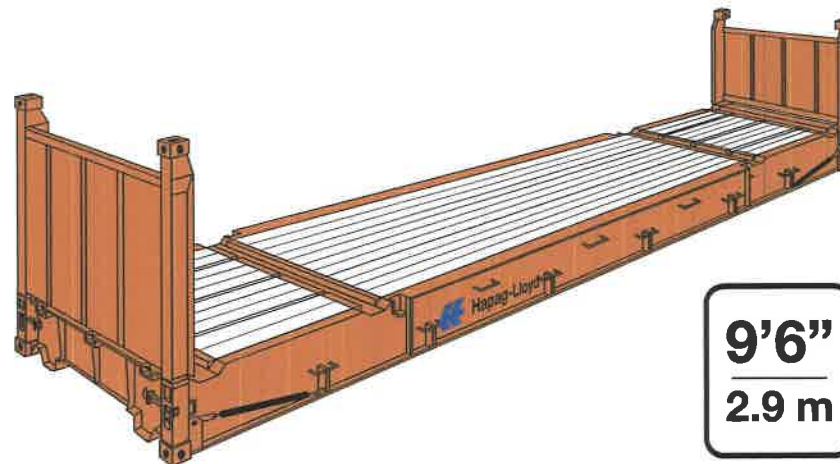


High Cube Flat

ISO Size Type Code: 45P8

40'



- 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 mm ft	Length between posts mm ft	Width of floor mm ft	Width between 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		
9'6" high											
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:

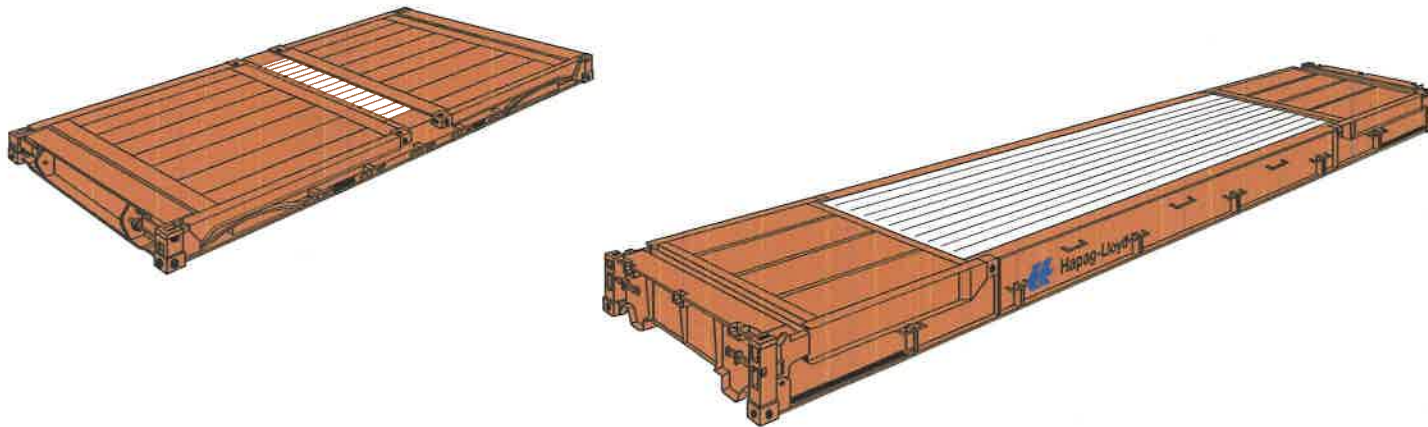
Timber treated according to Australien requirements.

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 2591 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'	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)	
Steel container with collapsible flushfolding endwalls – can be converted to a platform									
	2' high 40'	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)
		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)
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"	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 kg lbs	Tare kg lbs	Max. Payload kg lbs			
8'6" high	mm ft	mm ft	mm ft	mm ft	mm ft				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-humidification 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 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	m ³ cu.ft		
8'6" high	mm	mm	mm	mm	mm	mm	kg	kg	kg			
	ft	ft	ft	ft	ft	ft	lbs	lbs	lbs			
Steelframe, Sandwich walls	5 479 17'11 ⁵ / ₈ "	2 286 7'6"	2 257 7'4 ⁷ / ₈ "	2 157 7'1 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 18'17 ⁸ / 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 18'17 ⁸ / 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:

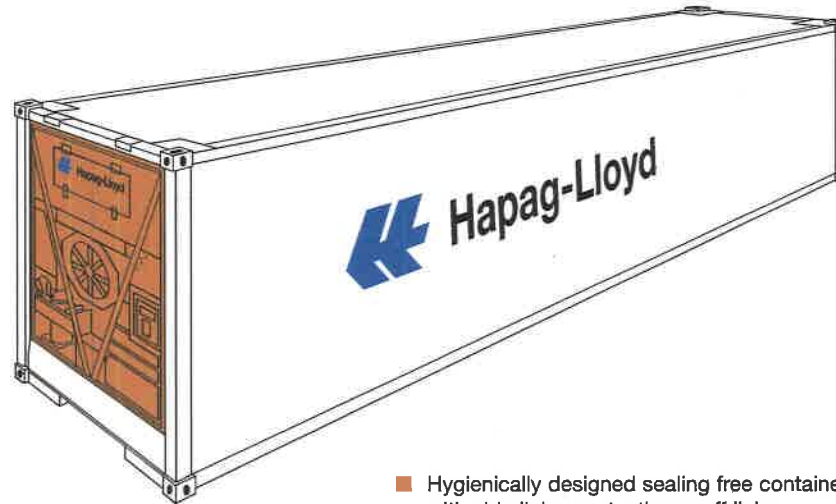
1) Not to be used for foodstuffs.

