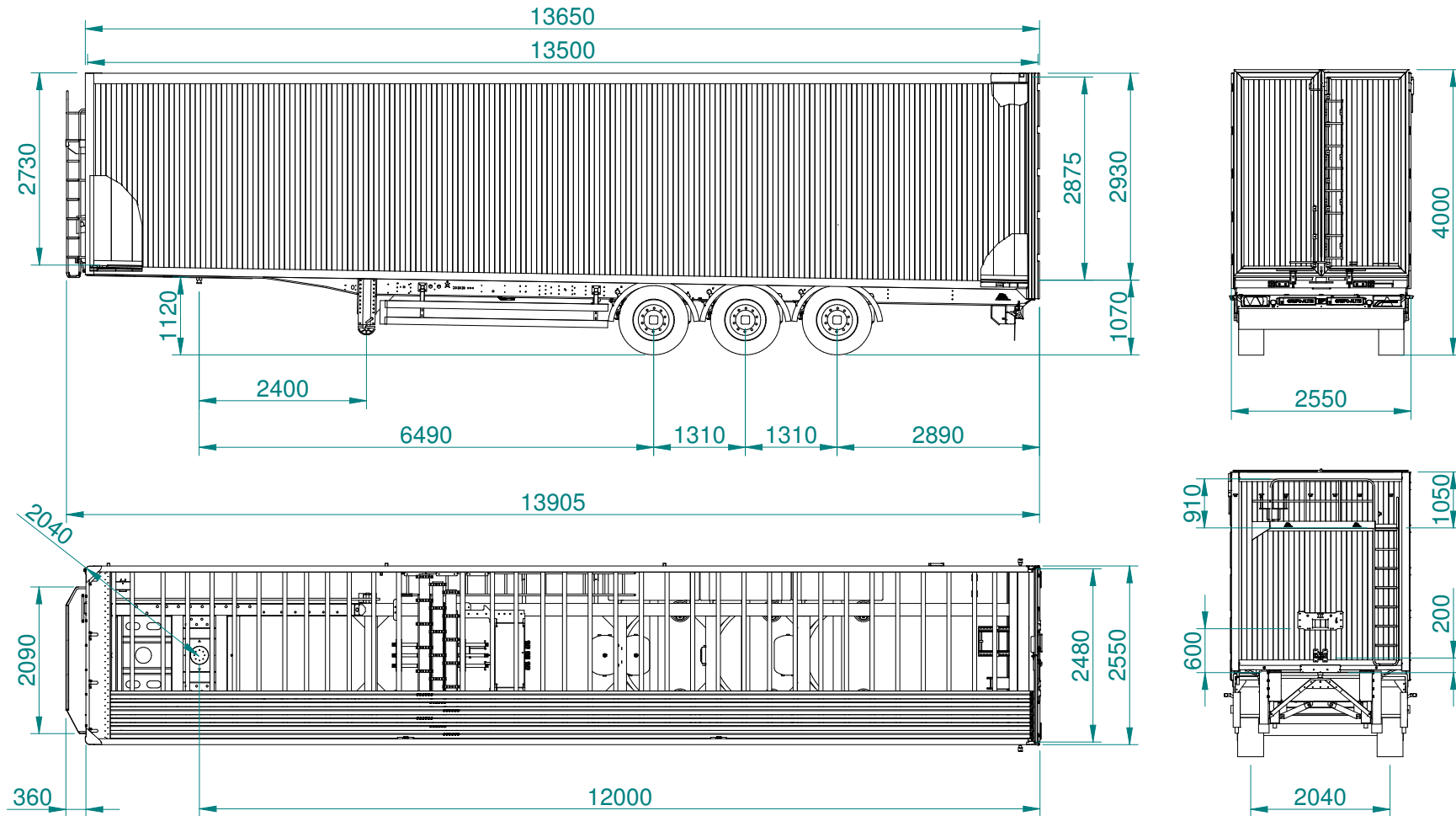


# FULL DATA SHEET

## HP5 - HIGH PERFORMANCE LIGHT



Characteristic	Value	Observations
Useful volume (m <sup>3</sup> )	94,8 m <sup>3</sup>	Useful volume. Interior dimensions: 13.500 x 2.480 x 2.730-2.930 mm (long x width x high).
Empty weight (kg)	6.880	Vehicle weight. See equipment on next page.
TPMM (kg)	39.000	Vehicle total. (Technically Permissible Maximum Mass).
TPMM pivot (kg)	12.000	Standard pivot 2", class H50-X.
TPMM axles 1-2-3 (kg)	9.000	Tires 385/55 R22,5, rim offset .
European Homologation TIPO	S3NB	e9*2007/46*0557*01

## HP5-1 CHASSIS SEMITRAILER ALITE (TPMM 39.000 kg)

**HP5-1.1** Aluminium chassis with 250 mm frames in double T in AL6005 T6 extrusion in one piece.

**HP5-1.2** Fifth wheel locking design for a 1120 mm height from the floor. Range of run: 1100 a 1150 mm. Technically Permissible Maximum Mass: TPMM = 12.000 kg. Bolt-on fifth wheel plate in 8 mm thick S355 JR steel. 8 mm thick coupling pivot bridge crosspieces in AL5754 H111 folded sheet metal.

**HP5-1.3** 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
- Rearoverhang: 2.890 mm

### OPTIONS

OP HP5-1.3\_01 Change 3rd axle fixed for self-directional BPW ECOPLUS III. 1st and 2nd AIRCOMPACT ACAM L4 (FH 285-345 mm) + 3rd AIRLIGHT II ALMTLL L2 (FH 280-310 mm). (+189,5 kg)

OP HP5-1.3\_01.01 Add BPW ARC (Active Reverse Control) in self-directional axle. (+45,0 kg)

OP HP5-1.3\_01.01.1 Add radio control for BPW ARC (Active Reverse Control).

