

## 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

Duties shown are for ambients up to 32°C

Emulsion	°C	10	15	20
	kW	0.67	1.05	1.42
Oil	°C	15	20	25
	kW	0.67	1.05	1.42
	°C	10 to 42		
	°C	10 to 25		

## REFRIGERATION SYSTEM

• Compressor	Type	Hermetic scroll	
	Nominal power	kW	1.00
	Full load current	amps	1.5
	Refrigerant type	R134A	
• Condenser unit	Air cooled condenser	No. off	One
	Material	Aluminium / copper	
	Air flow	m3/hr	2900
	Motor power	kW	0.14
	Full load current	amps	0.42
	- or	Water cooled condenser	litres/hour
	Water flow	bar	0.2
	Pressure drop		
• Agitator	Nominal power	watts	90
	Full load current	amps	0.45
• Evaporator	Material	Stainless steel	
• Refrigeration controls: compressor over-temperature protection, refrigerant drier, expansion valve, high 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	230 VAC
kW	1.5
amp	2.7
amp	10

## NOISE LEVEL

@ 1m free field

dB'A'

70

## HEAT RECOVERY

From air or water cooled condenser

kW

2

## WEIGHT

Emulsion cooler

Dry kg

81

Oil cooler

Dry kg

81

## DIMENSIONS (mm)

- Stainless steel frame
- Painted panels RAL 5019

Width	757
Depth	609
Overall height	827
Immersed coil depth - Emulsion	70
Immersed coil depth - Oil	110

## OPTIONS

Close temperature control  $\pm 0.5^\circ\text{C}$  or  $\pm 0.1^\circ\text{C}$   
 Control temperature parallel with ambient  
 Common fault alarm  
 Single fault alarm  
 High ambient conditions (up to  $50^\circ\text{C}$ )  
 Water cooled condenser  
 Special electrical circuits

24V DC control circuit  
 Remote control  
 High/low temperature alarms  
 Power supply various  
 Cable marking  
 Harting connectors  
 Heating

RC Circuit  
 Air filter dirty  
 Tropicalisation  
 Special evaporator design  
 Commissioning