

AVANT[®]

Loaders, options & attachments



Catalog

Foreword

This catalog contains most of the Avant loaders and attachments available from Avant Tecno USA at the date of printing. Avant has a policy of continuing product development and retains the right to change specifications without notice.

Operation of certain attachments may require specific equipment on the loader. Please consult your local Avant dealer.

Compatibility tables between attachments and loader models are advisory. All attachments do not fit on all loader models. Please contact your local Avant dealer to make sure that the attachment is compatible with your Avant loader.

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AVANT®

Avant's advantages in power, efficiency, versatility and value are driven by our robust features. Our compact articulated design uses less horsepower to do most jobs-that means less surface impact and lower operating costs.

- ✓ Excellent weight to lift ratio
- ✓ Avant increases productivity, saving time and manpower
- ✓ Minimal surface impact
- ✓ Articulated, compact design
- ✓ Low operating cost
- ✓ Fuel efficient
- ✓ Offset telescopic boom
- ✓ Easy to operate
- ✓ 360° operator visibility
- ✓ Hundreds of attachments



Landscaping

Avant is a versatile landscaper's tool that will cover all your landscaping and maintenance needs. Articulated steering and light frame reduce ground damage saving time and money on jobs.



Construction & demolition

Avant loaders can take care of various jobs in different stages of the construction project in new building projects, renovations or demolition.



Tree Care

Avant is powerful enough to lift heavy logs, yet compact enough to fit in tight nooks, small yards and narrow pathways. Avant loaders have less surface impact therefore laying down protective mats is unnecessary allowing you save time and money.



Sidewalk snow removal

Avant's compact size allows you to fit on 48" sidewalks making snow removal easier and more efficient.



Municipalities

Avant loaders are already used by many Municipalities, Park Districts, and Universities across the United States. With hundreds of attachments to choose from, there is a tool for every job.



Farming

Avant loaders can take care of all the physically challenging jobs on the farm that used to have to be done manually. A versatile tool for all the work on the farm.

AVANT[®] 200

Super compact multi-function loader

- ✓ Avant quick attach system for attachments
- ✓ Boom Float
- ✓ Multi connector for hydraulic attachments
- ✓ Multi function display: hour meter and fuel gauge, engine indicators, road traffic light indicators
- ✓ Large 4.7 gal fuel tank
- ✓ Large 47 Ah battery
- ✓ Automatic drive release valve
- ✓ LED front lights
- ✓ Avant 225 with 25 hp electronic fuel injection gasoline engine starts easily in any situation, no choke needed
- ✓ Auxiliary hydraulics oil flow to hydraulically driven attachments as high as 11.1 gal/min

Options

- ✓ Suspension seat with arm rests and heater
- ✓ Joystick 6 functions: auxiliary hydraulics control with buttons on joystick
- ✓ Cab L: windscreen with wiper and washer, right side and rear windows – door also available as an option
- ✓ Anti slip valve
- ✓ LED work light kit: 2 front, 1 rear
- ✓ Road traffic kit
- ✓ Auxiliary hydraulics outlet in the rear
- ✓ Attachment control switch pack for electric functions on attachment
- ✓ Wheel weights

Safety

- ✓ Longer wheelbase and lower center of gravity – better stability
- ✓ Certified ROPS safety frame and FOPS canopy
- ✓ Seat belt
- ✓ LED front lights as standard, extra LED work light kit (2 front, 1 rear, 700 lumen) available as an option
- ✓ Excellent, unrestricted field of vision to the attachment and working environment



75.2 in



1540 lb



55.1 in



772 lb



**20-25 hp
Gasoline**



0 – 6.2 MPH

Specifications



Machine width

Wheel size	Profile	Width
20 x 8.00 - 10	TR or grass	39.2 in
20 x 8.00 - 10*	TR or grass	40.4 in

* With spacers A44337

Model	AVANT 220	AVANT 225
Length	75.2 in	75.2 in
Width*	39.2 in	39.2 in
Height	74 in	74 in
Weight	1540 lb	1540 lb
Wheels	20x8.00-10 tractor/grass	20x8.00-10 tractor/grass
Transmission, drive	hydrostatic	hydrostatic
Pulling force	1395 lbf	1440 lbf
Drive speed (max.)	6.2 MPH	6.2 MPH
Auxiliary hydraulics	7.9 gal/min/2680 PSI	11.1 gal/min/2680 PSI
Hydraulic oil cooler	standard	standard
Turning radius inside/outside**	35.8 / 75.2 in	35.8 / 75.2 in
Tipping load***	772 lb	772 lb
Engine	Kohler CV640	Kohler ECV730 EFI
Engine output	20 hp	25 hp
Fuel	Gasoline	Gasoline
Product no:	M220	M225

* 40.4 in. with optional wheel spacers

** Turning radius with Standard tires

*** Load is measured at 15.8 in from the attachment coupling plate.

AVANT[®]400

Low operating weight, uncomplicated and economical

- ✓ Equipped with Kubota 22 hp diesel engine – more horsepower and torque especially on low revs
- ✓ Auxiliary hydraulics oil flow, 9 gal/min

