

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	22.1	26	28.7
Oil	°C	15	20	25
	kW	22.1	26	28.7
	°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	10.0
	Full load current	amps	16.9
	Refrigerant type	R410A	
• Condenser unit	Air cooled condenser	No. off	One
	Material	All aluminium	
	Air flow	m3/hr	6000
	Motor power	kW	0.71
	Full load current	amps	1.4
	- or	Water cooled condenser	litres/hour
	Water flow	bar	3.2
	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"> • Mains supply for the standard design • Control • Total nominal power • Maximum load (per phase) • Safety fuse • Electrical controls: direct on line. Incorporates safety overload. • Protection rating IP54 	Volt phase cycle	400 / 3 / 50		
		Voltage	24VAC	
		kW	11	
		amp	18.8	
		amp	25	
			<ul style="list-style-type: none"> • Remote control via volt free signal • Collective fault/remote signal 	

NOISE LEVEL	@ 1m free field	dB'A'	71
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HEAT RECOVERY	From air or water cooled condenser	kW	31
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WEIGHT	Emulsion cooler	Dry kg	270
	Oil cooler	Dry kg	330

DIMENSIONS (mm)		Width	1085	
		Depth	1085	
	<ul style="list-style-type: none"> • Stainless steel frame • Painted panels RAL 5019 		Overall height	1940
			Immersed coil depth - Emulsion	190
			Immersed coil depth - Oil	300

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