OP HP5-1.3\_02 Add BPW AIRSAVE self-pumping system mounted in three (3) ECOPLUS axles 9-12 tn. (+3,45 kg)

**HP5-1.4** BPW ECO AIRCOMPACT integral pneumatic suspension (ACAM L4 FH 285-345 mm).

**HP5-1.5** Without axle elevator.

### OPTIONS

OP HP5-1.5\_01 Add automatic liftable axes 3rd. (+23,3 kg)

OP HP5-1.5\_02 Add automatic liftable axes 1st. (+23,3 kg)

**HP5-1.6** Six (6) CHT3 CONTINENTAL tyres, dimensions 385/55 R22,5"

### OPTIONS

OP HP5-1.6\_01 Change tire CONTINENTAL CHT3 385/55 R22,5 to 6 MICHELIN X MULTI T 385/55 R22,5

**HP5-1.7** Six (6) painted aluminium rims SPEED LINE DIAMANTE B=120 mm.

### OPTIONS

OP HP5-1.7\_01 Change to 6 ALCOA DURABRIGHT rims B=120 mm. (-68,0 kg)

**HP5-1.8** Without screw-type spare wheel support.

### OPTIONS

OP HP5-1.8\_01 Add one (1) wheel support.

**HP5-1.9**

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.

**OPTIONS**

OP HP4-1.9\_01

Change HALDEX 4S/2M GEN3+ to the WABCO 4S/2M with electronic suspension:

- ECU EBS WABCO Premium.
- Lever for manual regulation of electronic suspension eTASC with solenoid valve for automatic regulation of the height of the suspension in running condition.
- Three (3) programmable suspension heights. OPTILEVEL.
- SmartBoard control panel for suspension parameters.
- Two (2) LACV lift axle controls.
- Brake pad wear sensor on all wheels.
- Coupling heads with filter and pressure tap according to ISO 1728.
- ISO 7638 connector. Power supply by additional stoplight.

