Forwarding trailers

There are three different product lines of Pfanzelt forwarding trailers - depending on the existing towing vehicle, the desired area of application, and the material to be loaded.

S-line forwarding trailers

The model S6 is the starting model into Pfanzelt's forwarding trailer programme. A compact forwarding trailer with considerable power.

The second model in the S-line series is compact but nevertheless a small power pack. It was designed for the use by private forest owners and semi-professional operations. The S-line forwarding trailers are agile and productive.

► Page 52

6 - 8 t

6.3 - 6.7 m

Profi forwarding trailers

With its Profi forwarding trailer series, Pfanzelt offers the most extensive forwarding trailer range on the market. With its special modular design, the user can put together the forwarding trailer according to his own requirements and choose between various weight classes, brake systems, loading cranes and an extensive range of accessories.

► Page 62

9 - 13 t

6.3 - 10 m

logLINE forwarding trailers

The logLINE range of forwarding trailers completes Pfanzelt's higher range of forwarding trailers with three top models. Uncompromising and powerful professional technology characterise these models.

▶ Page 76

14 - 17 t

7.7 - 10 m

Forwarding trailers - areas of application

Forwarding in standing timber

Forwarding in standing timber

Forwarding in standing timber as well as the transport on the forestry road sets high demands on the forwarding trailer technology. User-friendly and safe work is guaranteed not only by the swivel drawbar with large steering angle and two powerful swivel cylinders, but also by the bogie axle with large climbing capacity.

Round bale loading body

For simple and secure transport of round bales, the Pfanzelt accessory range offers the round bale loading bridge.

On-road transport

On-road transport

Transports on the roads are also demanding for the technology and safety of the forwarding trailer. All Pfanzelt forwarding trailers are optionally available with a road licence. Depending on the equipment, a CoC document is available for 25 km/h.

Transport systems

Various floor pan systems enable the flexible use of ergonomically optimised forwarding trailers. The Pfanzelt transport systems thus enable easy transport of branches and brush material in forests and on the road. Especially for road transport, numerous safety measures can be omitted.

If this is permanently mounted on the vehicle, this protects the tyres from damage by the gripper.


Gefahrenzone 20 m
TEST
Fm-kran
5406
50

Independently tested.

Profi forwarding trailer P13

In a major comparison test, the "Landwirt" journal, together with BLT Wieselburg, FAST Traunkirchen at Waldcampus Austria, SVS (Social Insurance for the Self-Employed), and AUVA, have put 10 forwarding trailers under the microscope.

The test verdict of the independent inspectors

"The well thought-out - The Pfanzelt trailer is characterised by a well thought-out overall concept. It is the only test candidate without a negative evaluation."

+ Flexible stanchion positions
+ Parking position for the crane
+ Large bogie swing angle
+ Crane acceptance test is standard

The conclusion of the testers

"Pfanzelt's trailer was "not noticable" throughout the test. It passed all the tests assigned to it brillantly. Our test candidate is also inconspicuous in terms of acquisition costs [...] Probably the Pfanzelt and the Schlang & Reichart, which comes from the same company, are among the trailers with the best price-performance ratio."

The complete test report and a video of this test can be found at www.pfanzelt.com.

S-line forwarding trailers

The Pfanzelt S-line forwarding trailers are especially designed for use by private forest owners and semi-professional operations. The reliability of the technology has the same priority as for professional. However, the job description is different.

The Pfanzelt S-line forwarding trailer is especially designed for service with private wood owners and semiprofessional operations.

An important criterion when buying a forwarding trailer is the safety equipment. Pfanzelt forwarding trailers offer all safety features required by KWF, FPA and the trade association.

Technical details ▶ Page 60

Types

Forwarding trailer S6

The model S6 is the starting model into Pfanzelt's forwarding trailer programme. A compact forwarding trailer with considerable power.

Forwarding trailer S8

For larger tasks in the farm forest, Pfanzelt will present the new S8 model in 2022. It has a longer crane with higher lifting capacity and an increased loading volume.

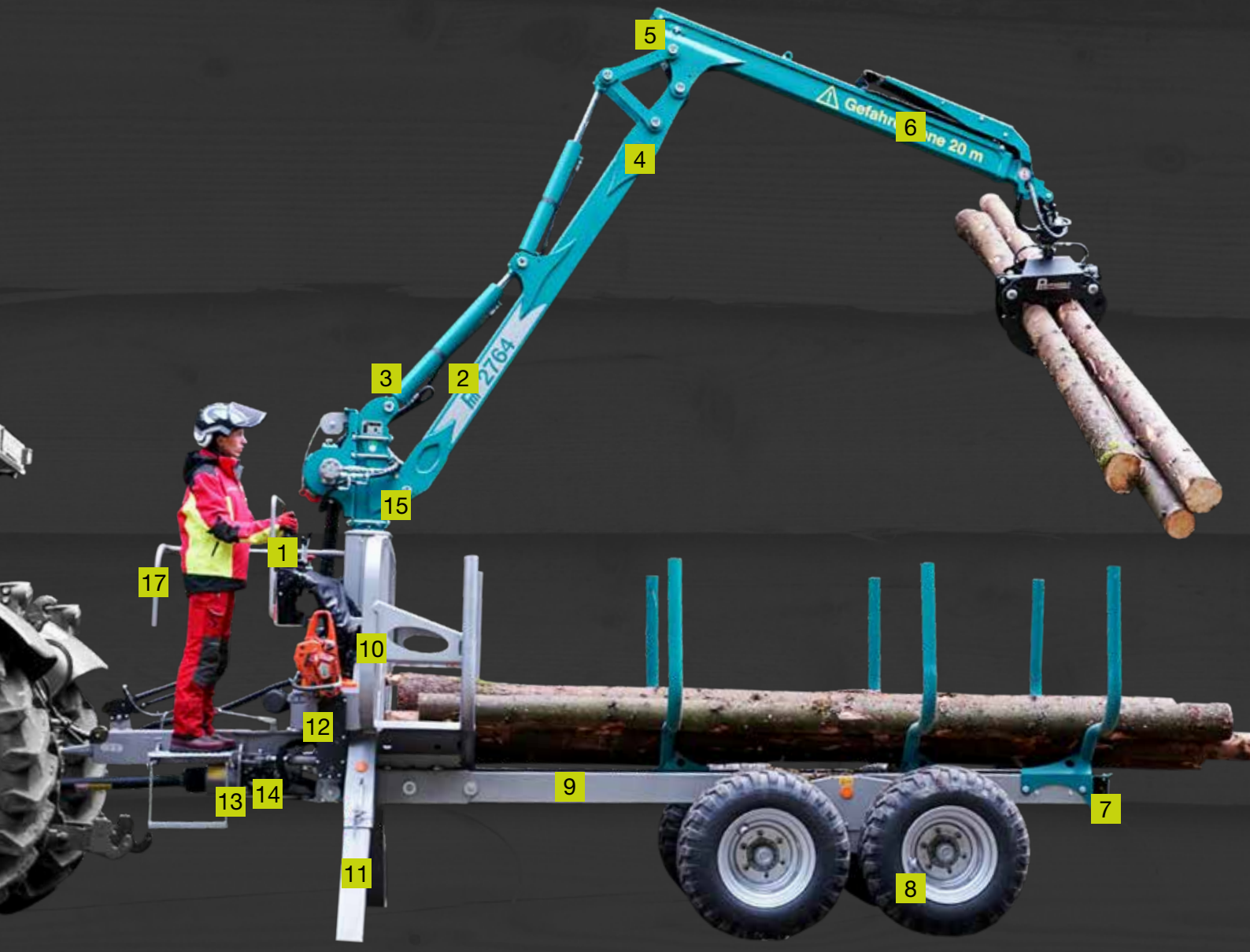
Made in Germany

Convincing technical details:

- Payload in forest 6 t
- Double frame made of special steel
- Modern and powerful forestry cranes
- Independent hydraulic oil supply with protected piston pump installed in the draw bar (optional)
- Accessories for forestry professionals: various braking systems, cuttings tray, crane cable winch

S-line forwarding trailers live in action.
youtube.com/pfanzeltTV

S-line forwarding trailers
Technical details at a glance:



1 **Ergonomic operation** via cross-lever control.

2 **The hydraulic hoses are run in a hose shaft** to protect the user at the operating console.

3 The cylinder is mounted on top to protect it from damage during loading.

4 A carefully conceived system of **concealed hoses** over the entire crane minimises downtime.

5 The **Power Link System** guarantees manoeuvrable crane work, more reach and lifting power.

6 The **telescopic cylinder** is internally mounted, protecting it from damage.

7 Folding lighting units protects lights against damage in standing timber.

8 The different braking systems offer safety when driving in the forest and on the road. ► Page 57

9 **Screwed double frames** prevent fatigue cracks which may occur in welded constructions.

