



Submittal Data

Submittal Data Model : **MSAG11A-09HRFN1-BS5W / MOX230-09HFN1-BS5W**

Description:

Job Name:

Location:

Date:

Purchaser:

Engineer:

Submitted to:

For:

Review:

Approval:



| SYSTEM PERFORMANCE DATA | | | |
|--|--|--|-------------|
| Power supply | | | |
| Normal Operational Voltage (V, Ph, Hz) | | | 115, 1, 60 |
| Voltage Range (V) | | | 103.5-126.5 |
| Electrical | | | |
| Minimum circuit ampacity (A) | | | 20 |
| Max.fuse (A) | | | 30 |
| Connection wiring | | | 14*4 AWG |
| Cooling | | | |
| Rated Capacity (Btu/h) | | | 9000 |
| Capacity Range (Btu/h) | | | 2650~10300 |
| Power Input (Max) (W) | | | 725 |
| Rated current (A) | | | 6 |
| SEER (Btu/W) | | | 21.5 |
| EER (Btu/W) | | | 12.5 |
| Heating at 47F | | | |
| Rated Capacity (Btu/h) | | | 10000 |
| Capacity Range (Btu/h) | | | 2700~10500 |
| Power Input (Max) (W) | | | 900 |
| Rated current (A) | | | 7.82 |
| HSPF4 (Btu/W) | | | 10.3 |
| HSPF5 (Btu/W) | | | 8.3 |
| COP W/W | | | 3.26 |
| Heating at 17F | | | |
| Max Capacity (Btu/h) | | | 6000 |

| INDOOR UNIT DATA | | | |
|-------------------------------------|--|--|----------------------|
| Indoor fan motor | | | |
| Type | | | Cross-Flow |
| Model | | | ZKFP-20-8-113 |
| Qty | | | 1 |
| Input (W) | | | 35.0 |
| RLA (A) | | | - |
| LRA (A) | | | --- |
| Winding Resistance (Ω) | | | --- |
| Capacitor (uF) | | | --- |
| Speed(Hi/Mi/Lo) (r/min) | | | 1050/810/690 |
| Air flow & Noise level | | | |
| Indoor air flow (Hi/Med/Lo) (CFM) | | | 238.82/170.00/137.06 |
| Indoor noise level (Hi/Med) [dB(A)] | | | 37.5/28/20 |
| Dehumidification (Pint/H) | | | --- |
| Indoor unit | | | |
| Dimension (WxDxH) (inch) | | | 28.70x7.87x11.50 |
| (mm) | | | 729x200x292 |
| Packing(WxDxH) (inch) | | | 31.10x10.63x14.76 |
| (mm) | | | 790x270x375 |
| Net/Gross weight (lbs.) | | | 17.64/22.71 |
| (kg) | | | 8.0/10.3 |

| 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 (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) | | | |
| | | | 60~90 / 32~86 |
| (Deg. °C) | | | |
| | | | 16~32 / 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 |

| OUTDOOR UNIT DATA | | | |
|-----------------------------------|--|--|-------------------|
| Compressor | | | |
| Type | | | KSK103D33UEZ3 |
| 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)] | | | 55.00 |
| Outdoor unit | | | |
| Dimension (WxDxH) (inch) | | | 30.12x11.93x21.85 |
| (mm) | | | 765x303x555 |
| Packing (WxDxH) (inch) | | | 34.92x13.27x24.02 |
| (mm) | | | 887x337x610 |
| Net/ Gross weight (lbs.) | | | 57.76/63.49 |
| (kg) | | | 26.2/28.8 |

COMPATIBILITY:

SINGLE ZONE INDOOR SYSTEM:

