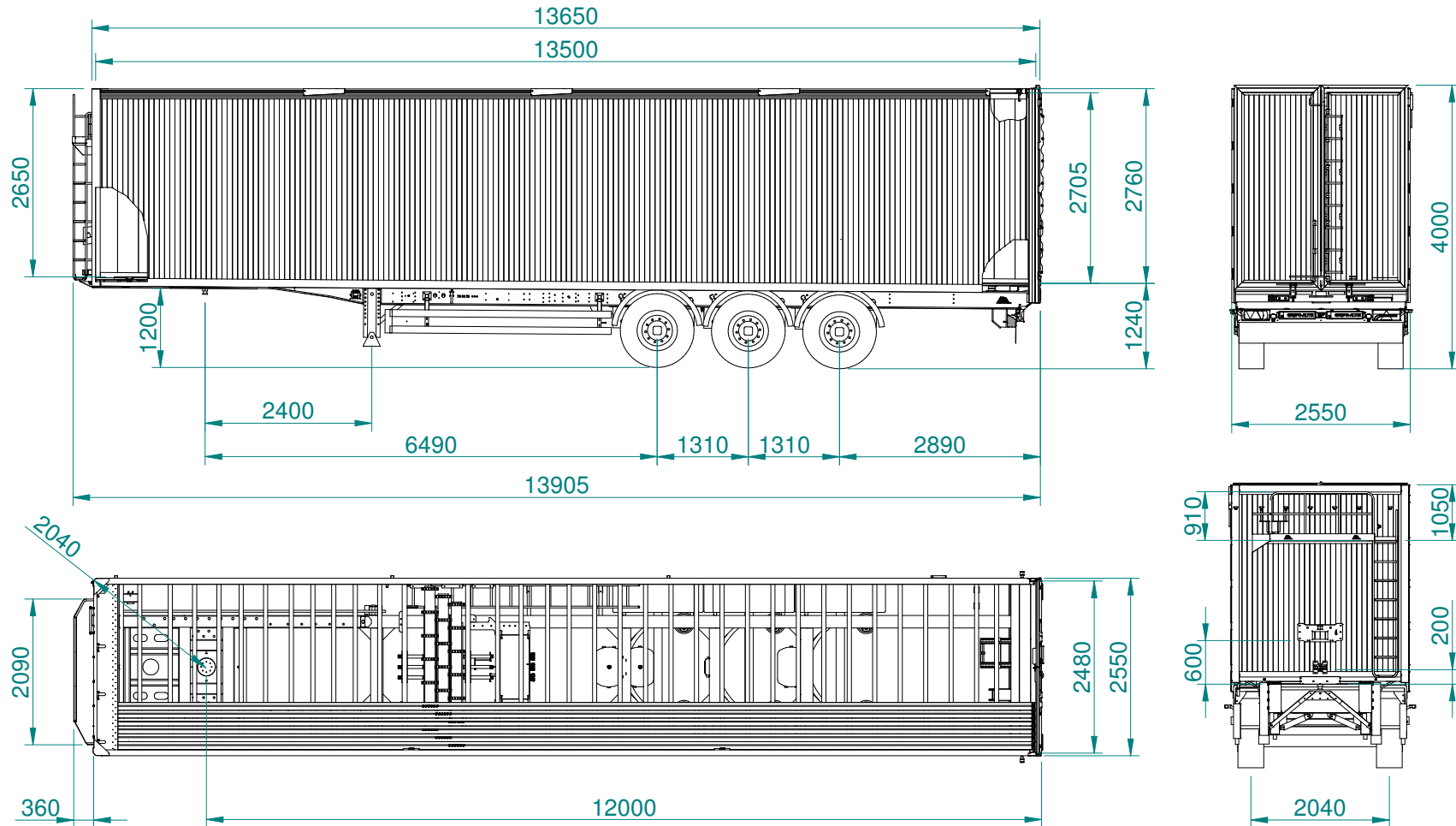


SMART DATA SHEET

HP4 - HIGH PERFORMANCE CONICAL HALF KP HIGH



Characteristic	Value	Observations
Useful volume (m ³)	90,6 m ³	Useful volume. Interior dimensions: 13.500 x 2.480 x 2.650-2.760 mm (long x width x high).
Empty weight (kg)	7.550	Vehicle weight. See equipment on next page.
TPMM (kg)	41.000	Vehicle total. (Technically Permissible Maximum Mass).
TPMM pivot (kg)	16.000	Standard pivot 2", class H50-X.
TPMM axles 1-2-3 (kg)	9.000	Tires 385/65 R22,5, rim offset.
European Homologation TIPO	S3NB	e9*2007/46*0557*01

