

## COOLING DUTY

- Chilled water temperature
- Duty (32°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	10	15	20
kW	4.67	6.4	7.33
°C	10 to 42		
°C	10 to 20		

## REFRIGERATION SYSTEM

- Compressor
  - Type Hermetic scroll
  - Nominal power kW 3
  - Full load current amps 5.5
  - Refrigerant type R410A
- Condenser unit
  - Air cooled condenser
  - Material All aluminium
  - Air flow m3/hr 2900
  - Motor power kW 0.48
  - Full load current amps 0.8
- or
  - Water cooled condenser
  - Water flow litres/hour 1700
  - Pressure drop bar 0.45
  - Material Stainless steel
- Evaporator
- Refrigeration controls: compressor over-temperature protection, refrigerant drier, expansion valve, high/low pressure switch

## WATER SYSTEM

- Water system instruments
- Bulk holding tank
  - Capacity litres 26
  - Material\* Plastic
  - Water filling Manual
- Water pump
  - Type Horizontal multistage
  - Flow m3/hr 1.5
  - Pressure bar 3.3
  - Motor power kW 0.46
  - Full load current amp 1.2
  - Warm water INLET BSP female ¾
  - Chilled water OUTLET BSP female ¾
- Connections
- Digital electronic temperature display and control +/-1°C
- Permanent bypass

\*If heaters are fitted into tank it is manufactured of stainless steel

## ELECTRICAL SYSTEM

- Mains supply for the standard design
- Control
- Total nominal power
- Maximum load (per phase)
- Safety fuse
- Electrical controls: direct on line. Incorporates safety overload.
- Protection rating IP54
- Remote control via volt free signal
- Collective fault/remote signal

Volt phase cycle	400 / 3 / 50
Voltage	24VAC
kW	4.2
amp	7.8
amp	16

## NOISE LEVEL

@ 1m free field

dB'A'

68

## HEAT RECOVERY

From air or water cooled condenser

kW

9.0

## WEIGHT

Dry kg

117

Working kg

143

## DIMENSIONS (mm)

- Stainless steel frame
- Painted panels RAL5019

Width

720

Depth

823

Height

930

## OPTIONS

- Pressure gauge
- Level switch pump protection
- Level switch warning
- Water level gauge
- 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
- High ambient conditions
- Systems suitable for deionised water
- Flow switch
- Pump isolation valves
- High pressure pumps

- Pressure relief valve
- Autofill by solenoid valve
- Twin inlets/outlets
- Insulation
- Freeze stat
- Stainless steel tank
- Special electrical circuits

- 24V DC control circuit
- Power supply various
- Cable marking
- Harting connectors
- Commissioning