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|--|------------------------------|-------|--|----------------------------|
| Indoor Unit Model | | | MSAGAU-09HRFN8-QRD1GW | MSAGBU-12HRFN8-QRD1GW |
| Outdoor Unit Model | | | MOX133-09HFN8-QRD1GW | MOX133-12HFN8-QRD1GW |
| Power supply | V- Ph-Hz | | 220~240-1-50 | 220~240-1-50 |
| Rated Power Input | W | | 2150 | 2150 |
| Rated Current | A | | 10 | 10 |
| Compressor | Model | | KSK103D32UEZ31 | KSK103D32UEZ31 |
| | Type | | ROTARY | ROTARY |
| | Brand | | GMCC | GMCC |
| | Capacity | W | 2020/3245 ±3% | 2020/3245 ±3% |
| | Input | W | 332/850 ±3% | 332/850 ±3% |
| | Rated current(RLA) | A | 2.42/5.70 ±3% | 2.42/5.70 ±3% |
| | Locked rotor Amp(LRA) | A | / | / |
| | Thermal protector | | / | / |
| | Thermal protector position | | NA | NA |
| | Capacitor | uF | / | / |
| | Refrigerant oil/oil charge | ml | ESTER OIL VG74 280 ±10 | ESTER OIL VG74 280 ±10 |
| Indoor fan motor | Model | | ZKFP-30-8-357L | ZKFP-30-8-357L |
| | Input | W | 27.1 | 27.1 |
| | Output | W | 30 | 30 |
| | Capacitor | uF | / | / |
| | Speed(Hi/Mi/Lo) | r/min | 1050/910/700 | 1100/950/700 |
| Indoor coil | Number of rows | | 2 | 2 |
| | Tube pitch(a)x row pitch(b) | mm | 21x13.37 | 19.5x11.6 |
| | Fin spacing | mm | 1.2/1.3 | 1.3 |
| | Fin type (code) | | Hydrophilic aluminum | Hydrophilic aluminum |
| | Tube outside dia.and type | mm | Φ7,Inner groove tube | Φ5,Inner groove tube |
| | Coil length x height x width | mm | 525x84x13.37+ 525x105x26.74+ 525x105x26.74 | 607x195x23.2+ 607x117x23.2 |
| | Number of circuits | | 2 | 3 |
| Indoor air flow (Hi/Mi/Lo) | | m3/h | 460/330/260 | 570/490/450 |
| Indoor sound pressure level (Hi/Mi/Lo) | | dB(A) | 37/32/25// | 40.5/37.5/24/20 |
| Indoor sound power level | | dB(A) | 52 | 56 |
| Indoor unit | Dimension(W*D*H) | mm | 726x210x291 | 835x208x295 |
| | Packing (W*D*H) | mm | 790x270x375 | 905x355x290 |
| | Net/Gross weight | kg | 7.7/9.9 | 8.2/10.9 |
| Outdoor fan motor | Model | | ZKFN-25-10-5L | ZKFN-25-10-5L |
| | Input | W | 77.45 | 77.45 |
| | Output | W | 25 | 25 |
| | Capacitor | uF | / | / |
| | Speed | r/min | 780/600 | 780/600 |

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|------------------------------|------------------------------|-----------|------------------------|------------------------|
| Outdoor coil | Number of rows | | 1 | 1 |
| | Tube pitch(a)x row pitch(b) | mm | 19.5x11.6 | 18x17.3 |
| | Fin spacing | mm | 1.3 | 1.3 |
| | Fin type (code) | | Hydrophilic aluminum | Hydrophilic aluminum |
| | Tube outside dia.and type | mm | Φ5,Inner groove tube | Φ5,Inner groove tube |
| | Coil length x height x width | mm | 745x468x17.3 | 745x468x17.3 |
| | Number of circuits | | 3 | 3 |
| Outdoor air flow | | m3/h | 1750 | 1750 |
| Outdoor sound pressure level | | dB(A) | 55 | 54.5 |
| Outdoor sound power level | | dB(A) | 60 | 64 |
| Outdoor unit | Dimension(W*D*H) | mm | 720x270x495 | 720x270x495 |
| | Packing (W*D*H) | mm | 835x300x540 | 835x300x540 |
| | Net/Gross weight | kg | 21/22.8 | 21/22.8 |
| Refrigerant | Type | | R32 | R32 |
| | GWP | | 675 | 675 |
| | Charged quantity | kg | 0.47 | 0.52 |
| Design pressure | | MPa | 4.3/1.7 | 4.3/1.7 |
| Refrigerant piping | Liquid side/ Gas side | mm (inch) | Φ6.35/Φ9.52(1/4"/3/8") | Φ6.35/Φ9.52(1/4"/3/8") |
| | Max. refrigerant pipe length | m | 25 | 25 |
| | Max. difference in level | m | 10 | 10 |
| Connection wiring | | | 1.5x5Core | 1.5x5Core |
| Plug type | | | 1.5x3/no-plug | 1.5x3/no-plug |
| Thermostat type | | | Remote Control | Remote Control |
| Operation temperature | | | 16-30 | 16-30 |
| Ambient temperature | Indoor(cooling/ heating) | °C | 16-32/0-30 | 16-32/0-30 |
| | Outdoor(cooling/heating) | °C | -15-50/-20-24 | -15-50/-20-24 |
| Qty'per 20' /40' /40'HQ | | | 138/282/312 | 125/256/284 |

Notes:

1) Capacities are based on the following conditions:

Cooling(T1): - Indoor Temperature 27°C(80.6°F) DB /19 °C(66.2°F) WB

-Outdoor Temperature 35 °C(95°F) DB /24 °C(75.2°F) WB

-Interconnecting Piping Length 5m

- Level Difference of Zero.

Heating: - Indoor Temperature 20°C(68°F) DB / 15°C(59°F) WB

-Outdoor Temperature 7°C(44.6°F) DB / 6°C(42.8°F) WB

- Interconnecting Piping Length 5 m

- Level Difference of Zero.

2) Capacities are Net Capacities.

3) Due to our policy of innovation some specifications may be changed without notification.

4) TDB Summer Outdoor: 35°C; TWB Summer Outdoor: 21,4°C; TDB Winter Outdoor: -0.8°C; RH Winter Outdoor: 90%.