

Equipment Control Department

1. Introduction
2. Equipment
3. Container Number
4. Depreciated Value
5. Stuffing Plan
6. Hints for Reefer Cargo
7. Selection of Right Container
8. Temperature Conversion – Fahrenheit to/from Celsius
9. Terminals and Depots

Introduction

Equipment Control Division (ECD) is one of branches of Operation Department in CSCL (HK) Agency Co. Ltd. Its main function is to ensure that the local supply can accurately meet the equipment demand at various times i.e. ample supply at peak time while flexible reallocation at shoulder period. As CSCL has a rapid development in South China, ECD also needs to oversee and ensure the adequacy of regional supply.

Container seems a kind of homogenous product and ours have not a big difference from others. However, different shippers or consignees have their specific and unique requests. In order to meet these various demands and meanwhile reflect our enhanced service standard, ECD offers a wide of services including Pre-Trip Inspection, nominal containers, nominal pickup location, early pickup, unit reservation and so on.

Maintenance of equipment is also the main focus in our operation. In fact, we thoroughly understand how important it is for a clean and good equipment to our shipper. Therefore, we always oversee all our terminals and depots and ensure their inspection must follow our inspection guidelines.

Equipment



<u>General purpose 20' x 8' x 8'6"</u>		Steel	
		Millimetres	Feet
Internal Dimensions	Length	5,898	19'4 13/64"
	Width	2,352	7'8 19/32"
	Height	2,393	7'10 7/32"
Door Opening	Width	2,340	7'8 1/8"
	Height	2,280	7'5 49/64"
		Kilograms	Pounds
Weight	Max Gross	30 480	67 200
	Tare	3,650	8,440
	Max Payload	26,830	58,760
		Cube Metres	Cube Feet
Internal Capacity		33.2	1170

<u>General purpose 40' x 8' x 8'6"</u>		Steel	
		Millimetres	Feet
Internal Dimensions	Length	12,032	39'5 45/64"
	Width	2,352	7'8 19/32"
	Height	2,393	7'10 7/32"
Door Opening	Width	2,340	7'8 1/8"
	Height	2,280	7'5 49/64"
		Kilograms	Pounds
Weight	Max Gross	30,480	67,200
	Tare	3,830	8,050
	Max Payload	26,650	59,150

	Cube Metres	Cube Feet
Internal Capacity	67.7	2,390



<u>High cube 40' x 8' x 9'6"</u>		Steel	
		Millimetres	Feet
Internal Dimensions	Length	12,032	39'5 45/64"
	Width	2,352	7'8 19/32 "
	Height	2,698	8'10 7/32"
Door Opening	Width	2,340	7'8 1/8"
	Height	2,585	8'5 49/64"
		Kilograms	Pounds
Weight	Max Gross	30,480	67,200
	Tare	3,830	8,440
	Max Payload	26,500	58,760
		Cube Metres	Cube Feet
Internal Capacity		76.4	2700

<u>High cube 45' x 8' x 9'6"</u>		Steel	
		Millimetres	Feet
Internal Dimensions	Length	13,556	44'5 45/64"
	Width	2,352	7'8 19/32"
	Height	2,698	8'10 7/32"

Door Opening	Width	2,340	7'8 1/8"
	Height	2,585	8'5 49/64"
		Kilograms	Pounds
Weight	Max Gross	30,480	67,200
	Tare	4,700	10,360
	Max Payload	25,780	56,840



<u>Refrigerated 40' x 8' x 9'6"</u>		Steel		
		Millimetres	'	
Internal Dimensions	Length		11,590	38'19/64"
	Width		2,294	7'6 5/16"
	Height	Norminal	2,555	8'4 19/32"
		Usable	2,445	8'21/32"
Door Opening	Width		2,290	7'6 5/32"
	Height		2,569	8'5 9/64"
		Kilograms	Pounds	
Weight	Max Gross		30,480	67,200
	Tare		4,880	10,760
	Max Payload		25,600	56,440
		Cube Metres	Cube Feet	
Internal Capacity	Norminal		67.9	2,399
	Usable		65.3	2,307

<u>Refrigerated 20'x 8' x 8'6"</u>		Steel		
		Millimetres	Feet	
Internal Dimensions	Length	5,455	17'10 3/4"	
	Width	2,292	7'6 1/4"	
	Height	Normal	2,274	7'5 1/2"
		Usable	2,174	7'1 14/25"
Door Opening	Width	2,232	7'6 1/4"	
	Height	2,259	7'4 15/16"	
		Kilograms	Pounds	
Weight	Max Gross	30,480	67,200	
	Tare	3,000	6,610	
	Max Payload	27,480	60,590	
		Cube Metres	Cube Feet	
Internal Capacity	Normal	28.4	1,000	
	Usable	27.2	958	



