

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	10.67	12.7	14.67
°C	10 to 42		
°C	10 to 20		

REFRIGERATION SYSTEM

- Compressor
 - Type Hermetic scroll
 - Nominal power kW 5.7
 - Full load current amps 13.4
 - Refrigerant type R410A
- Condenser unit
 - Air cooled condenser
 - Material All aluminium
 - Air flow m3/hr 4300
 - Motor power kW 0.71
 - Full load current amps 1.4
- or
- Water cooled condenser
 - Water flow litres/hour 3300
 - Pressure drop bar 0.6
 - 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 2.4
 - Pressure bar 3.0
 - Motor power kW 0.46
 - Full load current amp 1.2
- Connections
 - Warm water INLET BSP female ¾
 - Chilled water OUTLET BSP female ¾
- 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	7.1
amp	13.4
amp	16

NOISE LEVEL

@ 1m free field

dB'A'

71

HEAT RECOVERY

From air or water cooled condenser

kW

19

WEIGHT

Dry kg

130

Working kg

156

DIMENSIONS (mm)

- Stainless steel frame
- Painted panels RAL5019

Width

720

Depth

835

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