10 Massive and robust **front grilles** for optimum safety during crane operation and when driving on public roads.

11 Space saving **A-column stabilisers** with concealed cylinders ensure a high degree of stability when parking.

12 Tidy and safe, the chainsaw can be stored in a holder. Canisters and small materials have their place in a storage compartment.

13 **A one-man system** for **mechanically locking** the steerable draw bar when driving on public roads.

14 **Steering drawbar** with protected axial piston pump. ► Page 57

15 Sturdy and powerful **Two-cylinder slewing gear** with high slewing torque.

16 **Oil storage tank** protected from damage and installed without restriction of visibility.

17 **Operating console** with non-slip standing plate, ladder and back support for optimum working safety.

S-line forwarding trailers
Technical details

Double frame

The frame of the S-line forwarding trailer is constructed as a bolted double tube frame. In this way, the loading bed can be used flexibly for different trunk lengths. Metre wood can be loaded at right-angles without conversion.

As soon as the two additionally available stanchions are mounted in the rear, the forwarding trailer can also be loaded with metre-wood bundles, or loose metre wood diagonally to the direction of travel.

High-sided floor pan

Optionally, the forwarding trailer can also be equipped with a tray for cut material. It consists of two parts and can be mounted quickly and easily with the crane. The hot-dip galvanised high-sided floor pan is designed for transporting branch and cut material.

Steerable draw bar

The S-line forwarding trailers have a swivelling drawbar with high steering angle as standard. Two powerful hydraulic cylinders facilitate operation even when the laden forwarding trailer is turned against the slope. The steerable draw bar can be mechanically locked when driving on roads.

Brake system

The S-line forwarding trailers are equipped with a hydraulic 2-wheel braking system as standard.

Bogie axle

The bogie axle provides stability during crane operation and the greatest possible off-road mobility when driving, especiallyoin forwarding tracks. The even distribution of the ground pressure is another big advantage.

Stowage space

Important work equipment such as petron cans or tension belts are always at hand and can be transported safely. A chainsaw holder is also standard.

Hose routing

Protected routing of the hydraulic hoses from the control block to the tip of the crane ensures low down-times and maxises safety at work.

Pfanzelt's highest priority is to ensure that the hydraulic hoses are secured over the entire crane or installed internally.

Stabilisers

Protected from damage when loading, the cylinders of the A-pillar support are installed inside. The telescopic structure of the stabilisers ensures secure support even in thick stands of timber and on slopes. It also makes it possible to drive close to the polter and thus utilise the full lifting power of the loader crane.

Crane geometry

The toggle system on the crane – also known as the power link system – between the main boom and folding boom ensures optimum crane geometry for loading work. Ergonomic loading directly onto the front grille is also thus made possible. Protected from damage when loading the forwarding trailer, both hydraulic cylinders are located above the main arm. It also ensures constant force, greater reach and a higher working speed.

Ergonomic operation

The Pfanzelt operating station mounted as standard on the draw bar provides a well organised work station outside the hazard zone with an optimum view for safety purposes of the loading crane and the surrounding area. The crane control, which has two cross levers with an electric switch each, enables easy and comfortable crane operation.

Technology explained in detail.
www.pfanzelt.com

Technology explained in detail.
www.pfanzelt.com

Crane winch

The Pfanzelt crane cable winch for the S6 and S8 offers more comfort and safety in use.

- Tractive force 1.5 t, cable capacity 50 m
- Professional forestry radio system
- Mechanical trailing drum brake
- Freewheel for fast and easy cable pull-out

LED lighting with indicator monitoring

The lighting system using LED lights is integrated in the frame. To protect the lights when working in the forest, these can be folded in.

S-line forwarding trailers
Technical specification

Forwarding trailers	S6	S8
Frame structure	bolted double frame	
Bogie axle	●	●
Front grille area	1.40 m²	1.79 m²
Long flat bed	3,500 mm	3,710 mm
Hydraulic Pivoting drawbar with 2 cylinders	●	●
Stanchion pairs	3 + 1	3 + 1
Payload on private roads	6 t	6 t
Permissible gross weight on public roads	up to 6 t	up to 8 t
Empty weight with crane	approx. 1.7 t	approx. 2.2 t
Lighting	according to StVZO, integrated in frame, retractable	
Operating station on draw bar	●	●
Braking system	2-Wheel hydraulic brake	
Brake surface	300x60 mm, 6-hole rim	300x60 mm, 6-hole rim
Tyres	380/55-17" 14 PR, grooved profile	
Rim with valve protection	●	●
Loading crane	**LK 2764**	**LK 3767**
Reach	6,340 mm	6,700 mm
Lifting torque net	27 kNm	35 kNm
Pivoting torque	8.1 kNm	11.9 kNm
Crane control	8-fold mechanical, 2 cross levers with 2 electrical functions (rocker) for gripper and telescope	
Double clam shell gripper	● Pm 150	● Pm 230
Crane inspection and initial acceptance, incl. inspection logbook	●	●

Range of accessories	S6	S8
Hydraulics		
Own oil supply (axial piston pump)	○ (63 litres)	○ (63 litres)
Tyres		
480/45-17" groove profile with valve protection	–	○
Braking and drive systems		
4-wheel hydraulic brake	–	○
2-wheel overrun brake with 2-wheel hydraulic brake system	○	○
2-wheel air brake system incl. hydraul. Braking system		○
Loading crane		
Crane cable winch mounted on the front grille, pulling force 1.5 t	○	○
Crane operating hours counter	○	○
LED working lights in the crane arm	–	○
Frame and construction		
Stanchion pair insertion in the rear	○	○
High-sided floor pan	○	○

● Standard ○ Option – Not available

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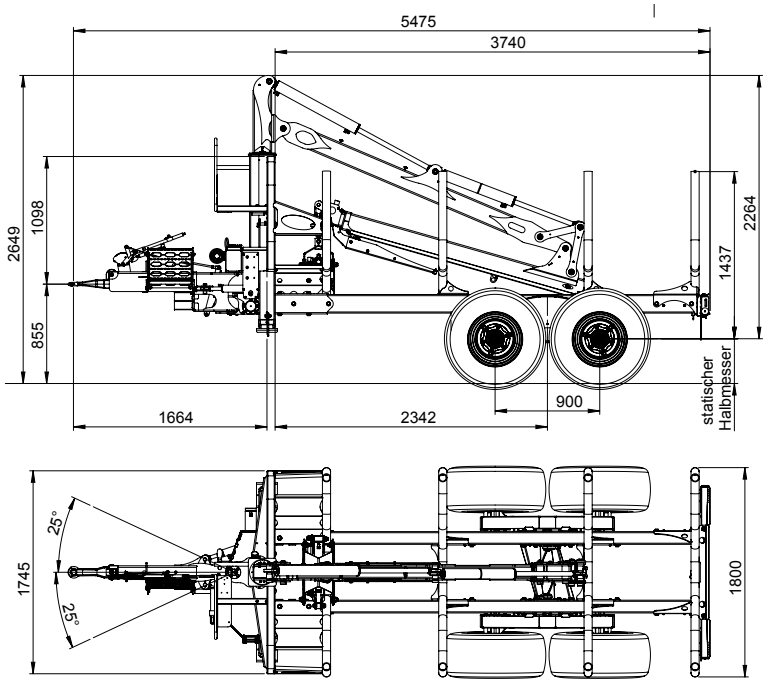
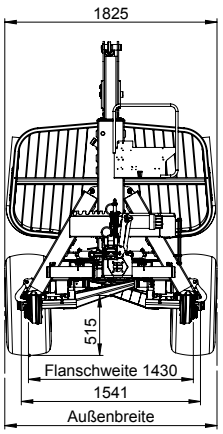
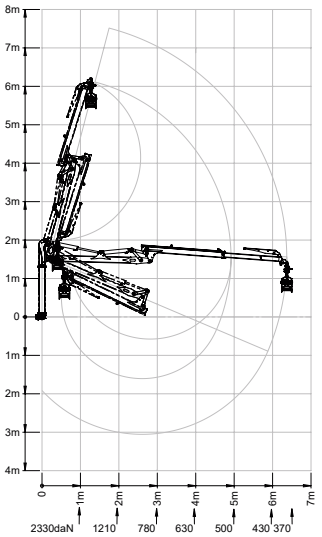
S-line forwarding trailers
Dimensions

