

EQUIPMENT TECHNICAL SCHEDULE

Model Reference: *McRFD031x3063FOAIL200S1 R32*

Location: *External (Restaurant Unit) S1*

Arrangement: *Outside Air Inlet, Filters, DX Coil, Supply Fan (Controls Section)*

FAN SECTION

Air Volume: 3.11 m³/s
External Resistance: 400 Pa (max)
Type: 1 –off Ziehl GR56C Type, SISW, Direct Drive EC
Motor Fitted Power: 3.5 kW
Full Load Current: 4.40 Amps
Starting Current: Inverter Controlled, 0-10Volt Signal
Electrical Supply: 400V / 3Ph / 50Hz
Fan Nozzle K-Factor: 308

FILTER SECTION

Type: Disposable Pleated Panel
Efficiency: G4 Rated efficiency when measured in accordance with B.S.EN 779
ISO Course 70% (ISO 16890)
Size: 594 mm x 494 mm x 48 mm (4-off)
Face Velocity: 2.64 m/s

COOLING COIL SECTION

Air Volume: 3.11 m³/s
Face Velocity: 2.37 m/s
Total Duty: 63 kW
On Coil: 27 °C dB / 48.0 % RH
Off Coil: 14.0 °C dB / 91 % RH
Medium: R32
Evap Temp: 8°C (dew point)
Rows/Fins: 5 Rows / 2.1 mm Fin Spacing
Max test pressure: 47 bar
Max operating pressure: 42 bar

UNIT ELECTRICAL DETAILS

Full Load Current (including remote condensing units): 72.9 Amps / Phase
Voltage: 400V / 3Ph / 50Hz

SOUND POWER LEVELS

S.W.L (dB) at Fan

Reference: 10⁻¹² Watts

| Octave Band Frequency (Hz) | 63 | 125 | 250 | 500 | 1K | 2K | 4K | 8K |
|-----------------------------|----|-----|-----|-----|----|----|----|----|
| Supply Fan Outlet – In Duct | 78 | 85 | 85 | 84 | 81 | 75 | 74 | 71 |
| Supply Fan Inlet | 73 | 80 | 81 | 77 | 72 | 70 | 69 | 67 |

Model Ref: *McRFD031x3063FOAIL200S1 R32* Continued

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| DIMENSIONS & WEIGHTS |
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Unit Dimensions: 2670mm Long (excluding Intake hood of 275mm) x 1500mm Wide x 1328mm High (Height includes Base frame and Weatherproof Roof)

Unit Weight: 675 kG (Approximate)