

40' HC Refrigerated Container for -40°C

PERFORMANCE

TECHNICAL DATA

GENERAL		TECHNICAL SPECIFICATIONS	
ISO 6346 type	45R1	Air (Q) and Heat (U) Leakages	The air leakage is approximately 6 m ³ /hr. when the inside pressure of the container is 25.4 mm water column. The total heat loss of the container is approximately 48.3 watt/°K (41.5 kcal/hr) at mean insulation wall temperature of 20°C.
Operational Environment	The container is designed and manufactured for the carriage of chilled, fresh and frozen products at ambient temperature from +50°C to -30°C without effect on the strength of the structure. A Magnum Plus refrigeration unit of a "one piece picture frame type" will be fitted to the front end frame. The container is designed with a refrigeration unit to maintain the inside space temperature at +30°C to -40°C	Insulation Material	Cyclo Pentane blown rigid polyurethane foam; Flammability SE class (Self-extinguishing). In foamed sandwich panels where acrylic adhesive is coated on the inner surface of aluminum panels and stainless steel inner linings.
Standard and Regulations	The containers comply with following authorized standards and regulations: ABS, Bureau Veritas, Lloyds Register, ISO/TC-104, ISO1496-2, ISO-668, TIR, CSC. The containers will be constructed to be capable of being handled without permanent deformation on following basis: Lifting, loaded or empty, at top corner fittings vertically by means of spreaders fitted with hooks, shackles or twist-locks. Lifting, loaded or empty, at bottom corner fittings using slings with terminal fittings at any angle between vertical and 45 degrees to the horizontal.		

DIMENSIONS AND WEIGHTS		FEATURES	
General	Dimensions are rated at standard temperature of 20 °C (68 °F). Max. Gross Weight (R) kg / lbs 34,000 74,957 Tare Weight (T) kg / lbs 4,050 8,929 Payload (P) kg / lbs 29,950 66,028 External dimensions: Length 12,192 mm 480.0 inch Width 2,438 mm 96.0 inch Height 2,896 mm 114.0 inch Internal dimensions: Length 11,584 mm 456.1 inch Width 2,284 mm 89.9 inch Height 2,603 mm 102.5 inch	Door access	Double door CSS special using locking rods w/quick entry. Width 2,290 mm (90.15") * 2,569 mm (101.14"). Cargo access height: 2,560 mm (100.78").
		Escape door	Escape door build into door. Possible to open from inside if man-trapped
		Floor	The floor is composed of corrugated sub-floor and floor flat with reversed T-shaped floor-board with insulation of polyurethane. The corrugated sub-floor is welded to the lower bottom side rails. Four (4) drain holes are provided at the front and rear end of the container. There is the float valve in the drain cover, which adjusts water in and out automatically. Floor Flat Reversed T-shaped extruded aluminum, flat surface is 30 mm high.
		Configuration	Internal light. Power on/off outside container Unit off button with timer relay Curtain tracks installed Man-trap alarm button. Audio using buzzer + Visual with red flashing lamp
		Optional	Door ramp per customer requirement