

COOLING DUTY

- Chilled water temperature
- Duty (27°C ambient)
- Ambient temperature range for the standard design
- Chilled water temperature available in the standard design

Note: water chilled below +5°C will require antifreeze added.

°C	15
kW	2.9
°C	10 to 27
°C	10 to 25

REFRIGERATION SYSTEM

- Compressor
 - Type Hermetic
 - Nominal power (each) kW 0.9
 - Full load current (each) amps 9.5
 - Refrigerant type R407C
- Condenser unit
 - Air cooled condenser No. off One
 - Material Aluminium/copper
 - Fan arrangement
 - No. off One
 - air flow m3/hr 1360
 - motor power kW 0.07
 - Full load current amps 0.8
 - or Water cooled condenser
 - Material Stainless steel
 - Water flow litres/hour 290
 - Pressure drop bar 0.22
- Evaporator
 - Material Copper
- Refrigeration controls: compressor over-temperature protection, refrigerant drier, expansion valve, high pressure switch.

WATER SYSTEM

- Bulk holding tank
 - Capacity litres 25
 - Material GRP
- Water pump
 - Water filling Manual
 - Type Horizontal multistage
 - Material Stainless steel
 - Flow m3/hr 0.84
 - Pressure bar 2.9
 - Motor power kW 0.56
 - Full load current amp 2.62
- Connections
 - Warm water INLET BSP female ½
 - Chilled water OUTLET BSP female ½
- Pipework
 - Material Copper/nylon

ELECTRICAL SYSTEM

- Mains supply for the standard design
 - Volt phase cycle 230/1/50
- Control
 - Voltage 230
- Total nominal power
 - kW 1.53
- Maximum starting load (per phase)
 - amp 12.92
- Safety fuse
 - amp 16
- Electrical controls: direct on line. Incorporates safety overload.
 - Remote control via volt free signal
 - Stop/start pushbuttons
 - Indicator lights
 - Power connection
- Protection rating IP54
 - Control signal
 - Unit On + Fault
 - Plug/socket to BS4343
 - Multipin plug/socket
- Collective fault/remote signal

NOISE LEVEL

@ 1m free field

dB'A'	53
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WEIGHT

Dry kg 175

Working kg 202

DIMENSIONS (mm)

Width 560

Depth 765

Height 1165

FINISH

Frame Antique BS4800 08B29

Panels Fawn BS4800 10B21

Mounting Castors

OPTIONS

Reinjection for high return water temperatures
 Low ambient kit
 Frost protection
 Close temperature control $\pm 0.5^{\circ}\text{C}$ or $\pm 0.1^{\circ}\text{C}$
 Control temperature parallel with ambient
 Stainless steel evaporator coil
 Systems suitable for deionised water

Water level switch
 Flow switch
 Pump isolation valves
 High pressure pumps
 Autofill by solenoid valve
 Twin inlets/outlets
 Insulation

Stainless steel tank
 Special electrical circuits
 24V DC control circuit
 Power supply various
 Commissioning