

## Product specification

Customer  
PNO Finland OY  
FI-04150 Martinkylä

Auftragsnummer / Auftragsdatum  
1008135 / 18.02.2013  
Sachbearbeiter  
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**Equipment: F0572188**  
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T 010.030	<u>Design A 30</u>
T 000.040	FIN-registration (Finland)
T 000.100	Without country symbol sticker
T 001.328	Lettering on name plate: Typ: SD, certificate no. e1*2007/46*0232
T 001.100	Max registered king pin load: 14.000 kg
T 001.200	Max registered Axle load: 27.000 kg
T 001.300	Allowable gross vehicle weight: 41.000 kg
T 001.040	Max technical tow bar load: 14.000 kg
T 001.057	Max practical axle load: 27.000 kg Gross vehicle weight: 41.000 kg
T 500.001	Suitable for towing vehicle according to ISO 1726
T 500.005	Distance from Kingpin to centre of support device: 2.267 mm
T 002.300	5th wheel height unloaded: 950 mm

### Chassis

A 100.012	Double T-longitudinal beams and cross members including side rave with cross members and extensions all fully welded construction
A 100.103	Award winning Multilock side rave including load securing positions every 100 mm
A 100.310	Neck height: 102 mm (including floor and saddle plate)
A 100.014	2" King pin (corner dimension: 2.040 mm)
A 110.005	Rear bumper for RoRo service, swivelling, with safety chain
A 100.072	Side guard
A 273.010	Huckepack design for railway operation (4 grappler pockets / coloured), rear bumper for RoRo-service
A 033.100	10 pairs of post pockets 81 x 81 mm in side rave and 10

A 429.101	post pockets 81 x 81 mm centrally positioned in the floor
A 420.135	6 Stanchions with total length 2.300 mm
A 300.600	Note: Post pockets / plug in posts not designed for the sole cargo securing
A 491.000	For load area length: 13.620 mm
A 100.317	For load area width: 2.480 mm
A 042.000	additional trestle plate, 3 mm, 1.400 mm long
A 001.000	4 pairs of ferry shackles according to PREN 29367-2
A 001.020	Pull out ladder at rear
	Door catch

### Supporting legs

B 028.001	2 mechanically operated landing legs, 2 x 12 tonnes capacity, semicircular with base plate, Brand: Jost
B 001.000	Landing legs operated from right side
B 028.012	Landing leg crank extended (for Huckepack design)
B 028.011	Reinforcement of landing legs strut at the rear: approx. 45 degrees Attention: restricted clearance for later installation of a pallet box!

### Axles/Suspension

C 000.004	3 axles each with a load capacity of 9.000 kg
C 120.000	Track width: 1.965 mm
C 143.003	Distance from kingpin to centre of axle unit = 7.650 mm
C 100.015	Wheel base: 1.310 / 1.310 mm
C 043.110	With raise and lower valve, including auto reset valve, in lowering position with fixed position
C 138.900	BPW axles with split airbags
C 145.010	KM-counter Axle cap, mechanical design, at centre axle, right side
C 038.000	Rims centrally alligned
C 075.124	BPW axles (19.5") with air suspension and disc brakes, Offset 120
C 075.960	Disc brakes 370 mm

### Tyres (rims)

D 410.010	6 x 445/45 R 19.5, brand Michelin
D 185.100	Without spare wheel
D 130.021	tread: Michelin XTA 2+ Energy
D 300.000	Rims centred

### **Spare wheel carrier**

E 006.001 Winch in central position in front of the axles

### **Mud guards**

F 002.010 Wheel covering according to EC-regulations  
F 010.001 Spray suppression according to EC guideline  
F 002.112 mud flap with "PNO-Logo"

### **Brakes**

G 000.103 Brake system according to EC-re. 71/320//EWG ff or ECE R 13  
G 082.000 Spring parking brake  
G 079.001 Brake air pipes, approx. 800 mm above platform level  
G 102.010 Diagnostics by ISO7638 plug connection (EBS supply cable)  
G 039.004 2 wheel chocks  
G 033.000 Wheel chock(s) with chain  
G 072.002 Additional Duomatic coupling for air system  
G 085.100 EBS-braking system, 2S/2M, 2 sensors on 1 axle  
G 088.520 Braking system, brand: Wabco  
G 088.200 EBS-Modulator with RSS ( Roll Stability Support )  
G 088.500 Attention: The trailer is only allowed on towing vehicles  
with compatible braking systems!

