

## 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	7.0	8.2	9.1
Oil	°C	15	20	25
	kW	7.0	8.2	9.1
	°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	3.6
	Full load current	amps	5.8
	Refrigerant type	R410S	
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	1.40
	- or	Water cooled condenser	litres/hour
	Water flow	bar	0.4
	Pressure drop		
Agitator	Nominal power	watts	710
	Full load current	amps	1.4
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	4.6	
	amp	7.7	
	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
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<b>HEAT RECOVERY</b>	From air or water cooled condenser	kW	10
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<b>WEIGHT</b>	Emulsion cooler	Dry kg	140
	Oil cooler	Dry kg	150

<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	1410
		Immersed coil depth - Emulsion	80
		Immersed coil depth - Oil	150

## 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