



SUBMITTAL DATA SHEET



| | | |
|------------------------|-------------------------------|---|
| ACIQ-24CC-HH-MB | 24,000 BTU/H(208/230V) | Concealed Ducted Type Heat Pump System |
| Location: _____ | Approval: _____ | |
| Engineer: _____ | Date: _____ | |
| Submitted to: _____ | Construction: _____ | |
| Submitted by: _____ | Unit #: _____ | |
| Reference: _____ | Drawing #: _____ | |

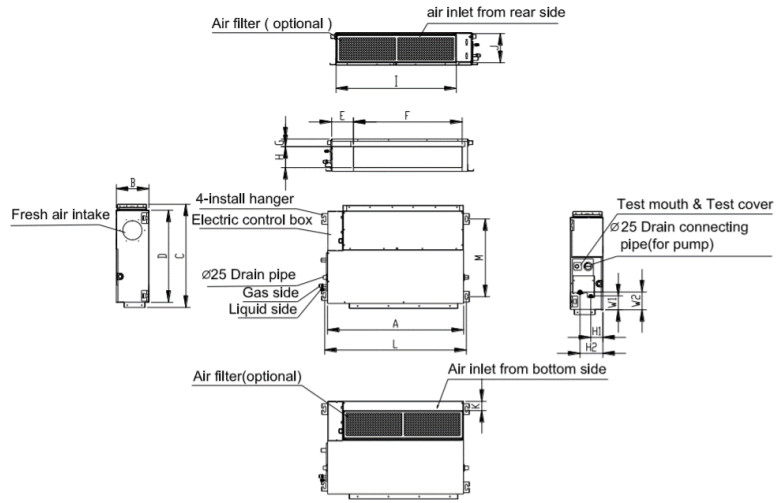
| | |
|-------------------|---|
| Set Code | ##### |
| Indoor unit code | 22023011003414 |
| Set Model | |
| Indoor unit model | ACIQ-24CC-HH-MB |
| Certified | |
| AHRI |  |
| UL |  |



| SYSTEM PERFORMANCE DATA | | |
|-------------------------------|-------------|----------------|
| Power supply | | |
| Normal Operational Voltage | (V, Ph, Hz) | 208/230, 1, 60 |
| Voltage Range | (V) | 187-253 |
| Electrical | | |
| Minimum circuit ampacity | (A) | 25.0 |
| Max.fuse | (A) | 35.0 |
| Connection wiring | | #REF! |
| Cooling | | |
| Rated Capacity | (Btu/h) | 24000 |
| Capacity Range | (Btu/h) | 6500~27800 |
| Power Input (Max) | (W) | 1920 |
| Rated current | (A) | 8.52 |
| SEER | (Btu/W) | 20.6 |
| EER | (Btu/W) | 12.5 |
| Heating at 47F | | |
| Rated Capacity | (Btu/h) | 24600 |
| Capacity Range | (Btu/h) | 12200~32200 |
| Power Input (Max) | (W) | 1920 |
| Rated current | (A) | 8.19 |
| HSPF4 | (Btu/W) | 12.6 |
| HSPF5 | (Btu/W) | 10.7 |
| COP | W/W | 3.66 |
| Heating at 17F | | |
| Max Capacity | (Btu/h) | 26511 |
| REFRIGERANT PIPE DATA | | |
| Design pressure | (PSIG) | 550/340 |
| Refrigerant Type | (Oz) | R410A/91.7 |
| Refrigerant precharge | (ft) | 25.0 |
| | (m) | 7.6 |
| Additional charge for each ft | (oz/ft) | 0.32 |
| | (g/ft) | 30 |
| Liquid side/ Gas side | (inch) | 3/8" / 5/8" |
| | (mm) | 9.52/15.9 |
| Max. pipe length | (ft) | 164.0 |
| | (m) | 50.0 |
| Max. difference in level | (ft) | 82.0 |
| | (m) | 25.0 |
| Connection method | | (Flared) |
| Indoor(cooling/ heating) | (Deg. °F) | 63~90 / 32~86 |
| | (Deg. °C) | 17~32 / 0~30 |
| Application area | (sq.ft) | 344.44~505.90 |
| | (m2) | 32~47 |