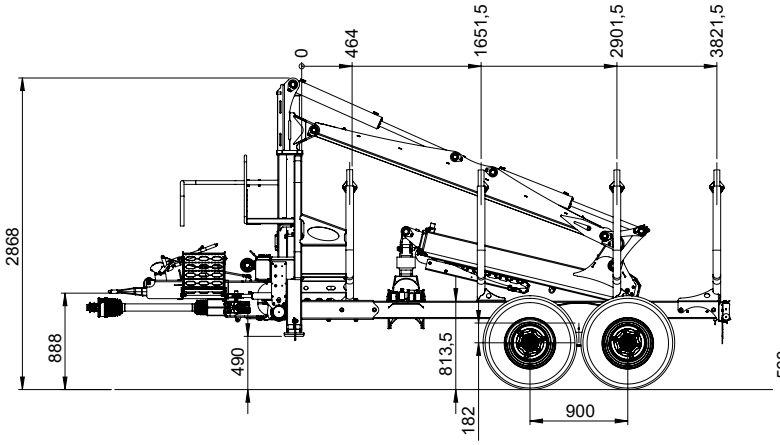
S-line forwarding trailers S6

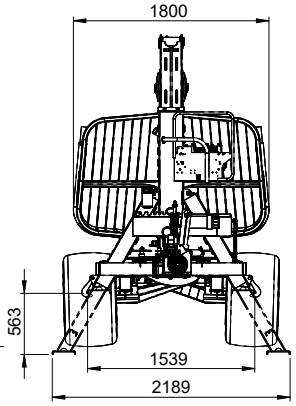


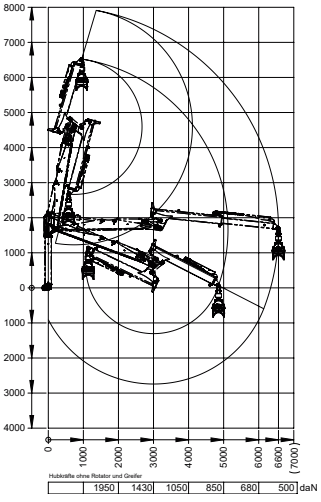


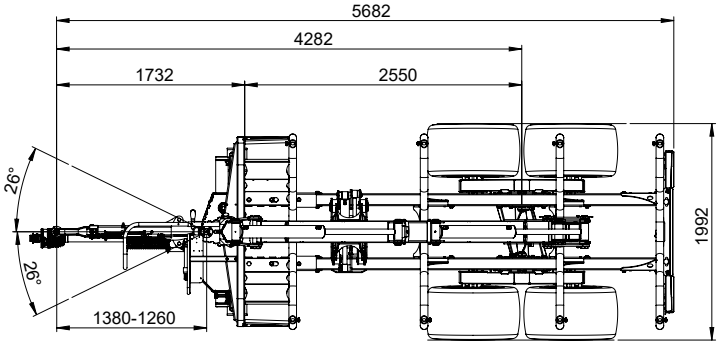


S-line forwarding trailers S8









Shown with tyres 480/45-17“

Profi forwarding trailers

Requirements for modern forwarding trailers vary greatly depending on their application. Pfanzelt offers the most extensive range of forwarding trailers on the market. This offers every user the possibility to individually compose the Pfanzelt Profi forwarding trailers for his requirements.

Technical specs ► Page 72

Convincing technical details:

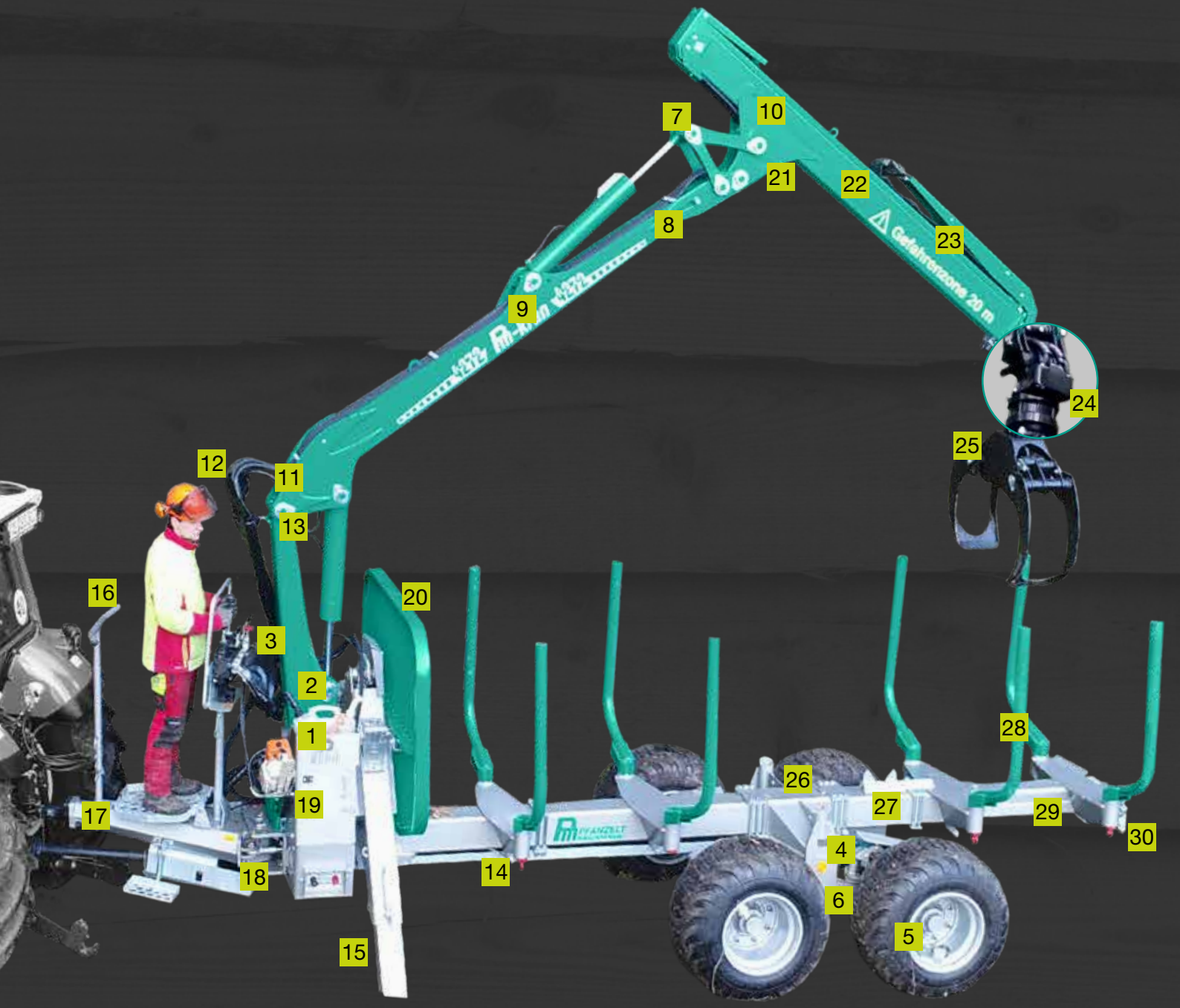
- Central-spar frame for maximum stability
- Frame extension and sliding axles for optimum weight distribution combined with a high degree of load flexibility
- Licenced for public roads with CoC document (depends on the equipment)
- Powerful loading cranes made for professionals with a reach of up to 10 metres and a hoisting force of 7 m/t with a rapid traverse valve for even faster telescopic extension
- A-column or H-column stabilisers for optimum parking stability even in difficult terrain
- The operating console on the draw bar offers a well organised work station
- Large range of accessories for forestry professionals

Made in Germany

Professional forwarding trailers live in action.
youtube.com/pfanzeltTV

Pfanzelt Profi forwarding trailer P13 with Z-crane 5388, high seat and radio control

Profi forwarding trailers
Technical details at a glance:



1 The large **oil storage tank** is installed in a way that it is protected from damage, and impairment of the field of vision is prevented. ► Page 98

2 Very sturdy and powerful **four-cylinder slewing gear** made of cast metal with a high swivel torque. ► Page 95

3 **Ergonomic operation** via two mechanical joysticks or control panel for cable and wireless control.

4 Optional **drive systems** enable optimum traction in difficult terrain. ► Page 70

5 Safety while driving is provided by the **4-wheel compressed air brake system** with spring mechanism. ► Page 67

6 **Lubricating, adjustable spherical plain bearings** guarantee a correct straight run of the axle. ► Page 67

7 The **Power Link System** guarantees agile crane work, more reach and lifting power. ► Page 96

8 A system of **protected hoses** on the complete crane guarantees minimum downtime. ► Page 97

9 The bearing arrangement of all locating pins in greasable **bronze bushings** ensures long service life and pressure stability.