<u>Open top 40' x 8' x 8'6"</u>		Steel	
		Millimetres	Feet
Internal Dimensions	Length	12,036	39'5 55/64"
	Width	2,352	7'8 19/32"
	Height	2,248	7'8 7/16"
Door Opening	Width	2,340	7'8 1/8"
	Height	2,280	7'5 49/64"
		Kilograms	Pounds
Weight	Max Gross	30,480	67,200

	Max Payload	26,680	58,820
		Cube Metres	Cube Feet
Internal Capacity		65.9	2.330

<u>Open top 20' x 8' x 8'6"</u>		Steel	
		Millimetres	Feet
Internal Dimensions	Length	5,900	19'4 9/32"
	Width	2,352	7'8 19/32"
	Height	2,350	7'8 33/64"
Door Opening	Width	2,340	7'8 1/8"
	Height	2,280	7'5 49/64"
		Kilograms	Pounds
Weight	Max Gross	30,480	67,200
	Tare	2,120	4,670
	Max Payload	28,360	62,530
		Cube Metres	Cube Feet
Internal Capacity		32.6	1,152



<u>Flatracks 40' x 8' x 8'6"</u>			Steel	
			Millimetres	Feet
Internal Dimensions	Length		12,180	39'11 17/32"
	Width		2,230	7'3 51/64"
	Height	Unfolded	1,955	6'4 31/32"
		Folded	647	2'1 15/32"
			Kilograms	Pounds

Weight	Max Gross	45,000	99,210
	Tare	5,000	11,020
	Max Payload	40,000	88,190
		Cube Metres	Cube Feet
Internal Capacity		53.1	1876.6

<u>Flatracks 20' x 8' x 8'6"</u>		Steel		
		Millimetres	Feet	
Internal Dimensions	Length		5,618	18'5 3/16"
	Width		2,230	7'3 13/16"
	Height	Unfolded	2,233	7'3 29/32"
		Folded	370	1'2 9/16"
		Kilograms	Pounds	
Weight	Max Gross		30,480	67,200
	Tare		2,750	6,060
	Max Payload		27,730	61,140
		Cube Metres	Cube Feet	
Internal Capacity		27.9	986	

Container Numbers

CONTAINER	CONTAINER
20'GP	CCLU2XXXXXX,CCLU3XXXXXX,SHXU2XXXXXX
20'HC	CCLU0XXXXXX
20'RF	CCLU1XXXXXX
20'OT	CCLU91XXXXX
20'FR	CCLU93XXXXX
40'GP	CCLU4XXXXXX,CCLU5XXXXXX,SHXU4XXXXXX
40'HC	CCLU6XXXXXX,CCLU75XXXXX
40'RH	CCLU85XXXXX
40'OT	CCLU92XXXXX
40'FR	CCLU94XXXXX

45'HC	CCLU99XXXX
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Depreciated Value

Total Loss Compensation Standard of China Shipping Equipment											
								Currency:		USD	
Equipment Age	20GP	40GP	40HC	20HC	45HC	20FR	40FR	20OT	40OT	20RF	40RH
0	3200	4300	5000	4600	6600	5500	7500	4000	5000	25000	33000
1	3040	4085	4750	4370	6270	5225	7125	3800	4750	23750	31350
2	2880	3870	4500	4140	5940	4950	6750	3600	4500	22500	29700
3	2720	3655	4250	3910	5610	4675	6375	3400	4250	21250	28050
4	2560	3440	4000	3680	5280	4400	6000	3200	4000	20000	26400
5	2400	3225	3750	3450	4950	4125	5625	3000	3750	18750	24750
6	2240	3010	3500	3220	4620	3850	5250	2800	3500	17500	23100
7	2080	2795	3250	2990	4290	3575	4875	2600	3250	16250	21450
8	1920	2580	3000	2760	3960	3300	4500	2400	3000	15000	19800
9	1760	2365	2750	2530	3630	3025	4125	2200	2750	13750	18150
10	1600	2150	2500	2300	3300	2750	3750	2000	2500	12500	16500
11	1440	1935	2250	2070	2970	2475	3375	1800	2250	12500	16500
12	1280	1720	2000	1840	2640	2200	3000	1600	2000	12500	16500
Lowest Replacement Value	1280	1720	2000	1840	2640	2200	3000	1600	2000	12500	16500

Stuffing Plan

Stuffing plan is a pre-requisite tool for efficiently loading cargo into container, no overflow or no wastage of space.

Use of pallets is a popular way for stuffing as this can enhance the efficiency of cargo handling. Below are some advice for palletization.

1. "Europallet" and Standard pallets are the two main types of pallet.

