

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	4
°C	10 to 27
°C	10 to 25

REFRIGERATION SYSTEM

- Compressor
 - Type Hermetic
 - Nominal power (each) kW 1.1
 - Full load current (each) amps 11
 - Refrigerant type R407C
- Condenser unit
 - Air cooled condenser No. off Two
 - Material Aluminium/copper
 - Fan arrangement
 - No. off Two
 - air flow m3/hr 2720
 - motor power kW 0.07
 - Full load current amps 1.6
 - or Water cooled condenser
 - Material Stainless steel
 - Water flow litres/hour 400
 - Pressure drop bar 0.21
 - Material Copper
- Evaporator
- Refrigeration controls: compressor over-temperature protection, refrigerant drier, expansion valve, high pressure switch.

WATER SYSTEM

- Bulk holding tank
 - Capacity litres 50
 - Material GRP
 - Water filling Manual
- Water pump
 - Type Horizontal multistage
 - Material Stainless steel
 - Flow m3/hr 1.2
 - Pressure bar 3
 - Motor power kW 0.65
 - Full load current amp 2.9
- Connections
 - Warm water INLET BSP female ¾
 - Chilled water OUTLET BSP female ¾
 - Material Coppy/nylon/brass
- Pipework

ELECTRICAL SYSTEM

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

Volt phase cycle	230/1/50
Voltage	230
kW	4.21
amp	15.5
amp	20

NOISE LEVEL

@ 1m free field

dB'A'	54
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WEIGHT

Dry kg 220

Working kg 272

DIMENSIONS (mm)

Width 1000

Depth 764

Height 1070

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