10 The crane is designed according to the **Crane load class B4** for continuous dynamic load. ► Page 94

11 Protected from damage, the **cylinder**of the main arm can be **installed overhead**. ► Page 94

12 **The hydraulic hoses are run in a hose shaft** to protect the user at the operating console.

13 **Rotary transmissions** maximise the functional safety and service life of the hydraulic hoses.

14 **Lashing lugs** serve as attachments for securing loads during on-road transport.

15 Space saving **A-column stabilisers** with concealed cylinders ensure a high degree of stability when parking.

16 **Operating console** with non-slip standing plate, ladder, and back support for optimum working safety. ► Page 98

17 **Steerable draw bar** for top and bottom attachment with protected piston pump mounted on or under the draw bar.

18 **A one-man system** for **mechanically locking** the steerable draw bar when driving on public roads.

19 The chainsaw and canister are stored neatly and safely. Small items can be put into the tool box.

20 Massive and robust **front grilles** for optimum safety during crane operation and when driving on public roads.

21 Available **crane lights** turn night into day and always illuminate the work area. ► Page 99

22 The electrically actuated **quick-action valve**, supplied as standard, ensures rapid telescopic extension of simple telescopic booms.

23 Protected from damage, the **telescopic cylinder is installed inside**. ► Page 97

24 Equipped as standard with a powerful **flange rotator** and on request also with a **double pendulum brake**.

25 **Various grippers** for every application: Double clamshell bucket, 4-finger grab, earth grab ► Page 102

26 The **shiftable bogie axle** guarantees optimum weight distribution for every load. ► Page 67

27 The **torsion-resistant central spar** is rated for the highest loads. It ensures perfect off-road handling.

28 **Sliding stanchion arrays** ensure safety and easy crane operation with loads of different lengths.

29 The **frame pullout** allows the loading area to be extended by up to 2,000 mm in several steps.

30 The LED lighting can be folded in when working in standing timber. This ensures greater durability and reliability.

Profi forwarding trailers
Technical details that will convince you

Frame

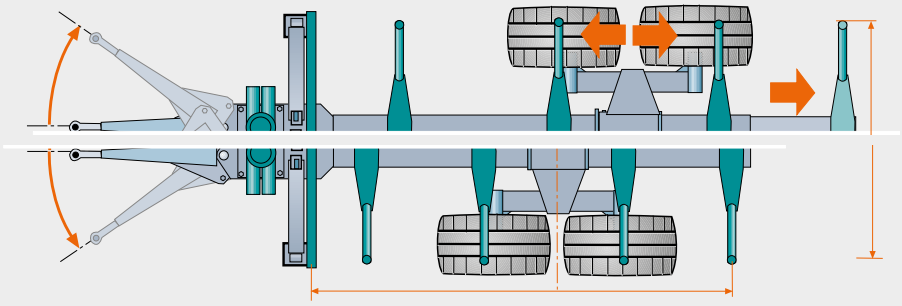
The strong frame structure which is based on a torsion-resistant central spar is the basis for the excellent off-road handling properties of the Pfanzelt forwarding trailer, even when loaded. The central spar is made of fine grain steels to cope with the highest loads. Besides maximum stability, this design offers maximum ground clearance. The frame is only welded to the crane support in the front area, meaning that the strength of the central spar is not compromised.

To stabilise the forwarding trailer for heavy crane superstructures, the central spar in the crane mounting plate area is double-walled (not for model P11+). A second pipe is welded into the central spar with a high technical effort.

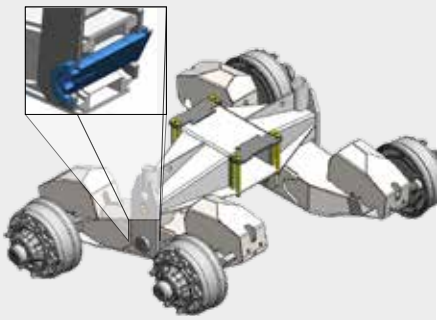
Sliding axle

The flat bed can be extended by up to 2,000 mm for the transport of various timber lengths by means of an integrated, extensible frame.

The stanchion beams and the axle bogie, which can be moved individually on the central spar, also offer the greatest possible flexibility when loading the forwarding trailer. By shifting the axle bogie, the heavy loads can be precisely matched to the type of tractor, thus avoiding both an excess of the drawbar load and a negative drawbar load.



Technology explained in detail.
www.pfanzelt.com



Bogie axle

The bogie axle of Pfanzelt forwarding trailers offers stability during crane operation and the best possible drive characteristics. The large pendulum travel of the bogie axle has a range of up to 394 mm. This enables that the trailer can safely drive over branches and other obstacles.

The even distribution of the ground pressure is another big advantage.

Bearings

The bogie axle is mounted on lubricatable and adjustable spherical articulated bearings. This guarantees true running for many years.

Brake systems

Pfanzelt Profi forwarding trailers are equipped with a brake system as standard. Depending on the trailer size, the braking system is available as a hydraulic or pneumatic system. The compact diaphragm brake cylinders are completely encapsulated with a protective hood. This means that the brake system is protected from damage by branches or the gripper.

Road approval

Travel on public roads is no problem for Pfanzelt machines, even when loaded. Depending on the equipment, a CoC document is available for 25 km/h.

Technology explained in detail.
www.pfanzelt.com

Steerable draw bar

Pfanzelt forwarding trailers are equipped as standard with a pivoting draw bar with a large steering angle. The maximum excursion from the centre is +/- 750 mm. Two powerful hydraulic cylinders ensure safe steering of the laden forwarding trailer, even when it is turned against the slope. The pivoting torque is thus 23.6 kNm (at an oil pressure of 200 bar).The steerable draw bar can be mechanically locked when driving on roads.

The draw bar is locked by means of a one-man system with two protective flaps.

Hitch

The drawbar is available for both top and bottom hitching. Lubrication and adjustment of the spherical plain bearings used to support the swivel drawbar ensure many years of operational reliability for this highly stressed component. With a hydraulic self-oil supply, the powerful piston pump is, protected from damage, installed either above or below the drawbar in an encapsulated manner.

Transport systems

The high-side pan (on the left in the picture) is suitable for transporting light shrub and tree top material, while the bottom pan (on the right in the picture) is ideal for combined transport of branch and trunk material. If this is permanently mounted on the vehicle, this protects the tyres from damage by the gripper.

Tool box and holder

The chainsaw and fuel canister are stored neatly and tidily on the forwarding trailer. An additional storage bin is ideally suited for lashing belts, tools and other small items.

LED lighting with indicator monitoring

The lighting system using LED lights is integrated in the frame. To protect the lights when working in the forest, these can be folded in.

Crane

Pfanzelt forestry cranes are designed for professional service. The Pfanzelt crane range offers loading cranes in different lifting classes. All Pfanzelt cranes have an impressive lifting force and a high pivoting torque to enable powerful pivoting of the crane – even uphill.

Technical details ► from page 92

Drive systems on Profi forwarding trailers

uniDRIVE (P11, P13, and P15)

Pfanzelt's hydraulic wheel drive uniDRIVE sets new standards in the price-performance ratio and is available for Pfanzelt Profi forwarding trailers (P11, P13 and P15).

- Maximum thrust per wheel up to 2 t
- Hydraulic supply by own oil supply or tractor hydraulics
- No wear during road travel by disconnecting the drive

(Illustration without protective covers)

Technology explained in detail.
www.pfanzelt.com

Technology explained in detail.
www.pfanzelt.com

powerDRIVE

The hydraulic wheel drive powerDRIVE *made by Pfanzelt* offers a new dimension in wheel drive. It is convincing in the forest and on the road.

- Maximum thrust 6.1 t
- Proportional drive for forward and reverse travel
- All brake systems available in combination with the wheel hub drive
- Automatic drive switch-off when braking
- Freewheel for wear-free road travel

The wheel hub drive is equipped with an electric control unit by which the driver can control the drive from the tractor's cab. This allows the operator to switch between simple drive for forward drive and reverse, and hill start assist.

Type	Thrust	Speed
2WD-I	2.4 t	max. 8.8 km/h
2WD-II	3.1 t	max. 8.2 km/h
4WD-I	4.8 t	max. 4.4 km/h
4WD-II	6.1 t	max. 4.1 km/h

Data dependent on hydraulic oil quantity and pressure.

System supplier

In addition to the development and production of agricultural, forestry, municipal and special machinery, Pfanzelt Maschinenbau has also established a name for itself over the years as a supplier of system components in mechanical engineering. This means that the powerDRIVE drive can also be supplied as a unit other vehicles.

