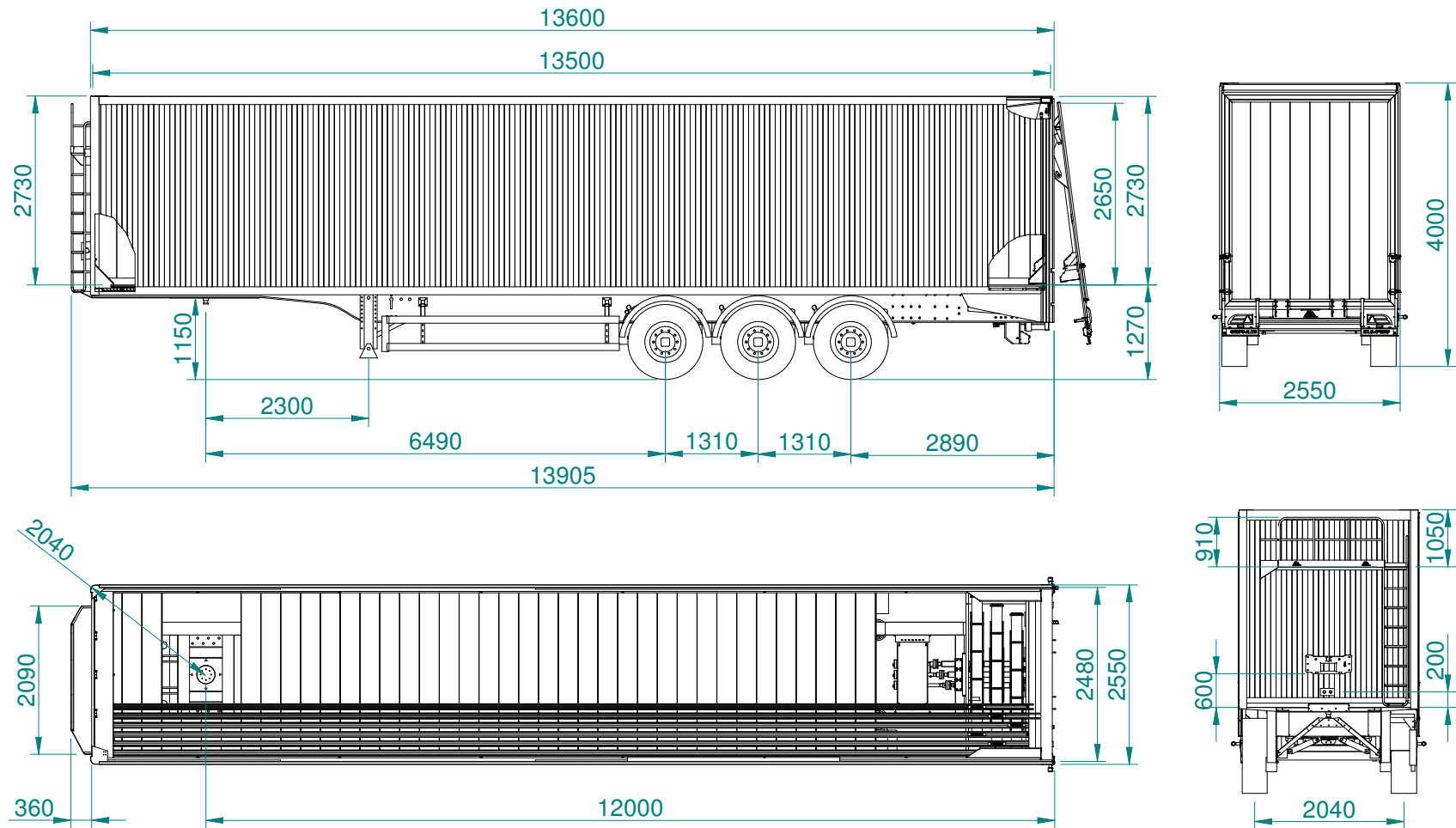


# SMART DATA SHEET

## LP1 - LEAK PROOF 100%



Characteristic	Value	Observations
Useful volume (m <sup>3</sup> )	91,4 m <sup>3</sup>	Useful volume. Interior dimensions: 13.500 x 2.480 x 2.730 mm (long x width x high).
Empty weight (kg)	9.175	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.

