

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	44.3	52.1	57.4
Oil	°C	15	20	25
	kW	44.3	52.1	57.4
	°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	16.6
	Full load current	amps	28.2
	Refrigerant type	R410A	
Condenser unit	Air cooled condenser	No. off	One
	Material	All aluminium	
	Air flow	m3/hr	15500
	Motor power	kW	0.9
	Full load current	amps	32.3
	- or	Water cooled condenser	litres/hour
	Water flow	bar	0.21
	Pressure drop		
Agitator	Nominal power	watts	90
	Full load current	amps	0.45
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	18.9	
	amp	32.3	
	amp	35	
	<ul style="list-style-type: none"> Remote control via volt free signal Collective fault/remote signal 		

NOISE LEVEL	@ 1m free field	dB'A'	77
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HEAT RECOVERY	From air or water cooled condenser	kW	60
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WEIGHT	Emulsion cooler	Dry kg	330
	Oil cooler	Dry kg	420

DIMENSIONS (mm)	<ul style="list-style-type: none"> Stainless steel frame Painted panels RAL 5019 	Width	Emulsion 1085	Oil 1605
		Depth	1085	
		Overall height	1940	
		Immersed coil depth - Emulsion	340	
		Immersed coil depth - Oil	340	

OPTIONS

Pressure gauge	Flow switch	Power supply various
Low ambient kit	High ambient conditions (up to 50°C)	Cable marking
Speed controlled compressor or fan	Water cooled condenser	Harting connectors
Close temperature control $\pm 0.5^\circ\text{C}$ or $\pm 0.1^\circ\text{C}$	Special electrical circuits	Commissioning
Control temperature parallel with ambient	Increased fan power for ducting	
High ambient conditions	24V DC control circuit	