TECHNICAL DATA SHEET

RCU 0 - 1

COOLING DUTY

		RCU0	RCU1
• Air/water on condenser at 28°C – chilled water at 15°C	Kcal/hr x 1000	0.375	0.625
	kW	0.44	0.73
• Ambient temperature range for the standard design	°C	+5°C to +35°C	
• Chilled water temperature available in the standard design	°C	+20°C to -5°C	

Note: water chilled below +5°C will require antifreeze and the cooling capacity will be reduced.

REFRIGERATION SYSTEM

• Compressor		Type		Hermetic	Hermetic
		Nominal power	kW	0.18	0.25
		Refrigerant type		R407C	R407C
		Sump heater	Watts	N/A	N/A
• Condenser unit	-	Air cooled condenser	No. off	1	1
		Surface area	m2	0.075	0.079
		Rejection capacity	Kcal/hr x 1000	0.528	0.838
		Fan arrangement	No. off	1	1
		diameter	mm	222	222
		speed	rpm	1375	1375
		air flow	m3/hr	340	340
		motor power	kW	0.01	0.01
-	or	Water cooled condenser	No. off	1	1
		Rejection capacity	Kcal/hr x 1000	0.528	0.838
		Water flow	m3/hr	0.1	0.16
		Pressure drop	bar	0.3	0.3
• Evaporator			Type	Copper tube	

• Refrigeration controls: control thermostat, compressor over-temperature protection, refrigerant drier, capillary expansion system

WATER SYSTEM

• Water system instruments	Temperature gauge			
• Bulk holding tank	Capacity	litres	18	18
	Water or glycol filling point		Manual filling from exterior	
	Overflow	male BSP	N/A	N/A
• Water pump	Type		Centrifugal	Centrifugal
	Flow	m3/hr	0.14	0.14
	Pressure	bar	0.2	0.2
	Motor power	kW	0.018	0.018
• connections	Warm water INLET	male BSP	3/8”	3/8”
	Chilled water OUTLET	male BSP	3/8”	3/8”

ELECTRICAL SYSTEM

• Mains supply for the standard design	Volt phase cycle	240-1-50	
• Control supply	Volt phase cycle	240-1-50	
• Total nominal power	kW	0.4	0.65
• Maximum starting load (per phase)	Amp	19	21
• Full load under normal operation (per phase)	Amp	4.2	4.6

• Electrical controls: direct on line. Incorporates safety overload.

HEAT RECOVERY	From air or water cooled condenser	kW	0.62	0.98
DRY WEIGHT		kg	60	63
DIMENSIONS (mm)		Width	386	386
		Depth	535	535
		Height	617	617

OPTIONS

Close temperature control ±0.5°C
Control temperature parallel with ambient
Fluid temperature up to 40°C
High ambient conditions
Stainless steel evaporator coil
Systems suitable for deionised water
High water flow
Low water flow
High pressure pumps
Twin pumps
Stainless steel tank
Remote control
Special electrical circuits
24V control circuit

See separate data sheet for Potable Water (PB) applications.