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Maßstab 1:40		
	Datum	Name
Gez.	23.04.2013	Krämer
Gepr.	24.04.2013	Sommer
Urspr.		



Ers.f.

4-Achs K25 H SPE 4

4-axe K25 H SPE 4

51000942

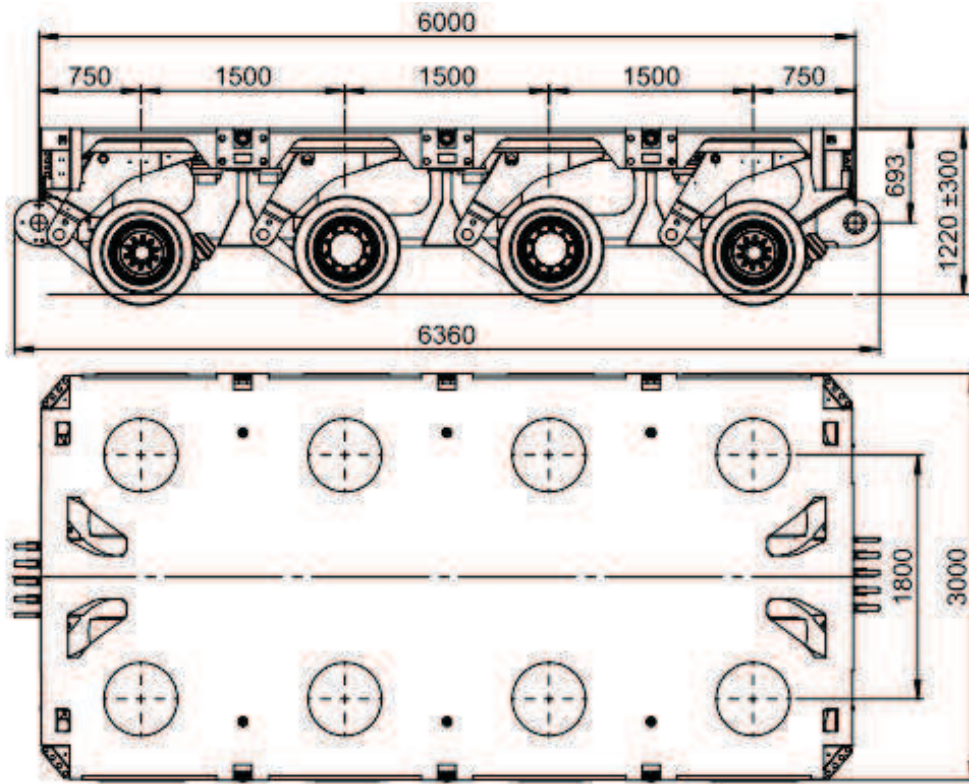
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# Technical Data Sheet 4-axle K25 H SPE 4 (Type K2504HSP4E)

**K25**  
SCHEUERLE-KAMAG



## Technical data

Drawing no.	51000942				
Travel speed	15 km/h **)	10 km/h **)	5 km/h **)	3 km/h **)	1 km/h **)
Payload-max. [kg] *)	98.100	108.900	129.700	129.700	163.300
Deadweight-approx. [kg]	16.700				
Total weight [kg]	114.800	125.600	146.400	146.400	180.000
Axle load - admissible [kg]	4x 28.700	31.400	36.600	36.600	45.000
Platform dimensions (L x W)	6000 mm x 3000 mm				
Coupling length	6.000 mm				
Platform height-driving pos. (loaded)	1.220 mm				
Axle compensation	+/- 300 mm				
Platform height-lowered (loaded)	920 mm				
Type of steering/steering angle	slewing ring - hydraulic motor / max. +/- 140°				
No. of wheel bogies - total/braked	8 / 4				
No. of wheel bogies - driven	4				
Tractive force/braking force ***)	320 kN / 174 kN				
Brake system	equipped with a dual circuit brake system				
Travel speed-driven	up to 15 km/h ****)				
Tyres	32 x 215/75 R17,5 - 135/133J				
Operating temperature	-20 °C up to +40 °C				
Oil volume	-				

\*) Payload without deadweight of PPU or other accessories

\*\*) Attention! Tyre pressure has to be increased up to 12,6 bar

\*\*\*) Attention-if the traction force is bigger than the parking brake force, please consider the instructions!