Profi forwarding trailers
Technical specification

Forwarding trailers	P11+	P13	P15	P17
Frame structure		Central spar frame		
Central spar dimensions (mm)	200 x 200 x 10	200 x 200 x 10	200 x 200 x 10	300 x 200 x 10
Bogie axle	●	●	●	●
Double-walled in the crane bracket area	–	●	●	●
Frame extension (mechanical) 2,000 mm	●	●	●	●
Fender grille under UVV	●	●	●	●
Front grille area	2.12 m²	2.38 m²	2.87 m²	3.52 m²
Hydraulic pivoting draw bar with 2 cylinders	●	●	●	●
Stanchion pairs	4	4	4	4
Load capacity in the forest	9 t	11 t	13 t	15 t
Permissible gross weight on public roads	11 t	13 t	15 t	17 t
Empty weight with crane	approx. 3.3 t	approx. 3.6 t	approx. 4.2 t	approx. 4.5 t
Lighting	according to StVZO, integrated in frame, retractable			
Road approval	25 km/h (CoC) [1]	25 km/h (CoC) [1]	25 km/h (CoC) [1]	25 km/h (CoC) [1]
Operating station on draw bar	●	●	●	●
Braking system	hydraulic 2-wheel braking system	4-wheel pneumatic brake system		
Brake surface	300 x 90 mm, 8-hole wheel		406 x 120 mm, 10-hole wheel	
Tyres	380/55-17“ 14 PR groove tread	480/45-17“ 14 PR groove tread	500/45-22.5“ 12 PR stud tread	600/50-22.5“ 12 PR stud treads
Rim with valve protection	●	●	-	-
Rim flange reinforcement, pipe socket protection	○	○	●	●
Loading crane	**LK 4267**	**LK 4272**	**LK 5180**	**LK 51100**
Crane length	6,340 mm	7,140 mm	8,000 mm	9,950 mm
Lifting torque net	40.5 kNm	40.5 kNm	51 kNm	51 kNm
Pivoting torque	15.2 kNm	15.2 kNm	21.5 kNm	21.5 kNm
Crane control	8-way mechanical, 2 control toggles, 2 electrical functions (rocker) for gripper and telescope			
Pm 230 - Double clam shell gripper	●	●	●	●
Crane inspection and initial acceptance, incl. inspection logbook	●	●	●	●

● Series ○ Option – Not available
[1] CoC, EG: Road approval possible depending on the equipment

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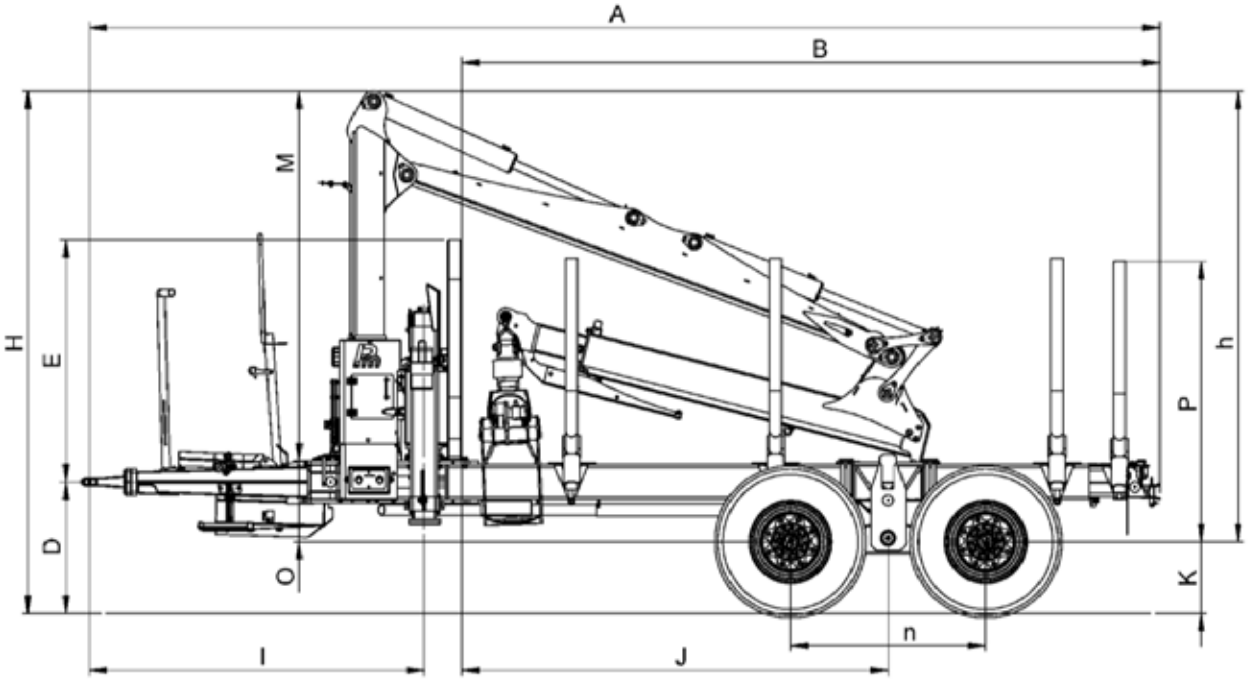
Range of accessories	P11+	P13	P15	P17
Tyres				
480/45-17" groove profile with valve protection	○	●	–	–
520/50-17" stud tread with valve protection	○	○	–	–
520/50-17“ 159B, forestry wheel	–	○	–	–
560/45-22.5“ Trelleborg T404	–	○	○	○
600/50-22.5“ Stud tread, forestry rim	–	–	○	●
Brake systems				
4-wheel overrun brake Rückmatik (gross weight 8 t) with hydraulic auxiliary brake	○	–	–	–
4-wheel hydraulic brake	○	○	○	○
4-wheel pneumatic brake system	○	●	●	●
Combi brake (compressed air and hydraulic 4-wheel brake)	○	○	○	○
Loading crane				
Loading crane 4167 (6,620 mm, 41 kNm)	○	–	–	–
Loading crane 4272 (7,140 mm, 40.5 kNm)	○	●	–	–
Loading crane 4177 (7,550 mm, 41 kNm)	○	○	–	–
Loading crane 5180 (8,000 mm, 51 kNm)	○	○	–	–
Loading crane 5280 (7,800 mm, 50 kNm)	○	○	–	–
Loading crane 6180 (8,000 mm, 61 kNm)	○	○	○	○
Loading crane 6280 (7,800 mm, 61 kNm)	○	○	○	–
Loading crane 4282 (7,960 mm, 42 kNm)	○	○	–	–
Loading crane 5287 (8,730 mm, 52 kNm)	○	○	○	–
Loading crane 5186 (8,800 mm, 51 kNm)	○	○	○	○
Loading crane 5286 (8,600 mm, 50 kNm)	○	○	○	○
Loading crane 6186 (8,800 mm, 61 kNm)	○	○	○	○
Loading crane 6286 (8,600 mm, 62 kNm)	○	○	○	○
Loading crane 51100 (9,950 mm, 51 kNm)	–	–	○	●
Loading crane 61100 (9,950 mm, 61 kNm)	–	–	○	○
Z-crane Z4389 (5,700 mm, 40.5 kNm)	○	○	–	–
Z-crane Z5376 (7,600 mm, 51 kNm)	–	○	○	○
Z-crane Z5388 (8,800 mm, 51 kNm)	–	○	○	○
Separate oil supply with piston pump	○	○	○	○
Crane operation with EHC control with radio control unit	○	○	○	○
Crane cable winch exTEND 2.0 with radio, pulling force 1.5 t	○	○	○	○
Pendulum with internal Concealed hoses	○	○	○	○
Crane operating hours counter	○	○	○	○
Crane floodlights	○	○	○	○
Frame and construction				
Cut material floor pan or ordinary floor pan	○	○	○	○
Draw bar, bottom hitch	○	○	○	●
Ball head hitch	○	○	○	●
Drive systems				
powerDRIVE wheel hub drive	○	○	○	○
uniDRIVE wheel drive	○	○	○	–