OP HP4-1.9\_02

Change HALDEX 4S/2M GEN3+ to the WABCO 4S/3M with electronic suspension + OPTITURN / OPTILOAD (3rd modulator)

- ECU EBS WABCO Premium.
- Lever for manual regulation of electronic suspension eTASC with solenoid valve for automatic regulation of the height of the suspension in running condition.
- Three (3) programmable suspension heights. OPTILEVEL.
- SmartBoard control panel for suspension parameters.
- Two (2) LACV + LAVic lift axle controls.
- 3rd modulator with pneumatic bellows pressure sensor for activate the OPTILOAD or OPTITURN function.
- Brake pad wear sensor on all wheels.
- Coupling heads with filter and pressure tap according to ISO 1728.
- ISO 7638 connector. Power supply by additional stoplight.

**HP5-1.10**

Two (2) 60 L aluminium tanks, diameter d396 x 592 mm with supports. One (1) bracketank + one (1) suspension tank.

**HP5-1.11**

Two (2) manual aluminium support legs 650-700 BALTECH / ALU-LEG / PLASTECNIC.

**HP5-1.12**

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

**HP5-1.13**

Six (6) integral mudguards in polypropylene with anti-splash system valves according to Regulation 109.

**HP5-1.14**

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

**HP5-1.15**

Without tools drawer, without water tank with soap dispenser and without empty drawers of fire extinguishers.

## OPCIONES

OP HP5-1.15_01	Add plastic toolbox 1.000 mm with brackets (C=250).
OP HP5-1.15_02	Add empty drawer of fire extinguishers with brackets, 6/9 kg
OP HP5-1.15_03	Add water tank soap dispenser in PVC with brackets

**POSSIBLE MOUNTING CONFIGURATIONS:****A1 AND B1 FOR DRIVING ON THE RIGHT / A2 AND B2 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.

**HP5-1.15****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:**

- When a 2nd tool drawer is mounted, it will be mounted at the rear on the right side on the overhang.
- 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.

**HP5-1.16**

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.

## OPCIONES

- |                |   |
|----------------|---|
| OP HP5-1.16_01 | Add two (2) working rear light led reverse gear + selector.   |
| OP HP5-1.16_02 | Add two (2) led work headlights in central part on each side under the front safety support + reverse selector. |

**HP5-1.17**

Chassis finished in non-anodised raw aluminium.

## OPCIONES

- |                |   |
|----------------|---|
| OP HP5-1.17_01 | Imp. epoxy finish + acrylic water pain RAL. |
|----------------|---|

## HP5-2 OPEN BODYWORK WITH INTEGRAL FIXED SIDES IN ALUMINIUM (94,8 m<sup>3</sup>)

<b>HP5-2.1</b>	Integral aluminium fixed sides open bodywork construction. Outer dimensions: 13.650 mm (length) x 2.550 mm (width) and 2.730 / 2.930 mm of usable inner height. Fully usable volume of 94,8 m <sup>3</sup> . Maximum ground height 4.000 mm for fifth wheel locking at 1.120 mm.
	OPCIONES
	OP HP5-2.1_01      Body length reduction by linear meter. (-233,0 kg/m).Range 10.000 - 13.650 mm.
	OP HP5-2.1_02      Body height variation by linear meter. (±442 kg/m).Range: 1.400 - 3.200 mm
OP HP5-2.1_03      Change useful interior length 13,500 to 13,620 mm with internal chamfer 90 x 120 mm.	
<b>HP5-2.2</b>	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).
<b>HP5-2.3</b>	Twenty-one (21) aluminium blades (112 mm) ALITE HEAVY DUTY hydraulic mobile floor system in aluminium AL6082 T6 (standard 6 mm + 1,5 mm blades). Mounting of 735 slides per unit on aluminium tube 25,4 x 25,4 x 2 mm.
	OPCIONES
	OP HP5-2.3_04      Change nylon plate at the back underneath the floor for 4 mm stainless steel plate. (+23,5 kg).
<b>HP5-2.4</b>	Lower band of curved type reinforced in aluminium AL6082 T6.
	OPCIONES
	OP HP5-2.4_01      Add twelve (12) equidistant rings inserted in every lateral. Total 24 units. Rings according to EN12640, 3000 daN.
	OP HP5-2.4_02      Add ten (10) equidistant rings inserted in every lateral. Total 20 units. Rings according to EN12640, 3000 daN.
OP HP5-2.4_03      Add six (6) equidistant rings inserted in every lateral. Total 12 units. Rings according to EN12640, 3000 daN.	
<b>HP5-2.5</b>	Upper lightened profile for closing handrail without integrated rail in AL6082 T6.
<b>HP5-2.6</b>	Sliding sweeper tarpaulin set up on a bar with two stainless steel pulleys with dismantable bearing.
<b>HP5-2.7</b>	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.
	OPCIONES
	OP HP5-2.7_01      Add front access door AL. 1.000x800 mm right lat. in running order.
	OP HP5-2.7_02      Add front access door AL. 1.000x800 mm left lat. in running order.
	OP HP5-2.7_03      Change position ladder right side order run.
OP HP5-2.7_04      Runway at 650 mm from the front of the maximum dimensions according to regulations.	

