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Container Specification



Introduction

Hapag-Lloyd offer to their customers six basic types in 20', 40' and 45' versions.

With this wide range of standard and special containers we can provide you with the most suitable container for every product.

This booklet provides exemplary technical data on containers operator by Hapag-Lloyd such as

- dimensions
- weights
- design features

All values listed in the tables are given in metric. Ft and lbs values are for easy reference only.

All details listed are nominal figures. Apart from the tolerances given on internal dimensions on page 5 the tare weight can vary $\pm 2\%$.

In addition to the Hapag-Lloyd container fleet, we can employ a wide range of leased and partner carrier line equipment.

This booklet only lists technical data. If you are looking for further advice or your special requirements are not yet satisfied, we are more than happy to assist you.

Please call your nearest Hapag-Lloyd office or agent and let our experience work for you.

For more product or company information, please visit our website, which is frequently updated at: www.hapag-lloyd.com

www.hapag-lloyd.com

General Information

Internal Dimensions

The internal dimensions and door openings of all Hapag-Lloyd containers exceed the below given ISO dimensions. However, the dimensions mentioned on the following pages are nominal figures. Because of production tolerances a difference in measurement is possible:

| Tolerances | Length | Width | Height |
|--------------------|---------------|---------------|---------------|
| Maximum Difference | 10 mm 3/8" | 10 mm 3/8" | 10 mm 3/8" |

Maximum Gross Weights

20' containers:

32500 kg (71650 lbs) valid for most Hapag-Lloyd 20' containers; exceeds ISO minimum standards (ISO 668).

40' and 45' containers:

Up to 34 000 kg (74 959 lbs).

Weight Limits for road and rail transport

For individually valid limits contact your local Hapag-Lloyd office.

Floor Loads

A container floor is capable of carrying a fork-lift truck with a maximum axle load of 5 460 kg (12 040 lbs), if the contact area per wheel is at least 142 cm² (22 sq.in) (ISO 1496/I).

Concentrated Loads

Concentrated loads are loads, that are not distributed over the full length of floor, when stowing heavy cargo in containers other than flats or platforms due care has to be taken that concentrated loads will not exceed the strength of the bottom construction of the container.

The maximum spreaded load should not exceed

- for 20' containers 4 ts per running meter in length (3'3³/₈") still higher on request
- for 40' containers 3 ts per running meter in length
- load must not exceed over max. payload

Gooseneck Tunnel on 40' Containers

All Hapag-Lloyd 40' containers are fitted with a Gooseneck tunnel to enable the transport on Gooseneck chassis.

Timber Treatment

Exposed timber is treated according to Australian, EU, Chinese and American requirements.

Container Markings

Containers built in 1997 or thereafter do also show the ISO Size Type Code. For further information please see page 46.

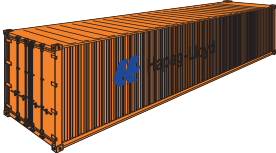




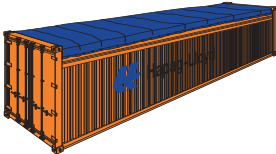
External and Minimum Internal Dimensions (according ISO)


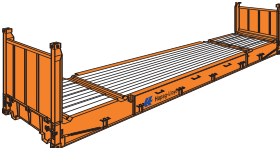
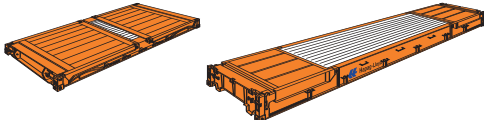


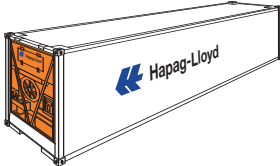
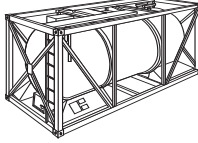
The following table gives the overall dimensions as standardized in ISO 668 and the minimum internal dimensions and door openings for General Purpose Containers as standardized in ISO 1496-1.

| Dimensions | Length | | | Width | Height | |
|---------------------------------|-------------------|---|---|---|---|---|
| | 20' | 40' | 45' | 8' | 8'6" | 9'6" |
| Dimensions | 6 058 mm | 12 192 mm | 13 716 mm | 2 438 mm | 2 591 mm | 2 896 mm |
| Minimum Internal Dimensions | 5 867 mm 19'3" | 11 998 mm 39'4 ³ / ₈ " | 13 532 mm 44'4 ³ / ₄ " | 2 330 mm 7'7 ³ / ₄ " | 2 350 mm 7'8 ¹ / ₂ " | 2 655 mm 8'8 ¹ / ₂ " |
| Minimum Door Opening Dimensions | - | - | - | 2 286 mm 7'6" | 2 261 mm 7'5" | 2 566 mm 8'5" |

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General Purpose Container

20'

ISO Size Type Code: 22G0, 22G1



- Majority of containers tested for ONE DOOR-OFF OPERATION limited stacking weight.
- Suitable for any general cargo.
- Containers may be equipped with liner bags suitable for bulk cargo, e.g. malt.
- Fork-lift pockets for loaded containers.
- Floor Height 170 mm - 5mm (Ground level to interior floor surface)
- Various lashing devices on the top and bottom longitudinal rails and the corner posts.
- Lashing devices have a load of 1 000 kg (2 205 lbs) each.

General Purpose Container

20'

| Construction | Inside Dimensions | | | Door Opening | | Weights | | | Capacity |
|--|--------------------|-------------------|--------------------|-------------------|-------------------|------------------|----------------|------------------|-------------------------|
| | Length | Width | Height | Width | Height | Max. Gross | Tare | Max. Payload | |
| 8'6" high | mm ft | mm ft | mm ft | mm ft | mm ft | kg lbs | kg lbs | kg lbs | m ³ cu.ft |
| Steel container with corrugated walls and wooden floor | 5 895 19'4 1/8" | 2 350 7'8 1/2" | 2 392 7'10 1/8" | 2 340 7'8 1/8" | 2 292 7'6 1/4" | 30 480 67 200 | 2 250 4 960 | 28 230 62 240 | 33,2 1172 |
| | 5 900 19'4 1/4" | 2 352 7'8 5/8" | 2 395 7'10 1/4" | 2 340 7'8 1/8" | 2 292 7'6 1/4" | 32 500 71 650 | 2 370 5 220 | 30 130 66 430 | 33,2 1172 |
| and steel floor | 5 895 19'4 1/8" | 2 350 7'8 1/2" | 2 392 7'10 1/8" | 2 340 7'8 1/8" | 2 292 7'6 1/4" | 32 500 71 650 | 2 570 5 670 | 29 930 65 980 | 33,2 1172 |

| Hapag-Lloyd Serial Number | Foot-note |
|--|----------------------|
| CPSU 100 000 – 108 362 CPSU 108 470 – 182 099 IVLU 955 076 – 957 000 HLXU 200 000 – 212 799 HLXU 212 800 – 239 799 HLXU 300 000 – 310 099 | 1) 2) 3) 1) 2) 3) |
| HLXU 310 100 – 340 699 HLXU 340 800 – 354 699 | 1) 2) 3) 1) 2) 3) |
| HLXU 340 700 – 340 799 CPSU 108 363 – 108 469 | 1) 2) 3) 5) |

| Construction | Inside Dimensions | | | | Weights | | | Capacity |
|--|--------------------|-------------------|-------------------|-------------------|------------------|----------------|------------------|-------------------------|
| | Length | Width | Height | | Max. Gross | Tare | Max. Payload | |
| | | | Middle | Side | | | | kg lbs |
| 8'6" high ISO Size Type Code: 22U6 | mm ft | mm ft | mm ft | mm ft | kg lbs | kg lbs | kg lbs | m ³ cu.ft |
| Steel container with corrugated walls, wooden floor and removable steel roof | 5 886 19'3 3/4" | 2 342 7'8 1/8" | 2 388 7'10" | 2 313 7'7" | 30 480 67 200 | 2 700 5 950 | 27 780 61 250 | 32,8 1160 |
| | 5 886 19'3 3/4" | 2 342 7'8 1/8" | 2 388 7'10" | 2 313 7'7" | 30 480 67 200 | 2 700 5 950 | 27 780 61 250 | 32,8 1160 |
| | 5 859 19'3 3/4" | 2 350 7'8 1/8" | 2 390 7'9 1/2" | 2 309 7'7 3/4" | 32 500 71 650 | 2 850 6 280 | 29 650 65 370 | 32,1 1132 |

| Hapag-Lloyd Serial Number | Foot-note |
|---------------------------|-----------|
| FANU 260 200 – 261 799 | 4) |
| HLXU 365 000 – 365 649 | 4) |
| HLXU 365 650 – 365 949 | 4) |

Remarks:

- 1) 10 lashing rings on each top longitudinal rail; particularly suitable for the transport of hanging garments racks.
- 2) Provided with passive vents.
- 3) Provided with extra lashing rings/bars for the transport of liner bags in the corner posts adjacent to the corner castings.
- 4) For special information please see 20' Hard Top Container.
- 5) Max Gross 30 480 kg

General Purpose Container

40'

ISO Size Type Code: 42G0, 42G1



- Majority of containers tested for ONE DOOR-OFF OPERATION limited stacking weight.
- Suitable for any general cargo.
- Floor Height 170 mm - 5mm (Ground level to interior floor surface)
- 21 lashing rings on each top longitudinal particularly suitable for the transport of hanging garment equipment. Lashing devices have a permissible load of 1000 kg (2 205 lbs) each.

