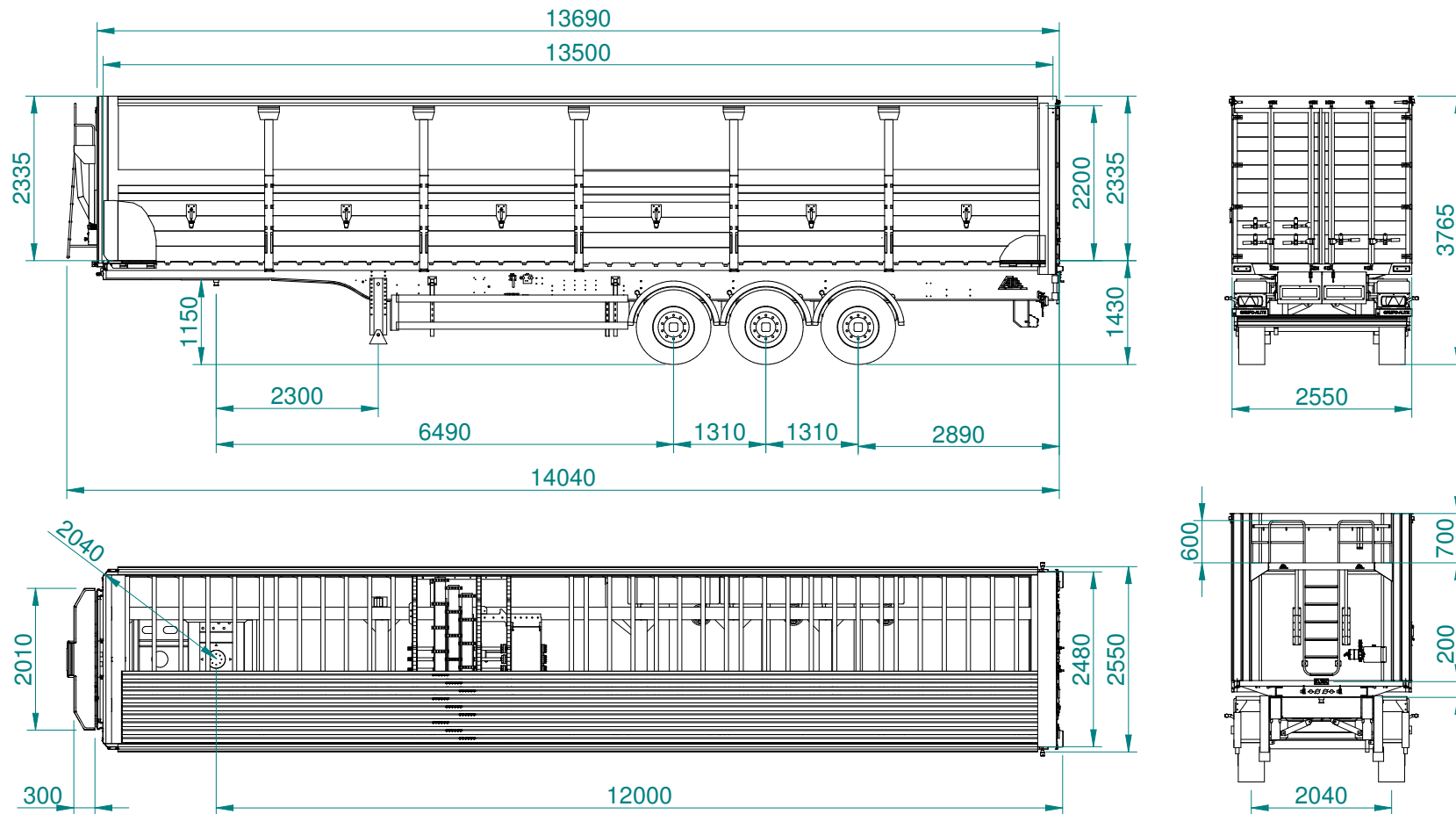


FULL DATA SHEET

OPEN1 - OPEN SEMITRAILER



Characteristic	Value	Observations
Useful volume at 4.000 mm (m ³)	91,4 m ³	Useful volume. Interior dimensions: 13.500 x 2.480 mm (long x width), lateral pitch 2.200 + 800 mm of elevation.
Empty weight (kg)	7.650	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 385/65 R22,5, rim offset. Optional 385/55 R22,5.
European Homologation TIPO	S3NB	e9*2007/46*0557*01.

