



## FIETSHANGAR TRANSPORT DATA SHEET

The most cost-effective logistics for Fietshangar delivery is a function of assembly location, installation location, quantity, capabilities, and resources. This transport data sheet aims to provide the inputs to organize efficient and cost effective delivery. Due to the modular design, the minimal skill requirement for assembly and installation, and the smart packaging solutions, three shipping options can be provided.

### 1. Assembled

Assembled shipment is preferable when assembly skills, tools or resources are not easily or cost-effectively available to the recipient. Based on experience assembled transport makes sense at low quantity ( $\leq$ FTL) within a 300 km range of Hoefslag 15, 4131 ME Vianen, The Netherlands. Delivery of assembled Fietshangar products can take place EXW, meaning that the Fietshangars are made available for collection at our Fietshangar warehouse: Hoefslag 15, 4131 ME Vianen, The Netherlands. Loading using forklift equipped with fork extensions is included at the Fietshangar warehouse. Packaging is optional and advisable when LTL(Less Than Truckload)/groupage shipment, trans-shipment and/or warehousing is anticipated. When transporting directly to the installation site by open Hiab crane truck packaging is redundant. The assembled units can be unloaded by forklift fitted with fork extensions with a reach of 2.5m. Configurations with ground-frame can be picked up from under the ground-frame, configurations using adjustable mounting feet will be fitted with wooden beams to allow lifting from the front/back using a forklift with 2.5m extensions. See below for illustrations of this shipping method, optional packaging, and tables with inputs per product type.

FIETSHANGAR 1.8



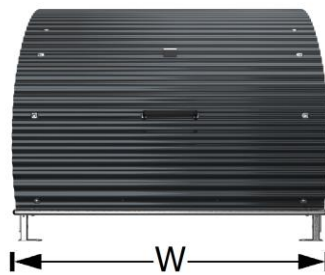
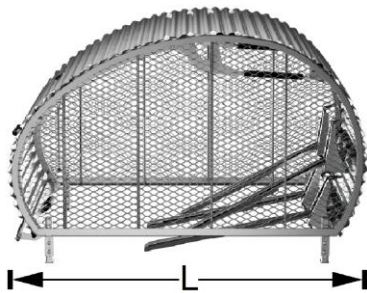
FIETSHANGAR 2.5



Transport packed

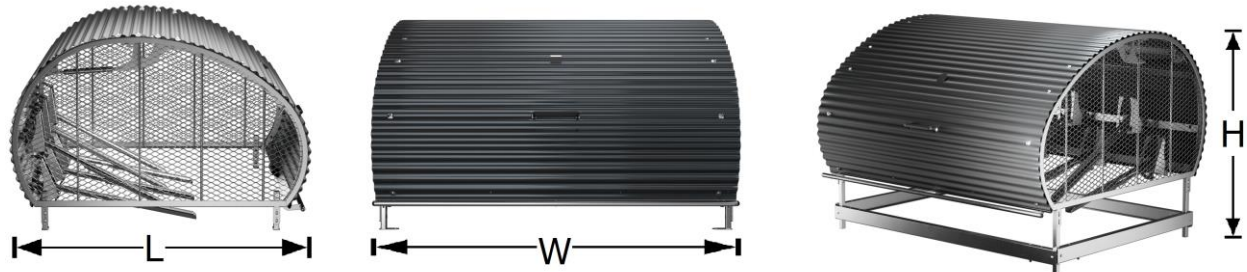


FIETSHANGAR 1.8 Assembled



Quantity	Dimensions (L x W x H in cm)	Gross Weight (kg)	Loading Meters (LDM)	Cubic Meters (CBM)	Full Truck Load (FTL)	Full Container Load (FCL)
1	230 x 190 x 190	350	1.9	8		n/a
2	230 x 380 x 190	700	3.8	16		n/a
3	230 x 570 x 190	1050	5.7	24		n/a
4	230 x 760 x 190	1400	7.6	32		n/a
5	230 x 950 x 190	1750	9.5	40		n/a
6	230 x 1140 x 190	2100	11.4	48		n/a
7	230 x 1330 x 190	2450	13.3	56	FTL	n/a