General Purpose Container

40'

| Construction | Inside Dimensions | | | Door Opening | | Weights | | | Capacity | Hapag-Lloyd Serial Number | Foot-note |
|--|-------------------|----------------|-----------------|----------------|----------------|------------------|----------------|------------------|-------------------------|--|-----------|
| | Length | Width | Height | Width | Height | Max. Gross | Tare | Max. Payload | | | |
| 8'6" high | mm ft | mm ft | mm ft | mm ft | mm ft | kg lbs | kg lbs | kg lbs | m ³ cu.ft | | |
| Steel container with corrugated walls and wooden floor | 12 029 39'5½" | 2 350 7'8½" | 2 392 7'10¼" | 2 340 7'8⅛" | 2 292 7'6¼" | 30 480 67 200 | 3 780 8 330 | 26 700 58 870 | 67,7 2 390 | CPSU 400 000 – 475 275 HLXU 400 000 – 449 999 HLXU 500 000 – 507 749 HLXU 509 750 – 510 249 | |
| | 12 032 39'5⅝" | 2 352 7'8⅝" | 2 395 7'10¼" | 2 340 7'8⅛" | 2 292 7'6¼" | 32 500 71 650 | 4 030 8 885 | 28 470 62 765 | 67,7 2 390 | HLXU 507 750 – 509 749 HLXU 510 250 – 542 999 | |

| Construction | Inside Dimensions | | | | Weights | | | Capacity | Hapag-Lloyd Serial Number | Foot-note |
|--|-------------------|----------------|----------------|----------------|------------------|-----------------|------------------|--------------------|--|-----------|
| | Length | Width | Height | | Max. Gross | Tare | Max. Payload | | | |
| | | | mm ft | mm ft | | | | Middle mm ft | Side mm ft | kg lbs |
| 8'6" high ISO Size Type Code: 42U6 | 12 020 39'5¼" | 2 342 7'8⅛" | 2 388 7'10" | 2 313 7'7" | 30 480 67 200 | 4 700 10 360 | 25 780 56 840 | 67,2 2 374 | FANU 462 100 – 462 399 | 3) |
| | 12 020 39'5¼" | 2 342 7'8⅛" | 2 388 7'10" | 2 313 7'7" | 30 480 67 200 | 4 700 10 360 | 25 780 56 840 | 67,2 2 374 | FANU 462 400 – 463 999 HLXU 465 000 – 466 249 | 3) |
| Steel container with corrugated walls, wooden floor and removable steel roof | 12 020 39'5¼" | 2 345 7'8¼" | 2 380 7'9⅝" | 2 300 7'6½" | 30 480 67 200 | 4 700 10 360 | 25 780 56 840 | 65,3 2 306 | HLXU 467 950 – 467 999 | 3) |

Remarks:

3) Special information, please see 40' Hard Top Container.

High Cube General Purpose Container

40'

ISO Size Type Code: 45G0, 45G1



- Especially for voluminous cargo up to max. 2.70 m (8'10¹/₄"') (see table).
- Numerous lashing devices on the top and bottom longitudinal rails and the corner posts.
- Lashing devices have a permissible load of 1000 kg (2205 lbs) each.
- Floor Height 170 mm - 5mm (Ground level to interior floor surface)
- **Consider overheight for inland transportation**
- Provided with passive vents. ISO size type code: 45G1

High Cube General Purpose Container

40'

| Construction | Inside Dimensions | | | Door Opening | | Weights | | | Capacity |
|--|--|--|---|--|--|------------------|----------------|------------------|-------------------------|
| | Length | Width | Height | Width | Height | Max. Gross | Tare | Max. Payload | |
| 9'6" high | mm ft | mm ft | mm ft | mm ft | mm ft | kg lbs | kg lbs | kg lbs | m ³ cu.ft |
| | 12 024 39'5 ³ / ₈ " | 2 350 7'8 ¹ / ₂ " | 2 697 8'10 ¹ / ₈ " | 2 340 7'8 ¹ / ₈ " | 2 597 8'6 ¹ / ₄ " | 30 480 67 200 | 4 020 8 860 | 26 460 58 340 | 76,3 2 694 |
| | 12 032 39'5 ⁵ / ₈ " | 2 350 7'8 ¹ / ₂ " | 2 699 8'10 ¹ / ₄ " | 2 340 7'8 ¹ / ₈ " | 2 597 8'6 ¹ / ₄ " | 30 480 67 200 | 4 000 8 818 | 26 480 58 378 | 76,3 2 694 |
| Steel container with corrugated walls and wooden floor | 12 032 39'5 ⁵ / ₈ " | 2 352 7'8 ⁵ / ₈ " | 2 700 8'10 ¹ / ₄ " | 2 340 7'8 ¹ / ₈ " | 2 597 8'6 ¹ / ₄ " | 32 500 71 650 | 4 010 8 840 | 28 490 62 810 | 76,3 2 694 |
| and steel floor | 12 032 39'5 ⁵ / ₈ " | 2 352 7'8 ⁵ / ₈ " | 2 700 8'10 ¹ / ₄ " | 2 340 7'8 ¹ / ₈ " | 2 597 8'6 ¹ / ₄ " | 32 500 71 650 | 4 460 8 840 | 28 040 62 810 | 76,3 2 694 |

| Hapag-Lloyd Serial Number | Foot-note |
|--|-----------|
| HLXU 450 000 – 459 599 HLXU 633 600 – 635 399 | |
| HLXU 600 000 – 627 099 HLXU 631 100 – 631 799 CPSU 600 000 – 648 568 | |
| HLXU 627 100 – 631 099 HLXU 631 800 – 633 599 HLXU 635 400 – 655 899 HLXU 656 000 – 659 899 | |
| HLXU 655 900 – 655 999 | |

| Construction | Inside Dimensions | | | | Weights | | | Capacity |
|--|--|--|----------------|---------------|------------------|-----------------|------------------|-------------------------|
| | Length | Width | Height | | Max. Gross | Tare | Max. Payload | |
| | | | Middle | Side | | | | kg lbs |
| 9'6" high ISO Size Type Code: 45U6 | mm ft | mm ft | mm ft | mm ft | kg lbs | kg lbs | kg lbs | m ³ cu.ft |
| Steel container with corrugated walls, wooden floor and removable steel roof | 12 020 39'5 ¹ / ₄ " | 2 342 7'8 ¹ / ₈ " | 2 693 8'10" | 2 618 8'7" | 30 480 67 200 | 4 900 10 803 | 25 580 56 394 | 75,8 2 677 |
| | 12 020 39'5 ¹ / ₄ " | 2 342 7'8 ¹ / ₈ " | 2 693 8'10" | 2 618 8'7" | 32 500 71 650 | 5 200 11 436 | 27 300 60 180 | 76,0 2 684 |

| Hapag-Lloyd Serial Number | Foot-note |
|--|-----------|
| HLXU 665 100 – 665 199 HLXU 467 000 – 467 299 | 1) 1) |
| HLXU 665 200 – 666 849 | 1) |

Remarks:

21 lashing rings on each top longitudinal rail; particularly suitable for the transport of hanging garment equipment.

1) Special information, please see 40' High Cube Hard Top Container.

High Cube General Purpose Container

45'

ISO Size Type Code: L5G0, L5G1



- Especially for voluminous cargo up to max. 2.70 m (8'10¹/₄"') (see table).
- Minimum 10 Lashing rings on the top and bottom longitudinal rails.
- Units built with corner castings at 40 ft and 45 ft positions.
- Lashing devices have a permissible load of 1000 kg (2 205 lbs) each.
- Floor Height 170 mm - 5mm (Ground level to interior floor surface)
- Consider overheight for inland transportation**
- Provided with passive vents**

High Cube General Purpose Container

45'

| Construction | Inside Dimensions | | | Door Opening | | Weights | | | Capacity | Hapag-Lloyd Serial Number | Foot-note |
|--|---|--|---|--|--|------------------|-----------------|------------------|-------------------------|---------------------------|-----------|
| | Length | Width | Height | Width | Height | Max. Gross | Tare | Max. Payload | | | |
| 9'6" high | mm ft | mm ft | mm ft | mm ft | mm ft | kg lbs | kg lbs | kg lbs | m ³ cu.ft | | |
| Steel container with corrugated walls and wooden floor | 13 532 44'4 ³ / ₄ " | 2 414 7'11" | 2 694 8'10" | 2 374 7'9 ¹ / ₂ " | 2 585 8'5 ³ / ₄ " | 34 000 74 960 | 4 950 10 910 | 29 050 64 050 | 88,4 3 122 | UESU 482 601 – 483 100 | |
| | 13 557 44'5 ³ / ₄ " | 2 353 7'8 ⁵ / ₈ " | 2 700 8'10 ¹ / ₄ " | 2 340 7'8 ¹ / ₈ " | 2 585 8'5 ³ / ₄ " | 30 420 67 064 | 4 820 10 626 | 25 660 56 570 | 86,1 3 041 | UESU 483 751 – 484 750 | |
| | 13 556 44'5 ⁴ / ₆₄ " | 2 352 7'8 ¹⁹ / ₃₂ " | 2 700 8'10 ¹⁹ / ₆₄ " | 2 340 7'8 ¹ / ₈ " | 2 597 8'5 ³ / ₄ " | 32 500 71 650 | 5 050 11 130 | 27 450 60 520 | 86,1 3 041 | HLXU 900 000 – 900 199 | 1) |

Remarks:

1) Lashing rings total 68. Lash roads total 16

Hardtop Container

20'

ISO Size Type Code: 22U6

- This container type has been designed and developed by Hapag-Lloyd.
- It has especially been constructed for
 - heavy loads
 - high, and excessively high loads
 - loading, e.g. by crane, through roof opening and door side.
- Floor Height 170 mm - 5mm (Ground level to interior floor surface)
- With the roof removed and the doorheader swung out, it is much easier to load cargo using a crane via the door side.
- The steel roof of most series (please see footnote) is fitted with fork-lift rings so that it can be removed by using a forklift. The weight of the steel roof is approx. 450 kg (990 lbs).
- In case your cargo has overheight the roof sections can be lashed to a sidewall inside the container using only some 13 cm (5 1/8) of space.
- If required, we can provide disposable tarpaulins for the transport which can be fastened to the walls on the outside using lashing devices.



- The hardtop container provides many lashing devices to fasten your goods. The lashing devices on the corner posts and on the longitudinal rails of the roof and floor are capable of bearing loads of up to 2,000 kg (4,410 lbs) each, and those in the middle of the side walls up to 500 kg (1,100 lbs) each. Lashing to the side walls can only be done after the roof has been closed.
- Fork-lift pockets for loaded containers.
- Utilizable for bulk cargo.
- The roof can easily be lifted by hand 70 mm (2 3/4"), using the roof locking devices so

that the door-header can be swung out without removing the roof.

- This container type has been designed for heavy loads. Whilst considering the technical data (including the permissible spreaded load limitations) please bear in mind the prevalent weight restrictions for land transport.
- For further information please ask for our brochure "The Hardtop Container".

