

AVANT[®]



300 Series

AVANT 300 – The compact and strong skid steer loader



AVANT direct drive

- Direct hydraulic drive with four hydraulic drive motors, one on each wheel
- Superior pulling force
- AVANT turns and pulls with ease in all conditions
- The entire transmission is service free - no drive chains to tighten

Best lift capacity in their class

- Excellent stability thanks to the longer wheelbase
- Ideal weight distribution enables handling of heavier loads
- Moving of e.g. round bales is easy with Avant

Easily operated, well-positioned controls

Advanced operator comfort is a standard feature on AVANT:

- Well thought-out ergonomics
- Smooth drive control
- Auxiliary hydraulics can be operated by a pedal in the footwell or by a lever on the dashboard
- Two drive speed areas: selection of low and high speed with a pedal
- Excellent, unrestricted field of vision from the driver's seat

Real double speed

- Drive speed area can be selected during driving, without stopping the machine
- Control with a pedal in the footwell
- Twin pump in the drive system: versatility for driving and attachment operation

Top class components

Honda is a leading brand of petrol engines, and Kubota diesel engines are renowned for their quality all over the world. That is why they are on AVANTs. Hydraulic system is designed for heavy duty professional use - like on all AVANT models.



Versatile

AVANT ist the real multi purpose machine on farms, construction sites etc. On farm, for example, you can do many jobs in the cowhouse. In addition to fodder distribution you can handle the bedding, clean the feeding table, empty the manure gutter and stalls with beddings.

Outdoors, AVANT is an excellent tool. It can tackle a multitude of tasks – be it various building and maintenance jobs on the farm or working in tight situations like doing the demolition inside buildings where bigger machines cannot go. On many farms, AVANT collects more working hours than a tractor!

Economical

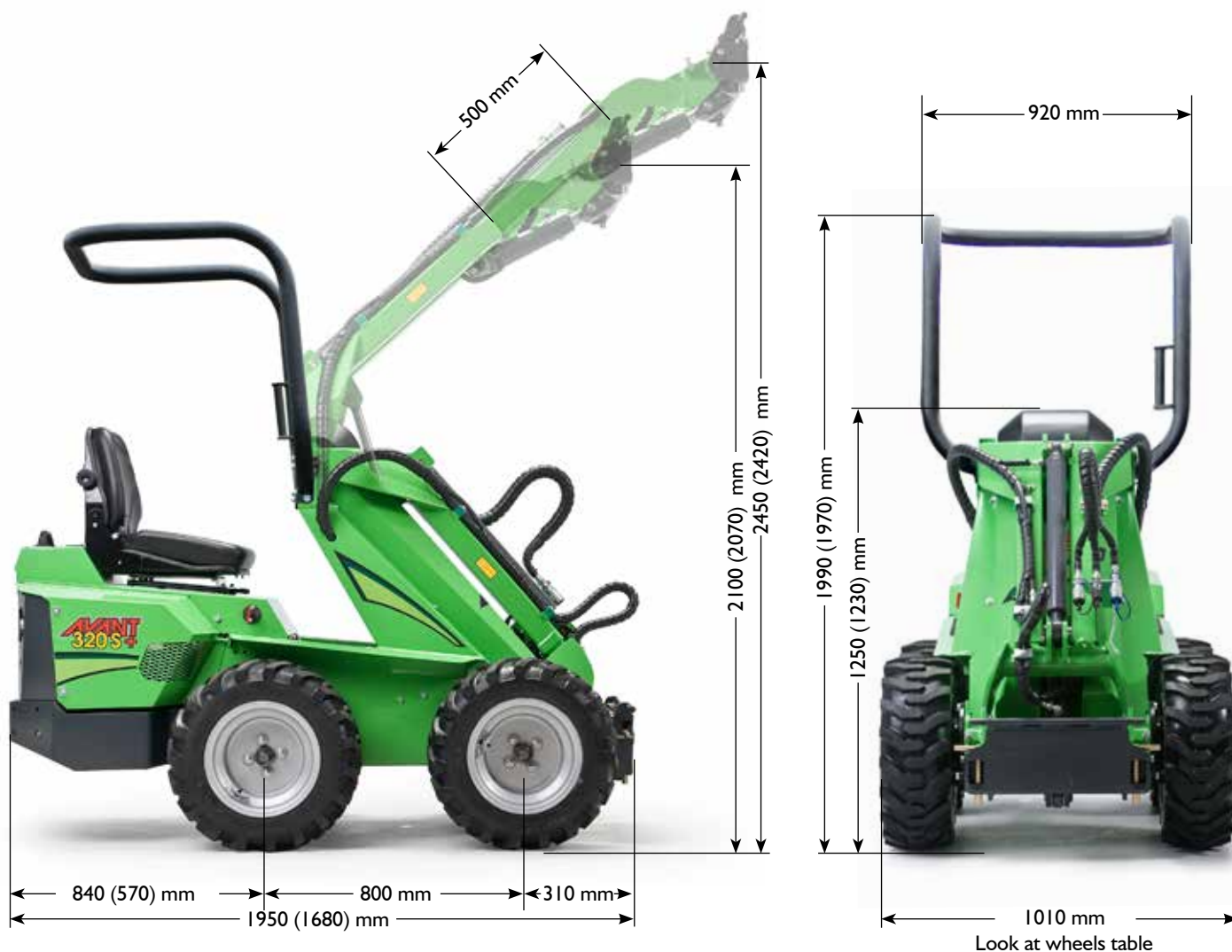
AVANT, as an investment, is very cost effective. They hold their value very well. When trading in your used AVANT you will find this out. The annual operating and capital costs are also very low.