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 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

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	m ³ cu.ft			
8'6" high non foodstuff	mm ft	mm ft	mm ft	mm ft	mm ft	mm ft	kg lbs	kg lbs	kg lbs				
Steelframe, Sandwich walls	11 563 37'11 1/4"	2 294 7'6 1/4"	2 261 7'5"	2 161 7'1"	2 288 7'6"	2 188 7'2 1/8"	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 37'11 3/4"	2 286 7'6"	2 525 8'3 3/8"	2 400 7'10 1/2"	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 37'10 7/8"		2 294 7'6 1/4"	2 237 7'4"	2 130 6'11 7/8"	2 294 7'6 1/4"	2 478 8'1 1/2"	34 000 74 950	4 060 9 480	29 940 62 170	66,5 2 400	CPSU 500 000 – 500 327		
11 590 38'1/4"		2 294 7'6 1/4"	2 554 8'4 1/2"	2 450 8'3/8"	2 290 7'6 1/8"	2 569 8'5 1/8"	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 8'3 5/8"	2 412 7'11"	2 294 7'6 1/4"	2 550 8'4 3/8"	34 000 74 950	4 120 9 080	29 880 65 870	67,0 2 366	HLXU 478 600 – 478 999		
11 595 38'1/2"		2 296 7'6 3/8"	2 542 8'4"	2 402 7'10 1/2"	2 294 7'6 1/4"	2 550 8'4 3/8"	34 000 74 950	4 190 9 230	29 810 65 720	67,7 2 390	HLXU 670 000 – 670 399		
11 595 38'1/2"		2 296 7'6 3/8"	2 542 8'4"	2 402 7'10 1/2"	2 294 7'6 1/4"	2 550 8'4 3/8"	34 000 74 950	4 150 9 150	29 850 65 609	66,8 2 359	HLXU 670 400 – 677 399		
Steelframe, Sandwich walls		11 595 38'1/2"	2 296 7'6 3/8"	2 542 8'4"	2 402 7'10 1/2"	2 294 7'6 1/4"	2 550 8'4 3/8"	34 000 74 950	4 150 9 150	29 850 65 609	66,8 2 366	HLXU 870 000 – 879 999	

Remarks:

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

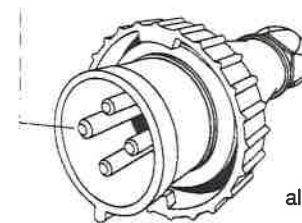
Electric Plug on Refrigerated Containers

- 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:

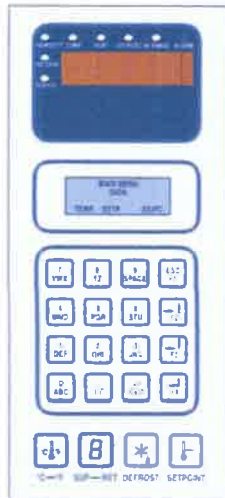
- 4 poles according to CEE.
- According to ISO 1496-2 annex M.
- **Earth contact in 3hr position according to socket.**

Earth Contact



all series








Change of Temperature setpoint on Refrigerated Containers



Thermo King




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

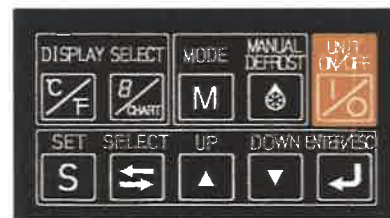
Complete the following steps:

1. Press the  key.
2. Press the  or  key to scroll to **TEMP SETPT** 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.



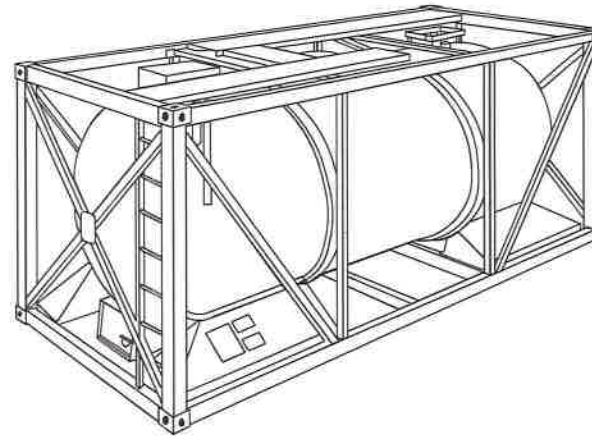
Daikin

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.**