Hardtop Container

20'

| Construction | Inside Dimensions | | | | Weights | | | Capacity | Hapag-Lloyd Serial Number | Foot- note |
|--|---|--|--|--|----------------------------|-------------------|------------------------------|-------------------------|---------------------------------|---------------|
| | Length | Width | Height | | Max. Gross kg lbs | Tare kg lbs | Max. Payload kg lbs | | | |
| | | | Middle mm ft | Side mm ft | | | | m ³ cu.ft | | |
| 8'6" high Steel container with corrugated walls, wooden floor and removable steel roof | 5 886 19'3 ³ / ₄ " | 2 342 7'8 ¹ / ₈ " | 2 388 7'10" | 2 313 7'7" | 30 480 67 200 | 2 700 5 950 | 27 780 61 250 | 32,8 1160 | FANU 260 200 – 261 399 | |
| | 5 887 19'3 ¹³ / ₁₆ " | 2 346 7'8 ³ / ₈ " | 2 390 7'10 ³ / ₃₂ " | 2 315 7'7 ¹ / ₈ " | 30 480 67 200 | 2 590 5 710 | 27 890 61 490 | 32,8 1160 | HLXU 365 000 – 365 649 | 1)2)3) |
| | 5 887 19'3 ¹³ / ₁₆ " | 2 346 7'8 ³ / ₈ " | 2 390 7'10 ³ / ₃₂ " | 2 315 7'7 ¹ / ₈ " | 32 500 71 650 | 2 850 6 283 | 29 650 65 366 | 31,8 1123 | HLXU 365 650 – 365 949 | 1)2)3) |

Remarks:

- 1) Provided with passive vents.
- 2) 10 lashing rings on each top longitudinal rail; particularly suitable for the transport of hanging garment equipment.
- 3) Provided with extra lashing rings/bars for the transport of liner bags in the corner post adjacent to the corner castings.

Roof and door openings please see page 22.

Hardtop Container

40'

ISO Size Type Code: 42U6

- This container type has been designed and developed by Hapag-Lloyd.
- The 40' hardtop container has particularly been constructed for:
 - long loads which cannot be transported in the 20' hardtop container
 - heavy loads
 - high and excessively high loads
 - loading, e.g. by crane, through roof opening and door side.
- With the roof removed and the door header swung out, it is much easier to load cargo using a crane via the door side.
- Provided with lifting devices by forklift truck or crane. The weight of the single steel roof comes within the limits of approx. 450 kg (990 lbs).
- In case your cargo has overheight the roof sections can be lashed to a sidewall inside the container using only some 13 cm (5¹/₈") of space.
- Floor Height 170 mm - 5mm (Ground level to interior floor surface)
- If required, we can provide disposable tarpaulins for the transport which can



- be fastened to the walls on the outside using lashing devices.
- The hardtop container provides many lashing devices to fasten your goods. The lashing devices on the corner posts and on the longitudinal rails of the roof and floor are capable of bearing loads of up to 2,000 kg (4,410 lbs) each, and those in the middle of the side walls up to 500 kg (1,100 lbs) each. Lashing to the side walls can only be done after the roof has been closed.
- The roof can easily be lifted by hand 70 mm (2³/₄"), using the roof locking devices so that the door-header can be swung out without removing the roof.
- This container type has been designed for heavy loads. Whilst considering the technical data (including the permissible spreaded load limitations) please bear in mind the prevalent weight restrictions for land transport.
- For further information please ask for our brochure "The Hardtop Container".

Hardtop Container

40'

| Construction | Inside Dimensions | | | | Weights | | | Capacity | Hapag-Lloyd Serial Number | Foot- note |
|---|-------------------|----------------|--------------------|------------------|----------------------------|-------------------|------------------------------|-------------------------|--|---------------|
| | Length | Width | Height | | Max. Gross kg lbs | Tare kg lbs | Max. Payload kg lbs | | | |
| | | | Middle mm ft | Side mm ft | | | | m ³ cu.ft | | |
| 8'6" high | mm ft | mm ft | mm ft | mm ft | | | | | | |
| Steel container with corrugated walls, wooden floor and removable steel roof | 12 020 39'5¼" | 2 342 7'8⅛" | 2 388 7'10" | 2 313 7'7" | 30 480 67 200 | 4 700 10 360 | 25 780 56 840 | 67,2 2374 | FANU 462 100 – 462 399 | 1) |
| | 12 020 39'5¼" | 2 342 7'8⅛" | 2 388 7'10" | 2 313 7'7" | 30 480 67 200 | 4 700 10 360 | 25 780 56 840 | 67,2 2374 | FANU 462 400 – 463 999 HLXU 465 000 – 466 249 | 1) |
| | 12 020 39'5¼" | 2 345 7'8¼" | 2 380 7'9⅝" | 2 300 7'6½" | 30 480 67 200 | 4 700 10 360 | 25 780 56 840 | 65,3 2306 | HLXU 467 950 – 467 999 | 2) |

Remarks:

The 40' hardtop has a removable turnbuckle positioned dead centre between both top rails. This may reduce the cargo height, if left in position and not stored.

1) Provided with passive vents.

2) Special design, roof locking clips.

Roof and door openings please see page 22.

High Cube Hardtop Container

40'

ISO Size Type Code: 45U6

- This container type has been designed and developed by Hapag-Lloyd.
- The 40' hardtop container has particularly been constructed for:
 - long loads which cannot be transported in the 20' hardtop container
 - heavy loads
 - high and excessively high loads
 - loading, e.g. by crane, through roof opening and door side.
- With the roof removed and the door header swung out, it is much easier to load cargo using a crane via the door side.
- The roof can be removed by using a forklift. The weight of the steel roof is approx. 450 kg (990 lbs) each section.
- In case your cargo has overheight the roof sections can be lashed to a sidewall inside the container using only some 13 cm (5¹/₈"") of space.
- Floor Height 170 mm - 5mm (Ground level to interior floor surface)
- If required, we can provide disposable tarpaulins for the transport which can be



- fastened to the walls on the outside using lashing devices.
- The hardtop container provides many lashing devices to fasten your goods. The lashing devices on the corner posts and on the longitudinal rails of the roof and floor are capable of bearing loads of up to 2,000 kg (4,410 lbs) each, and those in the middle of the side walls up to 500 kg (1,100 lbs) each. Lashing to the side walls can only be done after the roof has been closed.

- The roof can easily be lifted by hand 70 mm (2³/₄""), using the roof locking devices so that the door-header can be swung out without removing the roof.
- This container type has been designed for heavy loads. Whilst considering the technical data (including the permissible spreaded load limitations) please bear in mind the prevalent weight restrictions for land transport.
- For further information please ask for our brochure "The Hardtop Container".

High Cube Hardtop Container

40'

| Construction | Inside Dimensions | | | | Weights | | | Capacity | Hapag-Lloyd Serial Number | Foot- note |
|--|---------------------|----------------|--------------------|------------------|----------------------------|-------------------|------------------------------|-------------------------|---------------------------------|---------------|
| | Length | Width | Height | | Max. Gross kg lbs | Tare kg lbs | Max. Payload kg lbs | | | |
| | | | Middle mm ft | Side mm ft | | | | m ³ cu.ft | | |
| 9'6" high Steel container with corrugated walls, wooden floor and removable steel roof | 12 020 39'5¼" | 2 342 7'8⅛" | 2 693 8'10" | 2 618 8'7" | 30 480 67 200 | 4 900 10 803 | 25 580 56 394 | 75,8 2 677 | HLXU 467 000 – 467 299 | |
| | 12 021 39'5⅝/14" | 2 346 7'8⅜" | 2 695 8'10⅛" | 2 620 8'7⅛" | 30 480 67 200 | 4 900 10 803 | 25 580 56 394 | 76,0 2 684 | HLXU 665 000 – 665 199 | |
| | 12 022 39'5⅝/16" | 2 346 7'8⅜" | 2 695 8'10⅛" | 2 620 8'7⅛" | 32 500 71 650 | 5 200 11 470 | 27 300 60 180 | 76,0 2 684 | HLXU 665 200 – 666 949 | |

Remarks:

Roof with hinged rings for easy removal by a fork-lift truck.

Up to 21 lashing rings on each top longitudinal rail; particularly suitable for the transport of hanging garment equipment.

The 40' hardtop has a removable turnbuckle positioned dead centre between both top rails.

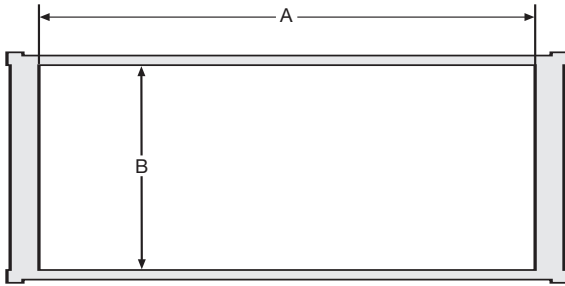
This may reduce the cargo height, if left in position and not stored.

Roof and door openings please see next page.

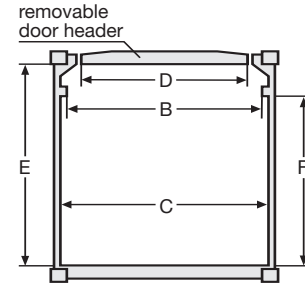
Provided with passive vents.

Roof and door openings of Hardtop Containers

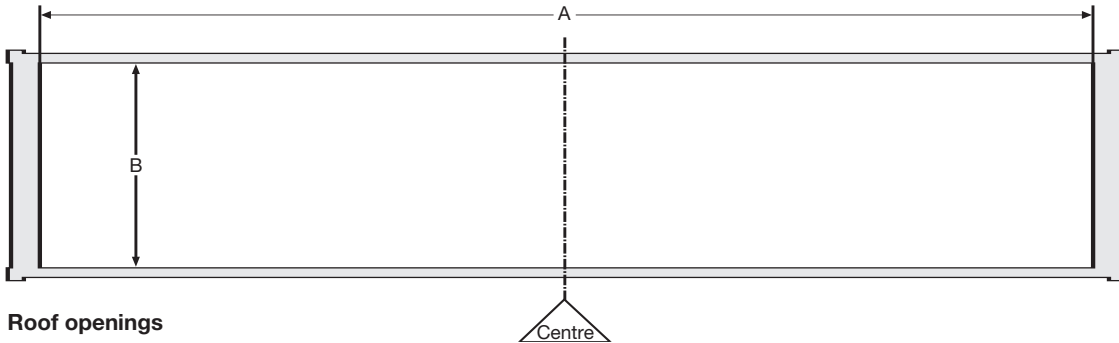
20', 40', 40'/9'6"



