

7.5 Platform trailer K25 H1

All data refer to maxima. Dimensions are subject to tolerance dimensions.

Table 1 – K25 H1

Driving speed when operating with independent steering	[km/h] / [mph]	6 / 4
Steering angle	[°]	60
Operating temperature	[°C] / [°F]	-20 to +45 / -4 to +113
Navigable water depth	[mm] / [inch]	100 / 4
Pendulum angle	[°]	+ /- 12

Table 2a – K25 H1

		Platform trailer				
		K2502 H1	K2503 H1	K2504 H1	K2505 H1	K2506 H1
Total length	[mm] / [inch]	3360 / 132	4860 / 191	6360 / 250	7860 / 309	9360 / 369
Coupling length	[mm] / [inch]	3000 / 118	4500 / 177	6000 / 236	7500 / 295	9000 / 354
Total width	[mm] / [inch]	3000 / 118				
Platform height loaded						
Minimum/middle/maximum	[mm]	875 / 1175 / 1475				
Minimum/middle/maximum	[inch]	35 / 46 / 58				
Platform height unladen						
Minimum/middle/maximum	[mm]	925 / 1225 / 1525				
Minimum/middle/maximum	[inch]	36 / 48 / 60				
Axle compensation at middle platform height	[mm] / [inch]	+/-300 / 12				
Centre distance	[mm] / [inch]	1500 / 59				
Track	[mm] / [inch]	1800 / 71				
Pendulum axle with brake		4	6	8	10	12
Available hydraulic oil volume for number of axles	[L] / [gal]	- / -	220 / 58			
		- / -	22			
Brake system						
Release pressure	[bar] / [psi]	4.3 / 62				
Shut off pressure	[bar] / [psi]	8.5 / 123				
Hydraulic oil volume / axle	[L] / [gal]	10 / 2.6				
Central lubrication system*						
Filling quantity	[kg] / [lbs]	approx. 1.2 / 2.6				
Lubrication time	[min] / [h]	- / -				
Weight	[kg]	7400	10600	13600	17000	20000
	[lbs]	16314	23369	29983	37479	44092

Table 2b – K25 H1

		Platform trailer			
		Spacer K2503 H1			
Total length	[mm] / [inch]	4860 / 191			
Coupling length	[mm] / [inch]	4500 / 177			
Total width	[mm] / [inch]	3000 / 118			
Platform height loaded		-			
Minimum/middle/maximum	[mm]	-			
Minimum/middle/maximum	[inch]	-			
Platform height unladen		-			
Minimum/middle/maximum	[mm]	-			
Minimum/middle/maximum	[inch]	-			
Axle compensation at middle platform height	[mm] / [inch]	-			
Centre distance	[mm] / [inch]	-			
Track	[mm] / [inch]	-			
Pendulum axle with brake		-			
Available hydraulic oil volume for number of axles	[L] / [gal]	-			
		-			
Brake system:		-			
Release pressure	[bar] / [psi]	-			
Shut off pressure	[bar] / [psi]	-			
Hydraulic oil volume / axle	[L] / [gal]	-			
Central lubrication system*		-			
Filling quantity	[kg] / [lbs]	-			
Lubrication time	[min] / [h]	-			
Weight	[kg]	4300			
	[lbs]	9480			

Table 3 – K25 H1

Tyre size		215/75 R 17.5 135/133J twin
Tyre type ***		Continental HTR
		Goodyear RHT II
		Michelin XTE2+
		Nokian NTR72
Max. ground pressure at 10 bar / 145 psi tyre pressure	[N/cm ²] / [lbf/in ²]	90 / 130.5
Permissible hydraulic pressure in suspension at platform height middle and 45,000 kg / 99,208 lbs axle load	[bar] / [psi]	315 / 4569
Hydraulic pressure in steering system at axle load 45,000 kg / 99,208 lbs	[bar] / [psi]	280 / 4060
Hydraulic preload pressure - steering system	[bar] / [psi]	20 / 290

*** When using other tyre types, all data contained in table 5 and table 6 must be confirmed by tyre manufacturer, or payload of vehicle is reduced according to permissible wheel load of the tyre.
The loads specified in table 5 are maximum values.