## FIETSHANGAR 2.5 Assembled



Quantity	Dimensions (L x W x H in cm)	Gross Weight (kg)	Loading Meters (LDM)	Cubic Meters (CBM)	Full Truck Load (FTL)	Full Container Load (FCL)
1	230 x 260 x 190	450	1.9	8		n/a
2	230 x 520 x 190	900	3.8	16		n/a
3	230 x 780 x 190	1350	5.7	24		n/a
4	230 x 1040 x 190	1800	7.6	32		n/a
5	230 x 1300 x 190	2250	9.5	40	FTL	n/a

## 2. Construction Kit

The construction kit is packaged as an upright flatpack, providing a factor 3-to-6 logistic efficiency in terms of space, for both warehousing and transport, compared to shipment of fully assembled units. The kit is packed on a rack based on an A-Frame or L-Frame depending on the size and quantity of units shipped. The A-Frame holds 1 or 2 units, the L-Frame holds 3 units and is advisable for multi-unit transport in shipping containers for allowing 2 L-Frames to fit side by side. In addition to the space efficiency the size of the construction kit allows moving by (extended) pallet jack, and/or by hand using the auxiliary dollies. This facilitates (un)loading without forklift with extensions, by using either tailgate lift or a standard truck-mounted forklift. The dimensions also allow transport and installation using a delivery van with a 2 man crew for unloading, assembly and installation directly on the install site. Delivery of Fietshangar products packaged as construction kits can take place EXW, meaning that the kits are made available for collection at our Fietshangar warehouse: Hoefslag 15, 4131 ME Vianen, The Netherlands. See below for illustrations of this shipping method, optional packaging, and tables with inputs per product type.

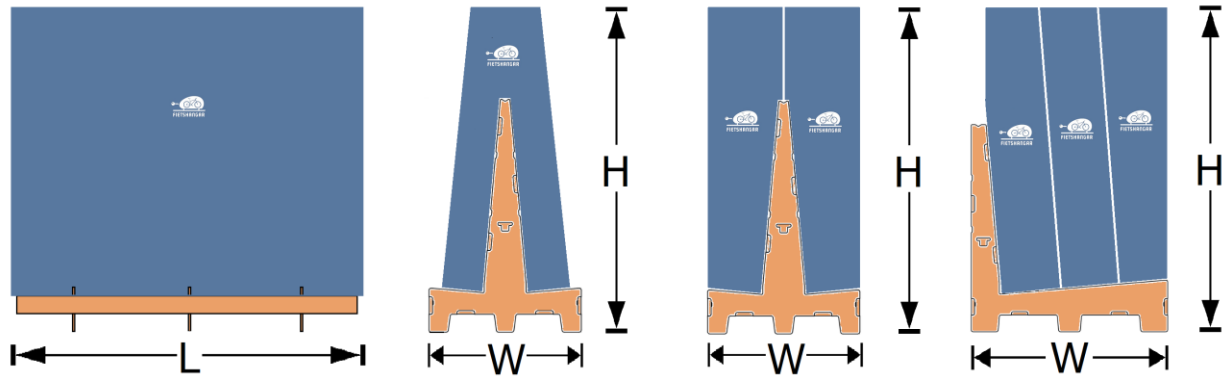


### Auxilliary dollies

Specialized detachable board mounted wheels that fit the frame structure to allow easy moving around by hand. Two wheels per board, both freely rotating, one per board equipped with a lockable brake. The dollies do not come standard with the construction kit thus can be included and quoted upon request.



