

TECHNICAL DATA SHEET

REEFER (COOL) TANK: up to 24000-Litre UN Portable Tank T7/ T11
6058mm x 2438mm x 2591mm, Full frame Collar Type
6.0 bar test pressure, insulated, with Reefer Cooling System

Dimensions:		
	Metric	Imperial
Capacity	up to 24000 LTR	(6340 US GALLONS) 5280 GALLONS
Maximum Gross Weight	36000 KG	74956 LBS
Tare	4700 KG	8113 LBS
Construction:		
Working Pressure	4.0 bar	58 psi
Test Pressure	6.0 bar	87 psi
Steam Working Pressure	4.0 bar	58 psi
Steam Test Pressure	6.0 bar	87 psi
Relief Valve Set Pressure	4.4 bar	63 psi
Ambient Temp. Range	-40°C to +65°C	-40°F to +149°F
Maximum Cargo Temp	130°C	248°F
Shell Material	Stainless steel, ASTM A240 304 low carbon <0.03% DIN 17441 w1.4401. Cold rolled shell 2B finish. Thickness nominal 4.2mm shell +0.1 corrosion allowance, 4.65 ends, and equivalent 6mm mild steel in accordance with regulations.	
Design Code / Approvals	CSC, UIC, TIR, AAR 600 (Not registered)	
Standard Fittings:		
Manlid	500mm (20") diameter, 8 point fixing, 14mm x 12mm seal.	
Calibration	Volumetric stainless steel chart.	
Airline / Vapour	40mm (1½") ball valve Fort Vale, outlet 1½ " BSP, stainless steel screw cap.	
Relief Valve	80mm (3") DN65 flanged Fort Vale Mk111 super maxi high flow, operating pressure 4.4 bar, weld-in flange plugged provision for second flanged valve.	
Bottom Discharge	1 x 3" 45 deg Cleanflow Style bottom discharge valve assembly (footvalve, butterfly and cap) with 3" Camlock Provision	
Gaskets & Seals	Parts in contact with cargo, PTFE/Teflon.	
Steam Heating	6 runs giving 8.5m2 effective surface area, with 0.75" BSP inlet / outlet cap, Working Pressure at 4 Bar temperature 130°C.	
Cooling System	Klinge side mounted TCR-109 refrigeration system complete with glycol expansion tank and rear mounted control box	
Insulation	50 mm thick Polyurethane covered 1.8mm white GRP cladding	
Document Holder / Earth	Fitted rear end, suitable for shipping papers, MSDS etc. Earth located at rear.	
Data Plate / Markings	Stainless steel data plate detailing specifications fitted rear end.	
Temperature Gauge	80mm dia dual scale -20°C to 200°C / 0 to 400°F	
Walkway	"F" Style Marine Grade Aluminium Q grating with ladder on the right	
Forklift Pocket	ID 420 x 150 Saddle Style Corten Steel Forklift Pocket with side protection bar	
Options:		
Genset	Use Klinge front mounted TCR-104 refrigeration system and add NMG-112 genset (suitable for < 23 CBM capacity)	
Accessories	Datalogger; Heater unit	
T-Code	Can be upgraded to make it suitable to carry dangerous goods under T-code	