2. For Europallet, the size is 800mm x 1,200mm per piece. A 20'GP container can hold about 11 Europallet while a 40'GP can hold 23 to 24 Europallet in one tier.
3. For standard pallets, the size is 1,000mm x 1,200mm per piece. A 20'GP container can hold 9-10 standard pallet while a 40'GP can hold 20-21 standard pallets in one tier.
4. When storage of three tiers is used, it must ensure that the wooden pallets must be strong enough to uphold it.

Weight is also the factor for cargo stuffing. In many countries, there may be permissible weight limits for high way and rail transportation that are probably lower than the maximum payload a container can sustain.

Capacity of 20'GP and 40'GP reaches up to 30cbm and 60cbm respectively. However, the actual loading capacity also takes into consideration packaging material and experience of the stuffing personnel.

Hints for Reefer Cargo

Below are some hints for different stages of refrigerated shipment.

1. Factors need to be considered for refrigerated booking
 - Humidity requirement
 - Transport time
 - Volume of Cargo
 - Optimal temperature requirement
 - Fresh air ventilation requirement
 - Stowage pattern
 - Packaging materials and cartons
 - Documentation i.e. for local regulation
2. Factors need to be considered before and during stuffing
 - do not stow cargo over the red load line
 - set the reefer at the optimal temperature, ventilation and humidity level
 - evenly stow the cargo so as to ensure its weight distributed evenly and the floor is entirely covered
 - do not exceed the maximum payload of the container
 - if any, do not over the road limitation in any country during transport
 - place dunnage in the centre channel between pallets if pallet is used

- follow the frozen or chilled cargo requirement
3. Frozen cargo needs pre-freeze before stuffing and make sure the fresh-air ventilation is closed
 4. Chilled cargo needs pre-cool before stuffing and shippers have to set unit at carrying temperature and adjust fresh air ventilation required.

Selection of Right Container

Below information will give you some hints for selecting a right type and size of container for your commodity.

1. If liquid cargo, then use Tank Container
2. If over-width cargo, then use Flat Rack Container
3. If over-height cargo, then use Open Top Container
4. If temperature controlled cargo, then use Refrigerated Container
5. If not above-mentioned cargo, then
 - 20' Standard Container for heavy weight cargo
 - 40' Standard or High Cube Container for general cargo
 - 40' High Cube or 45' High Cube for light weight and voluminous cargo

Temperature Conversion – Fahrenheit to/from Celsius

°F	°C	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C
-20	-28.9	-3	-19.4	14	-10.0	31	-0.6	48	8.9	65	18.3
-19	-28.3	-2	-18.9	15	-9.4	32	0	49	9.4	66	18.9
-18	-27.8	-1	-18.3	16	-8.9	33	0.6	50	10.0	67	19.4
-17	-27.2	0	-17.8	17	-8.3	34	1.1	51	10.6	68	20.0
-16	-26.7	1	-17.2	18	-7.8	35	1.7	52	11.1	69	20.6
-15	-26.1	2	-16.7	19	-7.2	36	2.2	53	11.7	70	21.1
-14	-25.6	3	-16.1	20	-6.7	37	2.8	54	12.2	71	21.7
-13	-25.0	4	-15.6	21	-6.1	38	3.3	55	12.8	72	22.2

-12	-24.4	5	-15.0	22	-5.6	39	3.9	56	13.3	73	22.8
-11	-23.9	6	-14.4	23	-5.0	40	4.4	57	13.9	74	23.3
-10	-23.3	7	-13.9	24	-4.4	41	5.0	58	14.4	75	23.9
-9	-22.8	8	-13.3	25	-3.9	42	5.6	59	15.0	76	24.4
-8	-22.2	9	-12.8	26	-3.3	43	6.1	60	15.6	77	25.0
-7	-21.7	10	-12.2	27	-2.8	44	6.7	61	16.1	78	25.6
-6	-21.1	11	-11.7	28	-2.2	45	7.2	62	16.7	79	26.1
-5	-20.6	12	-11.1	29	-1.7	46	7.8	63	17.2	80	26.6
-4	-20.0	13	-10.6	30	-1.1	47	8.3	64	17.8	81	27.2

Terminals and Depots

1. COSCO-HIT8

Tel: 2407 8044

2. HIT4

Tel: 2407 8833

3. River Trade Terminal (RTT)

Tel: 2180 7001

4. China Merchant Container Service Ltd (CMCS)

Tel: 2449 9661

5. Affluence Warehouse & Transportation Ltd (AW)

Tel: 3401 4161

6. Shun Fat Reynold Container Service Ltd (SF)

Tel: 2472 4040

7. KTL Container Service Ltd

Tel: 2458 0823