

AVANT[®] 500



Excellent choice with robust and simple hydraulics

- ✓ Simple, effective hydraulics means good power and low operating costs
- ✓ Easy to transport with car trailer
- ✓ Optidrive™ drive circuit gives more power for the drive and hydraulic attachments

500 series is in the middle of Avant loader range in terms of size and performance. 500 series loaders are well suited for a wide range of customer segments thanks to their power and straight forward hydraulics which is needed in many jobs. The compact dimensions and good maneuverability allow working in a large variety of environments. 500 series can also lift amazingly heavy loads compared to the size of the machine.

500 series is a reliable partner for all-round use. Like all Avants, it can be equipped following customer needs, including all cab options (L, LX, DLX). The comprehensive Avant attachment range guarantees efficient working all year round.

All articulated Avant loaders are equipped with a hydrostatic drive system. There is a hydraulic drive motor on each wheel. The drive circuit is equipped with valves with which traction can be controlled in different situations. In order to avoid tyre marks on soft and sensitive surfaces when turning, the system allows the wheels on the left and right sides of the loader to roll at different speeds. This also reduces tyre wear on hard surfaces.

Avant attachments have been designed to work as an equal partner on Avant loaders. The best machine-attachment combination and work efficiency can only be achieved when a good machine is fitted with attachments that are specifically designed for the machine. The dimensions, auxiliary hydraulics output and other features of Avant are in perfect balance with the attachments.



**2450 mm -
2570 mm**



**1370 kg -
1460 kg**



2790 mm



**800 kg -
950 kg**



**16-19 kW /
22-26 hp
diesel**



0 - 19 km/h

specifications



height with cab

| Wheel size | 26x12.00-12 320/60-12* | 27x8.50-15 |
|------------|---------------------------|------------|
| Cab L | 2035 mm | 2048 mm |
| Cab LX | 2025 mm | 2038 mm |
| Cab DLX | 2045 mm | 2058 mm |

*) With 23" wheels machine is 15 mm lower

machine width

| Wheel size | Profile | Width |
|---------------------|-------------|---------|
| 27 x 8.50 - 15* | TR | 1030 mm |
| 23 x 8.50 - 12 | TR or grass | 1080 mm |
| 23 x 10.50 - 12 | TR or grass | 1130 mm |
| 26 x 12.00 - 12* | TR or grass | 1290 mm |
| 320/60-12 HD* | TR | 1290 mm |
| 26,5 x 14.00 - 12** | grass | 1420 mm |

*) Bigger wheels will increase total machine height by 20-35 mm

**) Requires 40 mm spacers on the wheel hubs

| Model | AVANT 523 | AVANT 528 | AVANT 530 |
|--|------------------------------|------------------------------|------------------------------|
| Length | 2450 mm | 2570 mm | 2570 mm |
| Width (with standard wheels) | 1130 mm | 1130 mm | 1130 mm |
| Height (with standard wheels) | 1985 mm | 1985 mm | 1985 mm |
| Weight | 1200 +170 kg | 1250 + 170 kg | 1290 + 170 kg |
| Standard wheels | 23x10.50-12"grass/TR | 23x10.50-12"grass/TR | 23x10.50-12"grass/TR |
| Transmission, drive | hydrostatic Avant Optidrive™ | hydrostatic Avant Optidrive™ | hydrostatic Avant Optidrive™ |
| Pulling force | 900 kp | 950 kp | 1050 kp |
| Drive speed | 0 - 12 km/h | 0 - 12 km/h | 0 - 19 km/h |
| Auxiliary hydraulics oil flow / pressure | 34 l/min 185 bar | 36 l/min 200 bar | 36 l/min 200 bar |
| Hydraulic oil cooler | Standard | Standard | Standard |
| Turning radius inside/outside | 995 / 2050 mm | 995 / 2050 mm | 995 / 2050 mm |
| Max. lifting height | 2790 mm | 2790 mm | 2790 mm |
| Tipping load | 800 kg | 950 kg | 950 kg |
| Max. breakout force / 50 cm | 1100 kg | 1250 kg | 1250 kg |
| Engine make and type | Kubota D902 Stage V | Kubota D1105 Stage V | Kubota D1105 Stage V |
| Engine output (ECE R120) | 16 kW (22 hp) | 19 kW (26 hp) | 19 kW (26 hp) |
| Maximum torque | 56 Nm @ 2600 rpm | 72 Nm @ 2200 rpm | 72 Nm @ 2200 rpm |
| Fuel | Diesel | Diesel | Diesel |