Profi forwarding trailers
Dimensions

Profi forwarding trailers		P11+	P13	P15	P17
A [mm] Total length	max.	8,060	8,060	8,060	8,650
	min.	6,140	6,140	6,140	6,730
B [mm] Loading length	max.	5,920	5,920	5,920	6,520
	min.	4,000	4,000	4,000	4,600
C [mm] External width	max.[1]	2,130	2,170	2,700	2,800
	min. [2]	1,930	1,930	2,350	2,450
D [mm] Height of hitching eye	max.[1]	770	820	880	880
	min.[2]	700	700	790	790
D [mm] Height of hitching eye (bottom hitch)	max.[1]	450	500	560	560
	min.[2]	380	380	470	470
E [mm] Grille height above drawbar eye (in case of bottom hitch + 397 mm)		1,390	1,390	1,740	1,740
e [mm] Width protection grille		1,700	1,900	2,100	2,200
F [mm] Bodenfreiheit	max.[1]	460	570	690	690
	min.[2]	390	480	610	600
h [mm] Height from centre of axles	max.[1]	2,585	2,950	2,945	2,945
	min.[2]	2,185	2,185	2,535	2,420
H [mm] Total height	max.[1]	3,013	3,423	3,484	3,482
	min.[2]	2,538	2,538	2,986	2,869
I [mm] Hitching eye to outrigger		1,920	1,920	1,920	1,920
J [mm] Centre of axle to protective grille		2,450	2,450	2,410	2,900
K [mm] Tyre height (static loaded radius)	max.[1]	430	475	538	538
	min.[2]	355	355	450	450
L [mm] External width of stanchions		1,870	2,010	2,210	2,310
M [mm] Height crane column	max.	2,120	2,485	2,485	2,485
	min.	1,720	1,720	2,075	1,960
N [mm] Track gauge		1,550	1,550	1,850	1,950
n [mm] Wheelbase		1,120	1,120	1,210	1,300
O [mm] Centre of axle to flange surface		465	465	460	460
P [mm] Height stanchion to centre of axle		1,610	1,760	1,760	2,090
Q [mm] External width extended outriggers		2,970	2,970	3,200	3,200

[1] largest tyre variant
[2] smallest tyre variant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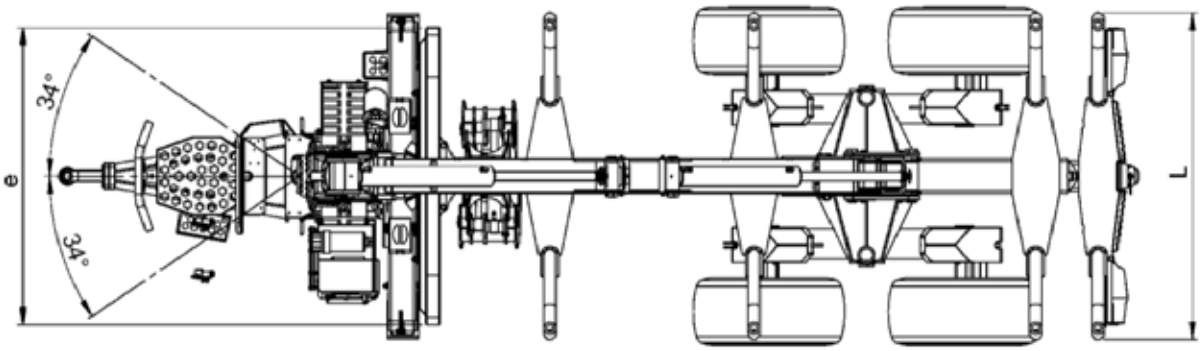
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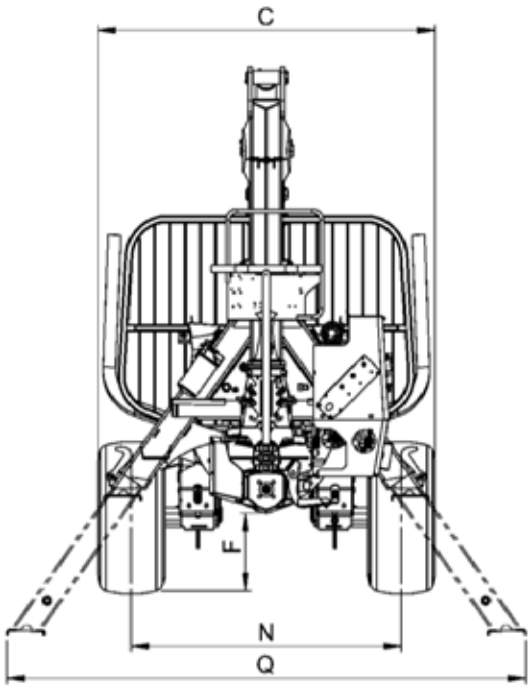
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logLINE forwarding trailers

Powerful professional technology for the forestry contractor and forwarder is offered by the logLINE forwarding trailer series. The three models promise uncompromising performance and powerful economy both on forest trails and in standing timber. Optimised for powerful tractors, the forwarding trailers are equipped with a powerful crane in the 6 or 7 mt class.

Technical specs ► Page 86

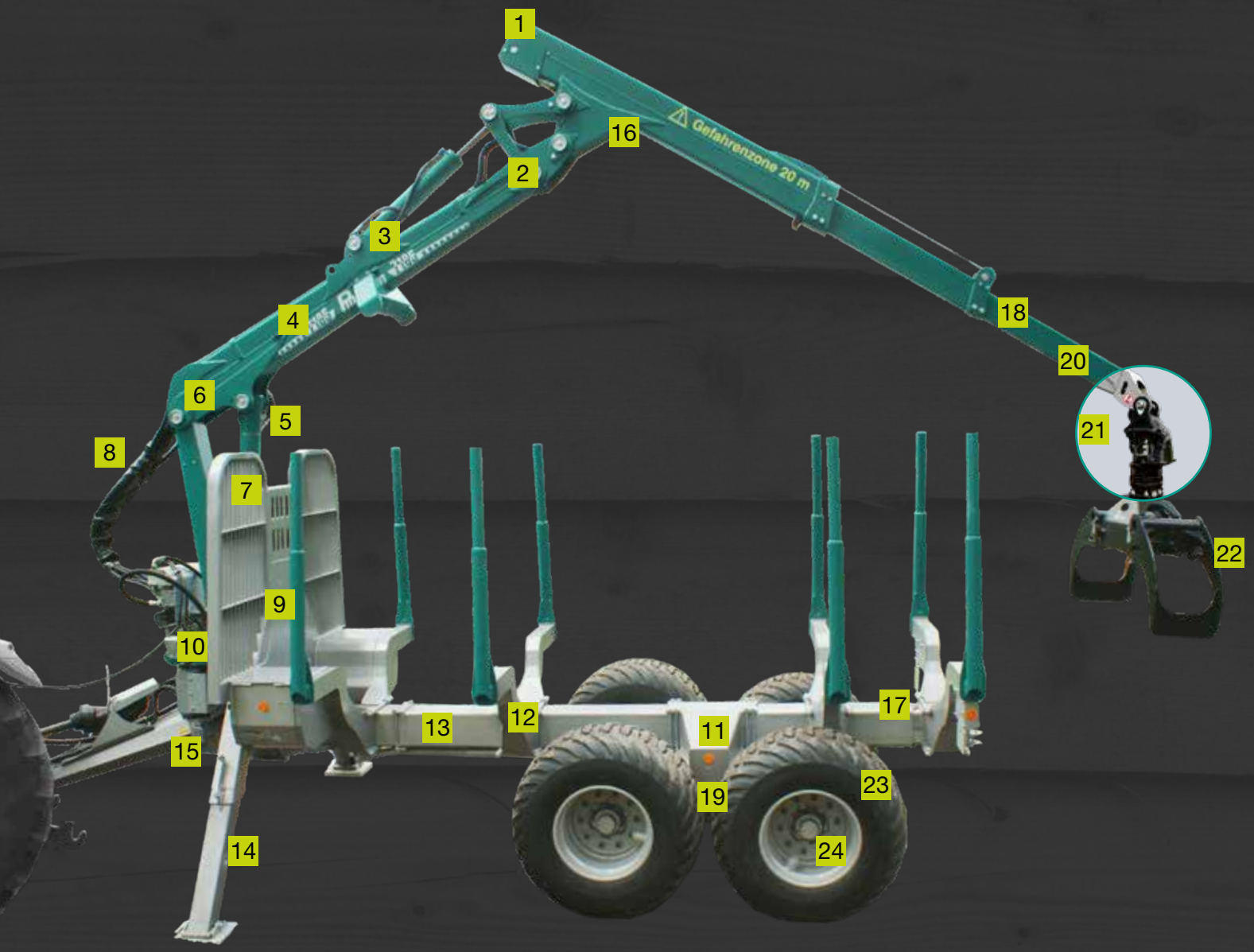
Convincing technical details:

- Payload on private Roads from 13 to 17 t
- Reinforced central tubular frame with extension
- Type approval for public roads with CoC document (depending on equipment)
- Optional with sprung steering drawbar (model L16 and L19)
- Modern and powerful professional cranes with up to 10 m reach and 7 m lifting force
- Reinforced A-column stabilisers for better stability
- Two big storage boxes for lashing straps and tools
- Accessories for flexible use: Wheel hub drive, crane winch etc.

