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|--|------------------------------|--------------------------------------|
| CH-NY09MIA-230VI / CH-NY09MIA-230VO | 9,000 BTU/H(208/230V) | Wall Mounted Heat Pump System |
| Location: _____ | Approval: _____ | |
| Engineer: _____ | Date: _____ | |
| Submitted to: _____ | Construction: _____ | |
| Submitted by: _____ | Unit #: _____ | |
| Reference: _____ | Drawing #: _____ | |

CH-NY09MIA-230VI
CH-NY09MIA-230VO

Set Model
Indoor unit model CH-NY09MIA-230VI
Outdoor unit model CH-NY09MIA-230VO

Certified



SYSTEM PERFORMANCE DATA

| | | |
|--|--|---------------------|
| Power supply | | |
| Normal Operational Voltage (V, Ph, Hz) | | 208/230V, 1Ph, 60Hz |
| Voltage Range (V) | | 187-253 |
| Electrical | | |
| Minimum circuit ampacity (A) | | 12.0 |
| Max.fuse (A) | | 15 |
| Connection wiring | | 14*4 AWG |
| Cooling | | |
| Rated Capacity (Btu/h) | | 9000 |
| Capacity Range (Btu/h) | | 2900-10200 |
| Power Input (Max) (W) | | 710 |
| Rated current (A) | | 3.15 |
| SEER (Btu/W) | | 21.5 |
| EER (Btu/W) | | 12.6 |

| | | |
|------------------------|--|------------|
| Heating at 47F | | |
| Rated Capacity (Btu/h) | | 10000 |
| Capacity Range (Btu/h) | | 2400-10900 |
| Power Input (Max) (W) | | 890 |
| Rated current (A) | | 4.13 |
| HSPF4 (Btu/W) | | 10 |
| HSPF5 (Btu/W) | | 8.3 |
| COP | | 3.29 |

| | | |
|-----------------------|--|------|
| Heating at 17F | | |
| Max Capacity (Btu/h) | | 8000 |

REFRIGERANT PIPE DATA

| | | |
|---------------------------------------|--|---------------|
| Design pressure (PSIG) | | 550/340 |
| Refrigerant Type (Oz) | | R410A/25.4 |
| Refrigerant precharge (ft) | | 25.0 |
| (m) | | 7.6 |
| Additional charge for each ft (oz/ft) | | 0.16 |
| (g/ft) | | 15 |
| Liquid side/ Gas side (inch) | | 1/4" / 3/8" |
| (mm) | | φ6.35 / φ9.52 |
| Max. pipe length (ft) | | 82.0 |
| (m) | | 25.0 |
| Max. difference in level (ft) | | 32.8 |
| (m) | | 10.0 |
| Connection method | | (Flared) |

| | | |
|------------------------------------|--|-----------------|
| Indoor(cooling/ heating) (Deg. °F) | | 63~90 / 32~88 |
| (Deg. °C) | | 17~32 / 0~30 |
| Outdoor(cooling/heating) (Deg. °F) | | 5~122 / 5~75 |
| (Deg. °C) | | -15~50 / -15~24 |
| Application area (sq.ft) | | 129.17~193.75 |
| (m2) | | 12~18 |

INDOOR UNIT DATA

| | | | |
|--|--|--|----------------------|
| Indoor fan motor | | | |
| Type | | | Cross-Flow |
| Model | | | ZKFP-20-8-6-7 |
| Qty | | | 1 |
| Input (W) | | | 50.0 |
| RLA (A) | | | 0.3 |
| LRA (A) | | | --- |
| Winding Resistance (Ω) | | | --- |
| Capacitor (uF) | | | --- |
| Speed(Hi/Mi/Lo) (r/min) | | | 1180/850/650 |
| Air flow & Noise level | | | |
| Indoor air flow (Hi/Med/Lo) (N) (CFM) | | | 258.82/192.94/135.88 |
| Indoor noise level (Hi/Med/Lo) [dB(A)] | | | 40.5/30.5/24 |
| Dehumidification (Pint/H) | | | |
| | | | --- |
| Indoor unit | | | |
| Dimension (WxDxH) (inch) | | | 28.43x7.36x11.42 |
| (mm) | | | 722x187x290 |
| Packing(WxDxH) (inch) | | | 31.10x10.63x14.76 |
| (mm) | | | 790x270x375 |
| Net/Gross weight (lbs.) | | | 16.98/22.27 |
| (kg) | | | 7.7/10.1 |

OUTDOOR UNIT DATA

| | | | |
|-----------------------------------|--|--|-------------------|
| Compressor | | | |
| Type | | | KSK103D33UJEZ3 |
| Model | | | ROTARY |
| Brand | | | GMCC |
| Capacity (Btu/h) | | | 6944 / 11107 |
| Input (W) | | | 325 / 826 |
| Rated current (RLA) (A) | | | - |
| Refrigerant oil/oil charge (ml) | | | - |
| Throttle | | | Capillary |
| Outdoor fan motor | | | |
| Model | | | ZKFN-34-10-1-3 |
| Qty | | | 1 |
| Input (W) | | | --- |
| RLA (A) | | | --- |
| Speed (r/min) | | | 800/600 |
| Air flow & Noise level | | | |
| Outdoor air flow (Max.) (CFM) | | | 1294.12 |
| Outdoor noise level [dB(A)] | | | 54.50 |
| Outdoor unit | | | |
| Dimension (WxDxH) (inch) | | | 30.12x11.93x21.85 |
| (mm) | | | 765x303x555 |
| Packing (WxDxH) (inch) | | | 34.92x13.27x24.02 |
| (mm) | | | 887x337x610 |
| Net/ Gross weight (lbs.) | | | 55.11/60.85 |
| (kg) | | | 25.0/27.6 |

Indoor unit dimension

| Capacity | Body Code | W(mm) | D(mm) | H(mm) |
|----------|-----------|-------|-------|-------|
| 7K~9K | A | 722 | 187 | 290 |
| 9K~12K | B | 802 | 189 | 297 |
| 12K~18K | D | 965 | 215 | 319 |
| 18K~24K | E | 1080 | 226 | 335 |
| 27K~36K | F | 1259 | 282 | 362 |
| 30K~36K | G | 1350 | 272 | 365 |

Outdoor unit dimension

DETAIL A
SCALE 1:2