Efficient

AVANT is a very fast and efficient fodder distributing machine. This efficiency is based on continuous movement: there is no need to do time consuming loading on a trailer or a wagon - instead you can drive all the time and transport the fodder in the bucket, silage fork or any other attachment. With AVANT you can also distribute all types of fodder all year round: round bales, silo fodder and hay fodder.



Technical data



Model	AVANT 313S	AVANT 320S	AVANT 320S+
Length	1680 mm	1950 mm	1950 mm
Width	see table	see table	see table
Height	1200 mm	1250 mm	1250 mm
Weight	530 kg	720 kg	720 kg
Std. wheels	5x10 TR	23 x 8.50 - 12 TR	23 x 8.50 - 12 TR
Transmission, drive	hydraulic	hydraulic	hydraulic
Pulling force	650 kg	770 kg	1000 kg
Drive speed	0 - 4,5 / 0 - 9 km/h	0 - 4,5 / 0 - 9 km/h	0 - 4,5 / 0 - 9 km/h
Auxiliary hydraulics	28 l/min or 2x22,5 l/min 175 bar	2x22,5 l/min 200 bar	2x22,5 l/min 220 bar
Lift capacity (hydraulic)	750 kg	850 kg	880 kg
Tipping load	500 kg	700 kg	700 kg
Engine make and type	Honda GX390	Kubota D722	Kubota D722
Engine output	10 kW (13 hp)	14 kW (20 hp)	14 kW (20 hp)
Fuel	unleaded petrol	diesel	diesel

Wheels

Wheel size	Machine width	
	*)	Standard
4.00 - 12" agraire	790 mm	-
5.00 - 10" agraire	850 mm	990 mm
23 x 8.50 - 12 agraire	-	1070 mm
23 x 8.50 - 12 gazon	-	1070 mm
23 x 10.50 - 12 agraire	-	1100 mm
23 x 10.50 - 12 gazon	-	1100 mm

*) with narrow wheel hubs

Comprehensive standard features

ROPS frame

All AVANT 300 series models are equipped with a ROPS safety frame, which complies with the ISO 3471 / SAE J1040 standard. Total machine height with ROPS frame is 1990 mm.

Multi connector

Connects all hydraulic hoses of the attachment effortlessly with a single hand movement.

Suspension seat

The adjustable seat gives more operator comfort. Equipped with arm rests and seat belt.

Double speed

Speeds up the work considerably. Double speed is operated with a pedal in the footwell (313S, 320S) or with a switch on the dashboard (320S+).

Hour meter

Keeps you informed about working hours and service intervals.

Options

Telescopic boom

All AVANT models can be fitted with a hydraulic telescopic boom. It gives 500 mm more outreach and 350 mm more lifting height, which improves loading and reaching capabilities considerably, making the loader more efficient and useful than you think.

Hydraulic oil cooler

Prevents hydraulic oil overheating when working continuously for a longer period of time in hot conditions.

Extra counterweights

Keeps the loader more stable when there is a heavy load in the bucket. Mounts on the rear bumper.