OPEN1-1 CHASSIS SEMITRAILER ALITE (TPMM 39.000 kg)

OPEN1-1.1	Aluminium chassis with 450 mm frames in double T in AL6005 T6 extrusion in one piece. Neck of 150 mm.
OPEN1-1.2	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 = 12.000 kg. Bolt-on fifth wheel plate in 8 mm thick S355 JR steel. Internal reinforcement plate welded to both chassis beams in the neck area of 150x15 mm in AL6082 T6. 8 mm thick coupling pivot bridge crosspieces in AL5754 H111 folded sheet metal.
OPEN1-1.3	Three (3) axles BPW ECOPLUS III with disc brake. Technically Permissible Maximum Mass: TPMM 1°-2°-3° = 9.000 kg per axle. <ul style="list-style-type: none"> - 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
	OPTIONS
	OP OPEN1-1.3_01 Change 3rd axle fixed for self-directional BPW ECOPLUS III. 1st and 2nd AIRCOMPACT EABO L6 (FH 340-380 mm) + 3rd AIRLIGHT II ALMLL L6 (FH 350-390 mm). (+189,5 kg)
	OP OPEN1-1.3_01.01 Add BPW ARC (Active Reverse Control) in self-directional axle. (+45,0 kg)
	OP OPEN1-1.3_01.01.1 Add radio control for BPW ARC (Active Reverse Control).
	OP OPEN1-1.3_02 Add BPW AIRSAVE self-pumping system mounted in three (3) ECOPLUS axles 9-12 tn. (+3,45 kg)
OPEN1-1.4	BPW ECO AIRCOMPACT integral pneumatic suspension (EABO L6 FH 340-380 mm).
OPEN1-1.5	Third axle elevator with automatic control. Up and down control by the EBS ECU.
	OPTIONS
	OP OPEN1-1.5_01 Add automatic liftable axes 1st. (+23,3 kg)
OPEN1-1.6	Six (6) CHT3 CONTINENTAL tyres, dimensions 385/65 R22,5"
	OPTIONS
	OP OPEN1-1.6_01 Change tire CONTINENTAL CHT3 385/65 R22,5 to6 MICHELIN X MULTI T 385/65 R22,5
	OP OPEN1-1.6_02 Change tire CONTINENTAL CHT3 385/65 R22,5 to6 CONTINENTAL CHT3 385/55 R22,5
	OP OPEN1-1.6_03 Change tire CONTINENTAL CHT3 385/65 R22,5 to6 MICHELIN X MULTI T 385/55 R22,5
OPEN1-1.7	Six (6) painted steel rims offset by pumping B=120 mm.
	OPTIONS
	OP OPEN1-1.7_01 Change to 6 ALCOA DURABRIGHT rims B=120 mm. (-68,0 kg)
	OP OPEN1-1.7_02 Change to 6 SPEED LINE DIAMANTE rims B=120 mm. (-65,0 kg)

OPEN1-1.8

One (1) screw-type spare wheel support without wheel.

OPCIONES

OP OPEN1-1.8_01 Add one (1) wheel support.

OPEN1-1.9

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.

OPCIONES

OP OPEN1-1.9_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 OPEN1-1.9_02

Change HALDEX 4S/3M GEN3+ to the WABCO 4S/2M 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.

OPEN1-1.10	Three (3) 60 L aluminium tanks, diameter d396 x 592 mm with supports. Two (2) brake tanks + one (1) suspension tank.
OPEN1-1.11	Two (2) BPW 2 speed mechanical type painted steel support feet.
	OPTIONS
	OP OPEN1-1.11_01 Change steel legs to manual aluminium support legs 650-700 BALTECH / ALU-LEG / PLASTECNIC.
OPEN1-1.12	Fixed anti-underrun device (bumper) in anodized aluminium ALA-ALU according to Regulation 58.
	OPTIONS
	OP OPEN1-1.12_01 Change anti-embedment WING-ALU for WING-E (extendable manual).
	OP OPEN1-1.12_02 Change anti-embedment WING-ALU for WING-R (automatic folding).
OPEN1-1.13	Six (6) integral mudguards in polypropylene with anti-splash system valances according to Regulation 109.
OPEN1-1.14	Drop side lateral under-run protections with anodised aluminium bars.
OPEN1-1.15	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.
	OPTIONS
	OP OPEN1-1.15_01 Add plastic toolbox 1.000 mm with brackets (C=450).
	OP OPEN1-1.15_02 Add one (1) drawer in chassis with folding aluminium doors. Dimensions: 2,300 x 1,130 x 380 mm
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: <ul style="list-style-type: none"> 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: <ul style="list-style-type: none"> 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: <ol style="list-style-type: none"> 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. 	

OPEN1-1.15**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 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.

OPEN1-1.16

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.