Roof openings



Door openings



Roof openings

Attention: Reduced inside height due to adjust bar, in the centre ~ -160 mm

Roof and door openings of Hardtop Containers

20', 40', 40'/9'6"

| | Roof openings | | Door openings | | | Roof lashed to sidewall | | | | | Hapag-Lloyd Serial Number | Foot- note |
|--------------------------------|--|--|--|--|--|--|---|--|---|--|--|---------------|
| | Length | Width | Width | | Height | | Reduced Inside Width | | | | | |
| | A | B | C | D Swing header opening | B Between top rails | E Up to door header | F Up to top rail | | Roof opening | Door opening | | |
| mm ft | mm ft | mm ft | mm ft | mm ft | mm ft | mm ft | mm ft | mm ft | mm ft | mm ft | | |
| 20' 8'6" high | 5 590 18'4" | 2 208 7'2 ⁷ / ₈ " | 2 336 7'8" | 1 896 6'2 ⁵ / ₈ " | 2 208 7'2 ⁷ / ₈ " | 2 276 7'5 ⁵ / ₈ " | 2 220 7'3 ³ / ₈ " | 2 209 7'3" | 2 142 7'1 ¹ / ₄ " | 2 206 7'2 ⁷ / ₈ " | FANU 260 200 – 261 399 HLXU 365 000 – 365 649 | |
| | 5 590 18'4" | 2 208 7'2 ⁷ / ₈ " | 2 336 7'8" | 1 896 6'2 ⁵ / ₈ " | 2 208 7'2 ⁷ / ₈ " | 2 292 7'6 ¹ / ₄ " | 2 220 7'3 ³ / ₈ " | 2 209 7'3" | 2 142 7'1 ¹ / ₄ " | 2 206 7'2 ⁷ / ₈ " | FANU 261 400 – 261 799 | |
| | 5 590 18'4" | 2 208 7'2 ⁷ / ₈ " | 2 336 7'8" | 1 896 6'2 ⁵ / ₈ " | 2 208 7'2 ⁷ / ₈ " | 2 275 7'2 ³ / ₄ " | 2 231 7'3 ³ / ₄ " | 2 215 7'3 ¹ / ₈ " | 2 148 7'1 ¹ / ₂ " | 2 212 7'3" | HLXU 365 650 – 365 949 | |
| | 11 724 38'5 ¹ / ₂ " | 2 208 7'2 ⁷ / ₈ " | 2 336 7'8" | 1 896 6'2 ⁵ / ₈ " | 2 208 7'2 ⁷ / ₈ " | 2 276 7'5 ⁵ / ₈ " | 2 220 7'3 ³ / ₈ " | 2 209 7'3" | 2 142 7'1 ¹ / ₄ " | 2 206 7'2 ⁷ / ₈ " | FANU 462 400 – 463 999 HLXU 465 000 – 465 649 | |
| 40' 8'6" high | 11 724 38'5 ¹ / ₂ " | 2 208 7'2 ⁷ / ₈ " | 2 334 7'7 ⁷ / ₈ " | 1 882 6'2 ¹ / ₂ " | 2 208 7'2 ⁷ / ₈ " | 2 290 7'6 ¹ / ₈ " | 2 125 6'11 ⁵ / ₈ " | 2 205 7'2 ³ / ₄ " | 2 102 6'10 ³ / ₄ " | 1 996 6'6 ¹ / ₂ " | HLXU 467 950 – 467 999 | |

| | Roof openings | | Door openings | | | Roof lashed to sidewall | | | | | Hapag-Lloyd Serial Number | Foot- note |
|--------------------------------|--|--|--|---|--|--|--|--|--|--|---------------------------------|---------------|
| | Length | Width | Width | | Height | | Reduced Inside Width | | | | | |
| | A | B | C | D Swing header opening | B Between top rails | E Up to door header | F Up to top rail | | Roof opening | Door opening | | |
| mm ft | mm ft | mm ft | mm ft | mm ft | mm ft | mm ft | mm ft | mm ft | mm ft | mm ft | | |
| 40' 9'6" high | 11 724 38'5 ¹ / ₂ " | 2 208 7'2 ⁷ / ₈ " | 2 336 7'8" | 1 896 6'2 ⁵ / ₈ " | 2 208 7'2 ⁷ / ₈ " | 2 597 8'6 ¹ / ₄ " | 2 525 8'3 ³ / ₈ " | 2 230 7'3 ³ / ₄ " | 2 163 7'1 ¹ / ₈ " | 2 227 7'3 ⁵ / ₈ " | HLXU 467 000 – 467 299 | |
| | 11 724 38'5 ¹ / ₂ " | 2 212 7'2 ¹ / ₈ " | 2 340 7'8 ¹ / ₈ " | 1 808 5'11 ¹ / ₈ " | 2 212 7'3 ¹ / ₈ " | 2 581 8'5 ⁵ / ₈ " | 2 523 8'3 ³ / ₈ " | 2 230 7'3 ³ / ₄ " | 2 161 7'1 ¹ / ₈ " | 2 227 7'3 ⁵ / ₈ " | HLXU 665 000 – 666 349 | |

Open Top Container

20'

ISO Size Type Code: 22U1



- Especially for
 - overheight cargo
 - loading from top side, e.g. by crane
 - loading from door side, e.g. with cargo hanging from overhead tackle
- Floor Height 170 mm - 5mm (Ground level to interior floor surface)
- Door header can be swung out on all open top containers

- If required, we can provide disposable tarpaulins. For fastening tarpaulins, lashing bars are available on the outside of the walls. Using one way tarpaulins requires the corner castings to be accessible.
- Fork-lift pockets for loaded containers.
- Numerous lashing devices on the top and bottom longitudinal rails and the corner posts.

Lashing devices have a permissible load of 1 000 kg (2 20 lbs) each.

- **Dimensions of roof and door openings please see page 29.**

Open Top Container

20'

| Construction | Inside Dimensions | | | | Weights | | | Capacity | Hapag-Lloyd Serial Number | Foot- note |
|--|---|--|--|--|----------------------------|-------------------|------------------------------|-------------------------|--|---------------|
| | Length | Width | Height | | Max. Gross kg lbs | Tare kg lbs | Max. Payload kg lbs | | | |
| | | | Middle mm ft | Side mm ft | | | | m ³ cu.ft | | |
| 8'6" high | 5 888 19'3 ³ / ₄ " | 2 345 7'8 ¹ / ₈ " | 2 365 7'9" | 2 315 7'7 ¹ / ₈ " | 30 480 67 200 | 2 250 4 960 | 28 230 62 240 | 32,0 1 130 | HLXU 260 000 – 260 849 | |
| Steel container with corrugated walls, wooden floor and removable tarpaulin | 5 897 19'4 ¹ / ₈ " | 2 350 7'8 ¹ / ₂ " | 2 377 7'9 ¹ / ₂ " | 2 347 7'8 ³ / ₈ " | 30 480 67 200 | 2 350 5 180 | 28 130 62 020 | 32,5 1 148 | CPSU 800 001 – 800 549 HLXU 260 850 – 261 599 | |
| | 5 895 19'4 ¹ / ₈ " | 2 350 7'8 ¹ / ₂ " | 2 380 7'9 ⁵ / ₈ " | 2 340 7'8 ³ / ₈ " | 32 500 71 650 | 2 250 4 960 | 30 250 66 690 | 32,5 1 148 | HLXU 360 000 – 362 999 | 1) |

Remarks:

1) Concentrated load up increased from 4 tons per running meter in length (3'3³/₈"

Open Top Container

40'

ISO Size Type Code: 42U1



- Especially for
 - overheight cargo
 - loading from top side, e.g. by crane
 - loading from door side, e.g. with cargo hanging from overhead tackle
- Floor Height 170 mm - 5mm (Ground level to interior floor surface)

- Door header can be swung out on all open top containers
- Numerous lashing devices on the top and bottom longitudinal rails and the corner posts. Lashing devices have a permissible load of 1 000 kg(2 205 lbs) each.

- **Dimensions of roof and door openings please see page 29.**

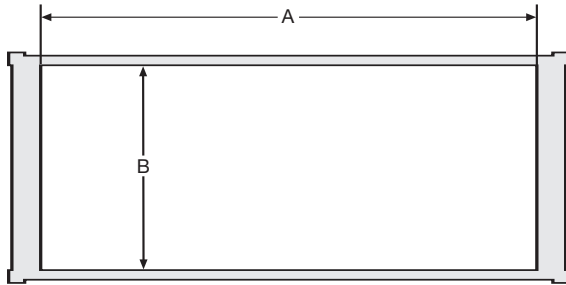
Open Top Container

40'

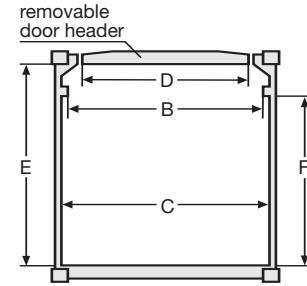
| Construction | Inside Dimensions | | | | Weights | | | Capacity | Hapag-Lloyd Serial Number | Foot- note |
|--|---------------------|-------------------|--------------------|-------------------|----------------------------|-------------------|------------------------------|-------------------------|---------------------------------|---------------|
| | Length | Width | Height | | Max. Gross kg lbs | Tare kg lbs | Max. Payload kg lbs | | | |
| | | | Middle mm ft | Side mm ft | | | | m ³ cu.ft | | |
| 8'6" high | 12 029 39'5 1/2" | 2 342 7'8 1/8" | 2 376 7'9 1/2" | 2 326 7'7 1/2" | 30 480 67 200 | 3 810 8 400 | 26 670 58 800 | 65,5 2 310 | HLXU 460 000 – 460 799 | |
| | 12 022 39'5 1/4" | 2 345 7'8 1/8" | 2 365 7'9 1/8" | 2 315 7'7 1/8" | 30 480 67 200 | 3 740 8 245 | 26 740 58 955 | 65,3 2 306 | FANU 461 500 – 261 749 | |
| Steel container with corrugated walls, wooden floor and removable tarpaulin | 12 030 39'5 5/8" | 2 350 7'8 1/2" | 2 377 7'9 1/2" | 2 347 7'8 3/8" | 30 480 67 200 | 3 850 8 490 | 26 630 58 710 | 66,4 2 345 | HLXU 460 800 – 462 119 | |
| | 12 029 39'5 1/2" | 2 350 7'8 1/2" | 2 380 7'9 5/8" | 2 346 7'8 3/8" | 32 500 71 650 | 4 050 8 929 | 28 450 62 721 | 66,5 2 350 | HLXU 560 000 – 566 699 | |

