs / kg) | 65 / 29.5 | |

Indoor Unit Dimensions and Connections



| Model | A | B | C |
|-------|--------|-------|--------|
| 09K | /32.28 | /7.69 | /12.03 |

Outdoor Unit Dimensions and Connections



| Model | D | E | F | G | H | I | J | K |
|-------|--------|--------|-------|--------|-----|--------|-------|-------|
| 09K | /29.17 | /21.69 | /9.96 | /17.08 | /12 | /11.22 | /1.89 | /2.28 |