Standard specification

- ✓ Telescopic boom
- ✓ Joystick 6 functions: auxiliary hydraulics control with buttons on joystick
- ✓ Multi connector system for hydraulic attachments
- ✓ Hydraulic oil cooler
- ✓ Certified ROPS safety frame + FOPS canopy
- ✓ 2 front LED work lights (1000 lumen)
- ✓ Hydrostatic 4WD
- ✓ Standard tires 23x8.50-12 Tractor or Grass profile
- ✓ Suspension seat with arm rests (no heater)
- ✓ 5.3 gal fuel tank

Options

- ✓ Cab L: windscreen with wiper and washer, right side and rear
- ✓ Anti slip valve
- ✓ LED work light kit: 2 front, 1 rear
- ✓ Road traffic kit
- ✓ Auxiliary hydraulics outlet in the rear
- ✓ Opticontrol attachment control system for attachments with electric and hydraulic functions
- ✓ Narrow spec of 36.7 inches with 5.70-12 tires
- ✓ Extra counterweights



Width with 5.70-12 tires 36.7 in



86.4 in



2380 lb



108 in



1210 lb



**22 hp
Diesel**



0-7.5 MPH

Specifications



Machine width

Wheel size	Profile	Width
5.70-12	TR	36.7 in
23 x 8.50 - 12	TR or grass	41.3 in
23 x 10.50 - 12	TR or grass	43.1 in

Model	AVANT 423
Length	86.4 in
Width	36.7 - 43.1 in
Height	78 in
Weight	2380 lb
Standard wheels	23x8.50-12" TR or grass
Transmission, drive	hydrostatic
Pulling force	1500 lbf
Drive speed (max.)	7.5 MPH
Auxiliary hydraulics oil flow / pressure	9.0 gal/min 2680 PSI
Hydraulic oil cooler	Standard
Turning radius inside/outside*	34.6 / 77.6 in
Tipping load**	1210 lb
Max. breakout force	1430 lbf
Engine make and type	Kubota D902
Engine output	22 hp
Maximum torque	41 lbf-ft @ 2200 rpm
Fuel	Diesel
Product no:	M423

* Turning radius with Standard tires

** Load is measured at 15.8 in from the attachment coupling plate, unit with rear sideweights.

AVANT[®] 500

Excellent choice with robust and simple hydraulics

Avant 523

- ✓ Equipped with Kubota 22 hp diesel engine – more horsepower and torque especially on low revs
- ✓ Higher auxiliary hydraulics oil flow, 9.0 gal/min

Avant 528/530

- ✓ Kubota 25 hp diesel engine
- ✓ Auxiliary hydraulics oil flow, 9.5 gal/min
- ✓ 528 max speed 7.5 mph
- ✓ 530 dual speed 12 mph max

Standard specification

- ✓ Strong piston type Poclain drive motors
- ✓ Telescopic boom
- ✓ Joystick 6 functions: auxiliary hydraulics control with buttons on joystick
- ✓ **OPTIBRIVE[®]** drive system - more power to drive and to attachment hydraulics
- ✓ Multi connector system for hydraulic attachments
- ✓ Hydraulic oil cooler
- ✓ Certified ROPS safety frame + FOPS canopy
- ✓ 2 front LED work lights (1000 lumen)
- ✓ Hydrostatic 4WD
- ✓ Standard tires 23x10.50-12 Tractor or Grass profile
- ✓ Suspension seat with arm rests (no heater)
- ✓ Integrated back weight 375 lb
- ✓ Fuel tank size 7.9 gal
- ✓ 9.5 gal hydraulic oil tank



96.1 – 101.2 in



3020–3220 lb



110 in



1750–2100 lb



22–26 hp
Diesel



0–12 MPH

Specifications



Height with cab

Wheel size	26x12.00-12 320/60-12*	27x8.50-15
Cab L	80.1 in	80.6 in
Cab LX	79.7 in	80.2 in
Cab DLX	80.5 in	81.0 in

* With 23" wheels machine is 0.6 in lower

Machine width

Wheel size	Profile	Width
27 x 8.50 - 15*	TR	40.6 in/ 44.6 in
23 x 8.50 - 12	TR or grass	42.5 in
23 x 10.50 - 12	TR or grass	44.5 in
26 x 12.00 - 12*	TR or grass	50.8 in
320/60-12 HD*	TR	50.8 in
26.5 x 14.00 - 12**	grass	55.9 in