Roof and door openings of Open Top Containers

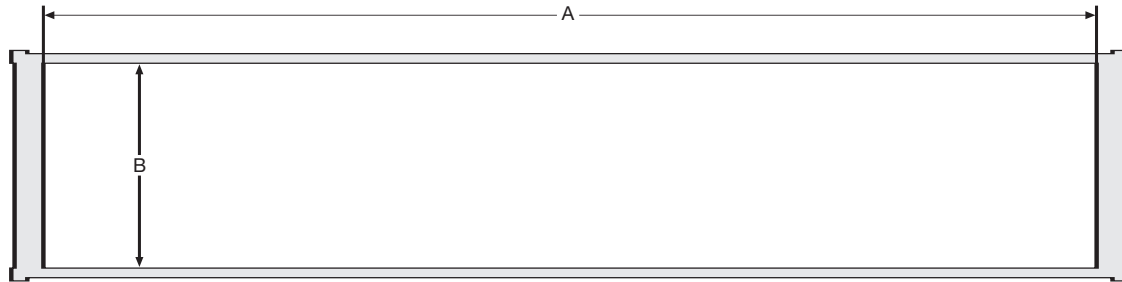
20', 40'



Roof openings



Door openings



Roof openings

Roof and door openings of Open Top Containers

20', 40'

| 20' 8'6" high | Roof openings | | Door openings | | | | | Hapag-Lloyd Serial Number | Foot- note |
|---|--|---------------|--|--|--|---|--|---------------------------------|---------------|
| | Length | Width | Width | | | Height | | | |
| | A | B | C | D Swing header openings | B Between top rails | E Up to door header | F Up to top rail | | |
| | mm ft | mm ft | mm ft | mm ft | mm ft | mm ft | mm ft | | |
| 5 360 17'7" | 2 205 7'2 ³ / ₄ " | 2 335 7'8" | 1 880 6'2" | 2 205 7'2 ³ / ₄ " | 2 280 7'5 ³ / ₄ " | 2 125 6'11 ⁵ / ₈ " | HLXU 260 000 – 260 849 | | |
| 5 338 17'6 ¹ / ₈ " | 2 230 7'3 ³ / ₄ " | 2 338 7'8" | 1 902 6'2 ⁷ / ₈ " | 2 230 7'3 ³ / ₄ " | 2 280 7'5 ³ / ₄ " | 2 231 7'1" | CPSU 800 001 – 800 549 HLXU 260 850 – 261 599 | | |
| 5 338 17'6 ¹ / ₈ " | 2 230 7'3 ³ / ₄ " | 2 338 7'8" | 1 899 6'2 ⁷ / ₈ " | 2 230 7'3 ³ / ₄ " | 2 280 7'5 ³ / ₄ " | 2 231 7'1" | HLXU 360 000 – 361 549 | | |

| 40' 8'6" high | Roof openings | | Door openings | | | | | Hapag-Lloyd Serial Number | Foot- note |
|---|--|--|---|--|--|---|------------------------|---------------------------------|---------------|
| | Length | Width | Width | | | Height | | | |
| | A | B | C | D Swing header openings | B Between top rails | E Up to door header | F Up to top rail | | |
| | mm ft | mm ft | mm ft | mm ft | mm ft | mm ft | mm ft | | |
| 11 544 37'10 ¹ / ₂ " | 2 230 7'3 ³ / ₄ " | 2 336 7'8" | 1 885 6'2 ¹ / ₈ " | 2 230 7'3 ³ / ₄ " | 2 280 7'5 ³ / ₄ " | 2 146 7'1 ¹ / ₂ " | HLXU 460 000 – 460 799 | | |
| 11 550 37'10 ³ / ₄ " | 2 205 7'2 ³ / ₄ " | 2 335 7'8" | 1 880 6'2" | 2 205 7'2 ³ / ₄ " | 2 280 7'5 ³ / ₄ " | 2 125 6'11 ⁵ / ₈ " | FANU 461 500 – 461 749 | | |
| 11 573 37'11 ⁵ / ₈ " | 2 210 7'3" | 2 338 7'8" | 1 902 6'2 ⁷ / ₈ " | 2 210 7'3" | 2 292 7'6 ¹ / ₄ " | 2 131 6'11 ⁷ / ₈ " | HLXU 460 800 – 362 119 | | |
| 11 552 37'10 ³ / ₄ " | 2 230 7'3 ³ / ₄ " | 2 340 7'8 ¹ / ₈ " | 1 900 6'2 ¹ / ₁₆ " | 2 230 7'3 ³ / ₄ " | 2 282 7'5 ³ / ₄ " | 2 163 7'1 ¹ / ₈ " | HLXU 560 000 – 566 699 | | |

Flat - All Types

20'

ISO Size Type Code: 8'6" high, 22P3, 22P8



- Especially for heavy loads and over-size cargo as well as project cargo.
- Fork-lift pockets for loaded containers.
- Numerous very strong lashing devices on the corner posts, longitudinal rails and on the floor or base ends. Lashing devices on the longitudinal rails have a permissible load up to 5 000 kg each.
- **Maximum payload can only be used if distributed over the total floor area of flatrack. If concentration of heavy load on a small part of floor area is required please contact your Hapag-Lloyd partner office for stowage advice.**
- Flats are delivered without stanchions. If stanchions are required please inform us upon booking.
- Collapsible flatracks, provided with spring assisted endwalls.
- Collapsible flatracks, provided with twistlocks to interlock 7 units into a 8'6" high pile.

Flat

20'

| Construction | Inside Dimensions | | | | | | Weights | | | Hapag-Lloyd Serial Number | Foot-note |
|---|---|---|--|--|--|--|-------------------------|-------------------|---------------------------|---------------------------|-----------|
| | Length between panels mm ft | Length between posts mm ft | Width between posts mm ft | Width over bott side rails mm ft | Height floor to top face mm ft | Height of bottom mm ft | Max. Gross kg lbs | Tare kg lbs | Max. Payload kg lbs | | |
| 8'6" high Flat/Platform with flushfolding endwalls and softwood floor | 6038 19'9 ³ / ₄ " | 5638 18'6" | 2 226 7'3 ⁵ / ₈ " | 2 208 7'2 ³ / ₈ " | 2 233 7'3 ⁷ / ₈ " | 370 1'2 ¹ / ₂ " | 40 000 88 184 | 2 940 6 482 | 37 060 81 702 | HLXU 368 000 – 368 699 | 1) |
| | 6038 19'9 ³ / ₄ " | 5638 18'6" | 2 226 7'3 ⁵ / ₈ " | 2 194 7'2 ⁷ / ₈ " | 2 233 7'3 ⁷ / ₈ " | 370 1'2 ¹ / ₂ " | 45 000 99 200 | 2 900 6 400 | 42 060 92 800 | HLXU 368 700 – 369 499 | 1)2) |
| Steelframe with collapsible endwalls and softwood floor | 5 950 19'6 ¹ / ₄ " | 5 644 18'6 ¹ / ₈ " | 2 224 7'3 ¹ / ₂ " | 2 194 7'2 ⁷ / ₈ " | 2 226 7'3 ⁵ / ₈ " | 370 1'2 ¹ / ₂ " | 33 000 72 752 | 2 850 6 238 | 30 150 66 469 | HLXU 268 000 – 268 149 | 3) |
| Flat/Platform with flushfolding endwalls and softwood floor | 6038 19'9 ³ / ₄ " | 5638 18'6" | 2 226 7'3 ⁵ / ₈ " | 2 208 7'2 ³ / ₈ " | 2 235 7'4" | 370 1'2 ¹ / ₂ " | 30 480 67 200 | 2 520 5 560 | 27 960 61 64 | HLXU 268 500 – 268 599 | |
| | 6038 19'9 ³ / ₄ " | 5612 18'4 ⁷ / ₈ " | 2 225 7'3 ⁵ / ₈ " | 2 210 7'3" | 2213 7'3 ¹ / ₈ " | 370 1'2 ¹ / ₂ " | 34 000 74 950 | 2 740 6 040 | 31 260 68 910 | HLXU 268 600 – 269 399 | 1) |

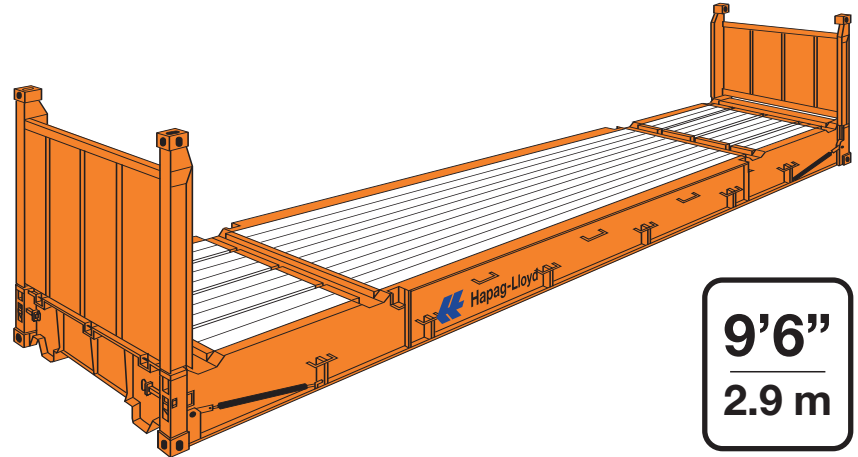
Remarks:

- 1) Length between hinges at floor level: about 83mm less between posts
- 2) no stanchions pockets
- 3) collapsible but not flushfolding

High Cube Flat

40'

ISO Size Type Code: 45P8



9'6"
2.9 m

- Especially for heavy loads and oversize cargo as well as project cargo.
- Extraordinary very strong frame design with folding endwalls which allow bracing and lashing as well as stacking.
- Collapsible flatracks, provided with twist-locks to interlock 4 units into a 8'6" high pile.
- Collapsible flatracks, provided with spring assisted endwalls.
- Used as "Tween decks" in cargo holds and on hatch covers for oversized cargoes.
- Numerous very strong lashing devices on longitudinal rails and base ends have a permissible load of 5 000 kg each.
- Gooseneck tunnel on both ends of all 40' flats.
- **The permissible payload of the flat depends on the resting length of the cargo onto the floor.**
- **Maximum payload can only be used if distributed over the total floor area of the flatrack. If heavy loads are shorter, the payload is reduced. Hapag-Lloyd partner office will give stowage advice.**
- Heavy cargo must rest on the main girder.
- Flats are delivered without stanchions.