## LP1-1 CHASSIS SEMITRAILER ALITE (TPMM 41.000 kg)

- LP1-1.1** Aluminium chassis with 450 mm frames in double T in AL6005 T6 extrusion in one piece. Chassis neck construction with a height of 80 mm (C=80 mm).
- LP1-1.2** Fifth wheel locking design for a 1.150 mm height from the floor. Range of run: 1.150 a 1.200 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.
- LP1-1.3** Three 3 axles BPW ECOPLUS III with disc brake. Technically Permissible Maximum Mass: TPMM 1<sup>o</sup>-2<sup>o</sup>-3<sup>o</sup> = 9.000 kg per axle.
- Distance King Pin - 1st axis: 6.490 mm
  - Distance 1st - 2nd axle: 1.310 mm
  - Distance 2nd - 3rd axle: 1.310 mm
  - Rear overhang: 2.890 mm
- LP1-1.4** BPW ECO AIRCOMPAC integral pneumatic suspension (ACAM L4 FH 285-345 mm).
- LP1-1.5** Third axle elevator with automatic control. Up and down control by the EBS ECU.
- LP1-1.6** Six (6) CHT3 CONTINENTAL tyres, dimensions 385/65 R22,5"
- LP1-1.7** Six (6) painted steel rims offset by pumping B=120 mm.
- LP1-1.8** One (1) screw-type spare wheel support without wheel.
- LP1-1.9** 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.
- LP1-1.10** Three (3) 60 L aluminium tanks, diameter d396 x 592 mm with supports. Two (2) brake tanks + one (1) suspension tank.
- LP1-1.11** Two (2) BPW 2 speed mechanical type painted steel support feet.

**LP1-1.12** Fixed anti-underrun device in anodized aluminium ALA-ALU according to Regulation 58.

**LP1-1.13** Six (6) integral mudguards in polypropylene with anti-splash system valances according to Regulation 109.

**LP1-1.14** Drop side lateral under-run protections with anodised aluminium bars.

**LP1-1.15** 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 One (1) extinguisher drawer in horizontal position mounted in the central part and 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 One (1) rear mounted horizontal extinguisher drawer.
- o Ladder with 12-14 aluminium rungs with support for cyclists.
- o Pole for tarpaulin at the back.

**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 on the rear right side of the overhang.

**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 One (1) rear mounted horizontal extinguisher drawer.
- o Ladder with 12-14 aluminium rungs with support for cyclists.
- o Pole for tarpaulin at the back.

**RIGHT SIDE IN RUNNING ORDER:**

- o Water tank.
- o Suspension lever.
- o Brake control.
- o Moving floor control panel.
- o One (1) extinguisher drawer in horizontal position mounted in the central part and 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 on the rear left side of the overhang.

**LP1-1.16** Lightening mechanism and light signals according to the Regulation 48 with Aspöck Europoint III rear lights Led markers. Folding protections for the lights in aluminium integrated in the rear of the vehicle.

**LP1-1.17** Chassis finished in non-anodised raw aluminium.

## **LP1-2 OPEN BODYWORK WITH INTEGRAL FIXED SIDES IN ALUMINIUM (91,4 m<sup>3</sup>)**

**LP1-2.1** Integral aluminium fixed sides open bodywork construction. Outer dimensions: 13.650 mm (length) x 2.550 mm (width) and 2.730 mm of usable inner height. Fully usable volume of 91,4 m<sup>3</sup>. Maximum ground height 4.000 mm for fifth wheel locking at 1.150 mm.

**LP1-2.2** 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).

**LP1-2.3** Floor made of smooth structural ALITE masonry panel with polymer-sealed joints, direct mounting on the chassis beams without cross members. Thickness of 3.8 / 2.5 mm at the top / bottom, 2.75 mm thick partitions every 45 mm. Alloy AL6005 T6. Continuous floor with grooves on the back side for fastening the slats with the movement units

**LP1-2.4** ALITE HEAVY DUTY hydraulic moving floor system with 18 aluminium slats in AL6082 T6 impact with 7 thick + 6.5 mm in two (2) projections. Assembly of the sheet on continuous 10 mm thick polyethylene plates mounted on a double T-shaped aluminium base welded to the floor. Mounting of the machine in a rear cantilever under the panel floor. Completely diaphanous loading space to guarantee maximum loading volume. Hydraulic machine movement units inside a spill collection box with bulkhead and sealing joints. 100% watertight moving floor system.

**LP1-2.5** Lower band of curved type reinforced in aluminium AL6082 T6.

**LP1-2.6** Upper profile for closing handrail with integrated rail reinforced in AL6082 T6.

**LP1-2.7** Sliding sweeper tarpaulin set up on a bar with two stainless steel pulleys with dismantable bearing.

**LP1-2.8** 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.

**LP1-2.9** ALITE hydraulic rear door of watertight type with hydraulic drive. Control panel with electrical and manual emergency operation.

**LP1-2.10** Hydraulic closing system of the rear door with six (6) synchronised bolts. Opening and closing with a single button per manoeuvre.

**LP1-2.11**

Arch system for butterfly roof.

- Two (2) steel-type arches painted by tube 120x80x6 mm S275 JR:
  - o Equidistant assembly leaving three (3) equal gaps.
  - o Reinforced bolted brackets and mounting bars with 30 mm diameter reinforced bolts.

**LP1-2.12**

Hydraulic butterfly-type roof with 680 g/m<sup>2</sup> canvas, RAL chart. B1 or B2 configuration.

- Operation by 4 double acting hydraulic cylinders with chains and blocking valve.
- Screw mounting.
- Integral wings in aluminium. Manual locking control of the wings.
- Hydraulic system with manual and electric distributor.
- Control block with limiter and emergency stop valve. With drive speed regulator.

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						

**LP1-2.13**

Two (2) pulling rings at the rear

**LP1-2.14**

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.

**LP1-2.15**

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).

**LP1-2.16**

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

**LP1-2.17**

Drawer finished in non-anodised raw aluminium.