OPTIONS

OP OPEN1-1.16_01 Add two (2) working rear light led reverse gear + selector.

OP OPEN1-1.16_02 Add two (2) led work headlights in central part on each side under the front safety support + reverse selector.

OPEN1-1.17

Chassis finished in non-anodised raw aluminium.

OPTIONS

OP OPEN1-1.17_01 Imp. epoxy finish + acrylic water pain RAL.

OPEN1-2 XL NORM ALUMINIUM FULL BODY, OPEN BOX TYPE SEMILONS WITH SIDE PASS LIFTING ROOF L 2.200 + 800 mm

OPEN1-2.1 Construction of an integral open aluminium box with folding sides of platform dimensions: 13.530 x 2.480 mm. Useful interior length: 13.500 mm with 60 x 80 front bevels (length x width). Roof can be raised by 800 mm in sections of 100 mm.

OPTIONS

OP OPEN1-2.1_01 Body length reduction by linear meter. (-135 kg/m). Range 10.000 - 13.650 mm.

OPEN1-2.2 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.

OPTIONS

OP OPEN1-2.2_01 Change nylon plate at the back underneath the floor for 4 mm stainless steel plate. (+23,5 kg).

OPEN1-2.3 Tubular-type lower belt profile 140 x 45 mm ALITE profile with lower flange for mooring belts. AL6082 T6 alloy.

OPTIONS

OP OPEN1-2.3_01 Add twelve (12) equidistant rings inserted in every lateral. Total 24 units. Rings according to EN12640, 3000 daN.

OPEN1-2.4 Upper profile with large-volume aluminium track-type AL6005 T6 without anodising. Profile height 135 mm.

OPEN1-2.5 Integral front in anodised aluminium, with elevation by means of 2 hydraulic cylinders with a towrope system and pulleys on the trackline, hydropneumatic pump with pneumatic and manual operation. Front panel in stainless steel plate. Chamfers in the front corners of 60 x 80 mm (length x width). Assembly of the front panel screwed to the front profile and to the belts. Walkway at 700 mm from the handrail and maximum dimensions according to regulations. Access staircase in the central part. Handrail of the footbridge 600 mm high.

OPEN1-2.6 Rear doors of 2 leaves in anodized aluminium of book type with external assembly, upper upright in steel tube S275 JR of 100/120x40x2 mm with swivel and folding assembly. Four (4) galvanised steel hinges per door leaf, with double galvanised bolt of the container type and with aluminium protector. Right-hand door leaf in running order with complete espagnolette bolts. Left-hand door leaf with double split espagnolette for independent opening of the top post.

OPTIONS

OP OPEN1-2.6_01 Add stainless manual hatch. right door.

OP OPEN1-2.6_02 Add stainless manual hatch. left door.