High Cube Flat

40'

| Construction | Inside Dimensions | | | | | | Weights | | | Hapag-Lloyd Serial Number | Foot-note |
|---|--|--|--|--|--|--|-------------------|-----------------|-------------------|--|-----------|
| | Length of floor | Length between posts | Width of floor | Width between side rails | Height floor to top face | Height of bottom | Max. Gross | Tare | Max. Payload | | |
| 9'6" high | mm ft | mm ft | mm ft | mm ft | mm ft | mm ft | kg lbs | kg lbs | kg lbs | | |
| Steelframe with collapsible flush-folding endwalls – can be converted to a platform | 12 060 39'6 ³ / ₄ " | 11 660 38'3 ¹ / ₈ " | 2 365 7'9 ¹ / ₈ " | 2 200 7'2 ⁵ / ₈ " | 2 245 7'4 ³ / ₈ " | 648 2'1 ¹ / ₂ " | 45 000 99 210 | 5 700 12 570 | 39 300 86 640 | FANU 468 400 – 468 599 HLXU 468 000 – 469 799 | |
| | 12 084 39'7 ³ / ₄ " | 11 662 38'3 ³ / ₈ " | 2 224 7'3 ¹ / ₂ " | 2 368 7'9 ¹ / ₄ " | 2 245 7'4 ³ / ₈ " | 648 2'1 ¹ / ₂ " | 50 000 110 230 | 5 950 13 120 | 44 050 97 110 | HLXU 668 000 – 669 899 | 1) |
| no stanchions pockets | 12 048 39'6 ¹ / ₄ " | 11 652 38'2 ³ / ₄ " | 2 320 7'7 ³ / ₈ " | 2 347 7'8 ³ / ₈ " | 2 265 7'5 ¹ / ₈ " | 648 2'1 ¹ / ₂ " | 55 000 121 250 | 5 900 12 900 | 49 100 108 350 | HLXU 868 000 – 869 599 | 1) |

Remarks:

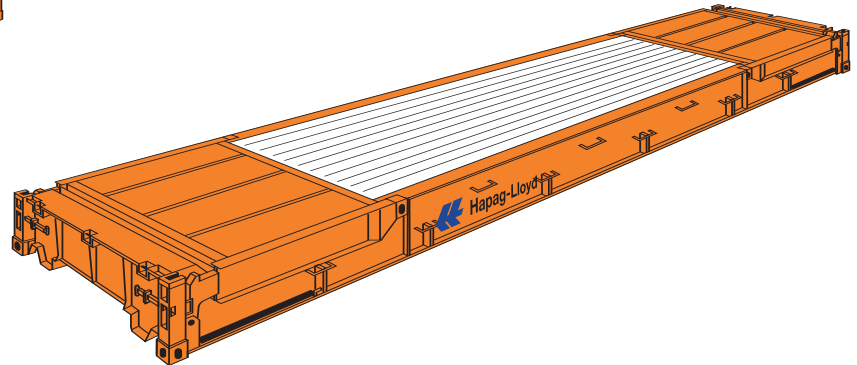
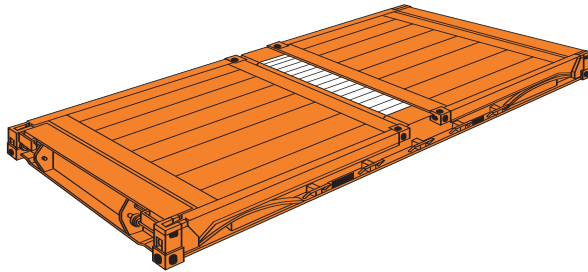
Timber treated according to Australien requirements.

1) Lashing rings 17 each side

Flat-Collapsible and/or Convertible into a Platform

20'/40'

ISO Size Type Code: according to Flat Series



- Especially for heavy loads and oversized cargo.
- Strong bottom construction.
- Gooseneck tunnel on both ends of all 40' platforms.
- Static load up to 85 000 kg as a 40' foundation base. On request available
- Other features please see comparatively flat series.
- Timber treated according to Australian requirements.
- Numerous very strong lashing devices.
- Easy handling/transportation:
20' interlocked pile of max. 7 units
40' interlocked pile of max. 4 units
Combined height of less than 2 591 mm 8'6".
- Transport of heavy loads concentrated on a small load transfer area is possible.
- **Special requirements for big and more heavy cargoes, please contact our special cargo department. Solution plans are already worked out or will be calculated.**

Platform

20'/40'

| Construction | Inside Dimensions | | | Weights | | | Hapag-Lloyd Serial Number | Foot- note |
|---|-------------------|-------------------|------------------------|-------------------|-----------------|-------------------|--|---------------|
| | Length | Width | Height of bottom | Max. Gross | Tare | Max. Payload | | |
| | mm ft | mm ft | mm ft | kg lbs | kg lbs | kg lbs | | |
| 1'11/4" high 20' Steel container with collapsible flushfolding endwalls – can be converted to a platform | 6 058 20' | 2 438 8' | 370 1'2 1/2" | 30 480 67 200 | 2 520 5 560 | 27 960 61 640 | HLXU 268 500 – 268 599 | 1) |
| | 6 058 20' | 2 438 8' | 370 1'2 1/2" | 34 000 74 950 | 2 740 6 040 | 31 260 68 910 | HLXU 268 600 – 269 099 | 1) |
| | 6 058 20' | 2 438 8' | 370 1'2 1/2" | 40 000 88 180 | 2 940 6 480 | 37 060 81 700 | HLXU 368 000 – 368 699 | 1) |
| | 6 058 20' | 2 438 8' | 370 1'2 1/2" | 32 500 71 650 | 4 050 8 929 | 28 450 62 721 | HLXU 368 700 – 369 499 | 1) |
| | 12 192 40' | 2 245 7'4 3/8" | 648 2'1 1/2" | 45 000 99 210 | 5 700 12 570 | 39 300 86 640 | FANU 468 400 – 468 599 HLXU 468 000 – 469 799 | 2)3) 2)3) |
| 2' high 40' Steel container with collapsible flushfolding endwalls – can be converted to a platform | 12 192 40' | 2 245 7'4 3/8" | 648 2'1 1/2" | 50 000 110 230 | 5 950 13 120 | 44 050 97 110 | HLXU 668 000 – 669 999 | 2)3) |
| | 12 192 40' | 2 245 7'4 3/8" | 648 2'1 1/2" | 55 000 121 250 | 5 850 12 900 | 49 150 108 350 | HLXU 868 000 – 869 999 | 2)3) |

Remarks:

- 1) Fork-lift pockets
- 2) Useable as a foundation base, static load up to 85.000 kg on request available
- 3) Equipped with 2 gooseneck tunnels

Ventilated Container

20'

ISO Size Type Code: 22V0



- Especially for cargo which needs ventilation.
- Fork-lift pockets for loaded containers.
- Floor Height 170 mm - 5mm (Ground level to interior floor surface)
- Natural ventilation is provided by openings in top and bottom longitudinal rails. The labyrinth construction of these ventilation openings ensures weatherproofness.
- Numerous lashing devices on the top and bottom longitudinal rails and the corner posts. Lashing devices have a permissible load of 1000 kg (2205 lbs) each.

Ventilated Container

20'

| Construction | Inside Dimensions | | | Door Opening | | Weights | | | Capacity | Hapag-Lloyd Serial Number | Foot- note |
|--|---|--|---|--|--|------------------|----------------|------------------|-------------------------|---------------------------------|---------------|
| | Length | Width | Height | Width | Height | Max. Gross | Tare | Max. Payload | | | |
| 8'6" high | mm ft | mm ft | mm ft | mm ft | mm ft | kg lbs | kg lbs | kg lbs | m ³ cu.ft | | |
| Steel container with corrugated walls and wooden floor | 5 880 9'4 ³ / ₄ " | 2 325 7'7 ¹ / ₂ " | 2 392 7'10 ¹ / ₈ " | 2 334 7'7 ⁷ / ₈ " | 2 290 7'6 ¹ / ₈ " | 30 480 67 200 | 2 400 5 290 | 28 080 61 910 | 33 1167 | HLXU 250 000 – 250 599 | |
| | 5 895 19'4 ¹ / ₈ " | 2 321 7'7 ³ / ₈ " | 2 392 7'10 ¹ / ₈ " | 2 340 7'8 ¹ / ₈ " | 2 292 7'6 ¹ / ₄ " | 30 480 67 200 | 2 290 5 490 | 27 990 61 710 | 33 1167 | HLXU 250 600 – 251 749 | 2)3) |

Remarks:

10 lashing rings on each top longitudinal rail; particularly suitable for the transport of hanging garments racks.

2) Provided with extra lashing rings/bars for the transport of liner bags in the corner posts adjacent to the corner castings.

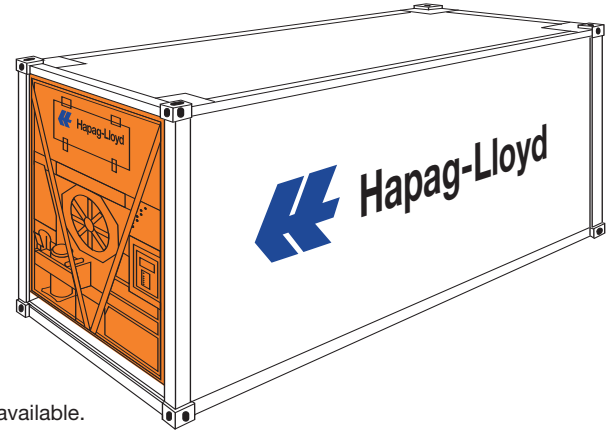
3) ISO size type code: 22 V0

Refrigerated Container (Temperature Controlled Container)

20'

ISO Size Type Code: 22R1, 22R9

- Unique inspection and maintenance (PTI) procedure prior shipments
- Container built and tested to fulfill or even exceed industrial standards and regulations.
- Each single container certified by leading classification societies.
- State of the art insulation factors.
- Low CO2 footprint due to low power consuming refrigeration technology.
- Only environment friendly refrigerants used.
- Container available to maintain temperature control range as low as -35°C up to + 30°C
- Containers built to maintain temperature in ambient environment up to 50°C.
- State of the art integrated data logger storing temperatures and events hourly.
- Advanced fresh air exchange control based on CO2 available.
- Transfresh option available.
- Fresh air recording available.
- Controlled fresh air supply with up to 250 cbm/h.
- Most reefers with de-humification option equipped.
- MTS multi temp. setting option available.
- Containers certified for cold treatment control (USDA).
- ATO-DLO certification e.g.for flower bulb transportation.
- Bulb Mode option available.
- On demand defrost avoiding unnecessary heat supply.
- Dedicated equipment for non-foodstuff cargoes, others solely for foodstuff cargoes.
- Low tare weight = high payload designed container.
- Hygienically designed sealing free container with side lining protecting scuff lining.
- Please note maximum stowage height in below tables as indicated red line inside the container in order to ensure proper air circulation
- All cargo shall be pre-cooled to match the required in transit temperature.
- Technical specification and illustration of electric plug see page 42.
- All containers suitable for shore power supply like clip-on generators.
- Voltages: 380V/50 Hz to 460V/60Hz