** Requires 1.6 in spacers on the wheel hubs

Model	AVANT 523	AVANT 528	AVANT 530
Length	96.1 in	101.2 in	101.2 in
Width (with 23x10.50-12 wheels)	44.5 in	44.9 in	44.9 in
Height	78.2 in	78.2 in	78.2 in
Weight	3020 lb	3130 lb	3220 lb
Standard wheels	23x10.50-12" TR or grass	23x10.50-12" TR or grass	23x10.50-12" TR or grass
Transmission, drive	hydrostatic	hydrostatic	hydrostatic
Pulling force	1985 lbf	2100 lbf	2315 lbf
Drive speed (max.)	7.5 MPH	7.5 MPH	12 MPH
Auxiliary hydraulics oil flow / pressure	9.0 gal/min 2680 PSI	9.5 gal/min 2900 PSI	9.5 gal/min 2900 PSI
Hydraulic oil cooler	Standard	Standard	Standard
Turning radius inside/outside*	39.2 / 80.7 in	39.2 / 80.7 in	39.2 / 80.7 in
Max. lifting height	110 in	110 in	110 in
Tipping load**	1750 lb	2100 lb	2100 lb
Max. breakout force	2425 lb	2800 lb	2800 lb
Engine make and type	Kubota D902	Kubota D1105	Kubota D1105
Engine output	22 hp	25 hp	25 hp
Maximum torque	41 lbf-ft @ 2200 rpm	53 lbf-ft @ 2200 rpm	53 lbf-ft @ 2200 rpm
Fuel	Diesel	Diesel	Diesel
Product no:	M523	M528	M530

* Turning radius with 23x10.50-12 wheels

** Load is measured at 15.8 in from the attachment coupling plate, unit with rear sideweights.

AVANT[®] 600

Perfect combination of power and maneuverability

Avant 600 series benefits over 500 series

- ✓ More lift capacity and handling power
- ✓ Stronger and faster hydraulic system
- ✓ 8 function joystick
- ✓ 630 equipped with Kubota 25 hp diesel engine
- ✓ 635 and 640 equipped with Kubota 26 hp diesel engine
- ✓ More oil flow for attachments, Dual pump with 11.6 gal/min (630) / 13.2 gal/min (635/640)
- ✓ DLX Cab with Heat and A/C available (635/640)
- ✓ Avant 630/635 max speed 8.7 mph, 640 max speed 12.4 mph

Standard specification

- ✓ Telescopic boom
- ✓ **OPTIBRIVE[®]** drive system - more power to drive and to attachment hydraulics
- ✓ Strong piston type Poclain drive motors
- ✓ Multi connector system for hydraulic attachments
- ✓ Fast ground speed
- ✓ Drive release valve
- ✓ Hydraulic parking brake
- ✓ Certified ROPS safety frame + FOPS canopy
- ✓ 2 front head lights (1000 lumens)
- ✓ Hydrostatic 4WD
- ✓ Standard tires 26x12-12 Tractor or Grass profile
- ✓ Full suspension heated seat with seat belt & arm rests
- ✓ Integrated back weight 375 lb
- ✓ Fuel tank size 7.9 gal.
- ✓ 10 gal hydraulic oil tank



101.2 in



3310-3500 lb



112 in



2440-2620 lb



**26 hp
Diesel**



0-12.4 MPH

Specifications



Height with cab

Wheel size	26x12.00-12 320/60-12*	27x8.50-15
Cab L	80.1 in	80.6 in
Cab LX	79.7 in	80.2 in
Cab DLX	80.5 in	81.0 in
Cab DLX with air conditioning on the roof	85.9 in	86.4 in

* With 23" wheels machine is 0.6 in lower

Machine width

Wheel size	Profile	Width
27 x 8.50 - 15*	TR	40.6 in/ 44.6 in
23 x 8.50 - 12	TR or grass	42.5 in
23 x 10.50 - 12	TR or grass	44.5 in
26 x 12.00 - 12	TR or grass	50.8 in
320/60-12 HD	TR	50.8 in
26,5 x 14.00 - 12**	grass	55.9 in

** Requires 1.6 in spacers on the wheel hubs

Model	AVANT 630	AVANT 635	AVANT 640
Length	101.2 in	101.2 in	101.2 in
Width (with 26x12.00-12 wheels)	50.8 in	50.8 in	50.8 in
Height	80.1 in	80.1 in	80.1 in
Weight	3310 lb	3370 lb	3500 lb
Standard wheels	26x12.00-12" TR or grass	26x12.00-12" TR or grass	26x12.00-12" TR or grass
Transmission, drive	hydrostatic	hydrostatic	hydrostatic
Pulling force	2650 lbf	3100 lbf	3100 lbf
Drive speed (max.)	8.7 MPH	8.7 MPH	12.4 MPH
Auxiliary hydraulics oil flow / pressure	11.6 gal/min 2900 PSI	13.2 gal/min 2900 PSI	13.2 gal/min 2900 PSI
Hydraulic oil cooler	Standard	Standard	Standard
Turning radius inside/outside*	35.4 / 97.2 in	35.4 / 97.2 in	35.4 / 97.2 in
Max. lifting height	112 in	112 in	112 in
Max. tipping load**	2440 lb	2560 lb	2620 lb
Max. breakout force	2760 lbf	2760 lbf	2760 lbf
Engine make and type	Kubota D 1105, 3-cyl.	Kubota V1505, 4-cyl.	Kubota V1505, 4-cyl.
Engine output	25 hp	26 hp	26 hp
Maximum torque	53 lbf-ft @ 2200 rpm	69 lbf-ft @ 1700 rpm	69 lbf-ft @ 1700 rpm
Fuel	Diesel	Diesel	Diesel
Product no:	M630	M635	M640

