










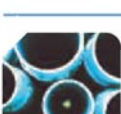


CMA CGM GROUP CONTAINER FLEET





SELECTING A CONTAINER

NEEDS	CONTAINER TYPE	PAGE
 boxes, cartons, cases, sacks, bales, pallets, drums	GENERAL PURPOSE CONTAINERS	4
 -25°C to +25°C	TEMPERATURE CONTROLLED CONTAINERS	5
 bulk minerals, heavy machinery	OPEN TOP CONTAINERS	6
 europallet compatible	HIGH CUBE PALLETWIDE CONTAINERS	7
 heavy and bulky semi-finished goods, out of gauge cargo	FLUSHFOLDING FLAT-RACK CONTAINERS	8
 barrels and drums, crates, cable drums, out of gauge cargo, machinery, and processed timber...	PLATFORM OR BOLSTER	9
 organic products requiring ventilation	VENTILATED CONTAINERS	10
 bulk liquids	TANK CONTAINERS	11
 loading oversized pallet	OPEN SIDE ANL	12
 cargo difficult to handle	ROLLING FLOOR	13

SAFETY AND RELIABILITY ABOVE ALL

OUR ENTIRE FLEET OF CONTAINERS IS MONITORED
AT ALL TIMES BY OUR MAINTENANCE AND REPAIR TEAM



THIS TEAM OF EXPERTS IS IN CHARGE OF:

- Systematic quality control on all containers,
- Cleaning (sanitary and olfactory controls),
- Maintenance and to keep the fleet in perfect condition,
- Selecting the best units for our clientele,
- Phasing out the oldest containers.

THE CMA CGM GROUP FULLY COMPLIES WITH ISM STANDARDS.

*OUR PERSONNEL IS KEPT FULLY UPDATED OF NEW REGULATIONS
AND NEW STANDARDS AFFECTING OUR CONTAINERS.*

WARNING

All technical data given for these containers are non contractual data.
They are non exhaustive and given as examples.

For further information, please contact our logistic department at CMA CGM or
our agents in your country.

FREIGHT CONTAINERS

TERMINOLOGY

THE INTERNATIONAL STANDARDS RELATING TO CONTAINERS HAVE BEEN ESTABLISHED BY THE INTERNATIONAL STANDARDS ORGANIZATION'S ISO/TC 104 TECHNICAL COMMITTEE ON FREIGHT CONTAINERS.

THIS CHAPTER SUMMARIZES THE IS 830 STANDARDS, WHICH DEFINE THE MAIN TERMS USED REGARDING CONTAINERS.

FREIGHT CONTAINERS: ARTICLE OF TRANSPORT EQUIPMENT

- Of a permanent character and accordingly strong enough to be suitable for repeated use.
- Specially designed to facilitate the carriage of goods by one or more modes of transport, without intermediate reloading.
- Fitted with devices permitting ease of handling, particularly its transfer from one mode of transport to another.
- So designed as to be easy to fill and empty.
- Having an internal volume of 1m³ (35.3 ft³) or more.

The term "freight container" includes neither vehicles nor conventional packing.

ISO freight container: Freight container complying with all relevant ISO container standards in existence at the time of its manufacture.



GENERAL PURPOSE CONTAINERS



BOXES, CARTONS, CASES, SACKS, BALES, PALLETS, DRUMS

DEFINITION:

A freight container, totally enclosed and weatherproof, having a rigid roof, rigid side walls, and floor, having at least one of its end walls equipment with doors and intended to be suitable for the transport of cargo of the greatest possible variety.

USES:

This is by far the most common type of container. It is suitable for the carriage of most types of "Dry" goods, including those packed in boxes, cartons, cases, sacks, bales, pallets, drums etc...

With some adjustments and adequate loading/unloading equipment, this type of container may also be used for certain types of bulk cargo.

ECO CONTAINERS



BOXES, CARTONS, CASES, SACKS, BALES, PALLETS, DRUMS

DEFINITION:

Within the framework of its commitment to environment protection, CMA CGM has recently invested in 1600 bamboo flooring eco-containers.

