

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

| | | | | |
|----------|----|----------|------|------|
| Emulsion | °C | 10 | 15 | 20 |
| | kW | 17.6 | 20.7 | 22.4 |
| Oil | °C | 15 | 20 | 25 |
| | kW | 17.6 | 20.7 | 22.4 |
| | °C | 10 to 42 | | |
| | °C | 10 to 20 | | |

Duties shown are for ambients up to 32°C

REFRIGERATION SYSTEM

| | | | |
|----------------|------------------------------------------------------------------------------------------------------------------------------|------------------------|-----------------|
| Compressor | Type | Hermetic scroll | |
| | Nominal power | kW | 7.4 |
| | Full load current | amps | 15.2 |
| | Refrigerant type | R410A | |
| Condenser unit | Air cooled condenser | No. off | One |
| | Material | All aluminium | |
| | Air flow | m3/hr | 6000 |
| | Motor power | kW | 0.71 |
| | Full load current | amps | 1.4 |
| | - or | Water cooled condenser | litres/hour |
| | Water flow | bar | 0.35 |
| | Pressure drop | | |
| Agitator | Nominal power | watts | 40 |
| | Full load current | amps | 0.18 |
| Evaporator | | Material | Stainless steel |
| | Refrigeration controls: compressor over-temperature protection, refrigerant drier, expansion valve, high/low pressure switch | | |

ELECTRICAL SYSTEM

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|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|--------------|--|
| <ul style="list-style-type: none"> 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 | 24VAC | |
| | kW | 8.4 | |
| | amp | 17.1 | |
| | amp | 20 | |
| | <ul style="list-style-type: none"> Remote control via volt free signal Collective fault/remote signal | | |

| | | | |
|--------------------|-----------------|-------|----|
| NOISE LEVEL | @ 1m free field | dB'A' | 71 |
|--------------------|-----------------|-------|----|

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|----------------------|------------------------------------|----|------|
| HEAT RECOVERY | From air or water cooled condenser | kW | 24.5 |
|----------------------|------------------------------------|----|------|

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|---------------|-----------------|--------|-----|
| WEIGHT | Emulsion cooler | Dry kg | 260 |
| | Oil cooler | Dry kg | 310 |

| | | | |
|------------------------|----------------------------------------------------------------------------------------------------------|--------------------------------|------|
| DIMENSIONS (mm) | | Width | 1085 |
| | | Depth | 1085 |
| | <ul style="list-style-type: none"> Stainless steel frame Painted panels RAL 5019 | Overall height | 1940 |
| | | Immersed coil depth - Emulsion | 140 |
| | | Immersed coil depth - Oil | 250 |
| | | | |

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

Flow switch
 High ambient conditions (up to 50°C)
 Water cooled condenser
 Special electrical circuits
 Increased fan power for ducting
 24V DC control circuit

Power supply various
 Cable marking
 Harting connectors
 Commissioning