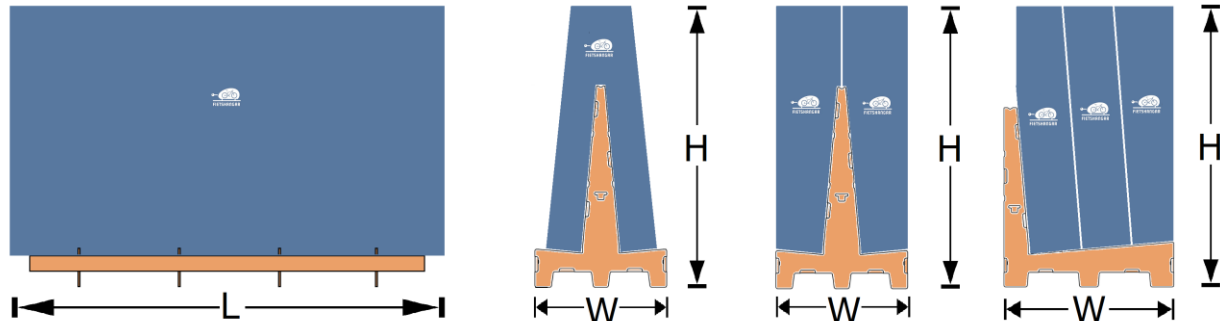
## Fietshangar 1.8 Construction kit



Quantity	Dimensions (L x W x H in cm)	Gross Weight (kg)	Loading Meters (LDM)	Cubic Meters (CBM)	Full Truck Load (FTL)	Full Container Load (FCL)
1	225 x 80 x 160	400	0.8	2.9		
2	225 x 80 x 160	800	0.8	2.9		
3	225 x 110 x 160	1200	1.1	4.0		
4	225 x 160 x 160	1600	1.6	5.8		
5	225 x 190 x 160	2000	1.9	6.9		
6	225 x 220 x 160	2400	2.2	8.0		
7	225 x 270 x 160	2800	2.7	9.8		
8	225 x 290 x 160	3200	2.9	10.5		
9	225 x 330 x 160	3600	3.3	11.9		
10	225 x 380 x 160	4000	3.8	13.7		
11	225 x 410 x 160	4400	4.1	14.8		
12	225 x 440 x 160	4800	4.4	15.9		
13	225 x 490 x 160	5200	4.9	17.7		
14	225 x 520 x 160	5600	5.2	18.8		
15	225 x 550 x 160	6000	5.5	19.8		20ft FCL
16	225 x 600 x 160	6400	6.0	21.6		
17	225 x 630 x 160	6800	6.3	22.7		
18	225 x 660 x 160	7200	6.6	23.8		
19	225 x 690 x 160	7600	6.9	24.9		
20	225 x 720 x 160	8000	7.2	26.0		
21	225 x 750 x 160	8400	7.5	27.0		
22	225 x 800 x 160	8800	8.0	28.8		
23	225 x 830 x 160	9200	8.3	29.9		
24	225 x 860 x 160	9600	8.6	31.0		
25	225 x 910 x 160	10000	9.1	32.8		
26	225 x 940 x 160	10400	9.4	33.9		
27	225 x 970 x 160	10800	9.7	35.0		
28	225 x 1020 x 160	11200	10.2	36.8		
29	225 x 1050 x 160	11600	10.5	37.8		
30	225 x 1080 x 160	12000	10.8	38.9		
31	225 x 1130 x 160	12400	11.3	40.7		
32	225 x 1160 x 160	12800	11.6	41.8		40ft FCL
33	225 x 1190 x 160	13200	11.9	42.9		n/a
34	225 x 1240 x 160	13600	12.4	44.7		n/a
35	225 x 1270 x 160	14000	12.7	45.8		n/a
36	225 x 1300 x 160	14400	13.0	46.8	FTL	n/a

Provided data can be used for calculations, anticipating logistics and requesting transport quotes. However no rights or obligations can be derived from this information. For project specific confirmation on logistics inputs please consult with Fietshangar sales support.