Trailer coupling

Trailer coupling is standard 50 mm ball coupling. It mounts on a bracket which is bolted on the rear bumper. It is also possible to have the trailer coupling mounted on the extra counterweight.

FOPS canopy

Installed on the ROPS, this safety canopy exceeds the ISO 3449 Level I / SAE J1043 FOPS criteria. Total machine height with FOPS is 2050 mm.

Boom floating

Allows free movement of attachment (follows the contours of ground) when using e.g. the dozer blade.

Flow divider valve

With this valve one can steplessly divide the hydraulic oil flow between drive and auxiliary hydraulics. A very useful option when most of the flow is required for the attachment and just a little for drive (e.g. when operating a trencher). For 320S+ model only.

Block heater (for diesel engines)

Facilite le démarrage du moteur quand la température ambiante est en dessous de zéro.

Snow chains

Better traction when driving on ice and snow.



General buckets



Width	Capacity	Weight
900 mm	190 l	62 kg
1050 mm	240 l	73 kg
1150 mm	260 l	78 kg
1300 mm	300 l	86 kg

AVANT general buckets are designed to speed up your work and make it more efficient: the operator can see the front edge of the bucket from the driver's seat.

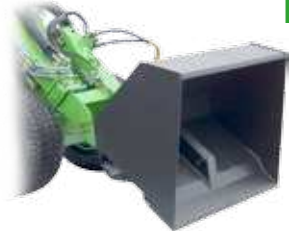
Light material buckets



Width	Capacity	Weight
1150 mm	490 l	125 kg
1300 mm	560 l	135 kg
1450 mm	710 l	155 kg

AVANT manufactures buckets for light materials handling (saw dust, manure, wood chips, mulch), snow removal etc.

High tip buckets



Width	Capacity	Weight
1050 mm	150 l	120 kg
1280 mm	350 l	160 kg

With high tip bucket you can reach longer and higher than with many bigger machines. The bucket tips over its front edge, which with the telescopic boom means a dump height of 3,15 m!

4 in 1 buckets



Width	Capacity	Weight
1100 mm	155 l	152 kg
1280 mm	170 l	175 kg

Efficient multi purpose bucket - can be used as a normal bucket as well as a dozer blade, leveler, stone picker etc. The front part of the bucket opens with 2 hydraulic cylinders located on the back side of the bucket, which enables dozing, levelling and picking of stones, tree stumps etc.

Pallet fork



Length	850 mm	1200 mm
Weight	90 kg	136 kg

*Lors de l'utilisation de fourches à palettes, le chargeur doit être équipé d'un toit de sécurité FOPS.

AVANT pallet fork is the right attachment for lifting and handling of different types of light materials on pallets. Fork width is easily adjustable with quick-release locking mechanism.

Silage fork



Width	Weight
800 mm	85 kg
900 mm	100 kg
1050 mm	120 kg

A robust silage fork equipped with a powerful hydraulic cylinder. The strong blade type pins of the grapple penetrate very well into all types of feed. The fork has replaceable tines, fastened with a bolt, made of reinforced steel.

Dozer blade for silage fork



Width, main blade	1200 mm
Width, side blade	550 mm
Weight	50 kg

The dozer blade mounts on the silage fork: just drive the fork into the blade and lock it with the upper grapple of the fork. Destined for cleaning of the floors in cowhouses, stables etc. Equipped with one side blade as standard.

Grain / flour dispenser



Capacity	300 l
Width	1100 mm
Weight	90 kg

AVANT grain dispenser is a 300 l bucket equipped with a hydraulic motor and a Ø 200 mm screw, destined for distribution of flour, crushed grain etc. Discharges to the right side or to the left side.

Silage block cutter



Width	1000 mm
Weight	245 kg
Capacity	250 kg

With the silage cutter you can easily cut silage from silo and take it directly to the cattle. Thanks to the open design of the cutting blade visibility during silage distribution is very good. Cuts about 8 animals' silage at one time. Tines are made of reinforced steel.

Grapple bucket



Width	Weight
900 mm	130 kg
1050 mm	145 kg

Grapple bucket combines a normal bucket and a grapple and is therefore suitable for a multitude of jobs. It can be used for transporting and loading of branches, wood chip, compost, straw, manure etc.

Carousel broom



Working width	1000 mm
Broom diameter	1000 mm
Broom material	Nylon
Weight	70 kg

This hydraulically operated broom is a useful attachment when sweeping materials to the side or away from the wall. Rotates in both directions and can be used for various tasks especially on the farm.

