

## 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			10	15	20
kW			6.6	7.8	8.7
<u>Oil</u>		°C	15	20	25
°C			15	20	25
kW			6.6	7.8	8.7
°C		10 to 42			
°C		10 to 40			

## REFRIGERATION SYSTEM

- Compressor
- Condenser unit
- or
- Evaporator

Type		Hermetic
Nominal power	kW	3.6
Full load current	amps	5.8
Refrigerant type		R410A
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
Water cooled condenser	litre/hour	700
Water flow	bar	0.2
Pressure drop		
Range 'W + E'	design	Brazed plate
	material	Stainless steel
Range 'O'	design	Brazed plate
	material	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

	<u>Water + Emulsion</u>	<u>Oil</u>
	Stainless steel	Stainless steel
	Horizontal multistage	Horizontal multistage
m3/hr	3.5	3.5
bar	1	1
kW	0.46	0.85
amps	1.2	2.22
BSPF	1¼	1½
BSPF	1¼	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

	<u>Water + Emulsion</u>	<u>Oil</u>
Volt phase cycle	415-3-50	415-3-50
Voltage	24VAC	24VAC
kW	5	5.2
amp	8.7	9.1
amp	16	16

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

- Automatic fan control

## NOISE LEVEL

@ 1m free field

dB'A'	71
-------	----

## HEAT RECOVERY

From air or water cooled condenser kW

	9	9
--	---	---

## WEIGHT

Water + Emulsion cooler Dry kg

	119
--	-----

Oil cooler Dry kg

	119
--	-----

## DIMENSIONS (mm)

- Stainless steel frame
- Painted panels RAL 5019

Width 720

Depth 835

Height 930

## OPTIONS

- Pressure gauge
- Low ambient kit
- Speed controlled compressor or fan
- Close temperature control ±0.5°C or ±0.1°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