HP4-1 CHASSIS SEMITRAILERALITE (TPMM 41.000 kg)

- HP4-1.1** Aluminium chassis with 250 mm frames in double T in AL6082 T6 extrusion in one piece.
- HP4-1.2** Fifth wheel locking design for a 1.200 mm height from the floor. Range of run: 1.200 a 1.250 mm. Technically Permissible Maximum Mass: TPMM = 16.000 kg. Bolt-on fifth wheel plate in 10 mm thick S355 JR steel. Internal reinforcement plate welded to both chassis beams in the neck area of 150x15 mm in AL6082 T6. 10 mm thick coupling pivot bridge crosspieces in AL5754 H111 folded sheet metal.
- HP4-1.3** Three (3) axles BPW ECOPLUS III with disc brake. Technically Permissible Maximum Mass: TPMM 1^o-2^o-3^o = 9.000 kg per axle.
- Distance King Pin - 1st axis: 6.490 mm
 - Distance 1 st - 2nd axle: 1.310 mm
 - Distance 2nd - 3rd axle: 1.310 mm
 - Rear overhang: 2.890 mm
- HP4-1.4** BPW ECO AIRCOMPACT integral pneumatic suspension (EABO L6 FH 340-380 mm).
- HP4-1.5** Third axle elevator with automatic control. Up and down control by the EBS ECU.
- HP4-1.6** Six (6) CHT3 CONTINENTAL tyres, dimensions 385/65 R22´5"
- HP4-1.7** Six (6) painted steel rim offset by pumping B=120 mm.
- HP4-1.8** One (1) screw-type spare wheel support without wheel.
- HP4-1.9** HALDEX GEN3 + EBS 4S/2M pneumatic brake system with mechanical suspension:
- InfoCentre 2 panel to control suspension and brake parameters. Scale function among others.
 - COLAS leveling valve:
 - o Dead man function, RoRo function (Roll-on, Roll-off).
 - o RTR function for automatic repositioning of ride height when starting the vehicle movement.
 - TrCM (Trailer Control Module) parking valve.
 - Six (6) brake pad wear sensors.
 - Overflow valve for suspension circuit.
 - Coupling heads with filter and pressure tap according to ISO 1728.
 - ISO 7638 connector. Power supply by additional stoplight.
- HP4-1.10** Three (3) 60 L aluminium tanks, diameter d396 x 592 mm with supports. Two (2) brake tanks + one (1) suspension tank.
- HP4-1.11** Two (2) BPW 2 speed mechanical type painted steel support feet.

- HP4-1.12** Fixed anti-underrun device (bumper) in anodized aluminium ALA-ALU according to Regulation 58.
- HP4-1.13** Six (6) integral mudguards in polypropylene with anti-splash system valances according to Regulation 109.
- HP4-1.14** Drop side lateral under-run protections with anodised aluminium bars.
- HP4-1.15** One (1) 1.000 mm tools drawer in PVC. One (1) water tank with soap dispenser in PVC. Two (2) empty drawers of fire extinguishers in PVC, on configuration A1, A2.

**POSSIBLE MOUNTING CONFIGURATIONS:
A1 FOR DRIVING ON THE RIGHT / A2 FOR DRIVING ON THE LEFT:**

A1 Right driving vehicle WITHOUT hydraulic accessories

LEFT SIDE IN RUNNING ORDER:

- o Water tank.
- o Suspension lever.
- o Brake control.
- o Moving floor control panel.
- o Two (2) extinguisher drawers in vertical position mounted in the central part and integrated in the cyclist.
- o Pole for tarpaulin integrated in the cyclist.

RIGHT SIDE IN RUNNING ORDER:

- o Lever for operating the legs.
- o Spare wheel holder.
- o One (1) tool drawer in the central rear part integrated in the cyclist life-saving.
- o Ladder with 12-14 aluminium rungs with support for cyclists.

NOTES:

1. When a 2nd tool drawer is mounted, it will be mounted at the rear on the left side on the overhang.
2. When a 2nd spare wheel carrier is mounted, it will be mounted in the central part on the left side, moving the two (2) extinguisher drawers.

A2 Left driving vehicle WITHOUT hydraulic accessories

LEFT SIDE IN RUNNING ORDER:

- o Lever for operating the legs.
- o Spare wheel holder.
- o One (1) tool drawer in the central rear part integrated in the cyclist life-saving.
- o Ladder with 12-14 aluminium rungs with support for cyclists.