All-round grapple



Width	Weight
900 mm	65 kg

This versatile tool can be used for lifting and transporting of many different types of materials which cannot be handled with a normal bucket or pallet fork.

Straw blower bucket



Capacity	800 l
Width	1400 mm
Weight	340 kg

With the straw blower bucket you can distribute straw quickly and easily to the cow stalls by driving with your Avant. The blower fan discharges the material up to 3-4 m distance, depending on engine rpm. The bucket can blow chopped straw, sawdust, turf and small wood chips.

Backhoe 210



Digging depth	2100 mm
Loading height	2000 mm
Slewing	120 °
Buckets	250/400/700 mm
Weight	190 kg

AVANT backhoe 210 is a very compact and amazingly powerful digging unit. Low weight allows transportation on trailer. Dozer blade at the bottom of the frame is standard feature.

Trencher



Digging depth	max 900 mm
Trench width	100 - 150 mm

With trencher you can easily dig narrow trenches without damaging lawns and gardens – this trencher is ideal for smaller cable or pipe laying. Planetary drive with hydraulic motor guarantee efficient and trouble free operation. Three different types of chains available: standard earth chain, frost chain and heavy duty chain with tungsten teeth.

Auger



Auger diameters	75 - 900 mm
Max. drilling depth	1500 mm

Powerful hydraulic auger with many different auger diameters; for post hole boring, tree transplanting etc. Replaceable teeth (tungsten teeth as option) and pilot head enable drilling in hard ground also. Extension shafts available as option.

Hydraulic breaker



Model	B105
Weight	105 kg
Impact rate (frequency)	600-3200 bpm

AVANT with a hydraulic breaker is an extremely efficient and versatile tool in demolition and refurbishing operations: with the same machine you can first do the demolition and then take the debris away with a bucket – very fast and effective.

Jib boom



Length	1200 mm
Weight	40 kg

Avant jib boom is a simple and ingenious attachment: lifting and moving heavier loads in tight situations are not a problem any more when you have this jib boom on your Avant.

Rotary broom



Working width	1100 mm
Broom diameter	550 mm
Broom material	Nylon
Weight	170 kg

AVANT rotary broom is equipped with a floating bracket and three big support wheels in order to follow the contours of the ground. Sweeping angle can be adjusted manually (straight or $\pm 20^\circ$) Broom is made of nylon – solid steel or nylon/steel brooms are available as an option.

Dozer blade



Working width	1400 mm
Weight	100 kg
Angle	$\pm 30^\circ$
Blade height	380 mm

Equipped with hydraulic blade turning, the AVANT dozer blade is the ideal tool for jobs where the materials must be dozed away quickly. Blade is replaceable; standard blade has straight edge, can also be fitted with rubber or saw-type edge for efficient ice cutting.

Sand spreader



Working width	900 mm
Capacity	200 l
Weight	120 kg

A hydraulic sand spreader for fast and efficient sand spreading. Front mounting allows loading from ground level in the same way as with normal bucket. Powered by hydraulic motor and equipped with a mixer axle, which prevents the sand from clogging up. The plates in the feeding roll are spring loaded - this means stones will not block or break the spreader.

Leveler



Width	1200 mm	1500 mm
Weight	85 kg	95 kg

A simple and inexpensive but incredibly useful and efficient attachment for leveling and planing of larger areas. With AVANT leveler you can easily and quickly level sand, mulch etc. and prepare the soil e.g. for sowing grass. It is also very useful when leveling the yards and walkways.

Log grab



Log diameter max.	900 mm
Weight	50 kg

AVANT log grab mounts on Avant pallet forks. With the log grab you can lift and transport single logs or smaller timber bundles. The grab is equipped with a powerful hydraulic cylinder and it can therefore lift bigger stones and also branches, twigs and similar material.

Ripper



Width	500 mm
Working depth	appr. 300 mm
Weight	50 kg

The ripper is an inexpensive and practically irreplaceable tool in ground works. With the ripper it is easy and effortless to remove roots as well as rocks even from hard packed ground. The replaceable hard metal teeth guarantee a long lifespan for the attachment.



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Familiarise yourself with the wide Avant loader and attachment range on our website:

www.avanttecno.com

On the website you can also download video clips of the machines at work.

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