

AVANT[®]



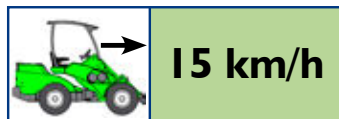
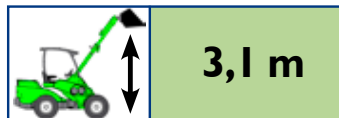
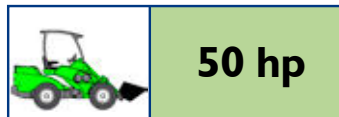
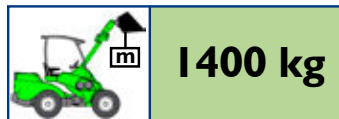
700 Series

The powerful AVANT 700 series

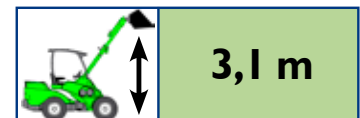
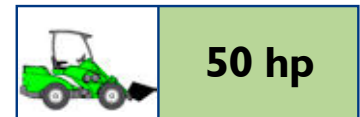
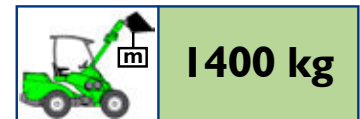
In AVANT 700 series we have developed further the features the customers value:

- Work efficiency and maneuverability
- Versatility
- Ergonomics
- Safety

AVANT 745



AVANT 750



Articulated telescopic loader

Design

The unique articulated chassis design makes AVANT an unrivalled machine in its class, 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 hitch system** allows easy, safe and fast attachment coupling.



Top class features

More power

- Easily handles brick packs, dumpy bags, pallets, and bales
- Compact enough to work in tight situations
- Telescopic loader boom provides more lift height and outreach
- Boom self levelling makes load handling faster and more precise

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

- Telescopic loader boom gives more lift height and outreach
- Boom self levelling makes load handling quicker and more precise
- With a choice of three cabs, rear hydraulics, boom floating and many other optional additions, an 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 safety frame with tinted plexiglass canopy is a standard feature



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 700 series, the ROPS safety frame with tinted plexiglass canopy is a four post structure that provides all round protection for the operator. The ROPS frame and the optional 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.

Load sensor

A load sensor is fitted as standard to the AVANT 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.



Multi connector



Multi connector system as standard equipment

The multi connector system is standard equipment on AVANT 700 series machines and its attachments. It facilitates connecting and disconnecting of attachment hoses considerably, compared with conventional type quick couplings.

Multi connector benefits

- 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.



Right model for every job

Both models in the AVANT 700 series benefit from improved load handling capabilities with a lift capacity of up to 1,400kg.

They can tackle larger jobs than smaller AVANT models, without losing one familiar AVANT feature: smoothness of operation.