### **Light**

H 000.001 Lights according to EC-regulations 76/756/EWG ff or UN ECE  
Regulation No. 48  
H 000.004 including side reflectors (under 900 mm)  
H 045.027 2 number plate lights (LED)  
H 007.002 Electric-cable connection at front , approximately 300 mm  
above platform  
H 071.010 LED Side marker lights  
H 070.000 2 outline marker lights with rubber-arm  
H 014.015 Position of the first side marker light designed for 3-axle  
tractor units  
H 001.000 24 volt, at front, with 7-channel power socket DIN ISO 1185  
H 080.000 7-channel-power socket DIN ISO 3731 at front, for add.uses  
H 005.120 Multi functional rear lights, brand: Aspöck Euopoint  
H 031.001 Including 1 fog light  
H 021.001 Including 1 reverse light

### Accessories

I 130.018	Trapezium shaped steel buffers at outer rear + delta profile
I 130.013	Delta steel buffers across rear frame
I 010.017	2 warning plates ECE R 70 (red/yellow), on rear doors, in plastic foils, horizontal
I 017.000	1 Orange warning plate, foldable (without number)
I 057.003	Post store left side for 6 plug in posts
I 011.021	Post store suitable for plug in posts with a total length of 2.300 mm

### Floor

W 000.052	Type: BO 13620 B
W 048.110	30 mm thick, phenolic coated plywood floor, sectioned area fully waterproofed and sectional areas sealed. Resistance according to DIN 283; for floor loadings up to 7.000 kg forklift axle load.
W 048.105	Premium floor sealing

### Roof frame

M 000.120	Type: AB 13620 AP, dimensions:13620 mm inside length x inside width
M 483.000	Aluminium cant rail, continuous, for support of sliding curtain and sliding posts
M 695.114	[01] EDSCHA sliding roof (175) with plastic joints, height 175 [01] mm, gradient 0 mm, suitable for transport of mesh [01] containers according to DIN 15155 [01] Nachtragsdatum: 25.02.2013
M 550.000	Side access height, floor to cant rail at front: 2.860 mm
M 550.005	Side access height, floor to cant rail at rear: 2.860 mm
M 550.570	Internal height with closed roof: 3.000 mm
M 551.000	Rear access height (through rear frame): 2.845 mm
M 560.000	Codification by the conventional method with self-recognition to the owner Codification shield
M 550.804	total height (unloaded) with lowered air suspension, max. 4.000 mm by Huckepack with railway operation, King Pin 850 mm on support trestle with code "d" = (HK-Profil P 400) and max. 4020 mm by Huckepack with railway operation, King Pin 880 mm on support trestle with code "e" and "f" and "g" and "i" HK Profil P 402
M 550.825	Important information: rail transport allowed only with the

side acces height mentioned above (basic setting of roof  
respectively to top level)

- M 550.850 Huckepack operation Code XL (for transport over 120 to 140 km/h)
- M 743.110 Lifting roof, hydraulic, liftable up to 500 mm at 4 corner posts separately
- M 743.121 Adjustable driving height, front, lowering device from basic position 150 mm (in 50 mm steps), reduced lift: 350 mm
- M 743.122 Adjustable driving height, rear, lowering device from basic position 100 mm (in 50 mm steps), reduced lift: 400 mm
- M 080.005 Rubber lip seal at cant rail: grey
- M 072.001 Roof also movable to rear (roof curtain fixable to front roof cover and if necessary diagonal tension has to be released before moving)
- M 458.000 EDSCHA sliding roof with reinforced steel cross members
- M 080.000 Diagonal roof spanning
- M 044.011 5 Set(s) of wooden planks (96x25 mm)

#### **Front wall**

- N 253.008 Steel front wall with bolted corner posts, side loading restricted
- N 253.010 Front wall inner reinforced with plywood
- N 254.010 Curtain hooked to front wall with reinforcement rail
- N 129.001 Holder for curtain cord at front wall
- N 129.020 Delta shaped profile at the Coupling bearing

