

## 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	52.8	61.3	68.5
Oil	°C	15	20	25
	kW	52.8	61.3	68.5
	°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 22.9	
	Full load current	amps 38.4	
	Refrigerant type	R410A	
• Condenser unit	Air cooled condenser	No. off	One
	Material	All aluminium	
	Air flow	m3/hr	15500
	Motor power	kW	1.97
	Full load current	amps	3.4
	- or	Water cooled condenser	litres/hour
	Water flow	bar	0.25
	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	25.2		
		amp	Emulsion 42.3	Oil 42.5	
		amp	50		
			<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'	77
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<b>HEAT RECOVERY</b>	From air or water cooled condenser	kW	73
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<b>WEIGHT</b>	Emulsion cooler	Dry kg	340
	Oil cooler	Dry kg	440

<b>DIMENSIONS (mm)</b>		Width	Emulsion 1085	Oil 1605
		Depth	1085	
		Overall height	1940	
	• Stainless steel frame	Immersed coil depth - Emulsion	340	
	• Painted panels RAL 5019	Immersed coil depth - Oil	410	

## OPTIONS

Pressure gauge  
 Low ambient kit  
 Speed controlled compressor or fan  
 Close temperature control ±0.5°C or ±0.1°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