

## COOLING DUTY

- Chilled emulsion temperature 'W+E' range (maximum oil 5%)
- Chilled oil temperature 'O' range (maximum viscosity ISO-VG32)
- Ambient temperature range for the standard design
- Chilled water temperature available in the standard design

Duties shown are for ambients up to 32°C

<u>Water + Emulsion</u>		°C	10	15	20
°C	kW		8.67	10.7	12.67
<u>Oil</u>		°C	15	20	25
°C	kW		.67	10.7	12.67
°C			10 to 42		
°C			10 to 40		

## REFRIGERATION SYSTEM

Compressor	Type		Hermetic
	Nominal power	kW	4.8
	Full load current	amps	8.2
	Refrigerant type		R410A
Condenser unit	Air cooled condenser	no. off	One
	Material		All aluminium
	Air flow	m3/hr	2900
	Motor power	kW	0.48
	Full load current	amps	0.8
	- or	Water cooled condenser	litre/hour
Evaporator	Water flow	bar	0.4
	Pressure drop		
	Range 'W + E'	design material	Brazed plate Stainless steel
	Range 'O'	design material	Shell and tube cleanable Copper/stainless steel
	Refrigeration controls: compressor over-temperature protection, refrigerant drier, expansion valve, high/low pressure switch		

## FLUID CIRCULATING PUMP

		<u>Water + Emulsion</u>	<u>Oil</u>
Material		Stainless steel	Stainless steel
Type		Horizontal multistage	Horizontal multistage
Flow	m3/hr	3.5	3.5
Pressure	bar	1	1
Motor power	kW	0.46	0.85
Full load current	amps	1.2	2.2
Connections	BSPF	1¼	1½
	BSPF	1¼	1½

## ELECTRICAL SYSTEM

Mains supply for the standard design	Volt phase cycle	415-3-50	415-3-50
Control	Voltage	24VAC	24VAC
Total nominal power	kW	6.0	6.4
Maximum load (per phase)	amp	10.5	11.5
Safety fuse	amp	16	16
Electrical controls: direct on line. Incorporates safety overload.		<ul style="list-style-type: none"> <li>Remote control via volt free signal</li> <li>Collective fault/remote signal</li> </ul>	<ul style="list-style-type: none"> <li>Automatic fan control</li> </ul>
Protection rating IP54			

## NOISE LEVEL

@ 1m free field	dB'A'	71
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## HEAT RECOVERY

From air or water cooled condenser	kW	13	13
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## WEIGHT

<u>Water + Emulsion cooler</u>	Dry kg	125	<u>Oil cooler</u>	Dry kg	125
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## DIMENSIONS (mm)

<ul style="list-style-type: none"> <li>Stainless steel frame</li> <li>Painted panels RAL 5019</li> </ul>	Width	720	Depth	835	Height	930
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## OPTIONS

Pressure gauge	Flow switch	Refrigerant gauges
Low ambient kit	High ambient conditions (up to 50°C)	Power supply various
Speed controlled compressor or fan	Water cooled condenser	Cable marking
Close temperature control ±0.5°C or ±0.1°C	Special electrical circuits	Harting connectors
Control temperature parallel with ambient	24V DC control circuit	Commissioning
High ambient conditions	External on/off on unit	
Remote temperature control	Air filter blocked	