OPEN1-2.7	Ten (10) one-piece anodised aluminium Kinnegrip central columns at full height with internal aluminium lifting pin with spring lock for locking intermediate ceiling positions. Three (3) locking claws and sliding carriages with trolleys for large-volume rails. A simple lower box on the side and another simple one in the centre leaving two holes of equal height. Two (2) 140 mm lift boards stackable on each side, total of twenty-four (24) 140 mm lift boards. Welded boxes on the inside of the top for reinforcing bars with a shank. Five (5) 1" galvanised tube bars with welded steel plate pins.				
OPEN1-2.8	Two (2) rear pillars in 4 mm stainless steel plate AISI 304b, construction with canvas tensioner and for 140 mm strip. Mounted by bolting to the side band and the rear profile.				
OPEN1-2.9	<p>Twelve (12) sides in anodised aluminium board, 1.300 mm high. Construction with 7 boards: 1st hinge 200 mm, 2nd TIR 200 mm, 3rd, 4th and 5th central 200 mm, 6th central 150 mm and 7th end 150 mm. Total 1.300 mm.</p> <ul style="list-style-type: none"> - Two (2) aluminium locks per side with three (3) nails with stainless steel mechanism and plastic key. - Seven (7) TIR-7 hinges with screwed galvanised steel male and welded aluminium base. - TIR board with rod with six (6) welded stainless steel riveted pins. - Zinc-plated interior hinge system and exterior livestock lock on the left side in order of operation for steel cables between pairs of opposite sides. Mounted on 6th table. - Six (6) coated steel cables 6x8 mm with turnbuckle at one end and plate for livestock closing at the other. - Six (6) 150 mm rubber stops screwed onto the belt to protect the hinges and sides from shocks. <p>OPTIONS</p> <table border="1" data-bbox="273 949 2148 1050"> <tr> <td data-bbox="273 949 627 989">OP OPEN1-2.9_01</td> <td data-bbox="627 949 2148 989">Add 1,2 mm galvanised sheet metal interior reinforcement at the bottom of the sides. Height 400 mm.</td> </tr> <tr> <td data-bbox="273 989 627 1050">OP OPEN1-2.9_02</td> <td data-bbox="627 989 2148 1050">Add 1,2 mm galvanised sheet metal interior reinforcement at the bottom of the sides. Height 1.000 mm.</td> </tr> </table>	OP OPEN1-2.9_01	Add 1,2 mm galvanised sheet metal interior reinforcement at the bottom of the sides. Height 400 mm.	OP OPEN1-2.9_02	Add 1,2 mm galvanised sheet metal interior reinforcement at the bottom of the sides. Height 1.000 mm.
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OP OPEN1-2.9_02	Add 1,2 mm galvanised sheet metal interior reinforcement at the bottom of the sides. Height 1.000 mm.				
OPEN1-2.10	<p>Seven (7) removable arches in 1" galvanized steel round tube with solid iron round pins welded on. Mounted on aluminium bushes welded to the tricycle. Standard version:</p> <ul style="list-style-type: none"> ▪ First (1°): straight without point next to the front. ▪ Second (2°), third (3°), fourth (4°), fifth (5°) and sixth (6°): with double point at the centre of 100 mm high with a flat part of 500 mm in each pillar. ▪ Seventh (7°): straight without a point, next to the rear pillar. <p>OPTIONS</p> <table border="1" data-bbox="273 1324 2148 1412"> <tr> <td data-bbox="273 1324 627 1364">OP OPEN1-2.10_01</td> <td data-bbox="627 1324 2148 1364">Remove system of seven (7) removable arches. (-48,0 kg)</td> </tr> <tr> <td data-bbox="273 1364 627 1412">OP OPEN1-2.10_02</td> <td data-bbox="627 1364 2148 1412">Mount support for arches on the chassis. (+32,0 kg)</td> </tr> </table>	OP OPEN1-2.10_01	Remove system of seven (7) removable arches. (-48,0 kg)	OP OPEN1-2.10_02	Mount support for arches on the chassis. (+32,0 kg)
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OP OPEN1-2.10_02	Mount support for arches on the chassis. (+32,0 kg)				

OPEN1-2.11	Side sliding curtains made of 900 g/m ² canvas with screwed-in trolleys. Reinforcements included according to XL norm.							
	OPTIONS							
	OP OPEN1-2.11_01		Manual roll-up interior curtains of 680 g/m ² with 3/4" galvanized tube in the lower sheath to be able to roll it up with a manual ratchet. Sewn-in tapes to carry the rolled up tarpaulins. (+82,0 kg)					
	OP OPEN1-2.11_02		Add canvas colour RAL.					
	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							

OPEN1-2.12 900 g/m² loose sweeping canvas with telescopic bar.

OPEN1-2.13	Tin opener roll up 680 g/m ² canvas top, with fall of 300 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) stainless steel plate bayonets screwed to the tricycle, 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. Rear headboard with roof tile and canvas roll-up for lifting. Fixed by means of bushes.							
	OPTIONS							
	OP OPEN1-2.13_01		Remove roof tarpaulin. (-135,0 kg).					
	OP OPEN1-2.13_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							

OPEN1-2.13	OPTIONS	
	OP OPEN1-2.13_03	Change canvas drop right side and fixed left side in running order.
	OP OPEN1-2.13_04	Modify canvas roll-up system with drop to canvas without lateral fall and by fixing it by means of a 1/2" tube inside the tricycle. Lateral sheath and manual key with tape and ratchet for fastening on the front. SPECIAL ALITE SYSTEM.
	OP OPEN1-2.13_05	Change of manual canvas roller system for sliding roof with aluminium arches and straps. Rear sliding trolley with incorporated roller. Cables and construction according to XL norm.
OPEN1-2.14	Two (2) pulling rings at the rear.	
	OPTIONS	
	OP OPEN1-2.14_01	Add four (4) rings to the chassis for the mooring of the vehicle on board.
OPEN1-2.15	Electrical and pneumatic connections integrated into the front crossbeam Electrical connectors ISO 3731 (24 N) + ISO 1185 (24 s) + ISO 12098 (15 P) and red and yellow ISO 1728 tires.	
OPEN1-2.16	Hydraulic connections above the electrical connections, 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).	
OPEN1-2.17	One (1) 3-step retractable ladder on the right rear side in running order.	
OPEN1-2.18	Body of the semitrailer finished in anodised aluminium on pillars, front, sides and rear doors. The rest is finished in raw aluminium.	