

# LAMPIRAN

## Lampiran 1 Ukuran dan jenis-jenis kontainer

### Container Sizes

These details are for guidance only and do not guarantee availability of any type of container for any particular route. Although the dimensions are representative of the international standards, there can be variations.

Please check with us for size and availability before making any crucial decisions

### Dry containers

Dry containers come in several sizes and designs:

- 20' with a payload up to 28.3 metric tons
- 40' - both 8'6" and 9'6" high cube - with a payload up to 30.4 metric tons
- 45' - 9'6" high cube - with a total capacity of 86 cubic metres

Please note there may be slight size variations for some containers, as well as limitations regarding acceptance in certain locations.

#### Special features of dry containers

- Hangar beams which allow the transport of garments on hangars without further packing
- An extra high payload and extra door-width versions
- Bull rings and lashing bars to give your cargo added security
- Ventilated containers for crops, such as coffee and cocoa

Dry / Steel		Door openings (mm)		Internal dimensions (mm)			Weight (kg)			Volume (m3)
Type	Size	Width	Height	Length	Width	Height to load line	Max. Gross	Tare	Max. Payload	Capacity to load line
20' std	20' x 8' x 8'6"	2,340	2,274	5,896	2,350	2,385	27,000	2,150	24,850	33
40' std	40' x 8' x 8'6"	2,339	2,274	12,035	2,360	2,393	32,500	3,700	28,800	67
40' high	40' x 8' x 9'6"	2,340	2,577	12,035	2,350	2,697	34,000	3,800	30,200	76
45' high	45' x 8' x 9'6"	2,340	2,565	13,556	2,352	2,697	32,500	4,300	27,200	86

Dry / Aluminium		Door openings (mm)		Internal dimensions (mm)			Weight (kg)			Volume (m3)
Type	Size	Width	Height	Length	Width	Height to load line	Max. Gross	Tare	Max. Payload	Capacity to load line
40' wide door	40' x 8' x 8'6"	2,343	2,278	12,056	2,347	2,379	32,500	2,790	29,710	67
40' high	40' x 8' x 9'6"	2,343	2,584	12,056	2,347	2,684	32,500	2,900	29,600	76
45' high	45' x 8' x 9'6"	2,340	2,594	13,582	2,347	2,696	32,500	3,900	28,600	86

### Reefer containers

For dimensions of specific units, please contact Rock-it Cargo. Dimensions vary within container series.

#### Special features

- Super Cool version maintaining a cargo temperature of -27 degrees C/ -15 degrees F
- Dehumidification system ensuring the optimal humidity inside the container
- Controlled atmosphere providing the optimal conditions, improving quality and shelf life
- Environmentally-friendly CFC free R-134A refrigerant
- Super Freezers capable of maintaining temperatures as low as -60 degrees C/ -76 degrees F

Reefer / Steel		Door openings (mm)		Internal dimensions (mm)			Weight (kg)			Volume (m3)
Type	Size	Width	Height	Length	Width	Height to load line	Max. Gross	Tare	Max. Payload	Capacity to load line
20' std	20' x 8' x 8'6"	2,294	2,201	5,451	2,290	2,156	30,480	2,930	27,550	27.9
40' High	40' x 8' x 9'6"	2,278	2,473	11,578	2,280	2,425	34,000	4,500	29,500	64

Reefer / Aluminium		Door openings (mm)		Internal dimensions (mm)			Weight (kg)			Volume (m3)
Type	Size	Width	Height	Length	Width	Height to load line	Max. Gross	Tare	Max. Payload	Capacity to load line
20' std	20' x 8' x 8'6"	2,286	2,188	5,430	2,286	2,155	27,000	2,750	24,250	26.8
40' std	40' x 8' x 8'6"	2,294	2,174	11,577	2,294	2,110	32,500	3,900	28,600	56.1
40' high	40' x 8' x 9'6"	2,290	2,535	11,577	2,294	2,408	32,500	4,150	28,350	64.1

### Special equipment

There are several options for oversized or especially heavy cargo.

20' and 40' **flat racks** and **artificial tweendecks**, have fixed or collapsible end-walls. They are suitable for top or side loading and ideal for heavy machinery, pipes, etc.

20' and 40' **open-top containers**, have removable roof bows and tarpaulin covers.

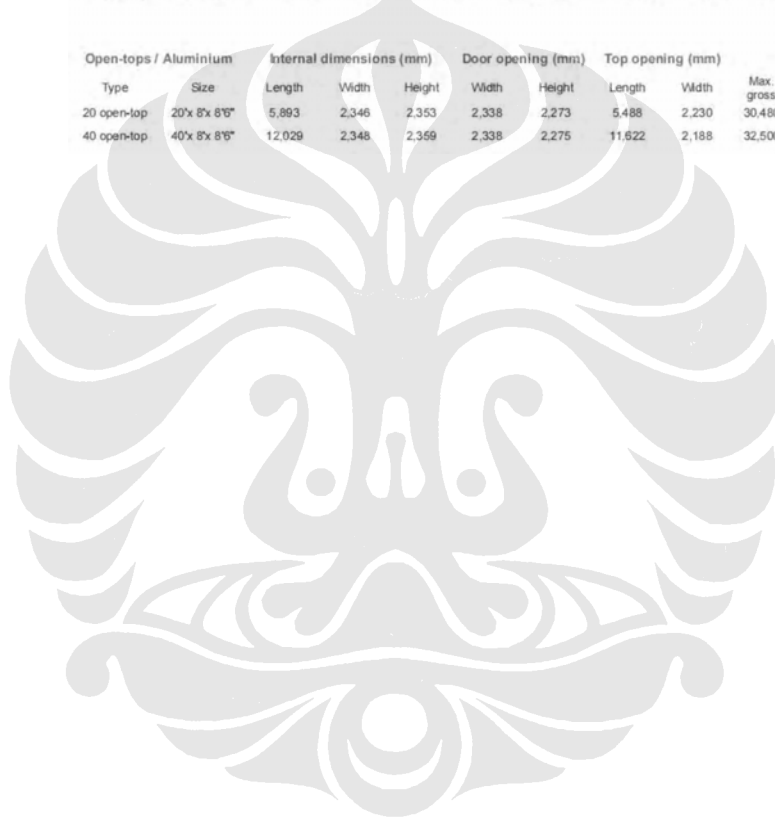
20' **open-top/open-side containers**, have removable side grating, top rails, roof bows and door headers. These containers are specially designed for easy stuffing and stripping. They also ensure effective ventilation.