#### **Rear wall**

- N 303.001 Steel container rear doors including bolted steel frame, integrated door locks and concealed door hinges; roof traverse hinged and movable
- N 350.001 Loading width at rear doors 2.480 mm
- N 308.015 Rear wall painted
- N 224.101 Door locks with tilt locking
- N 224.001 Double door locks for container rear door
- N 281.010 Curtain clamping device at rear frame with ratchet
- N 089.504 Fixing of tensioning pole (sliding roof) on rear wall

#### **Drop sides**

- N 239.000 Without drop sides

### Posts (stakes)

- P 010.013 3 pairs of side posts, positioned opposite each other symmetrically, with 6 different mounting positions on each side of the chassis, Loading width between side posts 2.480 mm
- P 011.011 Plank pockets for stanchions: 1 set on floor level suitable for 4 sets of planks
- P 011.002 5 sets of plank pockets in stanchions

### Accessories

- R 086.000 Without customs seal
- R 050.004 PVC document box at front wall, left side, diagonally mounted, brand: Sauermann
- R 050.010 Note: angular mounted (approx 10 degrees)
- R 105.035 Sticker 'Load security certified' (VDI 2700 / EN 12642 XL)

### Curtain

- S 395.001 # 1 PVC curtain, with full lengths vertical reinforcements,  
# top with rollers for sliding, bottom with tensioners,  
# material quality 850 gr./m<sup>2</sup>  
# [TO TRANSLATE!!!]
- S 072.000 PVC curtain according to railway regulations
- S 058.101 Curtain with PVC above the slats for protection against gripper edges
- S 451.021 Anti tilt load security with brakes, made from stainless steel, lock release below
- S 381.001 [01] Curtain provided for sliding roof  
[01] Nachtragsdatum: 25.02.2013
- S 460.001 Curtain produced accordingly to fit pre-adjusted roof height
- S 100.002 Roof curtain yellow
- S 100.005 Roof curtain ADR, DIN 75200 in 680 gr. design
- S 089.000 TIR cord fitted
- S 100.031 White, reflective part outline markings on both sides of curtain, ECE-R48
- S 100.026 red, reflective outline marking on rear door, ECE-R48

### TÜV-Approval

- Z 010.002 Approval of the EC certificate of conformity according to Annex IX of Directive 2007/46/EC approval:

e1\*2007/46\*0232\*04  
Z 002.011 Manufacturer certification  
Z 050.005 Load security certificate according EN 12642 Code XL  
Z 900.000 Attention: by pick up of trailer please note the vehicle's  
total height. We have special att. to the following points:  
1) The common carrier is in authority for damages. 2) For  
the transfer of the vehicles, we assume no liability. 3)  
The carrier must seek self-About a permit under § 29 of  
Road Traffic Regulations.

**Painting**

X 000.021 Type: paint 13620 S  
X 001.002 Steel parts are shot blasted, KTL-primer coated and powder  
coated  
X 056.006 Advice-Sticker "Take care, high trailer" on the front wall,  
right side  
X 056.007 Fleet numbers, height 100 mm, black adhesive film Placing:  
on front wall in driving direction on l.h.s. bottom Fleet  
no. = license number!

**1. Color : 1**

**Position 10170**

X 122.000 4 sides labeling  
X 122.000 -on the sides  
X 122.000 -at the back  
X 122.000 -in front  
X 122.000 Contact person: Petteri Heino  
X 122.000 Email: petteri.heino@pno.fi  
X 600.001 Clearing Labeling over the customer is necessary  
X 600.000 [02] Designnumber: BK-NYB-P001F

**. Color :**

**Position**

X 600.000 Nachtragsdatum: 27.02.2013

**1. Color : 1**

**Position 10170**

X 998.147	Chassis including side rave MB 7350 NOVA GREY SDGL
X 998.130	Axles including hub RAL 9005 JET BLACK
X 998.890	Attachment parts BLACK OR GALVANIZED
X 998.537	Upper structure (front wall/rear portal/rear wall) RAL 9010 PURE WHITE
X 998.212	Rims SILVER NATURE
X 998.272	Side guards WHITE POWDER COATED
X 998.242	Rear bumper/light panel WHITE POWDER COATED
X 998.742	Side posts (Curtain sider) PRIMER COATED
X 998.831	Landing legs RAL 9005 JET BLACK
X 998.828	Ferry shackles RAL 1004 GOLDEN YELLOW
X 998.847	Gripper edges RAL 1004 GOLDEN YELLOW
S 998.100	Curtain colour: RAL 5011 STEEL BLUE