\*\*\*\*) Depending on PPU - design and combination

## Technical specification

### **K 25 H SP E** **(Type K 250x H SPy E)**



#### **Vehicle design:**

- The K 25 H SP E self propelled platform trailer can be used as a single unit or in combination with other units. These combinations can consist of self propelled units of the same kind or of K 25 H platform trailers.
- The K 25 H SP E platform trailer is a member of the K 25 H series. Adequate numbers of driven pendulum axles in the 3-, 4-, 6- and 8-axle platforms are installed to provide the propelling resp. drive function.
- The load carrying capability of the standard pendulum axles and the hydrostatic power components are combined into the propelled resp. driven pendulum axles.

#### **Included in the vehicle:**

- Open frame design, produced as centre part in 2-, 3-, 4-, 6- or 8-axle platform trailer made from high-strength fine-grained steel.
- Lamellar bolt coupling on both ends with a mechanical coupling pin on one end.
- Swivel bolster securing point at distance of 1500 mm, above the axle lines.
- Drill hole pattern integrated on both sides of the platform for mechanical connection of coupling blocks for 3- and 4-axle file combinations.
- The platform trailers can be coupled behind each other or side-by-side. The SP E PPU can be coupled on the front or rear platform end or, with additional accessories, on top front or rear side.
- Attachment points are situated on both longitudinal sides between each axle. They are able to take 200 kN horizontal or vertical lashing force.
- The areas above the track rods are equipped with removable aluminium cover plates.
- An electronically controlled hydraulic all-wheel steering system is implemented. Each wheel bogie is equipped with a hydraulically driven bevel wheel interfering with the tooth wheel of the table roller bearing which is fixed to the vehicle frame.  
An infinitely variable steering angle up to  $+ / - 140^\circ$  is possible. Each wheel bogie is controlled individually. The nominal-actual angle comparison is based on values of a precision potentiometer interfering with the tooth wheel of the table roller bearing. The steering computer is adjusting the angle of the wheel bogies in accordance with pre defined steering programmes respective geometries.
- Mechanical track indicators are fitted on all axles and steering plates.
- Zero-maintenance swivel bearings for pendulum axles.
- Swing arm bearings equipped with grease lubricated spherical bearings which are easy to maintain.
- All lubrication points are equipped with lubrication nipples for manual lubrication.
- All running gears can be lifted individually, the running gear can be mechanically locked (in the retracted position using axle pins, 2 pins per axle line included) and hydraulically shut-off. All driven pendulum axles have to be lifted in the towed mode.
- The pendulum axles with brake are equipped with AGS (automatic brake adjuster).
- Two circuit pneumatic brake system. Protection valve for actuated parking brake installed.
- The connection of the brake system via fast-locking couplings installed at the front and rear left and right side.
- Hydraulic axle compensation and platform lifting system.
- Possibility for activating or disconnecting the hydraulic suspension system between each axle line.
- Line break protection system (single-circuit version) in hydraulic suspension system.
- Connection possibility for hydraulic steering by hydraulic couplings installed in all four corners of the vehicle.