Flat rack / Steel		Internal dimensions (mm)						Weight (kg)		
Type	Size	Length	Width	Height	Length between headers	Length between corner posts	Width between corner posts	Gross	Tare	Max. payload
20 fixed-corner	20' x 8' x 8' 6"	5,935	2,398	2,327	5,935	5,693	2,106	24,000	2,560	21,440
20 collapsible	20' x 8' x 8' 6"	5,966	2,418	2,286	5,850	5,422	2,058	30,480	2,970	27,510
40 fixed-corner	40' x 8' x 8' 6"	12,080	2,438	2,103	12,080	11,796	2,114	30,480	5,480	25,000
40 open-end	40' x 8' x 9' 6"	12,192	2,230	1,986	11,900	11,710	2,178	45,000	4,500	40,500
40 flush-fold	40' x 8' x 9' 6"	12,178	2,365	1,943	12,058	11,662	2,224	45,000	5,200	39,800

Flat rack / Steel		Internal dimensions (mm)		Maximum load (kg)			Weight (kg)	
Type	Size	Length	Width	Concentrated (kg/sq feet)	on mid 10 ft	Max. gross	Tare	Max. payload
40 atd	40'x 8'x 20' 3/8"	12,052	2,438	4,535	12,148	44,440	4,860	39,580

Open-tops / Steel		Internal dimensions (mm)			Door opening (mm)		Top opening (mm)		Weight (kg)			Volume (m3)
Type	Size	Length	Width	Height	Width	Height	Length	Width	Max. gross	Tare	Max. payload	Capacity
20 open-top	20'x 8'x 8'6"	5,919	2,340	2,286	2,286	2,251	5,425	2,223	24,000	2,177	21,823	32
40 open-top	40'x 8'x 8'6"	12,043	2,338	2,272	2,289	2,253	11,622	2,162	30,480	4,300	26,180	64

Open-tops / Aluminium		Internal dimensions (mm)			Door opening (mm)		Top opening (mm)		Weight (kg)			Volume (m3)
Type	Size	Length	Width	Height	Width	Height	Length	Width	Max. gross	Tare	Max. payload	Capacity
20 open-top	20'x 8'x 8'6"	5,893	2,346	2,353	2,338	2,273	5,488	2,230	30,480	2,250	28,230	32
40 open-top	40'x 8'x 8'6"	12,029	2,348	2,359	2,338	2,275	11,622	2,188	32,500	3,800	28,700	66



## Lampiran 2 Tipe dan aplikasi insulasi

<i>Type</i>	<i>Temperature range, °C</i>	<i>Thermal conductivity, mW/m K</i>	<i>Density, kg/m<sup>3</sup></i>	<i>Application</i>
1 Linde evacuated superinsulation	-240-1100	0.0015-0.72	Variable	Many
2 Urethane foam	-180-150	16-20	25-48	Hot and cold pipes
3 Cellular glass blocks	-170-110	16-20	32	Tanks
4 Cellular glass blocks	-200-200	29-108	110-150	Tanks and pipes
5 Fiber-glass blanket for wrapping	-80-290	22-78	10-50	Pipe and pipe fittings
6 Fiber-glass blankets	-170-230	25-86	10-50	Tanks and equipment
7 Fiber-glass preformed shapes	-50-230	32-55	10-50	Piping
8 Elastomeric sheets	-40-100	36-39	70-100	Tanks
9 Fiber-glass mats	60-370	30-55	10-50	Pipe and pipe fittings
10 Elastomeric preformed shapes	-40-100	36-39	70-100	Pipe and fittings
11 Fiber glass with vapor barrier blanket	-5-70	29-45	10-32	Refrigeration lines
12 Fiber glass without vapor barrier jacket	to 250	29-45	24-48	Hot piping
13 Fiber-glass boards	20-450	33-52	25-100	Boilers, tanks, heat exchangers
14 Cellular glass blocks and boards	20-500	29-108	110-150	Hot piping
15 Urethane foam blocks and boards	100-150	16-20	24-65	Piping
16 Mineral fiber preformed shapes	to 650	35-91	125-160	Hot piping
17 Mineral fiber blankets	to 750	37-81	125	Hot piping
18 Mineral wool blocks	450-1000	52-130	175-290	Hot piping
19 Calcium silicate blocks, boards	230-1000	32-85	100-160	Hot piping, boilers, chimney linings
20 Mineral fiber blocks	to 1100	52-130	210	Boilers and tanks

**Lampiran 3** Properti material

