

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	8.67	10.7	12.67
°C	10 to 42		
°C	10 to 20		

REFRIGERATION SYSTEM

- Compressor
 - Type Hermetic scroll
 - Nominal power kW 4.8
 - Full load current amps 8.2
 - 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 2600
 - 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 2.1
 - Pressure bar 3.1
 - 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	6
amp	10.5
amp	16

NOISE LEVEL

@ 1m free field

dB'A'

68

HEAT RECOVERY

From air or water cooled condenser

kW

16

WEIGHT

Dry kg

130

Working kg

156

DIMENSIONS (mm)

- Stainless steel frame
- Painted panels RAL5019

Width

720

Depth

835

Height

930

OPTIONS

- | | | | |
|--|--|-----------------------------|------------------------|
| Pressure gauge | Close temperature control $\pm 0.5^\circ\text{C}$ or $\pm 0.1^\circ\text{C}$ | Pressure relief valve | 24V DC control circuit |
| Level switch pump protection | Control temperature parallel with ambient | Autofill by solenoid valve | Power supply various |
| Level switch warning | High ambient conditions | Twin inlets/outlets | Cable marking |
| Water level gauge | Systems suitable for deionised water | Insulation | Harting connectors |
| Reinjection for high return water temperatures | Flow switch | Freeze stat | Commissioning |
| Low ambient kit | Pump isolation valves | Stainless steel tank | |
| Frost protection | High pressure pumps | Special electrical circuits | |