## Technical specification

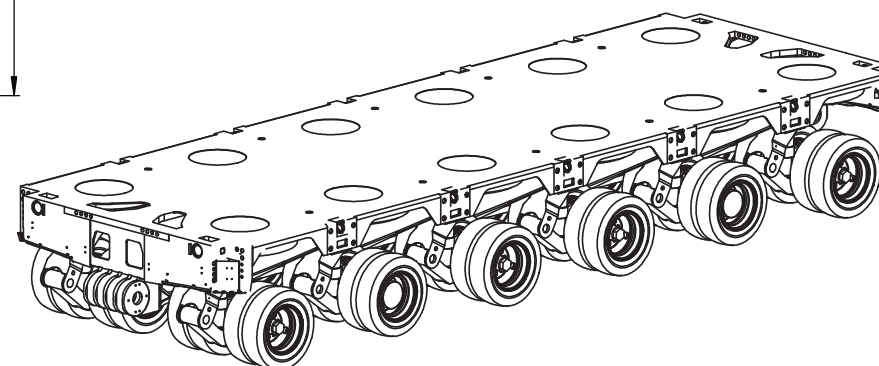
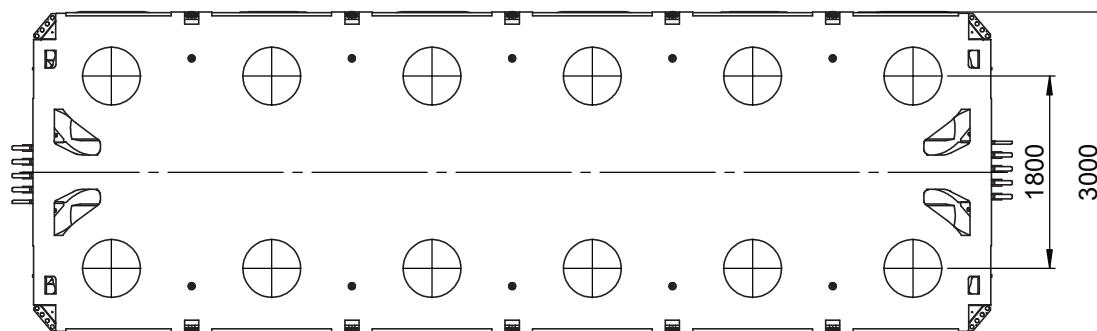
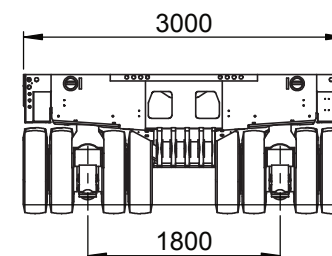
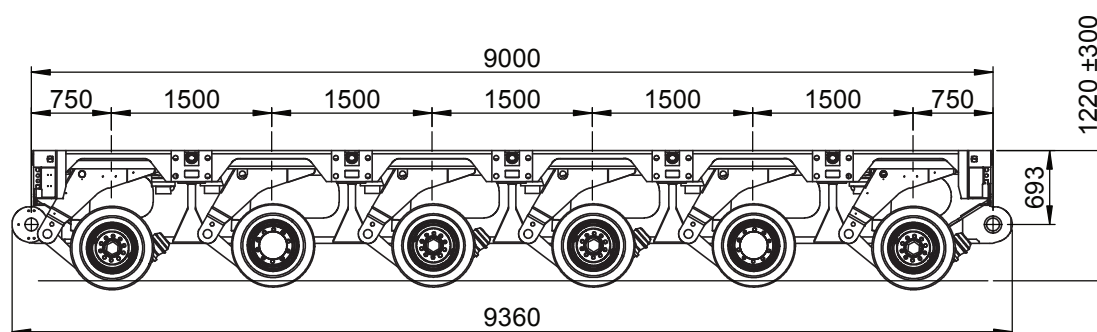
### **K 25 H SP E** **(Type K 250x H SPy E)**



- The connection of the hydraulic suspension system via fast-locking couplings installed in all four corners.
- Side marking lamps installed in 3000 mm spacing.
- 24 Volt lighting system.
- Connection possibility for light and special functions by a 16-pin socket installed on all corners of the vehicle.
- All control levers installed pointing towards the exterior of the vehicle.
- Vehicle is equipped with operating and warning signs and markings required by law.
- Contour marking of the vehicle in accordance with directive ECE R 104.
- Corrosion protection in accordance with internal specification.
- Platform inside and running gears are coated in RAL 7016 (grey) colour.
- The coat of the frame top and frame side areas is coated in customer chosen colour out of the internal colour chart.
- Rims and wheel hubs in silver colour.
- Each platform trailer unit is equipped with a set end to end coupling elements consisting of:
  - 1 PC 1 PC Hydraulically operated coupling pin with conn. To the P/T System
  - P/T Hydraulic transition system with connections for the hydraulically operated coupling pin
  - 2 PC's Track rod; each 1500 mm long
  - 2 PC's Connection pin incl. bolts and washers
  - 6 PC's Bolt M30x150 incl. nuts and washers
  - 1 Set Distance plates in different thickness for pre-bending
  - 1 Set Hydraulic connection hoses for support, steering and transition system
  - 1 Set Pneumatic connection hoses for the brake system
  - 1 Set Connection cables for the power supply and ABS system
- 1 set of complete documentation, on paper
- 1 set of complete documentation, on CD

#### OPTIONS:

- 12 Volt instead of 24 Volt lighting system)
- 1 Set Hydraulic lines for coupling with mechanically steered platform trailers
- 1 Set Contour marking
- Top surface anti-slip coated
- 1 PC Manual central lubrication system
- 1 PC Automatic central lubrication system
- 1 PC Distance indicator (Kilometre/Mileage counter)
- 1 Set Tools
- 1 Set Hydraulic connections drive system
- 1 Set Connection cables for drive and steering system



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