* Turning radius with 26x12.00-12 wheels

** Load is measured at 15.8 in from the attachment coupling plate, unit with rear sideweights.

AVANT[®] 645i

AVANT[®] 650i

New super compact loaders with high output

- ✓ Most compact over 26 hp Stage V / Tier 4 final loader in the market
- ✓ High-flow auxiliary hydraulics, max. 19.8 gal/min with 2 pumps - can run practically any Avant attachment
- ✓ Light weight: easy to transport, very gentle on the turf
- ✓ State-of-the-art GT cab provides extreme comfort and is superior in its class, available also with air condition

645i/650i compared to 635/640

- ✓ Rear frame is 1.6 in longer and completely redesigned
- ✓ New design on the cover panels
- ✓ Multi-function display
- ✓ Large 10.6 gal fuel tank
- ✓ More handling and auxiliary hydraulic power
- ✓ New bigger tire option 320/55-15 available
- ✓ ROPS/FOPS (open cab) as standard, L cab and GT cab available as an option

Standard specification

- ✓ Telescopic boom, boom floating, joystick 8 functions
- ✓ **OPTIBRIVE[®]** drive system - more power to drive and to attachment hydraulics
- ✓ Strong piston type Poclain drive motors
- ✓ Multi connector system for hydraulic attachments
- ✓ Fast ground speed, max 14.9 MPH (650i with 2-speed drive motors)
- ✓ Hydrostatic 4WD, drive release valve, hydraulic parking brake
- ✓ Turbocharged Kubota V1505CRT common rail diesel engine complies with US Tier 4 final emission regulations, equipped with diesel oxidation catalyst (DOC) and diesel particulate filter (DPF) integrated in the same housing
- ✓ Certified ROPS safety frame + FOPS canopy
- ✓ 2 front LED work lights (1000 lumen)
- ✓ Standard tires 26x12-12 Traction or Grass profile
- ✓ Full suspension heated seat with seat belt & Arm rest
- ✓ Integrated back weight 375 lb
- ✓ Multi function display instead of separate gauges, with information on engine revs, working hours, fuel consumption (g/h), auxiliary hydraulics oil flow, temperatures etc.



102.8 in



3480–3620 lb



112 in



2440–2620 lb



**44 hp
diesel**



0 – 14.3 MPH

Specifications



Height with cab

Wheel size	26x12.00-12 320/60-12*	320-55/15
Cab GT	80.3 in	82.7 in

* With 23" wheels machine is 0.6 in lower

Machine width

Wheel size	Profile	Width
27 x 8.50 - 15*	TR	40.6 in/ 44.6 in
23 x 8.50 - 12	TR or grass	42.5 in
23 x 10.50 - 12	TR or grass	44.5 in
26 x 12.00 - 12	TR or grass	50.8 in
320/60-12 HD	TR	50.8 in
320/55-15	TR or grass	51.4 in
26,5 x 14.00 - 12**	grass	55.9 in

* Bigger wheels will increase total machine height by 0.5 in

** Requires 1.6 in spacers on the wheel hubs

Model	AVANT 645i	AVANT 650i
Length	102.8 IN	102.8 IN
Width (with 26x12.00-12 wheels)	50.8 in	50.8 in
Height	81.1 in	81.1 in
Weight	3570 lb	3590 lb
Standard wheels	26x12.00-12" TR or grass	26x12.00-12" TR or grass
Transmission, drive	hydrostatic	hydrostatic
Pulling force max.	3100 lbf	3100 lbf
Drive speed	7.5 MPH	14.3 MPH
Auxiliary hydraulics oil flow / pressure	19.8 gal/min 2900 PSI	19.8 gal/min 2900 PSI
Hydraulic oil cooler	Standard	Standard
Turning radius inside/outside*	35.4 / 97.2 in	35.4 / 97.2 in
Max. lifting height	112 in	112 in
Tipping load**	2620 lb	2620 lb
Max. breakout force / 50 cm	2760 lbf	2760 lbf
Engine make and type	Kubota V1505-CR-TE5, 4-cyl.	Kubota V1505-CR-TE5, 4-cyl.
Engine output (ECE R120)	44 hp	44 hp
Maximum torque	87 lbf-ft @ 2000 rpm	87 lbf-ft @ 2000 rpm
Fuel	Diesel	Diesel
Product no:	M645	M650

* Turning radius with 26x12.00-12 wheels

** Load is measured at 15.8 in from the attachment coupling plate, unit with rear sideweights.

AVANT[®] 700

Outstanding handling capacity

Avant 700 benefits over 600 series

- ✓ More lift capacity and handling power
- ✓ Stronger boom construction
- ✓ More oil flow for attachments, max. 21.1 gal/min
- ✓ Greater lifting height, up to 122 in
- ✓ Avant 755i and 760i with Kohler KDI 1903 TCR turbocharged common rail diesel engine complies with Tier 4 Final emission regulations without need for diesel exhaust fluid (DEF) or active regeneration of the particulate filter (DPF)

NEW

- ✓ Multi function display on 755i and 760i instead of separate gauges, with information on engine revs, working hours, fuel consumption (g/h), auxiliary hydraulics oil flow, temperatures etc.
- ✓ Large fuel tank 16.6 gal

