

## COOLING DUTY

- Chilled emulsion temperature 'E' range (maximum oil 5%)
- Chilled oil temperature 'O' range (maximum viscosity ISO-VG32)
- Ambient temperature range for the standard design
- Chilled fluid temperature available in the standard design

Emulsion	°C	10	15	20
	kW	3.6	4.4	4.9
Oil	°C	15	20	25
	kW	3.3	4.4	4.9
	°C	10 to 42		
	°C	10 to 20		

Duties shown are for ambients up to 32°C

## REFRIGERATION SYSTEM

Compressor	Type	Hermetic scroll	
	Nominal power	kW	2.0
	Full load current	amps	3.7
	Refrigerant type	R134A	
Condenser unit	Air cooled condenser	No. off	One
	Material	All aluminium	
	Air flow	m3/hr	4500
	Motor power	kW	0.71
	Full load current	amps	1.4
	- or	Water cooled condenser	litres/hour
	Water flow	bar	0.3
	Pressure drop		
Agitator	Nominal power	watts	40
	Full load current	amps	0.18
Evaporator		Material	Stainless steel
	Refrigeration controls: compressor over-temperature protection, refrigerant drier, expansion valve, high/low pressure switch		

## ELECTRICAL SYSTEM

<ul style="list-style-type: none"> <li>Mains supply for the standard design</li> <li>Control</li> <li>Total nominal power</li> <li>Maximum load (per phase)</li> <li>Safety fuse</li> <li>Electrical controls: direct on line. Incorporates safety overload.</li> <li>Protection rating IP54</li> </ul>	Volt phase cycle	400 / 3 / 50	
	Voltage	24VAC	
	kW	3	
	amp	5.6	
	amp	16	
	<ul style="list-style-type: none"> <li>Remote control via volt free signal</li> <li>Collective fault/remote signal</li> </ul>		

<b>NOISE LEVEL</b>	@ 1m free field	dB'A'	74
--------------------	-----------------	-------	----

<b>HEAT RECOVERY</b>	From air or water cooled condenser	kW	5.4
----------------------	------------------------------------	----	-----

<b>WEIGHT</b>	Emulsion cooler	Dry kg	130
	Oil cooler	Dry kg	140

<b>DIMENSIONS (mm)</b>		Width	785
		Depth	785
	<ul style="list-style-type: none"> <li>Stainless steel frame</li> <li>Painted panels RAL 5019</li> </ul>	Overall height	1310
		Immersed coil depth - Emulsion	60
		Immersed coil depth - Oil	110

## OPTIONS

- Pressure gauge
- Low ambient kit
- Speed controlled compressor or fan
- Close temperature control  $\pm 0.5^\circ\text{C}$  or  $\pm 0.1^\circ\text{C}$
- Control temperature parallel with ambient
- High ambient conditions

- Flow switch
- High ambient conditions (up to 50°C)
- Water cooled condenser
- Special electrical circuits
- Increased fan power for ducting
- 24V DC control circuit

- Power supply various
- Cable marking
- Harting connectors
- Commissioning