## Fietshangar 2.5 Construction kit



Quantity	Dimensions (L x W x H in cm)	Gross Weight (kg)	Loading Meters (LDM)	Cubic Meters (CBM)	Full Truck Load (FTL)	Full Container Load (FCL)
1	265 x 80 x 160	500	2.7	3.4		
2	265 x 80 x 160	1000	2.7	3.4		
3	265 x 110 x 160	1500	2.7	4.7		
4	265 x 160 x 160	2000	2.7	6.8		
5	265 x 190 x 160	2500	2.7	8.1		
6	265 x 220 x 160	3000	2.7	9.4		
7	530 x 80* x 160	3500	5.3	12.8		
8	530 x 80* x 160	4000	5.3	12.8		
9	530 x 110* x 160	4500	5.3	14.1		
10	530 x 160* x 160	5000	5.3	16.2		
11	530 x 190* x 160	5500	5.3	17.5		
12	530 x 220 x 160	6000	5.3	18.8		20ft FCL
13	795 x 80* x 160	6500	8.0	22.2		
14	795 x 80* x 160	7000	8.0	22.2		
15	795 x 110* x 160	7500	8.0	23.5		
16	795 x 160* x 160	8000	8.0	25.6		
17	795 x 190* x 160	8500	8.0	26.9		
18	795 x 220 x 160	9000	8.0	28.2		
19	1060 x 80* x 160	9500	10.6	31.6		
20	1060 x 80* x 160	10000	10.6	31.6		
21	1060 x 110* x 160	10500	10.6	32.9		
22	1060 x 160* x 160	11000	10.6	35.0		
23	1060 x 190* x 160	11500	10.6	36.3		
24	1060 x 220 x 160	12000	10.6	37.6		40ft FCL
25	1325 x 80* x 160	12500	13.3	41.0		n/a
26	1325 x 80* x 160	13000	13.3	41.0		n/a
27	1325 x 110* x 160	13500	13.3	42.3		n/a
28	1325 x 160* x 160	14000	13.3	44.4		n/a
29	1325 x 190* x 160	14500	13.3	45.7		n/a
30	1325 x 220 x 160	15000	13.3	47.0	FTL	n/a

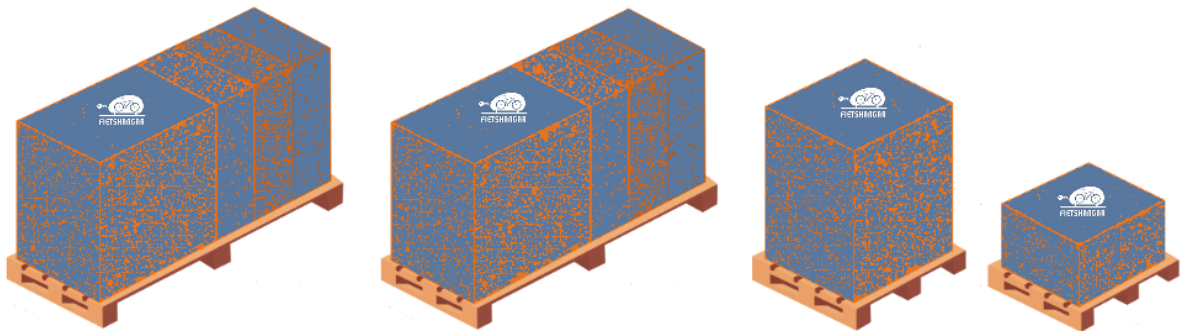
\* The truck/container width limits the orientation of the construction kits for the Fietshangar 2.5 to a longitudinal orientation. This results in the full width of the truck or container to be used only at 6 units (or a multiple of 6) the first 3 units after that number only take half or less of the width allowing LCL/groupage to be placed alongside. For sake of simplicity it is advisable to use LDM's or CBM's when using this table as input for transport quotes.

3. **Palletized**

Palletized Fietshangar products provide the highest logistic efficiency when transporting larger quantities to a central assembly location. Identical parts are combined on (oversized) pallets. Due to the dimensions of some parts these pallets vary in size from 2.25m x 1.5m x 1.2m, to 2.65m x 1.2m x 1m , to 1.9m x 1m x 1m, to euro pallets and half euro pallets. Palletized shipping makes sense for larger quantities of a single product configuration, i.e. distributors and large projects where the typical quantity exceed 6. See below for illustrations of the some example pallets for palletized shipment of Fietshangar products, as well as tables with inputs per product type.



