

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			11.8	13.9	15.4

<u>Oil</u>		°C	15	20	25
°C					
kW			11.8	13.9	15.4

°C	10 to 42	
°C	10 to 40	

REFRIGERATION SYSTEM

• Compressor	Type		Hermetic
	Nominal power	kW	5.7
	Full load current	amps	10.5
	Refrigerant type		R410A
• Condenser unit	Air cooled condenser	no. off	One
	Material		All aluminium
	Air flow	m3/hr	4300
	Motor power	kW	0.71
	Full load current	amps	1.4
	- or	Water cooled condenser	litre/hour
	Water flow	bar	0.3
• Evaporator	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	0.46
• Full load current	amps	1.2	1.2
• 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	7.1	7.5
• Maximum load (per phase)	amp	13.4	14.4
• Safety fuse	amp	16	16
• Electrical controls: direct on line. Incorporates safety overload.		<ul style="list-style-type: none"> • Remote control via volt free signal • Collective fault/remote signal 	<ul style="list-style-type: none"> • Automatic fan control
• Protection rating IP54			

NOISE LEVEL

@ 1m free field	dB'A'	74
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HEAT RECOVERY

From air or water cooled condenser	kW	16	16
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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)

• Stainless steel frame	Width	720	Depth	835	Height	930
• Painted panels RAL 5019						

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	