Made in Germany

logLINE forwarding trailers live in action.
youtube.com/pfanzeltTV

logLINE forwarding trailers
Technical details at a glance:



1 **Power link system** – toggle lever control – guarantees manoeuvrable crane operation, greater reach and more lifting power.

2 A system of **protected hoses** on the complete crane guarantees minimum downtime. ▶ Page 97

3 The bearing arrangement of all locating pins in greasable **bronze bushings** ensures long service life and pressure stability.

4 The crane is designed for dynamic continuous load according to **Crane load class B4**. ▶ Page 94

5 Protected from damage during loading, the **cylinder** of the main arm is **twisted**. ▶ Page 94

6 **Rotary transmissions** maximise the functional safety and service life of the hydraulic hoses.

7 Massive and robust **front grilles** for optimum safety during crane operation and when driving on public roads.

8 **The hydraulic hoses are run in a hose shaft** to protect the user.

9 The large **oil storage tank** is installed in a way that it is protected from damage, and impairment of the field of vision is prevented.▶ Page 98

10 Very sturdy and powerful **four-cylinder slewing gear** made of cast metal with a high swivel torque. ▶ Page 95

11 **Lubricating, adjustable plain bearings** guarantee a correct straight run of the axle. ▶ Page 81

12 **Sliding stanchion arrays** ensure safety and easy crane operation with loads of different lengths.

13 The **torsion-resistant central spar** is rated for the highest loads. It ensures perfect off-road handling.

14 Space saving **A-column stabilisers** with concealed cylinders ensure a high degree of stability when parking.

15 **A one-man system** for **mechanically locking** the steerable draw bar when driving on public roads.

16 Optionally available **crane floodlights** turn night to day and reliably illuminate the gripper zone.

17 The **frame extension** allows the loading area to be extended in several steps up to 1,500 mm.

18 Protected from damage, the **telescopic cylinder is installed inside**. ▶ Page 97

19 The **sliding bogie axle** guarantees optimum weight distribution for every load.

20 The electrically actuated **quick-action valve**, supplied as standard, ensures rapid telescopic extension of simple telescopic booms.

21 Equipped as standard with a powerful **flange rotator** and on request also with a **double pendulum brake**.

22 **Various grippers** for every application: Double clamshell bucket, 4-finger grab, earth grab ▶ Page 102

23 The **powerDRIVE system** enables optimum traction in difficult terrain conditions. ▶ Page 84

24 The **4-wheel pneumatic brake system** with accumulator offers safety under way in the forest or on the roads.

logLINE forwarding trailers
Technical details that will convince you

Frame

The strong frame construction, which is built on a torsion-resistant central spar, provides the Pfanzelt forwarding trailer with excellent off-road mobility, even when loaded. The central spar is made of fine grain steels to cope with the highest loads. Besides maximum stability, this design offers maximum ground clearance. This design offers maximum stability and ground clearance. The frame is only welded to the crane support in the front area, meaning that the strength of the central spar is not compromised.It has a double wall in the crane mounting plate area to provide the forwarding trailer with additional strength for heavy crane attachments.

For protection against damage due to driving over trunks and projecting branches, the underside of the trailer is smooth. Cables and hoses are concealed for maximum protection.

Stanchion widening

All stanchions can be extended laterally. The stanchion cage extension is thus 300 mm. This increase the flat bed area by 0.5 m^2.

Frame extension

The flat bed can be extended by up to 1,500 mm for the transport of various timber lengths by means of an integrated, extensible frame extension.

Brake systems

Pfanzelt logLINE forwarding trailers are equipped as standard with a braking system that acts on four wheels. This braking system is pneumatically actuated. The compact diaphragm brake cylinders are completely encapsulated with a protective hood. This means that the brake system is protected from damage by branches or the gripper.

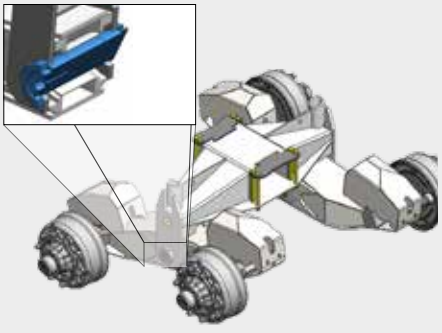
Road approval

Travel on public roads is no problem for Pfanzelt machines, even when loaded. Depending on the equipment, a CoC document is available for 25 km/h.

Bogie axle

The bogie axle on Pfanzelt forwarding trailers provides stability and the greatest possible off-road mobility during travel. The large pendulum travel is 360 mm. This enables that the trailer can safely drive over branches.

The bogie axle is mounted on lubricatable and adjustable spherical articulated bearings. This guarantees true running for many years.



Hitch

The draw bar of the logLINE forwarding trailer is laid out in a bottom hitch version. Lubrication and adjustment of the spherical plain bearings used to support the swivel drawbar ensure many years of operational reliability for this highly stressed component. When the trailer is fitted with an independent oil supply, the powerful piston pump is installed above the drawbar to protect it from damage.

Draw bar suspension/tilt

The L16 and L19 models can be equipped with a tiller suspension/tilting system. The steering draw bar also become a tilting device by the provision of an additional cylinder. This feature enables the flat bed to be placed in a horizontal position and the crane column vertically on slopes.

During travel, this device acts as suspension, thus increasing driving safety and comfort.

Steerable draw bar

logLINE forwarding trailers have a swivelling drawbar with high steering angle. The maximum excursion from the centre is +/- 860 mm. Two powerful hydraulic cylinders that can be operated from the tractor cab, even when the assembly is in motion, facilitate operation even when the laden forwarding trailer is turned against the slope. The pivoting torque is thus 35 kNm (at an oil pressure of 200 bar). The steerable drawbar is mechanically locked when driving on roads.

High-sided floor pan

The pan for cut material makes it easy to transport branch or shrub material. Especially for road transport, numerous safety measures can be omitted.

The four-part pan is easily and quickly disassembled or assembled by crane and secured with tensioning straps.

It is also possible to mount the bottom plates without side walls. The pan adjusts to the stanchion width.

powerDRIVE

The hydraulic wheel drive powerDRIVE *made by Pfanzelt* offers a new dimension in wheel drive. It is convincing in the forest and on the road.

- Maximum thrust 6.1 t
- Proportional drive for forward and reverse travel
- All brake systems available in combination with the wheel hub drive
- Automatic drive switch-off when braking
- Freewheel for wear-free road travel

The wheel hub drive is equipped with an electric control unit by which the driver can control the drive from the tractor's cab. This allows the operator to switch between simple drive for forward drive and reverse, and hill start assist.

Type	Thrust	Speed
2WD-I	2.4 t	max. 8.8 km/h
2WD-II	3.1 t	max. 8.2 km/h
4WD-I	4.8 t	max. 4.4 km/h
4WD-II	6.1 t	max. 4.1 km/h

Data dependent on hydraulic oil quantity and pressure.

LED illumination with indicator monitoring

The lighting system using LED lights is integrated in the frame. To protect the lights when working in the forest, they are protected by a sturdy plexiglass pane.

Stowage space

On both sides of the trailer are located two bis and lockable stowing compartments. Chain saw, fuel canister and lashing strap can be stowed in these compartments.

Crane

Pfanzelt forestry cranes are designed for professional service. The Pfanzelt crane range offers loading cranes in different lifting classes. All Pfanzelt cranes have an impressive lifting force and a high pivoting torque to enable powerful pivoting of the crane – even uphill.