Standard specification

- ✓ Telescopic boom, **NEW** boom Float design (755i/760i)
- ✓ **OPTIBRIVE[®]** drive system - more power to drive and to attachment hydraulics
- ✓ Strong piston type Poclain drive motors on all models
- ✓ Multi connector system for hydraulic attachments
- ✓ 8 function joystick
- ✓ Drive release valve
- ✓ Hydraulic parking brake
- ✓ Certified ROPS safety frame + FOPS canopy
- ✓ 2 front head lights (1000 lumens)
- ✓ Hydrostatic 4WD
- ✓ Avant 760i with dual speed up to 16.2 mph, Avant 755i with single speed up to 10.6 mph
- ✓ Standard tires: Avant 760i 10-stud 400/50-15 grass or TR profile, Avant 735/755i 5-stud 320/60-12 TR or 26x12.00-12 grass profile
- ✓ Full suspension heated seat with seat belt & arm rests
- ✓ Integrated back weight 375 lb
- ✓ 10 gal hydraulic oil tank



120.9 in



3970–4640 lb



122 in



3810 lb



**26–57 hp
Diesel**



0–16.2 MPH

Specifications

AVANT[®] 700



Height with cab

Wheel size	26x12.00-12 320/60-12	320/55/15*
Cab L	81.1 in	82.4 in
Cab LX (735)	81.8 in	83.1 in
Cab DLX (735)	82.9 in	84.2 in
Cab GT	81.5 in	82.7 in

* With 400/50-15 machine is 1.2 in higher

Machine width

Wheel size	Profile	Machine width 735/755i	760i
27x8.50-15	TR	40.6 in/ 44.6 in	42.5 in
26x12.00-12	TR or grass	50.8 in	53.1 in
320/60-12 HD	TR	50.8 in	53.1 in
320/55-15	TR or grass	51.4 in	53.5 in
400/50-15	TR or grass	-	57.1 in

Model	AVANT 735	AVANT 755i	AVANT 760i
Length	120.9 in	120.9 in	120.9 in
Width (standard tires)	51 in	51 in	57.1 in
Height	82.3 in	82.3 in	84.3 in
Weight, starting from	3970 lb	4420 lb	4640 lb
Standard tires	26/12.00-12 Grass 320/60-12 Tractor	26/12.00-12 Grass 320/60-12 Tractor	400/50-15 TR or grass
Transmission	Hydrostatic	Hydrostatic	Hydrostatic
Pulling force	2650 lbf	2990 lbf	3600 lbf
Drive speed	8.7 MPH	10.6 mph	16.2 mph
Auxiliary hydraulics	13.2 gal/min 2900 PSI	21.1 gal/min 3260 PSI	21.1 gal/min 3260 PSI
Turning radius (inside/outside)*	49.2 / 105.3 in	49.2 / 105.3 in	49.2 / 105.3 in
Lifting height	122.0 in	122.0 in	122.0 in
Tipping load**	3810 lb	3810 lb	3810 lb
Max. breakout force at 20 in	3750 lbf	3750 lbf	3750 lbf
Engine make and type	Kubota V1505, 4-cyl.	Kohler KDI 1903 TCR	Kohler KDI 1903 TCR
Engine output	26 hp	57 hp	57 hp
Maximum torque	69 lbf-ft @ 1700 rpm	166 lbf-ft @ 1500 rpm	166 lbf-ft @ 1500 rpm
Fuel	Diesel	Diesel	Diesel
Product no:	M735	M755	M760

* With standard wheels

** Load is measured at 15.8 in from the attachment coupling plate, unit with rear sideweights.

AVANT[®] 800

Avant's largest and most powerful model

- ✓ Handling capacity up to 4190 lb
- ✓ Strong boom construction with two tilt cylinders
- ✓ Lifting height 137.8 in to hinge pin
- ✓ Oil flow for attachments max. 21.1 gal/min, twin pump
- ✓ Cab with air conditioning available
- ✓ Air suspension seat for cab available
- ✓ Big 17" wheels as standard
- ✓ Avant quick attach system as standard
- ✓ Kohler KDI 1903 TCR turbocharged common rail diesel engine complies with Tier 4 Final emission regulations without need for diesel exhaust fluid (DEF) or active regeneration of the particulate filter (DPF)

Standard specification

- ✓ Telescopic boom, boom self levelling, boom floating
- ✓ **OPTIBRIVE[®]** drive system - more power to drive and to attachment hydraulics
- ✓ Strong piston type Poclain drive motors on all models
- ✓ Dual speeds available
- ✓ Hydrostatic 4WD
- ✓ Multi connector system for hydraulic attachments
- ✓ Joystick 8 functions
- ✓ Drive release valve
- ✓ Hydraulic parking brake
- ✓ Certified ROPS safety frame + FOPS canopy
- ✓ 2 front LED work lights (1000 lumen)
- ✓ 10-stud wheel hub, standard tires 380/55-17" Tractor
- ✓ Full suspension heated seat with seat belt & hand rests
- ✓ Integrated back weight 600 lb
- ✓ Fast travel speed: 18.6 mph
- ✓ Multi function display instead of separate gauges, with information on engine revs, working hours, fuel consumption (g/h), auxiliary hydraulics oil flow, temperatures etc.
- ✓ Large fuel tank 16.6 gal