TECHNICAL DATA

SIZE AND TYPE GROUPING CODE	20' x 8' x 8'6" 20 GP	40' x 8' x 8'6" 40 GP	40' x 8' x 9'6" 40 HC	45' x 8' x 9'6" 45 HC
DIMENSIONS & TYPE CODE	22 G1	42 G1	45 G1	L5 G1
INTERNAL DIMENSIONS				
Length (mm) l1	5,900	12,034	12,034	13,556
Width (mm) w1	2,352	2,352	2,352	2,352
Height (mm) h1	2,393	2,395	2,700	2,700
DOOR OPENING				
Width (mm) l2	2,340	2,340	2,340	2,340
Height (mm) h2	2,280	2,280	2,585	2,585
NOMINAL CAPACITY (cu.m)	33.2	67.8	76.4	86.0
MAXIMUM GROSS WEIGHT (kg)	30,480	30,480	30,480	30,480
AVERAGE TARE (kg)	2,230	3,740	3,900	4,700
MAXIMUM PAYLOAD (kg)	28,250	26,740	26,580	25,780
SECURING RINGS				
quantity	16	32	32	40
resistance (kg/each)	1,500	1,500	1,500	1,500

TEMPERATURE CONTROLLED CONTAINERS



DEFINITION:

Thermal container equipped with an or electrical appliance (mechanical compressor) for the purposes of cooling or heating the air within the container.

USES:

The CMA CGM refrigerated and heated containers are equipped with a mechanical refrigeration unit capable of transporting cargo at temperatures from -25°C to +25°C, accurate to a tenth of a degree. These units are fitted with controllable air vents to renew air inside the container.

TECHNICAL DATA

SIZE AND TYPE GROUPING CODE	20' x 8' x 8'6" 20 RE	40' x 8' x 9'6" 40 RH	45'x8'x8'6" 45 RH
DIMENSIONS & TYPE CODE	22 R1	45 R1	LN R1
INTERNAL DIMENSIONS			
Length (mm) l1	5,456	11,584	13,280
Width (mm) w1	2,294	2,294	2,440
Height (mm) h1	2,273	2,557	2,582
DOOR OPENING			
Width (mm) w2	2,290	2,284	2,440
Height (mm) h2	2,264	2,437	2,567
NOMINAL CAPACITY (cu.m)	28.6	58	83,7
MAXIMUM GROSS WEIGHT (kg)	30,480	30,480 / 34,000	34,000
AVERAGE TARE (kg)	3,010	4,140 / 4,700	6,180
MAXIMUM PAYLOAD (kg)	27,470	25,800 / 29,300	27,820
HEIGHT USABLE FOR CARGO (mm)	2,158	2,394	2,482
CAPACITY IN USE (cu.m)	27.3	64.9	80,420
LASHING BARS IN THE VENTILATION FLOOR SIDE GUTTERS			
quantity	4	6	6
resistance (kg/each)	500	1,000	1,000

Some series are certified ATO and/or USDA.
Fresh air exchange venting system (adjustable).

OPEN TOP CONTAINERS



**BULK MINERALS,
HEAVY MACHINERY**



DEFINITION:

Freight container similar in all respects to a general purpose container except that it has no rigid roof but may have a flexible and movable or removable cover, for example one made of canvas or plastic or reinforced plastic material normally supported on movable or removable roof bows. Such containers may have movable or removable top end transverse members above their end doors.

USES:

These containers are primarily used to carry heavy and/or bulky finished products, whose handling and loading can only be performed with a crane or a rolling bridge. Tilttable half-height open top containers are specially designed to carry bulk minerals.

The CMA CGM 8"6" high open top containers are equipped with:

- Removable roof bows and tarpaulin,
- Hinged doors (on both sides) and/or removable header above doors.

TECHNICAL DATA

SIZE AND TYPE GROUPING CODE	20' x 8' x 8'6"	40' x 8' x 8'6"
	20 OT	40 OT
DIMENSIONS & TYPE CODE	22 U1	42 U1
INTERNAL DIMENSIONS		
Length (mm) l1	5,898	12,032
Width (mm) w1	2,352	2,352
Height (mm) h1	2,348	2,348
DOOR OPENING		
Width (mm) l2	2,340	2,340
Height (mm) h2	2,280	2,280
Height under top-rail (mm) h3	2,200	2,000
TOP OPENING DIMENSIONS		
Length between end lintels (mm) l3	5,682	11,806
Width between gussets (mm) w3	1,840	1,650
Length between gussets (mm) l4	5,397	11,531
Width between roof rails (mm) w4	2,252	2,232
Width between removable lintel (mm) w5	1,940	1,940
NOMINAL CAPACITY (cu.m)	32	66
MAXIMUM GROSS WEIGHT (kg)	30,480	30,480
AVERAGE TARE (kg)	2,200	3,880
MAXIMUM PAYLOAD (kg)	28,280	26,600
SECURING RINGS		
quantity	20	40
resistance rings (kg/each)	1,500	1,500

HIGH CUBE PALLETWIDE CONTAINERS



EUROPALLET COMPATIBLE

DEFINITION:

The MacAndrews 40'/45' Pallet Wide units were specifically designed with the 1.2 m "Europallet".