Technical details ► from page 92

logLINE forwarding trailers
Technical specification

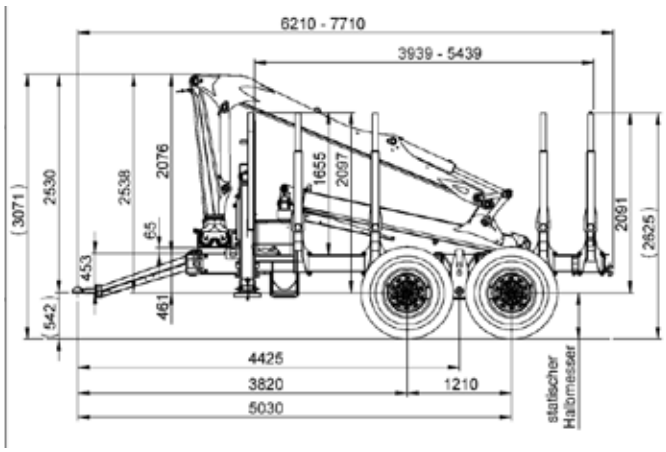
logLINE	L14	L16	L19
Frame structure	Central spar	Central spar	Central spar
Central spar thickness	200 x 200 x 10 mm	250 x 250 x 8 mm	350 x 250 x 8 mm
Frame extension	1,500 mm	1,500 mm	1,500 mm
Stanchion pairs	4 pcs (extensible sideways by 300 mm)		
Hydr. pivoting draw bar with 2 cylinders	● +/- 790 mm; +/- 34°	● +/- 860 mm; +/- 37°	● +/-860 mm; +/- 37°
Pivoting torque	22.5 kNm	35 kNm	35 kNm
Front grille area	2.98 - 3.37 m²	3.25 - 3.75 m²	3.5 - 4.00 m²
Bogie	1,210 mm wheelbase	1,300 mm wheelbase	1,300 mm wheelbase
Bogie pendulum travel	+/-17°; +/-180 mm	+/-17°; +/-180 mm	+/-17°; +/-180 mm
Track width	1,850 mm	1,800 mm	1,900 mm
Load capacity in the forest	13.0 t	15.0 t	17.0 t
Permissible gross weight on public roads	14.0 t	16.0 t	19.0 t
Empty weight with crane	approx. 4.5 t	approx. 5.5 t	approx. 6.0 t
Braking system	4-wheel pneumatic braking system with spring-loading		
Road approval	● 25 km/h (CoC) [1]	● 25 km/h (CoC) [1]	● 25 km/h (CoC) [1]
Tyres	560/45-22.5“ 12 PR Stud tread	600/50-22.5“ 12 PR Stud tread	600/50-22.5“ 12 PR Stud tread
Rim flange reinforcement, pipe joint protection	●	●	●
Loading crane	**LK 6280**	**LK 7185**	**LK 7185**
Crane length	7,750 mm	8,300 mm	8,300 mm
Lifting torque net	61 kNm	70 kNm	70 kNm
Pivoting torque	25 kNm	27 kNm	27 kNm
Independent oil supply with fixed load-sensing pump	●	●	●
Double clam shell gripper	●	●	●
Crane control	EHC control with 2 Danfoss Profi1 joysticks		
Crane inspection and initial acceptance, incl. inspection logbook	●	●	●

Range of accessories (extract)	L14	L16	L19
Tyres	600/50-22.5“ 12 PR	700/40-22.5“	700/40-22.5“
Drawbar tilt/suspension system	–	○	○
Combi brake (compressed air and hydraulic 4-wheel brake)	○	○	○
EHC control via radio control panel	○	○	○
Loading crane 62100 9,800 mm crane length	○	○	○
Loading crane 7185 8,300 mm crane length	○	●	●
Loading crane 71100 10,000 mm crane length	○	○	○
powerDRIVE wheel hub drive	○	○	○

● Series ○ Option – Not available
[1] CoC, EG: Road approval possible depending on the equipment

Start your configuration now.
configurator.pfanzelt.com

L14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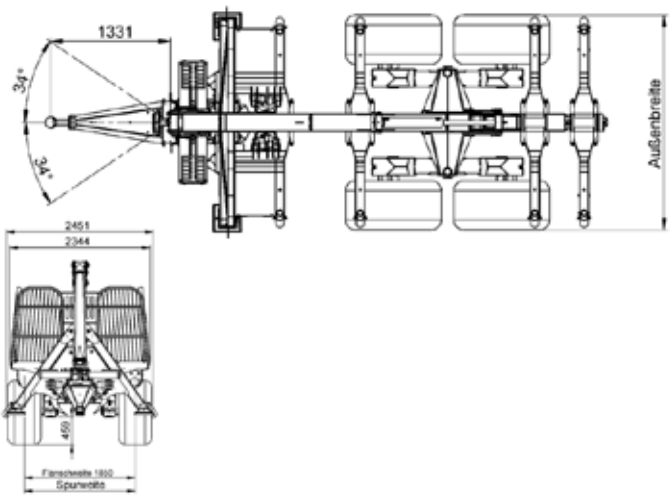
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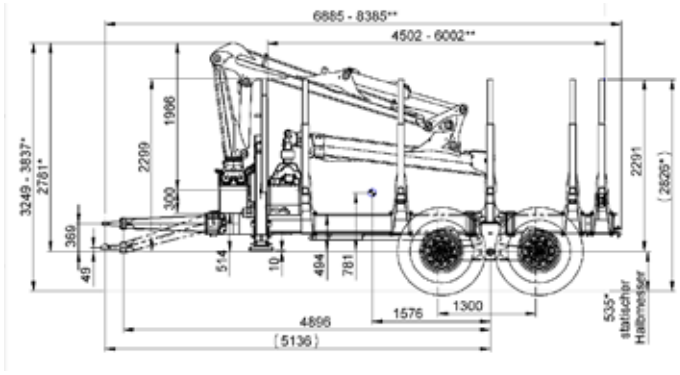
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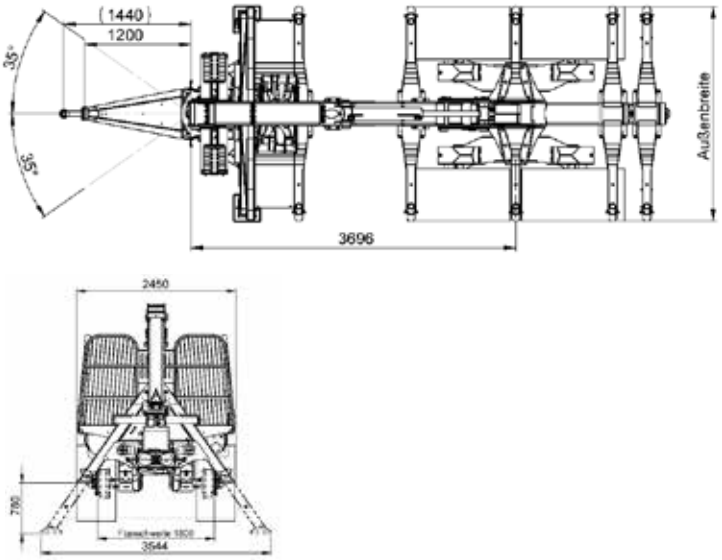
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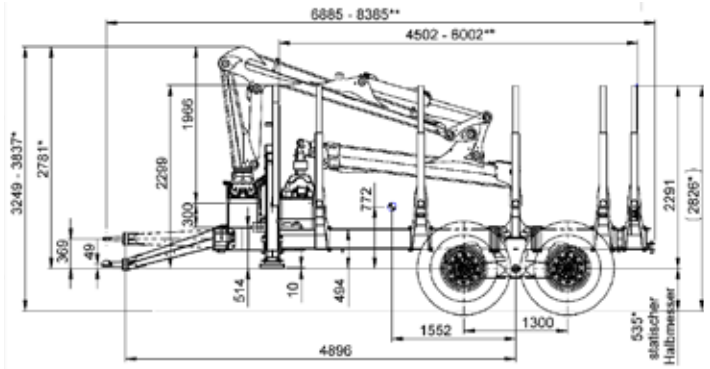
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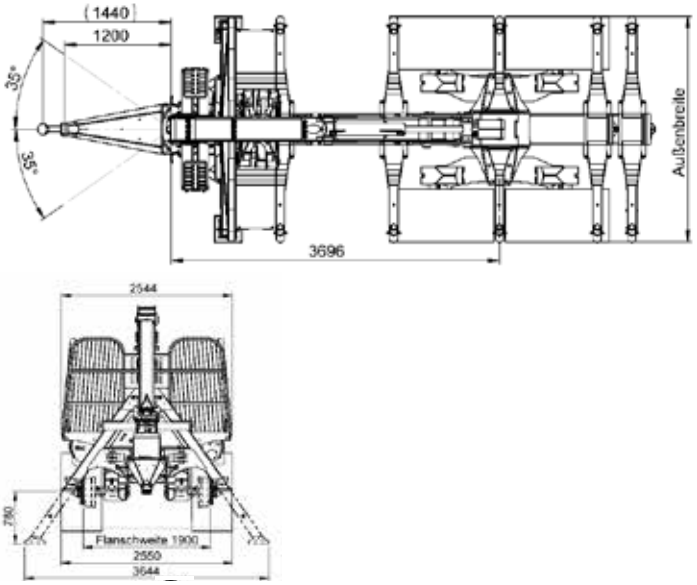
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