133.7 in



5600 lb



138 in



4190 lb



**57 hp
Diesel**



0-18.6 MPH

Specifications

AVANT[®]
800



Height

Wheel size	380/55 - 17 TR
ROPS	86.6 in
Cab GT	87.8 in

Model	AVANT 860i
Length	133.7 in
Width (with standard wheels)	58.7 in
Height (with standard wheels)	86.6 in
Weight	5600 lb
Standard wheels	380/55-17" TR or grass
Transmission, drive	hydrostatic
Pulling force max.	4630 lbf
Drive speed max.	18.6 mph
Auxiliary hydraulics	21.1 gal/min 3260 PSI
Turning radius inside/outside*	53.9 in / 117.7 in
Lifting height to pivot point	137.8 in
Max. tipping load**	4190 lb
Max. breakout force / 50 cm	4850 lb
Engine make and type	Kohler KDI 1903 TCR
Engine output	57 hp
Maximum torque	166 lbf-ft @ 1500 rpm
Fuel	diesel
Product no:	M860

* With standard wheels

** Load is measured at 15.8 in from the attachment coupling plate, unit with rear sideweights.



The full electric battery powered Avant

Avant e5

- ✓ Battery driven, 100% full electric
- ✓ AGM (Absorbent Glass Mat) battery, maintenance free. AGM battery is a lead acid battery where the electrolyte is held in glass mats – very thin glass fibers are woven into a mat which increases surface area enough to hold sufficient electrolyte on the cells for their lifetime
- ✓ 285 Ah / 13.6 kWh battery capacity

Standard features

- ✓ No exhaust emissions, very low noise
- ✓ Up to 3hrs work on a 3hr charge (480 3phase required)
- ✓ Hydrostatic 4WD, strong piston type Poclain drive motors
- ✓ **OPTIBRIVE®** drive system - more power to drive and to attachment hydraulics
- ✓ Auxiliary hydraulics oil flow max. 7.9 gal/min
- ✓ Multi connector system for hydraulic attachments
- ✓ Joystick 6 functions: auxiliary hydraulics control with buttons on joystick
- ✓ Hydraulic oil cooler, telescopic boom, drive release valve, hydraulic parking brake
- ✓ Suspension seat with arm rests (no heater)
- ✓ Certified ROPS safety frame + FOPS canopy
- ✓ 2 front LED work lights (1000 lumen)



96.1 in



3620 lb



110 in



2000 lb



13.6 kWh



0-6.2 MPH

Specifications



Machine width

Wheel size	Profile	Width
27 x 8.50 - 15*	TR	40.6 in/ 44.6 in
23 x 8.50 - 12	TR or grass	42.5 in
23 x 10.50 - 12	TR or grass	44.5 in
26 x 12.00 - 12*	TR or grass	50.8 in
320/60-12 HD*	TR	50.8 in
26.5 x 14.00 - 12**	grass	55.9 in

* Bigger wheels will increase total machine height by 0.8-1.4 in

** Requires 1.6 in spacers on the wheel hubs

Model	AVANT e5
Length	96.1 in
Width (with 23x10.50-12 wheels)	44.5 in
Height (with 23x10.50-12 wheels)	78.2 in
Weight	3620 lb
Standard wheels	23x10.50-12" TR
Transmission, drive	hydrostatic
Drive speed max.	6.2 MPH
Auxiliary hydraulics oil flow / pressure	7.9 gal/min
Hydraulic oil cooler	Standard
Turning radius inside/outside*	39.2 / 80.7 in
Max. lifting height	110 in
Tipping load**	2000 lb
Max. breakout force / 50 cm	2425 lb
Battery type	AGM (Absorbent Glass Mat)
Battery capacity	13.6 kWh
Fuel	Electric
Product number	ME5