USES:

The equipment, with its 2.45m internal width, ensures optimum utilisation of space. Shippers benefit by being able to load 5 additional 1.2m x 0.8m europallets than in a standard ISO 45ft container (or 3 additional 1.2m x 1m pallets).

Total per tier = 33 europallets in a palletwide i.o. 27 europallets in a standard ISO 45ft containers (or 24 x [1,2x1] pallets i.o. 21).

These containers are in compliance with the UE regulations.

In monetary terms this additional capacity can reduce through distribution costs by 15% or more. Such optimum utilisation, with the avoidance of broken stows, prevents cargo movement. This may remove the need for the securing of cargo and so improves dispatch times whilst also reducing the cost of product packaging.

TECHNICAL DATA

SIZE AND TYPE GROUPING CODE	40' x 2,500 x 9'6" 40 HW	45' x 2,560 x 9'6" 45 HW
DIMENSIONS & TYPE CODE	4 EGO	LEGO
INTERNAL DIMENSIONS		
Length (mm) l1	12,095	13,624
Width (mm) w1	2,444	2,420
Height (mm) h1	2,692	2,687
DOOR OPENING		
Width (mm) l2	2,400	2,360
Height (mm) h2	2,584	2,580
CUBIC CAPACITY (cu.m)	79.60	85.25
MAXIMUM GROSS WEIGHT (kg)	34,000	34,000
TARE WEIGHT (kg)	4,260	4,980
MAXIMUM PAYLOAD (kg)	29,740	29,020

FLUSHFOLDING FLAT - RACK

CONTAINERS



DEFINITION:

Compared to fixed end type collapsible flatracks which have end walls that fold. The flushfolding collapsible flatrack, the most sophisticated of its type has end walls which fold flush with the base.

USES:

Flatracks are dedicated for the carriage of items which are heavy, bulky and those which are over height and/or over width. They also permit the stacking of several empty containers into one "bundle" for empty repositioning. Their base is often designed to transport heavy material. Some flats are 45T tested. The flatracks with collapsible ends also permit the transportation of over length cargo.

TECHNICAL DATA

	20' x 8' x 8'6"	40' x 8' x 8'6"
SIZE AND TYPE GROUPING CODE	20 PC	40 PC
DIMENSIONS & TYPE CODE	22 P3	42 P3
INTERNAL DIMENSIONS		
Length (mm) l1, with end walls folded	5,718	11,888
Height (mm) h1	2,213	1,959
Length between end headers (mm) l2	5,920	12,054
Length between corner posts (mm) l3	5,634	11,652
Width between corner post (mm) w1	2,224	2,227
Width of floor (mm) w2	2,208	2,374
Width between side accessory pockets (mm) w3	2,158	
MAXIMUM GROSS WEIGHT (kg)	34,000	45,000 / 50,000
AVERAGE TARE (kg)	2,750	5,100
MAXIMUM PAYLOAD (kg)	31,250	39,980 / 44,900
SECURING RINGS number per side	12	12

PLATFORM OR BOLSTER

**BARRELS AND DRUMS, CRATES, CABLE DRUMS,
OUT OF GAUGE CARGO,
MACHINERY, AND PROCESSED TIMBER...**



DEFINITION:

Platform based container without any permanently fixed longitudinal load-carrying structure between ends other than at the base.

USES:

This type of container is mainly used to carry heavy and bulky semi-finished goods, as well as out of gauge cargo. When laid side by side on the deck or in the hold of container ships, they can be used to transport non-containerizable cargo.

TECHNICAL DATA

	20'	40'
SIZE AND TYPE GROUPING CODE	20 PL	40 PL
DIMENSIONS & TYPE CODE	29 PO	49 PO
EXTERNAL DIMENSIONS		
Length (mm) l1	6,058	12,192
Width (mm) w1	2,438	2,438
Height (mm) h1	270	482
AVERAGE TARE (kg)	1,890	4,400
MAXIMUM PAYLOAD (kg)	22,100	40,600
MAXIMUM GROSS WEIGHT (kg)	24,000	45,000
SECURING RINGS number per side		6

The above data could vary from range to range

VENTILATED CONTAINERS



DEFINITION:

Containers similar to a general purpose container of the closed type, designed to allow air exchange between the interior of the container and the outside atmosphere. Containers provided with a ventilation system designed to accelerate and increase the natural convection of the atmosphere within the container as uniformly as possible.

Ventilated containers have the following codes:

- V0 for those provided with non mechanical ventilating system consisting of vents located both at the lower and at the upper part of their cargo space,
- V2 for those provided with a mechanical ventilating system located internally,
- V4 for those provided with a mechanical ventilating system located externally.

USES:

This type of container is primarily used to prevent condensation inside the container during the transport of certain hygroscopic products from tropical countries to temperate climates.