RIGHT SIDE IN RUNNING ORDER:

- o Water tank.
- o Suspension lever.
- o Brake control.
- o Moving floor control panel.
- o Two (2) extinguisher drawers in vertical position mounted in the central part and integrated in the cyclist.
- o Pole for tarpaulin integrated in the cyclist.

NOTES:

1. When a 2nd tool drawer is mounted, it will be mounted at the rear on the right side on the overhang.
2. When a 2nd spare wheel carrier is mounted, it will be mounted in the central part on the right side, moving the two (2) extinguisher drawers.

HP4-1.16 Lightening mechanism and light signals according to the Regulation 48 with Aspöck Ecoled II rear lights Led markers. Folding protections for the lights in aluminium integrated in the rear of the vehicle.

HP4-1.17 Chassis finished in non-anodised raw aluminium.

HP4-2 OPEN CONICAL BODYWORK INTEGRAL ALUMINUM (90,6 m³)

HP4-2.1 Integral aluminium fixed sides open bodywork construction. Outer dimensions: 13.650 mm (length) x 2.550 mm (width) and 2.650 / 2.760 mm of usable inner height. Fully usable volume of 90,6 m³. Maximum ground height 4.000 mm for fifth wheel locking at 1.200 mm.

HP4-2.2 AL6005 T6 Alloy aluminium panels with tongue-and-groove joint system boards. 300 x 30 x 2,25 / 1,85 (width x thickness x inner / outer thickness).

HP4-2.3 Twenty-one (21) aluminium planks (112 mm) ALITE HEAVY DUTY hydraulic moving floor system in aluminium AL6082 T6 (standard 6 mm + 1,5 mm planks). Mounting of 735 sliders per unit on aluminium tube 25,4 x 25,4 x 2 mm.

HP4-2.4 Lower band of curved type reinforced in aluminium AL6082 T6.

HP4-2.5 Upper profile for closing handrail with integrated rail reinforced in AL6082 T6.

HP4-2.6 Inside standard tarpaulin wall on a bar with two stainless steel pulleys with dismountable bearing.

HP4-2.7 Full height fixed front in aluminium with catwalk at 1.050 mm from the handrail and with maximum dimensions according to Regulations. Access ladder on the left side in running order. 910 mm high railing.

HP4-2.8 Rear door with 2 parts without upper crossbar and with closing system with central espagnolette with double fastening. Open bodywork closing ironworks integrated in the pillars profiles made of AISI 304b stainless steel. Aluminium ladder on the right door side.

HP4-2.9 Additional pneumatic closing system for rear doors with manual activation with button in the chassis.

HP4-2.10 System 5 arches in black anodized ALITE extrusion aluminium tube of section 60x50 mm, quality AL6082 T6. Arches folding towards the top and rotating laterally. Standard version:

- First (1st): straight without detachable type point with pin.
- Second (2nd), third (3rd) and fourth (4th): 50 mm high centre point, rotating and folding upwards.
- Fifth (5th): straight without point, rotating and folding upwards.

HP4-2.11

Tin opener roll up 680 g/m² canvas top, with fall of 600 mm on the left side in running order and fixed on the right side. Colour according to RAL guide. Four (4) tensing ratchets on the left side and two (2) on the right side in running order for the tarpaulin belts. Four (4) ALITE aluminium swing-away spring-loaded bayonets mounted on the right side in running order. Two (2) inner reinforcing tubes in the centre at 550 mm between them, 3/4" galvanized iron pipe.

COLOUR	RAL	RAL	RAL	RAL	RAL	RAL	OTHER
BLUE	5012	5015	5010	5002	5003	5013	EUROPA 941
YELLOW	1013	1015	1014	1018	1021	1003	
GREEN	6005	6028	6026	6018			
GRAY	7035	7038	7037				
ORANGE	2008	2004					
RED	3020	3002					
WHITE	9010	9016					
BROWN	8017						
ALUMINUM	9006						
BLACK	9005						

HP4-2.12

Two (2) pulling rings at the rear

HP4-2.13

Electrical and pneumatic connections 600 mm from the coupling pivot plate. Watertight box with electrical connectors ISO 3731 (24 N) + ISO 1185 (24 s) + ISO 12098 (15 P) and red and yellow ISO 1728 tires.

HP4-2.14

Hydraulic connections 250 mm from the coupling pivot plate with aluminium safety valve against wrong connections ALITE AL-BL101. Rigid pressure tube DIN 2391 with sections 22x2,5 mm in pressure (WP 250 bar) and 28x2,0 mm in return (WP 200 bar).

HP4-2.15

One (1) aluminium ladder with 12 steps with holder on the under-run protections.

HP4-2.16

Body of the semitrailer finished in non-anodised raw aluminium.