

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

Water + Emulsion

°C	10	15	20
kW	5.2	6.2	6.9

Oil

°C	15	20	25
kW	5.2	6.2	6.9

°C	10 to 42		
°C	10 to 40		

REFRIGERATION SYSTEM

- Compressor

Type	Hermetic
Nominal power	kW 3.0
Full load current	amps 5.5
Refrigerant type	R410A

- Condenser unit

Air cooled condenser	no. off	One
Material	All aluminium	
Air flow	m3/hr	W+E = 2900 O = 3300
Motor power	kW	0.48
Full load current	amps	0.8

- or

Water cooled condenser	litre/hour	600
Water flow	bar	0.2
Pressure drop		

- Evaporator

Range 'W + E'	design	Brazed plate
	material	Stainless steel
Range 'O'	design	Shell and tube cleanable
	material	Copper/stainless steel

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

FLUID CIRCULATING PUMP

- Material
- Type
- Flow
- Pressure
- Motor power
- Full load current
- Connections

Water + Emulsion

	Stainless steel
	Horizontal multistage
m3/hr	3.5
bar	1
kW	0.46
amps	1.2
BSPF	1¼
BSPF	1¼

Oil

	Stainless steel
	Horizontal multistage
m3/hr	3.5
bar	1
kW	0.85
amps	2.22
BSPF	1½
BSPF	1½

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	415-3-50
Voltage	24VAC
kW	4.2
amp	7.8
amp	16

Volt phase cycle	415-3-50
Voltage	24VAC
kW	4.6
amp	8.8
amp	16

- Remote control via volt free signal
- Collective fault/remote signal

- Automatic fan control

NOISE LEVEL

@ 1m free field

dB'A'	73
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HEAT RECOVERY

From air or water cooled condenser kW

	7.5
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	7.5
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WEIGHT

Water + Emulsion cooler

Dry kg	117
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Oil cooler

Dry kg	117
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DIMENSIONS (mm)

- Stainless steel frame
- Painted panels RAL 5019

Width	720
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Depth	835
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Height	930
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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
- Remote temperature control

- Flow switch
- High ambient conditions (up to 50°C)
- Water cooled condenser
- Special electrical circuits
- 24V DC control circuit
- External on/off on unit
- Air filter blocked

- Refrigerant gauges
- Power supply various
- Cable marking
- Harting connectors
- Commissioning