TECHNICAL DATA

SIZE AND TYPE GROUPING CODE	20' x 8' x 8'6" 20 VH
DIMENSIONS & TYPE CODE	22 VO
INTERNAL DIMENSIONS	
Length (mm) l1	5,900
Width (mm) w1	2,335
Height (mm) h1	2,400
DOOR OPENING	
Width (mm) l2	2,330
Height (mm) h2	2,295
NOMINAL CAPACITY (cu.m.)	33
MAXIMUM GROSS WEIGHT (kg)	30,480
MAXIMUM PAYLOAD (kg)	28,030
SECURING RINGS	
quantity	16
resistance of upper rings (kg/each)	2,000
resistance of lower rings (kg/each)	2,000

TANK CONTAINERS



DEFINITION:

A freight container which includes two basic elements, the tank and the framework.

USES:

This type of container is used to carry hazardous or non-hazardous liquids (foodstuff). It is equipped with accessories to facilitate filling and emptying and has safety devices.

TECHNICAL DATA

SIZE AND TYPE GROUPING CODE	BUILT before 2001	BUILT since 2001
	20' x 8' x 8'6" 20 TD	20' x 8' x 8'6" 20 TD
DIMENSIONS & TYPE CODE	22 T6	T11
INTERNAL DIMENSIONS		
Length (mm) l1	6,058	
Width (mm) w1	2,438	
Height (mm) h1	2,591	
NOMINAL CAPACITY		
Litres	20,000	26,000
MAXIMUM GROSS WEIGHT (kg)	24,000	36,000
AVERAGE TARE (kg)	3,040	3,420
MAXIMUM PAYLOAD (kg)	20,450	32,580
MAX. OPERATING PRESSURE (bar)	1.75	4
SAFETY VALVE SETTING (bar)	2.2	4.4
MANHOLE Ø (mm)	500	500
DISCHARGE		
Type	Quik coupling	3'BSP
Diameter Ø (mm)	80	80

OPEN SIDE

ANL



LOADING OVERSIZE PALLET

DEFINITION:

These 2 palletwide duel side door units were acquired to meet a contract secured for the Tasfast service between Melbourne and Tasmania.

These containers are used to carry bottles to breweries southbound and carry timber and beverages northbound.

A mezzanine floor is an optional fitting on this unit.

USES:

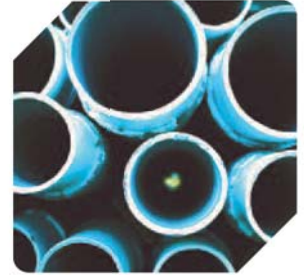
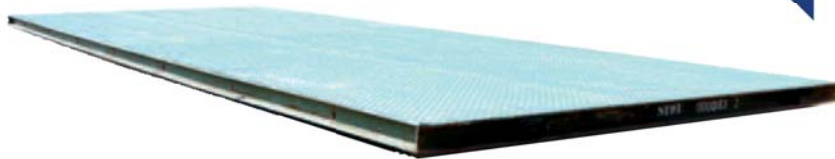
These are used extensively in Australia to handle the Australian pallets which are wider than the international pallet.

These containers allow the shipper the ability to load the maximum number of pallets without the need for dunnage.

TECHNICAL DATA

SIZE AND TYPE GROUPING CODE	PWSDC 20 OS	PWC 20 OS
DIMENSIONS & TYPE CODE	22 G2	22 G2
EXTERNAL DIMENSIONS		
Length (mm) l1	6,058	6,100
Width (mm) w1	2,460	2,502
Height (mm) h1	2,896	3,050
INTERNAL DIMENSIONS		
Length (mm) l1	5,925	6,002
Width (mm) w1	2,420	2,397
Height (mm) h1	2,690	2,797
DOOR OPENING		
Width (mm) w1	5,552	2,405
Height (mm) h1	2,717	2,590
CUBIC CAPACITY (cu.m.)	40.2	38.8
MAXIMUM GROSS WEIGHT (kg)	30,480	30,000
TARE WEIGHT (kg)	3,930	2,860

ROLLING FLOOR



CARGO DIFFICULT
TO HANDLE

DEFINITION:

Platforms fitted with rollers used for loading cargo that is hard to handle inside a containers.

USES:

Once loaded, rolling floors are rolled into 20' dry containers.

TECHNICAL DATA

INTERNAL DIMENSIONS

Length (mm) l1	5,850
Width (mm) w1	2,280
Height (mm) h1	125

AVERAGE TARE (kg)	880
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MAXIMUM PAYLOAD (kg)	21,000
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MAXIMUM GROSS WEIGHT (kg)	21,880
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The above data could vary from range to range

