

EQUIPMENT TECHNICAL SCHEDULE

Model Reference: *McRFD019x2038IL120S2 R32*

Location: *External (Restaurant Unit) S2*

Arrangement: *Return/Outside Air Mixing Section, Filters, DX Coil, Supply Fan (Controls Section)*

FAN SECTION

Air Volume: 1.90 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 594 mm x 48 mm (2-off)
594 mm x 297 mm x 48 mm (2-off)
Face Velocity: 1.79 m/s

COOLING COIL SECTION

Air Volume: 1.90 m³/s
Face Velocity: 1.97 m/s
Total Duty: 38.03 kW
On Coil: 27 °C dB / 48.0 % RH
Off Coil: 13.67 °C dB / 92.4 % RH
Medium: R32
Evap Temp: 8°C (dew point)
Rows/Fins: 4 Rows / 2.3 mm Fin Spacing
Max test pressure: 47 bar
Max operating pressure: 42 bar

UNIT ELECTRICAL DETAILS

Full Load Current (including remote condensing units): 32.9 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	77	83	77	76	74	72	67	60
Supply Fan Inlet	75	80	73	69	66	66	62	55

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DIMENSIONS & WEIGHTS

Unit Dimensions: 2710 mm Long (excluding Intake hood of 275mm) x 1500mm Wide x 1198mm High (Height includes Base frame and Weatherproof Roof)

Unit Weight: 575 kG (Approximate)