



We were able to test the Schaffer with a whole range of attachments.

the Schaffer 5680 T lifts loads of up to 2,400 kg up to a height of 4.25 m. Great numbers for such a compact machine.

If you haven't driven an articulated dumper before, then first of all you have to get used to the fast-response steering. You must be very careful with the articulated steering at such heights, to make sure that the whole vehicle doesn't tip over. The telescopic arm can be extended by 100 cm. High-quality, maintenance-free ferro-form sliding elements are fitted in the lifting arm. The hydraulic parallel guide tool compensates for the position of the attachment and transfers to the loading arm through Z kinematics. What is also remarkable is the excellent view of the working tool when it is in its highest lifting position. The roof window is fitted in such a way that you can easily see enough without having to strain yourself.

We used the machine in lots of different ways in the yard and it was really great fun to work with. From mucking out pens to filling mixing units, loading gravel and excavated earth, handling pallets and stacking bales. The Schaffer 5680 T mastered it all with flying colours.

**All-rounder for agricultural businesses**

We were also very impressed with the lively performance and lifting force. The Deutz engine is really powerful and also offers tremendous strength at the lower end of the speed range. Combined with the high level of power from the hydraulic unit, the concentrated power is transferred straight to the wheels. The operating controls and the multi-function joystick are clearly arranged. Particularly when levelling or cleaning fixed areas we missed having a floating position on the lifting arm. Even though it is not a large cabin, driving comfort with the pneumatic suspension seat is very pleasant. Even in winter, the ventilation system ensures good air conditions without the screens misting up. You have to get used to the direct steering at first, but you will soon get to grips with it. With the really slim design, the teleloader can even get through narrow entrances and with a cabin height of 232 cm it is versatile to use, even inside buildings.

**Technical data**

**Engine:** Deutz turbo diesel, 4 cylinder  
55 kW/75 PS  
**Empty weight:** 4,700 kg  
**Driving speed:** 30 kph  
(Option)  
**Length with standard bucket:** 5,200 mm  
**Width with demo tyres:** 1,710 mm  
**Height with cabin:** 2,320 mm  
**Turning radius with standard tyres:** 1,580 mm  
**Lifting height at the tool pivot point:** 4,250 mm  
**Lifting force:** 2,400 kg

Aberhalden

**Conclusion**

The Schaffer teleloader is a real all-rounder with enormous power. We are delighted with the sturdy design and the powerful, rapid handling. The articulated steering is quite direct, but you will quickly learn how to manoeuvre the vehicle. The great all-round viewpoint is fantastic too, all angles are visible and the view is hardly affected by the hood. With the pre-control function you can use the loading system very sensitively and you can get up a long way with a lifting height of 4.25 m. The finish and components are high-quality and this is reflected in the slightly high price of the test machine. But you get an all-rounder, which will pay for itself in no time. With a wide variety of optional equipment, the basic Schaffer model can be put together to suit your own operations.

Martin Aberhalden



The diesel and oil tanks are fitted to the left and right in the rear part of the chassis.



A small turning radius makes the Schaffer manoeuvrable and universal.

Aberhalden

**COMPACT LOADERS  
2020 - 4250**

**Superiority in compact format**

The compact class is one of the most successful series ever built by Schaffer. They have been specifically developed for use in confined spaces. No compromises were, however, made as regards reliability and ergonomics. In line with all other Schaffer models, the machines of the compact class stand for excellent safety and low operating costs. A wide range of equipment and attachments made the machines extremely versatile.



Schaffer 2034

**At a glance: Technical data**

Working weight 1,400 kg - 3,300 kg  
Output 15 - 37 kW (20 - 50 PS)  
Lifting capacity 1,200 kg - 2,300 kg  
Tipping load 750 kg - 2,000 kg  
Lifting height 2,470 mm - 3,250 mm

**WHEEL LOADERS  
4350 Z - 8600 Z**

**Operating efficiency without compromise**

The dynamics class of Schaffer: Still compact, efficient wheel loader for demanding tasks. The standard Z kinematics with high break out forces fulfills highest performance requirements in farming. Typical of Schaffer: the enormous lifting height. The Model 8600 Z is capable to lift loads up to 3.80 m, hardly another wheel loader of this class raises more highly.



