



INSULATION DESIGN: Polyurethane (PUR) foam with Cyclopentane (non-CFC) blowing agent: $\lambda = 0.022 \text{ W/m.K}$

LOCATION	Thickness mm	U-Value W/m ² .K	R-Value (SI) K.m ² /W	R-Value (I-P) °F.ft ² .h/BTU	R-Value (I-P) per inch
ROOF	80	0.275	3.636	20.655	6.558
WALL	58	0.379	2.636	14.975	6.558
FLOOR	113	0.196	5.114	29.045	6.558
DOOR	74	0.297	3.364	19.105	6.558

NOTE: Imperial expressed R-Values (e.g. USA) are a factor of 5.68 x Metric R-Values (e.g. Europe)

CLASSIFICATION		DIMENSION	
EXTERNAL	LENGTH	6,058 mm (+0/-6)	20 ft
	WIDTH	2,438 mm (+0/-5)	8 ft
	HEIGHT	2,591 mm (+0/-5)	8ft 6in
INTERNAL	LENGTH	5,792 mm (+0/-12)	
	WIDTH	2,294 mm (+0/-10)	
	HEIGHT	2,279 mm (+0/-10)	
DOOR OPENING	WIDTH	2,294 mm (+0/-10)	
	HEIGHT	2,231 mm (+0/-10)	
CARGO ACCESS HEIGHT		2,227 mm (+0/-10)	
INTERNAL CUBIC CAPACITY		30.3 m ³	1,070 ft ³
MAX. GROSS WEIGHT		30,480 kg	67,200 lbs
TARE WEIGHT (±2%)		2,700 kg	5,950 lbs
MAX. PAYLOAD		27,780 kg	61,250 lbs
STACKING TEST LOAD		97,200 kgf/post	214,290 lbf/post
FLOOR STRENGTH		7,260 kg	16,000 lbs
HEAT LEAKAGE (U20)		27.3 W/K	23.5 kcal/hr°C
AIR LEAKAGE (1" WGP)		2.0 m ³ /h	71 ft ³ /hr

PART NAME		MATERIAL	REMARK	
FRAME	SIDE TOP RAIL	SPA-H	4.0 mm	
	SIDE BOTTOM RAIL	SPA-H	4.0 mm	
	END FRAME	SPA-H	3.0/4.0/6.0 mm	
	FORK POCKET	SPA-H	4.0 mm	
PANEL	ROOF	MGSS	0.8 & 1.0mm	
	SIDE	MGSS	1.0 mm	
	DOOR	MGSS	1.6 mm	
	SUB-FLOOR	MAIN	SPA-H	1.6 mm
		ROOF	AA5052-H16/H46	0.8 mm
	INSIDE LINING	SIDE	AA6061-T6	2.67 mm
		DOOR	BN4 or eq. SS	0.7 mm
FLOOR (FLAT)		AA6061-T6	H30	
CORNER FITTING		SCW 480	H118 x W162 x L178	
INSULATION		POLYURETHANE	0.022 W/m.k	
DOOR HARDWARE		HOT DIP GALVANIZED STEEL		

DRAWN: Niall McDermott		DATE: 2024-09-29	
UNLESS OTHERWISE SPECIFIED: DIMENSIONS IN MILLIMETERS			
TITLE 20ft ISO Insulated Shipping Container with integrated Strut Channel framing General Arrangement Drawing			
DWG NO. SCP20886HT		REVISION: B	
A3	SHEET SCALE:1:50	SHEET 1 OF 1	