**HP5-2.8**

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.

## OPCIONES

OP HP5-2.8_01	Add stainless manual hatch. right door.
OP HP5-2.8_02	Add stainless manual hatch. left door.
OP HP5-2.8_03	Add upstand rear doors aluminium removable 80x40x4.
OP HP5-2.8_05	Remove staircase integrated aluminium right sheet.

**HP5-2.9**

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

**HP5-2.10**

System 5 arches in black anodized ALITE extrusion aluminium tube of section 60x50 mm, quality AL6082 T6. Lightened version:

- First (1st), second (2nd), third (3rd), fourth (4th) and fifth (5th): 50 mm high center point, with aluminium tie screwed on both ends and fixed by screw with slide.

**HP5-2.11**

Tin opener roll up 680 g/m<sup>2</sup> 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.

## OPCIONES

OP HP5-2.11_01	Remove roof tarpaulin. (-135,0 kg).
OP HP5-2.11_02	Add canvas colour RAL + white centre stripe.

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						

OP HP5-2.11_03	Change canvas drop right side and fixed left side in running order.
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<b>HP5-2.11</b>	OPCIONES	
	OP HP5-2.11_04	Add roll-up can opener mesh.
	OP HP5-2.11_05	Add mesh to cover load 15.000 x 5.000 mm + hooks to welded on band.
	OP HP5-2.11_06	Changing canvas roof for Cramaro cabriole type C manual + elec + radio. (+155,0 kg). <ul style="list-style-type: none"> <li>▪ Electric drive with manual control panel and radio control.</li> <li>▪ 680 g/m<sup>2</sup> PVC tarpaulin in RAL colour. RAL 9010, RAL 3002, RAL 1030, RAL 7038, RAL 6026, RAL 5002 and RAL 2008.</li> <li>▪ 130 mm long type C side straps. 100 mm side canvas drop.</li> <li>▪ Arches with a central arch 200 mm high at the centre. Optional 300-400-500 mm.</li> <li>▪ Automatic folding rear trolley.</li> <li>▪ Change to a system of 5 black anodized aluminium straight rings with screw-on supports. Modification point 2.10.</li> </ul>
<b>HP5-2.12</b>	Two (2) pulling rings at the rear.	
	OPTIONS	
	OP HP5-2.12_01	Add four (4) rings to the chassis for the mooring of the vehicle on board.
<b>HP5-2.13</b>	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.	
	OPCIONES	
	OP HP5-2.13_01	Electrical connections height change to 1.000 mm.
<b>HP5-2.14</b>	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).	
	OPCIONES	
	OP HP5-2.14_01	Electrical connections height change to 800 mm.
<b>HP5-2.15</b>	One (1) aluminium ladder with 12 steps with holder on the under-run protections.	
<b>HP5-2.16</b>	Drawer finished in non-anodised raw aluminium.	
	OPCIONES	
	OP HP5-2.16_01	Imp. epoxy finish + acrylic water p. RAL.