Schaffer 5680 Z

**At a glance: Technical data**

Working weight 3,400 kg - 5,950 kg  
Output 37 - 75 kW (50 - 102 PS)  
Lifting capacity 2,400 kg - 4,200 kg  
Tipping load 2,200 kg - 3,800 kg  
Lifting height 3,260 mm - 3,800 mm

**TELESCOPIC WHEEL LOADERS  
2345 T - 9660 T**

**Convincing powerhouses with extended reach**

When it comes to articulated telescopic loaders, Schaffer machines are the most successful in their class. Precision performance on any terrain, with lifting heights and loads that you will not find in comparable machines from our competitors.



Schaffer 6680 T

**At a glance: Technical data**

Working weight 2,850 kg - 13,000 kg  
Output 33 - 115 kW (45 - 157 PS)  
Lifting capacity 1,900 kg - 5,300 kg  
Tipping load 1,650 kg - 7,900 kg  
Lifting height 3,750 mm - 6,100 mm

SPECIAL EDITION  
**eilbote**

Agricultural machinery | Motorized equipment | Forest and municipal technology

**Schaffer**



**"SOLID ALL-ROUNDER WITH ENORMOUS POWER"**  
**The 5680 T in practical test**

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Practical use

# Solid all-rounder with enormous power

Mucking out pens, loading large, high machines such as for example manure spreaders and dump trucks, stacking bales higher than 4.5 m – We have tested the Schäffer teleloader 5680 T from the latest generation with telescopic loading arm extensively in practical applications

Today it is hard to imagine agricultural businesses without compact farm loaders. The range of machines is equally large. Schäffer, based in Erwitte/Germany has been successfully manufacturing loaders for 60 years. With a large product range with 40 different machines and endless attachment options, they offer a solution for every requirement. We have been able to test the Schäffer teleloader 5680 T from the latest generation extensively in practical applications. With its telescopic loading system it is ideal for a wide range of applications and at the same time is



A hood which can be opened wide makes maintenance work easy.



The articulated joint is new and has larger, maintenance-free pivot bearings.

compact in size and has a powerful engine. Ernest Roth SA has provided us with a new vehicle with a range of attachments.

### Deutz engine and super strong axles

The Schäffer 5680 T is right in the middle of the range of nine models in the teleloader range. With a service weight of 4,500 kg it is an ideal all-rounder, and one which can also handle larger loads. It is powered by a water-cooled 4-cylinder Deutz turbo diesel engine with Common Rail, DOC, intercooling and 2.9 l cubic capacity. The full power of 75 PS / 55 kW permits a torque of 300 Nm. Thanks to the optional visco fan the noise level and fuel consumption is lower, and the engine power is higher as a result. A large cooler suction area ensures that there is sufficient fresh air and the standard cyclone is in just the ideal



The powerful Deutz engine embedded in the chassis.



As additional weight a 200 kg plate is fitted under the rear end. The light unit is fitted in such a way that it is very well-protected.

position for dusty conditions. Due to its compact dimensions the engine is integrated deep into the chassis. However the maintenance points are easily accessible and a diagnostic socket demonstrates the modern technology which has been used. The diesel tank is now integrated into the chassis of the rear part of the vehicle on the righthand side and the hydraulic oil tank on the lefthand side. By doing this you now have additional ballast at the rear and at the same time, the empty space has been utilised. The articulated joint which links the front and rear part of the vehicle is new and has larger, maintenance-free pivot bearings. The entire machine is supported by original Schäffer axles, at the back with a floating axle which ensures additional stability, with self-locking differential and a static load capacity of a total of 9,000 daN! Five planet gears produce major thrust power. As an option, a final speed of 30 kph and a towing capacity (with overrun brakes) of 6,000 kg is possible. A maintenance-free multi-disc brake in the front axle ensures good braking performance. The parking brake with multiple discs also runs in an oil bath. The tyres with 425/55R17AS have a good width and offers good grip even in off-road situations. As standard, both rear tyres are filled with a glycol mixture for ballast purposes. With a vehicle width of 1,710 mm you can even get through narrow spaces and with a turning radius of 1,850 mm it is really manoeuvrable. In the rear end, a heavy steel plate of 225 kg is screwed on from underneath as a case weight. This plate is available as an option. If needed a second one can be added, when push comes to shove.



