TECHNICAL DATA SHEET

SCU1

COOLING DUTY

• Chilled water temperature	°C	15
• Duty (27°C ambient)	kW	1.40
• Ambient temperature range for the standard design	°C	10 to 27
• Chilled water temperature available in the standard design	°C	10 to 25

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

REFRIGERATION SYSTEM

• Compressor	Type		Hermetic
	Nominal power (each)	kW	0.55
	Full load current (each)	amps	8.0
	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	140
	Pressure drop	bar	0.15
• 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 filling		Manual
• Water pump	Type		Horizontal multistage
	Material		Stainless steel
	Flow	m3/hr	0.7
	Pressure	bar	3.0
	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	1.18
• Maximum starting load (per phase)	amp	11.42
• Safety fuse	amp	16

- 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

NOISE LEVEL

@ 1m free field — dB'A' : 53

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 ±0.5°C or ±0.1°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