Table 4a – K25 H1

	Axle load [kg]/[lbs]	Platform trailer		
		K2502 H1	K2503 H1	K2504 H1
Dead weight [kg] / [lbs]		7400 / 16314	10600 / 23369	13600 / 29983
Payload [kg] / [lbs]	12000 / 26455	16600 / 36597	25400 / 55997	34400 / 75839
	16000 / 35274	24600 / 54234	37400 / 82453	50400 / 111113
	23500 / 51808	39600 / 87303	59900 / 132057	80400 / 177252
	31400 / 69225	55400 / 122136	83600 / 184306	112000 / 246918
	45000 / 99208	82600 / 182102	124400 / 274255	166400 / 366849
Total permissible weight [kg] / [lbs]	12000 / 26455	24000 / 52910	36000 / 79366	48000 / 105821
	16000 / 35274	32000 / 70547	48000 / 105822	64000 / 141094
	23500 / 51808	47000 / 103616	70500 / 155426	94000 / 207232
	31400 / 69225	62800 / 138450	94200 / 207675	125600 / 276901
	45000 / 99208	90000 / 198416	135000 / 297624	180000 / 369832

Table 4a – K25 H1

	Axle load [kg]/[lbs]	Platform trailer		
		K2505 H1	K2506 H1	Spacer K2503 H1
Dead weight [kg] / [lbs]		17000 / 37479	20000 / 44092	4300 / 169
Payload [kg] / [lbs]	12000 / 26455	43000 / 94799	52000 / 114640	- / -
	16000 / 35274	63000 / 138891	76000 / 167551	- / -
	23500 / 51808	100500 / 221565	121000 / 266759	- / -
	31400 / 69225	140000 / 308647	168400 / 371259	- / -
	45000 / 99208	208000 / 458562	250000 / 551156	- / -
Total permissible weight kg] / [lbs]	12000 / 26455	60000 / 132277	72000 / 158731	- / -
	16000 / 35274	80000 / 176370	96000 / 211642	- / -
	23500 / 51808	117500 / 259043	141000 / 310849	- / -
	31400 / 69225	157000 / 346126	188400 / 415351	- / -
	45000 / 99208	225000 / 496040	270000 / 595248	- / -

Table 5 – K25 H1

Travel speed [km/h] / [mph]	Axle load [kg] / [lbs]	Pendulum axle load [kg] / [lbs]	Wheel load [kg] / [lbs]	Tyre pressure [bar / psi]
Germany 80 or 62 / 50 or 39	12000 / 26455	6000 / 13228	1500 / 3307	in accordance with table 6
up to 80 / 50	16000 / 35274	8000 / 17637	2000 / 4409	
up to 25 / 16	23500 / 51808	11750 / 25904	2937 / 6475	
up to 10 / 6.25	31400 / 68343	15700 / 34613	3925 / 8653	
up to 1 / 0.625	45000 / 99208	22500 / 49604	5625 / 12401	

Table 6 – K25 H1

Travel speed [km/h] / [mph]	Axle load [kg] / [lbs]	Tyre pressure [bar] / [psi]			
Tyre type in accordance with table 3		Continental HTR	Goodyear RHT II	Michelin XTE2+	Nokian NTR72
Germany 80 or 62 / 50 or 39	in accordance with table 5	8.5 / 123	8.5 / 123	8.5 / 123	8.5 / 123
up to 80 / 50		8.5 / 123	8.5 / 123	8.5 / 123	8.5 / 123
up to 25 / 16		10.5 / 152	10 / 145	10 / 145	9 / 130
up to 10 / 6.25		11.5 / 166	11 / 160	10.5 / 152	9 / 130
up to 1 / 0.625		12.6 / 182	12.6 / 182	12.5 / 181	10 / 145