Original Schäffer axles with 9,000 daN payload and a good set of tyres are ideal for powerful propulsion.



Using the telescopic loading arm you can even load large machines without a problem.



The driving position is very comfortable and gives you an excellent all-round view.

### Great, compact cabin for long working days

Driving comfort is definitely an important aspect and the cabin has a significant impact on this comfort. If you sit in the Schäffer 5680 T, you will be surprised at how comfortable it is to sit in the articulated compact teleloader with a height of 232 cm and really low cabin. The comfort pneumatic suspension seat is very comfortable, and it can also absorb major impacts easily. The steering wheel is remarkably small, and



All important operating controls are arranged on the right side of the cabin.

unfortunately can only be adjusted height-wise, but if you adjust the seat, then it works fine. Both doors can be locked open or can be positioned easily with a bracket which is hooked into the door lock. Climbing in from the righthand side is quite tight due to the control lever, but is adequate. If you have a good look around the cabin you will notice lots of good, practical details. For example the air nozzles are positioned in such a way that the air from the three-stage ventilation system is distributed well, the screens don't mist up and your feet will be

kept nice and warm in the coldest times of the year. The rear windscreen can be lifted out and a folding can holder is even mounted on the lefthand side. The radio is there for entertainment with well-positioned boxes, CD and USB socket. A mains storage compartment offers a small storage shelf, but after all you have got into the vehicle to work and not to live in it.

The operating controls are next to the hand brake and battery disconnection switch which are to the left of the seat, with everything arranged within easy reach on the righthand side. The switches for the screen wipers, working headlights and the electrical locking key for the third function are on the side B pillar. All the indicator lamps are clearly visible on the panel at the front on the steering wheel. You can read off all necessary values such as fuel level, temperature and rev counter. In the centre there is a display which shows the direction of travel, speed level, etc. In the case of a fault, engine errors will also be displayed here and can be read off as an error code without a diagnostics device. The frequently-used



The height-adjustable steering wheel can be easily adjusted.

toggle switches for tool release, lights, pressure relief for tools and the vibration absorbers for use on roads are fitted below the steering wheel. Multi-function lever which is definitely the most-used component is fitted within easy reach on the righthand side console. A small, height-adjustable armrest makes working with the 5680 T really comfortable. The rocker switch for selecting the speed level is lower down on the lever. The telescopic arm, direction of travel and the third function are controlled on the upper side.



You can call up information about the vehicle using the info centre display in the middle.



The roof window gives a fantastic view of the attachments.

### Well modulated hydraulic system

In terms of hydraulics, Schäffer has nothing to hide either. The hydrostatic-automotive HTF autodrive is robust and powerful. This means it adjusts the driving speed using a treadle control and switches both speed levels automatically depending on the load. Normally you would normally be driving at the second speed level. But you can switch to the first speed level when working under load so that you can carry out delicate manoeuvres really slowly. The reinforced 130 l/min hydraulic pump with 450 bar working pressure and the hydraulic engine are well suited. The control device for the working hydraulic system is pre-controlled hydraulically. The input volume is 80 l/min at 220 bar. You will soon notice this as you will



Solid telescopic arm with 100 cm and Z kinematics. The hydraulic parallel guide tool adapts the angle of the attachment to the loading system using Z kinematics.

be able to operate the Schäffer loader very delicately yet still quickly. The functions are all arranged in a logical manner, but we missed the floating position. Both the screw hydraulic couplings for the attachments should have a quick coupler, but otherwise the loading system is top notch. The robust, solid Schäffer device holder is practical, and is compatible with the Kramer Allrad. This means that you can sometimes borrow or continue to use a device.

### Large range

The lifting system with telescopic loading arm is fantastic. With this system it is even possible to load large, high machines such as, for example, manure spreaders and dump trucks or stack bales over 4.5 m. At the tool pivot point



Screw connections for the hoses of the attachment can always be coupled, but it is cumbersome. Pressure relief by means of a switch in the cabin makes it easier to connect the hoses.



A load indicator indicates to the driver that there is no load on the rear axle is but does not actively intervene.



The rapid coupler holder is extremely robust and the hydraulic interlock is top notch. Practical detail: Schäffer devices have two upper coupling points. This enables a larger tipping angle whenever it is required. Another detail: The Schäffer holder is compatible with the Kramer Allrad holder.