Fietshangar 1.8 Palletized

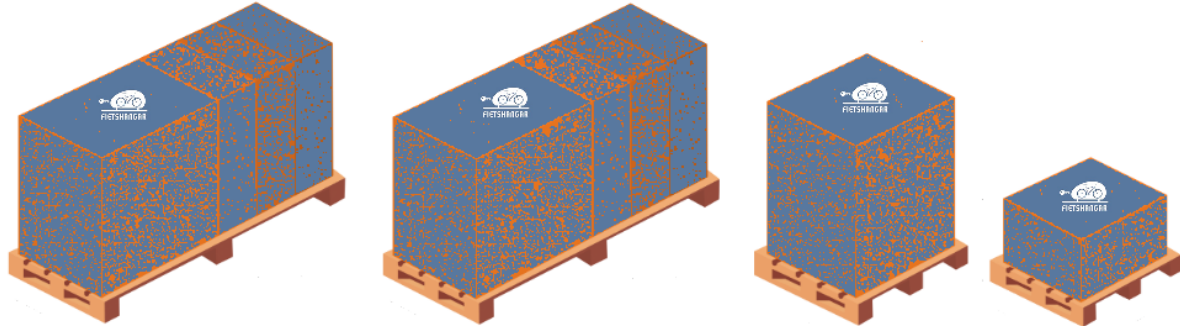


Quantity	Dimensions (L x W x H in cm)	Gross Weight (kg)	Loading Meters (LDM)	Cubic Meters (CBM)	Full Truck Load (FTL)	Full Container Load (FCL)
8	225 x 280 x 200	2800	2.8	12.6		
16	225 x 460 x 200	5600	4.6	20.7		
24	225 x 570 x 200	8400	5.7	25.7		20ft FCL
32	225 x 720 x 200	11200	7.2	32.4		
40	225 x 870 x 200	14000	8.7	39.2		
48	225 x 1020 x 200	16800	10.2	45.9		
56	225 x 1170 x 200	19600	11.7	52.7	FTL	40ft FCL

Provided data can be used for calculations, anticipating logistics and requesting transport quotes. However no rights or obligations can be derived from this information. For project specific confirmation on logistics inputs please consult with Fietshangar sales support.



## Fietshangar 2.5 Palletized



Quantity	Dimensions (L x W x H in cm)	Gross Weight (kg)	Loading Meters (LDM)	Cubic Meters (CBM)	Full Truck Load (FTL)	Full Container Load (FCL)
8	225 x 420 x 200	3200	4.2	18.9		
16	225 x 570 x 200	6400	5.7	25.7		
20	225 x 570 x 200	8000	5.7	25.7		20ft FCL
24	225 x 720 x 200	9600	7.2	32.4		
32	225 x 870 x 200	12800	8.7	39.2		
40	225 x 1020 x 200	16000	10.2	45.9		
48	225 x 1170 x 200	19200	11.7	52.7	FTL	40ft FCL

## Assumptions & Disclaimers

- Configurations may affect dimensions and weight, this information sheet assumes extensive configurations in terms of dimensions and weight to be on the conservative side in calculating transport inputs.
- Images and illustrations are not to scale and serve only an illustrative purpose.
- All measurements are precise or slightly on the conservative side.
- All numbers are rounded up to be on the conservative side, either to whole numbers or to one decimal point.
- No excess space between units/kits/pallets is accounted for.
- No assembled unit, construction kit, or pallet is assumed to exceeds a gross weight of 1500 kg.
- Assembled units and construction kits are non-stackable.
- (Some) palletized items can be stacked, and as such are assumed to be in order to optimize for available height in transport.
- Transport packaging is assumed to be disposable for calculation purposes. However Fietshangar BV encourages re-using packaging materials, therefore Fietshangar BV offers discounts on follow-up orders when packaging materials are returned and can be re-used in follow-up orders.
- Full Truck Load (FTL) refers to a curtain sided articulated trailer, also tautliner trailer, or semi.
- Full Container Load (FCL) assumes a 20ft or 40ft standard shipping container.
- Provided data can be used for calculations, anticipating logistics and requesting transport quotes. However no rights or obligations can be derived from this information. For project specific transport input confirmation please consult Fietshangar sales support.

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