

AVANT[®]



400-700, e Series



Articulated telescopic loader

Design

The unique articulated chassis design makes Avant an unrivalled machine in its class. It is very stable, easy to drive and turns smoothly, without damaging sensitive surfaces like lawns, paved areas etc. This makes Avant a real multi purpose machine for almost any job. And with additional features to improve operator comfort, work efficiency and work quality:

- **Telescopic loader boom** gives more lift height and outreach – both equally important
- **Modern off center boom construction** guarantees excellent, unrestricted visibility – no need to reach out from the driver's seat in order to see the attachment.
- **Boom self levelling** makes load handling quicker and more precise
- Increased safety thanks to the **load sensor system**
- **Articulated design** allows precise sideways moving of the load in tight situations
- **Avant quick attach system** allows easy, safe and fast attachment coupling.

Top class features

Compact, strong and versatile

- High lift capacity and pulling force
- Compact enough to work in tight situations
- Wide model range to suit many customer segments
- More than 200 attachments available, for almost any job

Advanced technology

- Stepless hydrostatic transmission
- Hydraulically pilot operated variable displacement drive pump – easy and smooth to drive, no wearparts in the drive system
- Easy servicing

Wide range of options

- Avant is well equipped as standard, and with the numerous optional additions like three different cabs, boom floating, extra hydraulic outlets and many more the Avant can be tailored to meet any requirements



AVANT driver is always in the front seat



Best ergonomics

Best operator position

- Positioned in the front part of the machine, the operator's seat is as close to the attachment as it can safely be, providing an unrestricted view of the attachment working.
- This guarantees excellent work efficiency, precision and safety.

Off center boom construction

- Allows excellent forward vision and a clear view of the attachment
- More precision, work efficiency and safety
- The machine reaches out – not the driver

Top class ergonomics

- Ample space even for larger operators
- Easily operated, well-positioned controls
- Safe and easy access to driver's seat
- Certified ROPS/FOPS safety frame with tinted plexiglass canopy is a standard feature



Multi connector for hydraulic attachments

- Connects all hoses effortlessly with a single hand movement.
- Releases pressure automatically and is always easy and light to connect.
- No oil drops during connecting or detaching.
- It is not possible to connect the multi connector in a wrong way.



Safety

Rigid articulation joint

The rigid articulation joint prevents sideways pivot and is a very important feature in a machine of this size. Thanks to this rigid design the risk of tipping the machine over is greatly reduced, because the rear chassis is counterbalancing the front chassis at all times, preventing the front chassis from movement which could otherwise destabilise the machine.

Existing Avant operators pay testament to the stability of the machine, achieved because of this feature.

Safety frame

Fitted as standard to the Avant loaders the ROPS safety frame with FOPS and tinted plexiglass canopy is a four post structure that provides all round protection for the operator, and the FOPS canopy protects the operator against falling objects. The ROPS frame and the FOPS canopy are tested and certified and comply with the ISO 3471 (ROPS) and ISO 3449 (FOPS) standards.

Telescopic boom

The telescopic loader boom provides all the advantages of out reach when fully extended and maximum stability as, when retracted, the load is close to the machine during transportation.

Boom self levelling

Boom self levelling makes load handling quicker and more precise. The self levelling system keeps the load automatically level in all positions of the loader boom. Standard in 500-700 series machines.

Load sensor

A load sensor is fitted as standard to the Avant 600-700 series and provides an audible warning if the rear wheels are about to lift off the ground. This pre-emptive warning gives the operator more time to react in the event of the machine becoming unstable.



AVANT[®] 400 series

A low operating weight, simple and economical

- Perfect for homeowners, horse stables, farming and similar lighter professional use
- Low operating weight allows working on surfaces with limited load capacity and easy transportation on a trailer
- Versatile machine for all four seasons



Width

Wheel size	Profile	Machine width
5 x 10	tractor	990 mm
23 x 8.50 - 12	tractor or grass	1050 mm
23 x 10.50 - 12	tractor or grass	1090 mm

Model	AVANT 423
Length	2195 mm
Width	see table
Height	1980 mm
Weight	1030 - 1080 kg
Standard wheels	23x8.50-12"grass/TR
Transmission, drive	hydrostatic
Pulling force	700 kp
Drive speed max.	12 km/h
Auxiliary hydraulics oil flow / pressure	34 l/min 185 bar
Turning radius inside/outside*	880 / 1970 mm
Max. lifting height (with telescopic boom)	2750 mm
Max. lifting capacity (hydr.)	690 kg
Tipping load**	550 kg
Engine make and type	Kubota D902
Engine output (ECE R120)	16 kW (22 hp)
Fuel	Diesel

*) Turning radius with largest wheels 23x10.5-12

***) Load is measured at 400 mm from the attachment coupling plate, including attachment weight (70 kg).