* With standard wheels

** Load is measured at 15.8 in from the attachment coupling plate, unit with rear sideweights.

Tire options, on a new machine



1



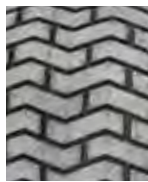
2



3



4



5



6

Size	Tread	Product no:	220	225	423	523	528	530	630	635	640	645i	650i	735	755i	760i	860i	e5
20 x 8.00 - 10	1, TR	MW20810T	Ⓢ	Ⓢ	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
20 x 8.00 - 10	4, Grass	MW20810G	Ⓢ	Ⓢ	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
5.70-12	2, TR	MW5.5712T	✗	✗	✓	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
23 x 8.50-12	2, TR	MW5.238512T	✗	✗	Ⓢ	✓	✓	✓	✓	✓	✓	✓	✓	✗	✗	✗	✗	✓
23 x 8.50-12	4, Grass	MW5.238512G	✗	✗	Ⓢ	✓	✓	✓	✓	✓	✓	✓	✓	✗	✗	✗	✗	✓
23 x 10.50-12	3, TR	MW5.2310512T	✗	✗	✓	Ⓢ	Ⓢ	Ⓢ	✓	✓	✓	✓	✓	✗	✗	✗	✗	Ⓢ
23 x 10.50-12	4, Grass	MW5.2310512G	✗	✗	✓	Ⓢ	Ⓢ	Ⓢ	✓	✓	✓	✓	✓	✗	✗	✗	✗	Ⓢ
26 x 12.00-12	3, TR	MW10.261212T	✗	✗	✗	✓	✓	✓	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	✗	✗	✗	✗	✓
26 x 12.00-12	4, Grass	MW10.261212G	✗	✗	✗	✓	✓	✓	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	✓	✓	✗	✗	✓
320/60 - 12 HD	3, TR	MW10.3206012T	✗	✗	✗	✓	✓	✓	✓	✓	✓	✓	✓	Ⓢ	Ⓢ	✓	✗	✓
27 x 8.50-15	2, TR	MW10.278515T	✗	✗	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✓
26.5 x 14.00-12*	5, Grass	MW10.2651412G	✗	✗	✗	✓	✓	✓	✓	✓	✓	✓	✓	✗	✗	✗	✗	✓
320/55-15 HD	3, TR	MW10.3205515T	✗	✗	✗	✗	✗	✗	✗	✗	✗	✓	✓	✓	✓	✓	✗	✗
320/55-15 HD	6, Grass	MW10.3205515G	✗	✗	✗	✗	✗	✗	✗	✗	✗	✓	✓	✓	✓	✓	✗	✗
400/50-15	3, TR	MW10.4005015T	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	Ⓢ	✗	✗
400/50-15	4, Grass	MW10.4005015G	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✓	✗	✗
380/55-17	3, TR	MW10.3805517T	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	Ⓢ	✗
380/55-17	4, Grass	MW10.3805517G	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✓	✗



* Requires 4 pcs A417486 1.5 in spacers

Spacer kit, 4 pcs

A418958



Standard



Option



Not available

Options, for a new machine



Telescopic boom

Telescopic boom gives more outreach and lifting height, which helps loading and reaching a lot. It is also easy to adjust the distance between the front wheels and the attachment with the telescopic boom, and you can also push the loader with the teleboom if necessary. Depending on model, telescopic boom gives 15.7-27.6 in more outreach, and the extra lifting height is about 15.7 in.

220	225	423	523	528	530	630	635	640	645i	650i	735	755i	760i	860i	e5
✗	✗	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕



Boom self levelling

Self levelling system keeps the position of the attachment the same in relation to the ground, regardless of the position of the boom. Self levelling is hydraulic: there is a levelling cylinder on the left side of the boom which follows the movements of the bucket tilt cylinder and keeps the attachment level. Self levelling is disabled when boom floating is switched on.

Avant 200 series is equipped with a self levelling boom as standard. The self levelling system is mechanical.

220	225	423	523	528	530	630	635	640	645i	650i	735	755i	760i	860i	e5
⊕	⊕	✗	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕



Boom floating, machine without self levelling

Boom float system releases the lift cylinder so that the boom moves freely upwards from the position where it is when boom floating is switched on, allowing the attachment to follow the contours of the ground.

200 series A421697
400 series A47773

220	225	423	523	528	530	630	635	640	645i	650i	735	755i	760i	860i	e5
✓	✓	✓	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗

⊕ Standard ✓ Option ✗ Not available

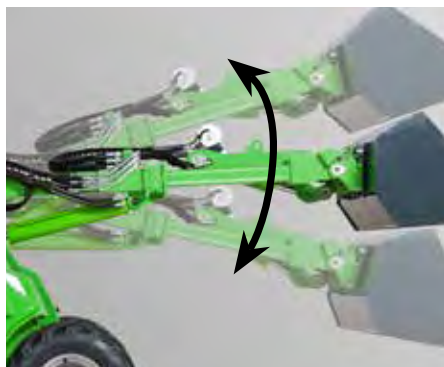


Boom floating, machine with self levelling

Boom float can also be installed on machines with boom self levelling. The boom floating valve bypasses boom self levelling, which means that boom self levelling doesn't work when boom floating is switched on.

500-700 and e series A34015

220	225	423	523	528	530	630	635	640	645i	650i	735	755i	760i	860i	e5
✗	✗	✗	✓	✓	✓	✓	✓	✓	Ⓟ	Ⓟ	✓	Ⓟ	Ⓟ	Ⓟ	✓

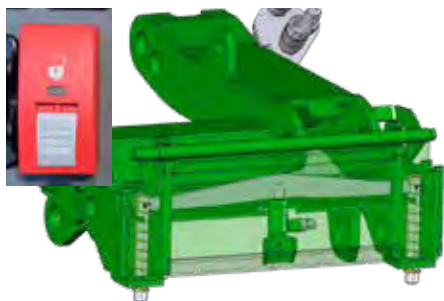


Smooth drive (boom suspension)

Smooth drive is a shock absorber system for the boom. When driving at high speed with a heavy load or heavy attachment the boom starts to move up and down, making driving bumpy. Smooth drive consists of an accumulator which absorbs and eliminates boom movements and makes driving considerably smoother and more stable. Smooth drive requires boom self levelling and boom floating on the loader.

