TECHNICAL DATA SHEET TRK-CHILLY 25

COOLING DUTY

• Chilled emulsion temperature 'E' range (maximum oil 5%)	Emulsion	°C	10	15	20
		kW	1.65	2.0	2.48
• Chilled oil temperature 'O' range (maximum viscosity ISO-VG32)	Oil	°C	15	20	25
		kW	1.65	2.0	2.48
• Ambient temperature range for the standard design		°C	10 to 42		
• Chilled fluid temperature available in the standard design		°C	10 to 25		

Duties shown are for ambients up to 32°C

REFRIGERATION SYSTEM

• Compressor	Type		Hermetic scroll
	Nominal power	kW	1.3
	Full load current	amps	1.2
	Refrigerant type		R407C
• Condenser unit	Air cooled condenser	No. off	One
	Material		Aluminium / copper
	Air flow	m3/hr	2900
	Motor power	kW	0.17
	Full load current	amps	0.37
- or	Water cooled condenser		
	Water flow	litres/hour	260
	Pressure drop	bar	0.23
• 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	Volt phase cycle	400 / 3 / 50
• Control	Voltage	230 VAC
• Total nominal power	kW	1.7
• Maximum load (per phase)	amp	3.3
• Safety fuse	amp	10

- Electrical controls: direct on line. Incorporates safety overload.
- Protection rating IP54

NOISE LEVEL

@ 1m free field — dB'A' — 70

HEAT RECOVERY

From air or water cooled condenser — kW — 2.6

WEIGHT

Emulsion cooler	Dry kg	81
Oil cooler	Dry kg	82

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 ±0.5°C or ±0.1°C
Control temperature parallel with ambient
Common fault alarm
Single fault alarm
High ambient conditions (up to 50°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