AVANT 745

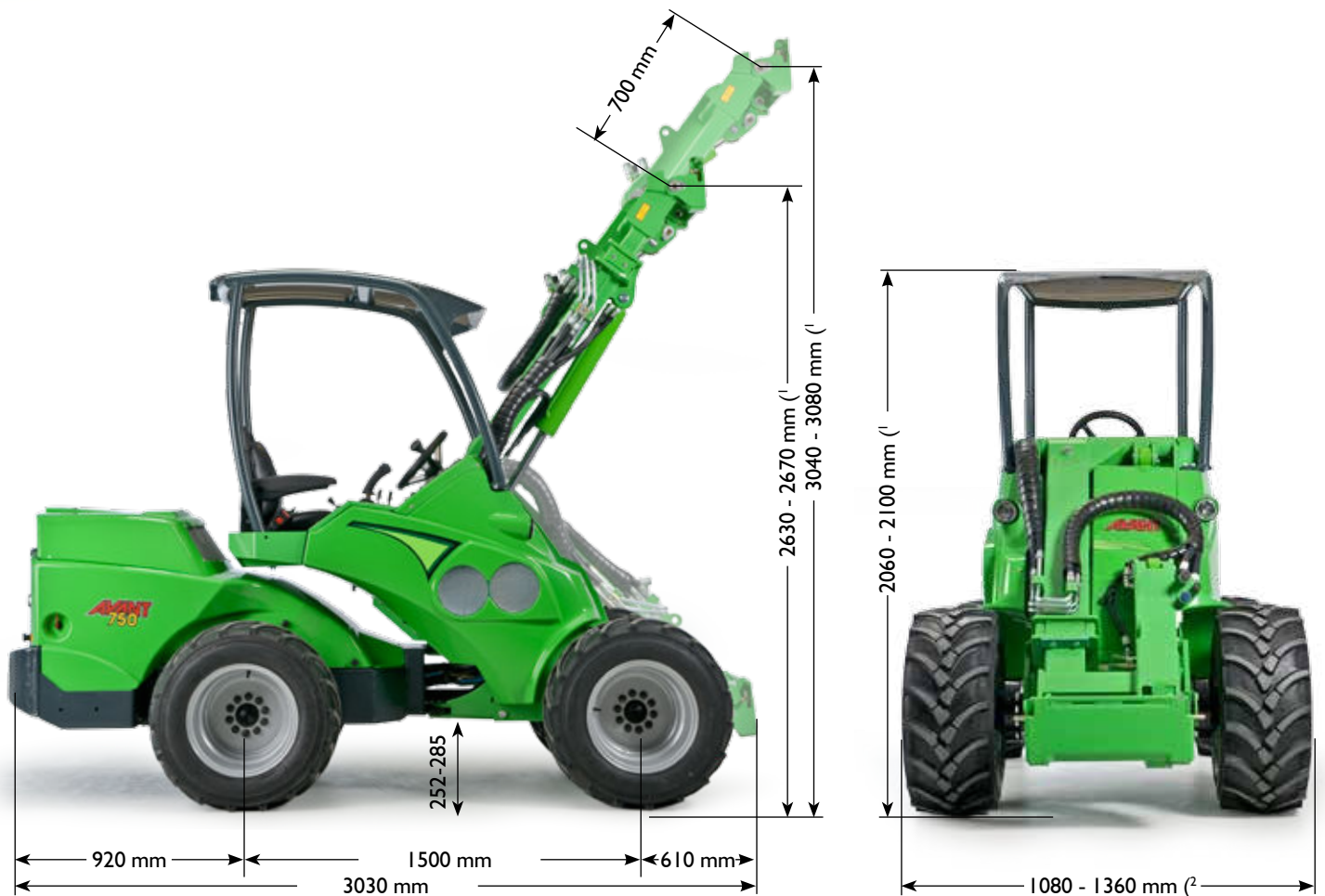
- For jobs that require good lift capacity
- For jobs that require high auxiliary hydraulics oil flow
- For jobs where 15 km/h drive speed is sufficient

AVANT 750

- For jobs that require good lift capacity
- For jobs that require high auxiliary hydraulics oil flow
- For jobs where 25 km/h drive speed is needed
- For jobs which benefit from the high pulling force of the machine



Technical data, options



1) Depending on tyre diameter
2) see width table

Pulling force

| Model | Tyre size/ Hydraulic motor | Drive speed | Pulling force |
|-----------|-------------------------------|-------------|---------------|
| AVANT 745 | OMT 400 | 15 km/h | 1100 kp |
| | OMT 500 | 12 km/h | 1380 kp |
| AVANT 750 | 320/60-12 HD | 22 km/h | 1880 kp |
| | 320/55-15 HD | 25 km/h | 1600 kp |

Width

| Tyre size | 745/750 |
|-----------------|---------|
| 27 x 8.50 - 15 | 1080 mm |
| 26 x 12.00 - 12 | 1350 mm |
| 320/60-12 HD | 1350 mm |
| 320/55-15 HD | 1360 mm |

| Model | AVANT 745 | AVANT 750 |
|--|--|--------------------|
| Length | 3030 mm | 3030 mm |
| Width | see table | see table |
| Height (with standard wheels) | 2060 mm | 2100 mm |
| Weight | 1650 kg | 1700 kg |
| Standard wheels | 320/60-12HD TR or 26x12.00-12 grass | 320-55/15 TR/grass |
| Transmission, drive | hydrostatic | hydrostatic |
| Auxiliary hydraulics | 70 l/min | 70 l/min |
| Turning radius inside/outside | 1240 / 2780 mm | 1240 / 2780 mm |
| Max. lifting height (with telescopic boom) | 3080 mm | 3080 mm |
| Max. lifting capacity (hydr.) | 2100 kg | 2100 kg |
| Max. tipping load* | 1400 kg | 1400 kg |
| Max. breakout force / 50 cm | 1400 kg | 1400 kg |
| Engine make and type | Kubota V2403 | Kubota V2403 |
| Engine output (ISO Gross) | 36 kW (49 hp) | 36 kW (49 hp) |
| Fuel | diesel | diesel |

*with counterweights