Refrigerated Container

20'

Containers are available for set points as low as **-35° C and up to +30° C**, please contact your local Hapag-Lloyd office for availability.

| Construction | Inside Dimensions | | | | Door opening | | Weights | | | Capacity | Hapag-Lloyd Serial Number | Foot-note |
|--|--|--|--|--|--|--|------------------|----------------|------------------|----------------|--|-----------|
| | Length | Width | Height | Max. stow. Height | Width | Height | Max. Gross | Tare | Max. Payload | | | |
| 8'6" high Steelframe, Sandwich walls | mm | mm | mm | mm | mm | mm | kg | kg | kg | m ³ | | |
| | ft | ft | ft | ft | ft | ft | lbs | lbs | lbs | cu.ft | | |
| | 5 479 17'11 ⁵ / ₈ " | 2 286 7'6" | 2 257 7'4 ⁷ / ₈ " | 2 157 7'7 ¹ / ₈ " | 2 286 7'6" | 2 220 7'3 ³ / ₈ " | 30 480 67 200 | 3 160 6 970 | 27 320 60 230 | 28,3 999 | HLXU 270 000 – 270 499 HLXU 171 000 – 171 249 | 1) |
| | 5 459 17'10 ⁷ / ₈ " | 2 295 7'6 ³ / ₈ " | 2 268 7'5 ¹ / ₄ " | 2 168 7'1 ³ / ₈ " | 2 291 7'6 ¹ / ₈ " | 2 259 7'4 ⁷ / ₈ " | 30 480 67 200 | 3 050 6 720 | 27 430 60 480 | 28,4 1003 | HLXU 270 500 – 270 699 | |
| | 5 448 17'10 ¹ / ₂ " | 2 290 7'6 ¹ / ₈ " | 2 264 7'5 ¹ / ₈ " | 2 164 7'1 ¹ / ₈ " | 2 286 7'6" | 2 260 7'5" | 30 480 67 200 | 3 060 6 750 | 27 420 60 450 | 28,3 999 | HLXU 370 000 – 370 849 | |
| | 5 534 18'1 ⁷ / ₈ " | 2 316 7'7 ¹ / ₈ " | 2 331 7'7 ³ / ₄ " | 2 231 7'3 ³ / ₄ " | 2 316 7'7 ¹ / ₈ " | 2 290 7'6 ¹ / ₈ " | 30 480 67 200 | 3 030 6 680 | 27 450 60 520 | 29,9 1056 | HLXU 370 850 – 371 049 | |
| | 5 529 18'1 ⁵ / ₈ " | 2 316 7'7 ¹ / ₈ " | 2 331 7'7 ³ / ₄ " | 2 290 7'6 ¹ / ₈ " | 2 316 7'7 ¹ / ₈ " | 2 290 7'6 ¹ / ₈ " | 30 480 67 200 | 2 960 6 530 | 27 520 60 670 | 29,9 1056 | HLXU 371 050 – 371 249 | |
| | 5 535 18'1 ⁷ / ₈ " | 2 284 7'5 ⁷ / ₈ " | 2 270 7'5 ³ / ₈ " | 2 224 7'3 ¹ / ₂ " | 2 290 7'6 ¹ / ₈ " | 2 264 7'5 ¹ / ₈ " | 30 480 67 200 | 2 942 6 490 | 27 538 60 710 | 28,7 1014 | HLXU 371 250 – 374 999 | |

Remarks:

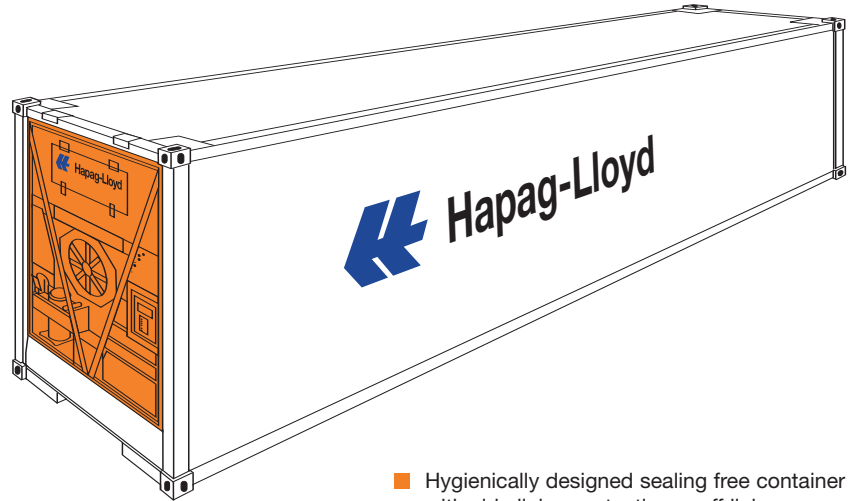
1) **Not to be used for foodstuffs.**

Refrigerated Container (Temperature Controlled Container)

40'

ISO Size Type Code: 45R1 High Cube, 42R9

- Unique inspection and maintenance (PTI) procedure prior shipments
- Container built and tested to fulfill or even exceed industrial standards and regulations.
- Each single containers certified by leading classification societies.
- State of the art insulation factors.
- Low CO2 footprint due to low power consuming refrigeration technology.
- Only environment friendly refrigerants used.
- Container available to maintain temperature control range as low as -35°C up to + 30°C
- Containers built to maintain temperature in ambient environment up to 50°C.
- State of the art integrated data logger storing temperatures and events hourly.
- Advanced fresh air exchange control based on CO2 available.
- Transfresh option available.
- Fresh air recording available.
- Controlled fresh air supply with up to 280 cbm/h.
- Mosts reefers with de-humification option equiped.
- MTS multi temp. setting option available.



- Containers certified for cold treatment control (USDA).
- ATO-DLO certification e.g.for flower bulb transportation.
- Bulb Mode option available.
- On demand defrost avoiding unnessary heat supply.
- Dedicated equipment for non-foodstuff cargoes,others solely for foodstuff cargoes.
- Low tare weight = high payload designed container.
- Hygienically designed sealing free container with side lining protecting scuff lining.
- Please note maximum stowage height in below tables as indicated red line inside the container in order to ensure proper air circulation
- All cargo shall be pre-cooled to match the required in transit temperature.
- Technical specification and illustration of electric plug see page 42.
- All containers suitable for shore power supply like clip-on generators.
- Voltages: 380V / 50 Hz to 460V / 60Hz

High Cube Refrigerated Container

40'

Containers are available for set points as low as **-35° C and up to +30° C**, please contact your local Hapag-Lloyd office for availability.

| Construction | Inside Dimensions | | | | Door opening | | Weights | | | Capacity | Hapag-Lloyd Serial Number | Foot-note |
|----------------------------|----------------------------|----------------|----------------|-------------------|----------------|----------------|------------------|-----------------|------------------|----------------|--|-----------|
| | Length | Width | Height | Max. stow. Height | Width | Height | Max. Gross | Tare | Max. Payload | | | |
| 8'6" high non foodstuff | mm | mm | mm | mm | mm | mm | kg | kg | kg | m ³ | | |
| Steelframe, Sandwich walls | ft | ft | ft | ft | ft | ft | lbs | lbs | lbs | cu.ft | | |
| | 11 563 37'11¼" | 2 294 7'6¼" | 2 261 7'5" | 2 161 7'1" | 2 288 7'6" | 2 188 7'2⅛" | 34 000 74 960 | 4 600 10 140 | 29 400 64 820 | 60,0 2120 | HLXU 770 000 – 770 149 | 1) |
| 9'6" high | 11 577 37'11¾" | 2 286 7'6" | 2 525 8'3⅜" | 2 400 7'10½" | 2 286 7'6" | 2 490 8'2" | 34 000 74 950 | 4 110 9 060 | 28 890 65 900 | 66,8 2 366 | HLXU 476 650 – 477 999 HLXU 776 000 – 776 099 | 1) |
| | 11 555 37'10⅞" | 2 294 7'6¼" | 2 237 7'4" | 2 130 6'11⅞" | 2 294 7'6¼" | 2 478 8'1½" | 34 000 74 950 | 4 060 9 480 | 29 940 62 170 | 66,5 2 400 | CPSU 500 000 – 500 327 | |
| | 11 590 38'1¼" | 2 294 7'6¼" | 2 554 8'4½" | 2 450 8'⅜" | 2 290 7'6⅛" | 2 569 8'5⅛" | 34 000 74 950 | 4 660 9 350 | 29 340 62 250 | 67,0 2 345 | CPSU 510 000 – 517 298 | |
| | 11 583 38' | 2 286 7'6" | 2 532 8'3⅝" | 2 412 7'11" | 2 294 7'6¼" | 2 550 8'4⅜" | 34 000 74 950 | 4 120 9 080 | 29 880 65 870 | 67,0 2 366 | HLXU 478 600 – 478 999 | |
| | 11 595 38'½" | 2 296 7'6⅜" | 2 542 8'4" | 2 402 7'10½" | 2 294 7'6¼" | 2 550 8'4⅜" | 34 000 74 950 | 4 190 9 230 | 29 810 65 720 | 67,7 2 390 | HLXU 670 000 – 670 399 | |
| | 11 595 38'½" | 2 296 7'6⅜" | 2 542 8'4" | 2 402 7'10½" | 2 294 7'6¼" | 2 550 8'4⅜" | 34 000 74 950 | 4 150 9 150 | 29 850 65 609 | 66,8 2 359 | HLXU 670 400 – 677 399 | |
| | 11 595 38'½" | 2 296 7'6⅜" | 2 542 8'4" | 2 402 7'10½" | 2 294 7'6¼" | 2 550 8'4⅜" | 34 000 74 950 | 4 150 9 150 | 29 850 65 609 | 66,8 2 366 | HLXU 870 000 – 879 999 | |
| | Steelframe, Sandwich walls | | | | | | | | | | | |

Remarks:

1) **Not to be used for foodstuffs.**

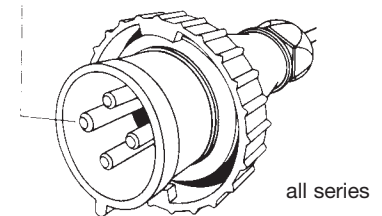
Electric Plug on Refrigerated Containers

- Depending on power sources refrigerated containers are equipped with 1 plug
380 V/50 Hz to 460 V/60 Hz (32 A).
- There are fixed cables with a length of 18 m (49 ft).
- Couplings for adapters are available.
- **Adapters are subject to corresponding safety regulations.**

380/460 V plugs:

- 4poles according to CEE.
- According to ISO 1496-2 annex M.
- **Earth contact in 3hr position according to socket.**

Earth Contact



Change of Temperature setpoint on Refrigerated Containers

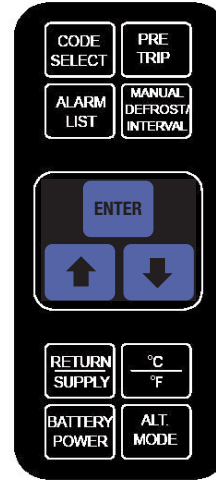


Thermo King

To change the controller setpoint, turn the **UNIT ON/OFF** switch **ON**.