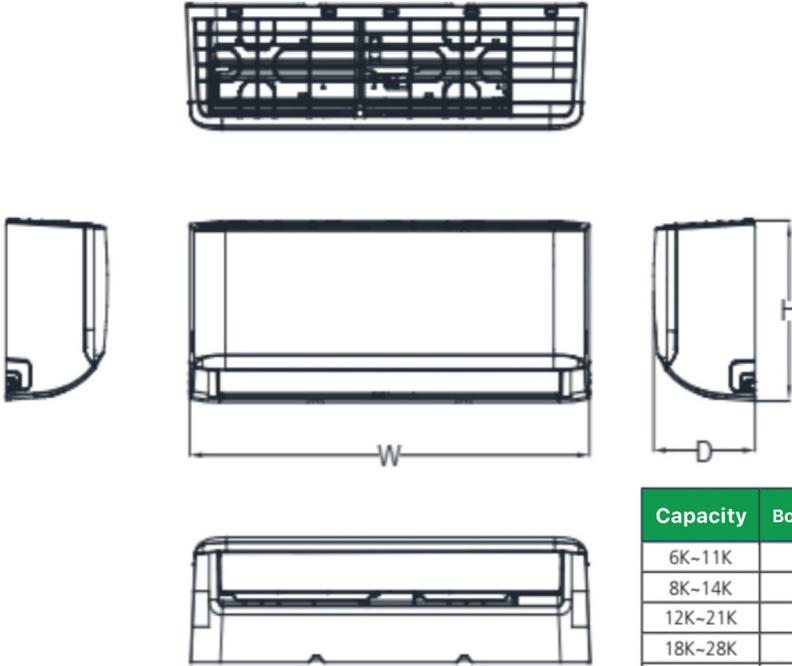
MODEL NO. **MSAG11A-09HRFN1-BS5W**

SINGLE ZONE OUTDOOR SYSTEM:

MODEL NO. **MOX230-09HFN1-BS5W**

SPECIFICATIONS:

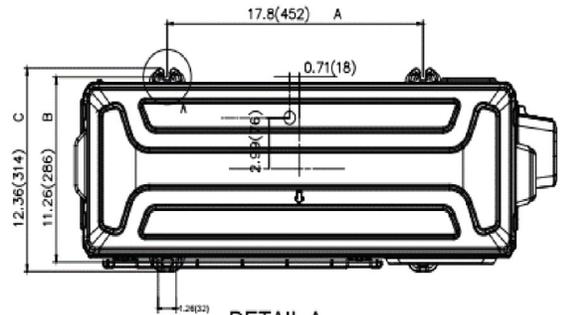
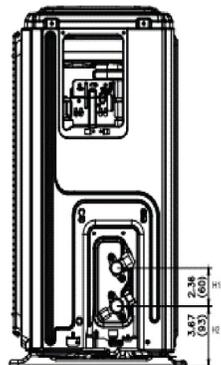
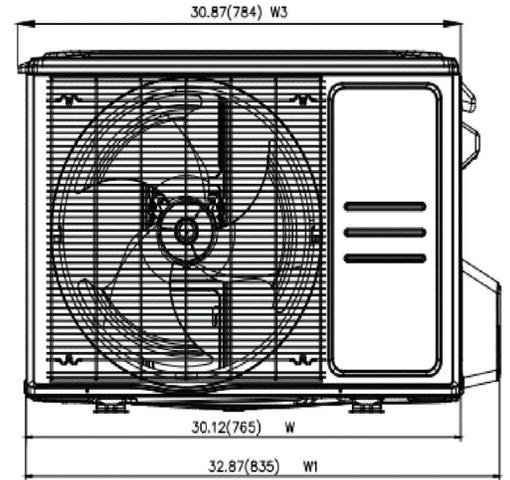
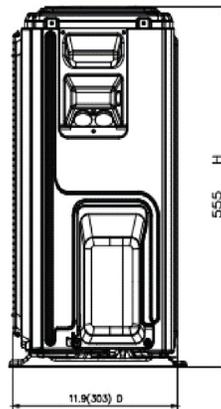
| | | |
|-----------------------|-----------------------------------|--------------------------------------|
| Accessories | Line sets – insulated and flared. | TCP09L15 TCP09L25 TCP09L50 |
| Outdoor | Wall bracket | OWMB09-30K |
| Outdoor | Riser support | SD01B |
| Safety Certifications | | UL |
| Warranty | | 2 YEARS PARTS, 6 YEARS COMPRESSOR |



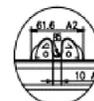
| Capacity | Body Code | W (mm/inch) | D (mm/inch) | H (mm/inch) |
|----------|-----------|-------------|-------------|-------------|
| 6K-11K | A | 729/28.7 | 200/7.87 | 292/11.5 |
| 8K-14K | B | 802/31.57 | 200/7.87 | 295/11.61 |
| 12K-21K | C | 971/38.23 | 228/8.98 | 321/12.64 |
| 18K-28K | D | 1082/42.6 | 234/9.21 | 337/13.27 |
| 27K-36K | F | 1259/49.57 | 283/11.14 | 362/14.25 |

GENERAL FEATURES:

- * Ultra-Quiet Operation
- * Random swing, airflow direction control
- * Self-Diagnostics, LCD display
- * Auto restart operation
- * Remote control include
- * Dehumidifier mode
- * Refrigerant leakage detect
- * Local service parts stock in BC, Canada



DETAIL A
SCALE 1:2



ARHI No.208121843