

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	39.6	46.2	52.5
Oil	°C	15	20	25
	kW	39.6	46.2	52.5
	°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 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	10800
Motor power	kW	1.63
Full load current	amps	2.86
- or	Water cooled condenser	
	Water flow	litres/hour 4400
	Pressure drop	bar 0.27
- Agitator

Nominal power	watts 40
Full load current	amps 0.18
- Evaporator

Material	Stainless steel
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- Refrigeration controls: compressor over-temperature protection, refrigerant drier, expansion valve, high/low pressure switch

ELECTRICAL SYSTEM

- 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 | Emulsion 18.5 | Oil 18.6 |
| amp | Emulsion 31.5 | Oil 31.7 |
| amp | 35 | |
- 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	55
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WEIGHT	Emulsion cooler	Dry kg	320
	Oil cooler	Dry kg	410

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	300	
		Immersed coil depth - Oil	240	

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