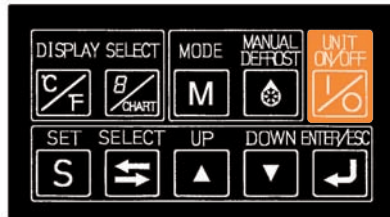
Complete the following steps:

1. Press the key.
2. Press the or key to scroll to **TEMP SETP** line.
3. Press the key. For a minus setpoint, press the key first. Type the new Temperature setpoint in using the general purpose keypad.
4. Press and hold the key until the cursor stops flashing. The new setpoint appears in the LCD display.
5. Press the key to exit the menu.



Carrier

1. Press the or key to change the setpoint (the left display will blink).
2. Press the key at the desired setting to confirm and exit the selection menu.



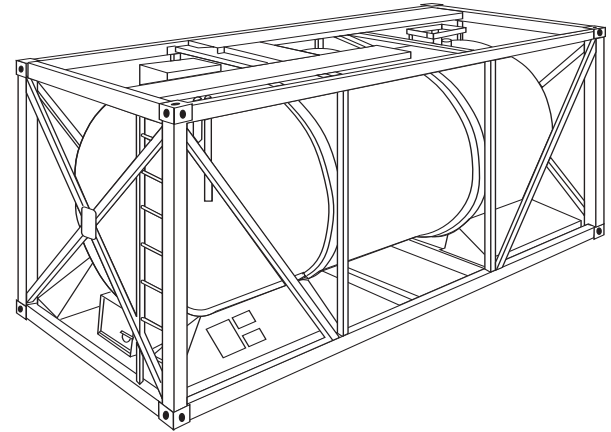
Daikin

1. Press the key to scroll to **"SET-SPC"**.
2. Press the or to change the setpoint.
3. Press the key to set desired setting and exit the menu.

Tank Container

20'

ISO Size Type Codes: 20T5 = 8' high, 22T0 = 8'6" high, 22T5, 22T6



■ Hapag-Lloyd provides tank containers which are approved to the highest standards. Depending on the characteristics of the products to be carried the requirements vary. Hapag-Lloyd offer their services on operational, technical and regulatory questions.

■ Separate tank fleets are available for:

FOODSTUFFS, e.g.:

- Alcohols
- Fruit juices
- Edible oils
- Food additives

CHEMICAL PRODUCTS, e.g.:

- Flammables
- Oxidising agents
- Toxic substances
- Corrosives

■ Tanks must be filled to not less than 80 % of their capacity to avoid dangerous surge/swell during transport.

■ Tanks must not be filled to 100 % of their capacity. Sufficient ullage space shall be left – which must be determined depending on the thermal expansion of the product to be carried.

■ Certain dangerous products must be carried in tanks having no openings below the surface level of the liquid. Such tanks must be discharged through a syphon pipe by either pressure or pumping.

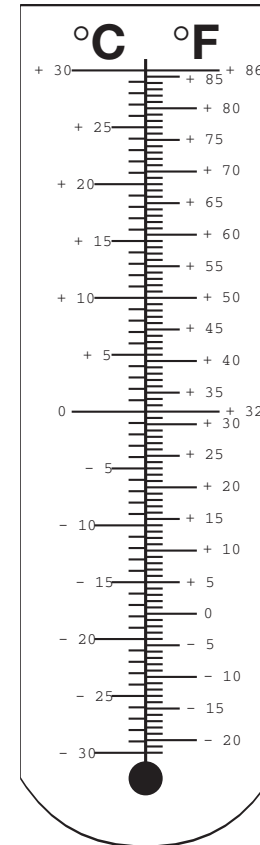
■ National road/rail weight limitations have to be maintained when arranging land transports.

■ For the cleaning of tanks and disposal of residues tariff rules apply. Tanks moving in a dedicated service are exempted from such rules until the dedication is terminated.

■ **For more details please contact your nearest Hapag-Lloyd office or agent and let our experience work for you.**

Essential Conversion Factors

| Multiply Number of | by | to obtain equivalent Number of |
|------------------------------|---------------------------|--------------------------------|
| Inches/in | 25.4 | Millimetres/mm |
| Feet/ft | 0.3048 | Metres/m |
| Millimetres/mm | 0.0394 | Inches/in |
| Metres/m | 3.281 | Feet/ft |
| Sq. Metres/m | 10.7639 | Sq. Feet/ft |
| Sq. Feet/ft | 0.0929 | Sq. Metres/m |
| Cu. Feet/ft | 0.0283 | Cu. Metres/m |
| Cu. Metres/m | 35.315 | Cu. Feet/ft |
| Litres | 0.0353 | Cu. Feet/ft |
| Cu. Feet/ft | 28.317 | Litres |
| Litres | 0.2642 | U.S. Gallons |
| U.S. Gallons | 3.785 | Litres |
| Litres | 0.22 | U.K. Gallons |
| U.K. Gallons | 4.5461 | Litres |
| U.K. Gallons | 1.2001 | U.S. Gallons |
| U.S. Gallons | 0.8327 | U.K. Gallons |
| Kilograms/kg | 2.2046 | Pounds/lb |
| Pounds/lb | 0.4536 | Kilograms/kg |
| Long Tons (2240 lb) | 1.01605 | Tonnes (2204.62 lb) |
| Tonnes (1000 Kg) | 0.9842 | Long Tons (1016.05 Kg) |
| Bar | 14.504 | PSI |
| PSI | 0.06895 | Bar |
| Inches HG | 0.4912 | PSI |
| PSI | 2.036 | Inches HG |
| Kg/sq. cm | 14.223 | PSI |
| PSI | 0.0703 | Kg/sq. cm |
| Kg/sq. cm | 0.9807 | Bar |
| Bar | 1.02 | Kg/sq. cm |
| Kg/sq. cm | 28.976 | Inches HG |
| Inches HG | 0.0345 | Kg/sq. cm |
| Degrees Fahrenheit | 5/9, after subtracting 32 | Degrees Celsius (Centigrade) |
| Degrees Celsius (Centigrade) | 9/5, and add 32 | Degrees Fahrenheit |



Container Size Type Codes according to ISO 6346

Hapag-Lloyd owned and longterm leased container types

| Size (L x H) | Type | ISO | ISO | ISO | ISO |
|-----------------|------------------------------|--------|--------|-------|------|
| | | Type | Size | Type | Type |
| | | Group | Type | Group | Type |
| | | 1 | 2 | 1a | 2a |
| 20' x 8" | General Purpose | 20GP | 20G0 | | |
| 20' x 8'6" | General Purpose | 22GP | 22G0 | | |
| | | 22GP | 22G1 | | |
| 20' x 8'6" | General Purpose (Fantainer) | 22VH | 22V2 | | |
| | | 22VH | 22V3 * | | 22V2 |
| 20' x 8'6" | Ventilated | 22VH | 22V0 | | |
| 20' x 8'6" | Bulk | 22BU | 22B0 | | |
| 20' x 8'6" | Open Top | 22UT | 22U1 | | |
| 20' x 8'6" | Hardtop | 22UP * | 22U6 * | 22UT | 22U1 |
| 20' x 1'1'1/4" | Platform | 29PL | 29P0 | | |
| 20' x 8' | Flat (fixed ends) | 20PF | 21P1 | | |
| 20' x 8'6" | Flat (fixed ends) | 22PF | 22P1 | | |
| 20' x 8'6" | Flat (collapsible) | 22PC | 22P3 | | |
| 20' x 8'6" | Flat (coll., flush folding) | 22PC | 22P8 * | | 22P3 |
| 20' x 8'6" | Refrigerated | 22RT | 22R1 | | |
| 20' x 8'6" | Refrigerated (no foodstuffs) | 22RC * | 22R9 * | 22RT | 22R1 |
| 20' x 8' | Insulated | 20HR | 20H0 | | |
| 20' x 8'6" | Tank (non-dangerous liquids) | 22TN | 22T0 | | |
| 40' x 8'6" | General Purpose | 42GP | 42G0 | | |
| | | 42GP | 42G1 | | |
| 40' x 9'6" | High Cube GP | 45GP | 45G0 | | |
| | | 45GP | 45G1 | | |
| 40' x 8'6" | Open Top | 42UT | 42U1 | | |
| 40' x 8'6" | Hardtop | 42UP * | 42U6 * | 42UT | 42U1 |
| 40' x 9'6" | High Cube Hardtop | 45UP * | 45U6 * | 45UT | 45U1 |
| 40' x 2' | Platform | 49PL | 49P0 | | |
| 40' x 8'6" | Flat (fixed ends) | 42PF | 42P1 | | |
| 40' x 8'6" | Flat (collapsible) | 42PC | 42P3 | | |
| 40' x 8'6" | Flat (coll., flush folding) | 42PC | 42P8 * | | 42P3 |
| 40' x 9'6" | Flat (collapsible) | 45PC | 45P3 | | |
| 40' x 9'6" | Flat (coll., flush folding) | 45PC | 45P8 * | | 45P3 |
| 40' x 8'6" | Refrigerated | 42RT | 42R1 | | |
| 40' x 8'6" | Refrigerated (diesel genset) | 42RS | 42R3 | | |
| 40' x 8'6" | Refrigerated (no foodstuffs) | 42RC * | 42R9 * | 42RS | 42R3 |
| 40' x 9'6" | Refrigerated | 45RT | 45R1 | | |
| 40' x 9'6" | Refrigerated (no foodstuffs) | 45RC * | 45R9 * | 45RT | 45R1 |
| 40' x 8'6" | Insulated | 42HR | 42H0 | | |
| 45' x 9'6" | High Cube Cont. | L5GP | L5G1 | | |

*) Some Types/Groups in columns "1" and "2" are marked as non-ISO.

"*" means ISO spares codes have been used.

If official ISO codes are required for data interchange (di) pls use entries in columns "1a" and "2a".

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