| INDOOR UNIT DATA | | |
|-----------------------------------|----------|----------------------|
| Indoor fan motor | | |
| Type | | Cross-Flow |
| Model | | ZKFN-160-8-1-2 |
| Qty | | 1 |
| Input | (W) | 90.0 |
| RLA | (A) | - |
| LRA | (A) | --- |
| Winding Resistance | (Ω) | --- |
| Capacitor | (uF) | --- |
| Speed(Hi/Mi/Lo) | (r/min) | 880/820/690 |
| Air flow & Noise level | | |
| Indoor air flow (Hi/Med/Lo) (Δ) | (CFM) | 775.47/693.06/434.88 |
| Indoor noise level (Hi/Med/Lo) | [dB(A)] | 44/40/35.5 |
| Dehumidification | | |
| | (Pint/H) | --- |
| Indoor unit | | |
| Dimension (WxDxH) | (inch) | 43x30x10 |
| | (mm) | 1100x774x249 |
| Packing(WxDxH) | (inch) | 51x32x12.4 |
| | (mm) | 1305x805x315 |
| Net/Gross weight | (lbs.) | 90.39/105.82 |
| | (kg) | 41/48 |

Indoor unit dimension



| Model (KBTu/h) | unit | A | B | C | D | E | F | G | H | I | J | K | L | M | H1 | H2 | W1 | W2 |
|----------------|------|------|------|------|------|-----|------|-----|-----|------|------|-----|------|------|-----|-----|-----|-----|
| 9/12 | mm | 700 | 200 | 506 | 450 | 137 | 537 | 30 | 152 | 599 | 186 | 50 | 741 | 360 | 84 | 140 | 84 | 84 |
| | inch | 27.6 | 7.9 | 19.9 | 17.7 | 5.4 | 21.1 | 1.2 | 6.0 | 23.6 | 7.3 | 2.0 | 29.2 | 14.2 | 3.3 | 5.5 | 3.3 | 3.3 |
| 18 | mm | 880 | 210 | 674 | 600 | 140 | 706 | 50 | 136 | 782 | 190 | 40 | 920 | 508 | 78 | 148 | 88 | 112 |
| | inch | 34.6 | 8.3 | 26.5 | 23.6 | 5.5 | 27.8 | 2.0 | 5.4 | 30.8 | 7.5 | 1.6 | 36.2 | 20.0 | 3.1 | 5.8 | 3.5 | 4.4 |
| 24 | mm | 1100 | 249 | 774 | 700 | 140 | 926 | 50 | 175 | 1001 | 228 | 5 | 1140 | 598 | 80 | 150 | 130 | 155 |
| | inch | 43.3 | 9.8 | 30.5 | 27.6 | 5.5 | 36.5 | 2.0 | 6.9 | 39.4 | 9.0 | 0.2 | 44.9 | 23.5 | 3.1 | 5.9 | 5.1 | 6.1 |
| 36 | mm | 1360 | 249 | 774 | 700 | 140 | 1186 | 50 | 175 | 1261 | 228 | 5 | 1400 | 598 | 80 | 150 | 130 | 155 |
| | inch | 53.5 | 9.8 | 30.5 | 27.6 | 5.5 | 46.7 | 2.0 | 6.9 | 49.6 | 9.0 | 0.2 | 55.1 | 23.5 | 3.1 | 5.9 | 5.1 | 6.1 |
| 48 | mm | 1200 | 300 | 874 | 800 | 123 | 1044 | 50 | 227 | 1101 | 280 | 5 | 1240 | 697 | 80 | 150 | 185 | 210 |
| | inch | 47.2 | 11.8 | 34.4 | 31.5 | 4.8 | 41.1 | 2.0 | 8.9 | 43.3 | 11.0 | 0.2 | 48.8 | 27.4 | 3.1 | 5.9 | 7.3 | 8.3 |

General Features

Wired controller

Weekly-time wired controller(optional)

Central controller

Long distance Alarm and ON/OFF controller

Build-in pump

Extended Performance Data