500 series	A424825	735	A35719
630, 635, 640	A35830	755i, 760i	A445633
645i, 650i	A445633	800 series	A450647

220	225	423	523	528	530	630	635	640	645i	650i	735	755i	760i	860i	e5
✗	✗	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗



Hydraulic attachment coupling plate

The hydraulic attachment coupling plate enables coupling and disconnecting of the attachment from driver's seat. There is a hydraulic cylinder on the attachment coupling plate which moves the locking pins up and down.

500-640, 735, e-series	A430622
645i, 650i	A450469
755i, 760i	A450470
800 series	A453186

220	225	423	523	528	530	630	635	640	645i	650i	735	755i	760i	860i	e5
✗	✗	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓



Standard



Option



Not available



Joystick 6 functions

On the 6 function joystick the operation of auxiliary hydraulics (hydraulically driven attachments) happens with two buttons on the joystick. This makes work faster and more comfortable, because you don't need to move your hand from the joystick to the auxiliary hydraulics control lever when operating the attachment, and you can also lift the boom and tilt the attachment at the same time if necessary.

200 series A36785

220	225	423	523	528	530	630	635	640	645i	650i	735	755i	760i	860i	e5
✓	✓	⊖	⊖	⊖	⊖	✗	✗	✗	✗	✗	✗	✗	✗	✗	⊖



Joystick 8 functions

On the 8 function joystick both the auxiliary hydraulics and the telescopic boom can be controlled with the switches on the joystick. This speeds up both loading and working with hydraulic attachments.

220	225	423	523	528	530	630	635	640	645i	650i	735	755i	760i	860i	e5
✗	✗	✗	✗	✗	✗	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖	✗



Opticontrol®

Opticontrol® makes it possible to operate both the electric and the hydraulic functions of the attachment with the rocker switches on the control switch pack. This requires the 6 or 8 function joystick on the loader. Opticontrol® speeds up the operation of attachments which have two or more hydraulic functions and an electric solenoid valve for selecting those functions. It consists of the control switch pack which mounts on the boom control lever and a selector switch which mounts on the dashboard of the loader.

When the switch is in OFF position, electric functions of the attachment (e.g. electric turning of the rotary broom, electric water spraying pump of collecting broom, electric selector valve etc.) are controlled with the rocker switches on the control switch pack. When the switch is in ON position, all hydraulic functions of the attachment are controlled with the rocker switches on the control switch pack (e.g. hydraulic rotator and hydraulic cylinder of the timber grab, independent operation of the wings of the flipper bucket & snow plows, functions on the mounting kit for stone installation clamp etc.). This means the operator can keep the hand on the joystick and control all functions of the attachment smoothly and comfortably. If the loader is not equipped with the 6/8 function joystick, only the electric functions of the attachment are operated with the switches on the control switch pack. Opticontrol® can also be retrofitted on a machine already equipped with the control switch pack.

200 series

A36880

400-800, e series

A36878

Opticontrol® retrofit kit, for loaders with attachment control switch pack A437338

220	225	423	523	528	530	630	635	640	645i	650i	735	755i	760i	860i	e5
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓



Standard



Option



Not available



Adapter cable for attachment control switch pack

Avant loaders manufactured before 2016, where the socket of the attachment control switch pack is not on the multi connector can be retrofitted with an adapter cable. It mounts on the multi connector, and the electric wire from the attachments control switch pack is connected to this adapter cable. The attachment can also be retrofitted with a corresponding adapter cable if necessary, see page 177. With this updated adapter cable both the electric wire and the hydraulic hoses are connected at the same time with the multi connector.

Adapter cable A36869

220	225	423	523	528	530	630	635	640	645i	650i	735	755i	760i	860i	e5
✗	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓



Auxiliary hydraulics outlet in the rear, double acting

Double acting rear hydraulics is equipped with pressure and return line (on 400-800, e-series also with tank line), and it makes it possible to operate rear mounted hydraulic attachments like tipping trailer, sand spreader etc.

200 series*	A36871
400 series	A34632
500 series	A35881
630, 635, 640	A47774
645i, 650i	A449939
735	A444296
755i, 760i	A450467
800 series	A434872
e series	A434521

* (Not with hand drive)

220	225	423	523	528	530	630	635	640	645i	650i	735	755i	760i	860i	e5
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓



Standard



Option



Not available



Control switch pack for rear mounted attachments

Electric functions of rear mounted attachments can be controlled with this control switch pack. It is necessary, for instance, for operating the 700 and 800 series hydraulic rear lift A427547/ A438490 and the attachment mounted on it (e.g. sand spreaders A427150 and A424325). Other applications: operation of the electric water pump on the A37065 water spraying system of the horse arena harrow, and A37301 electric spreading adjustment of the centrifugal sand/salt spreader. The switch pack is equipped with a strong magnet and can be fastened in a suitable place in the cockpit, for instance on the dashboard. The electric socket is mounted in the rear of the loader.

Control switch pack for rear mounted attachments A431588

220	225	423	523	528	530	630	635	640	645i	650i	735	755i	760i	860i	e5
✗	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗



Second auxiliary hydraulics outlet in the front

In addition to the standard auxiliary hydraulics outlet in the front, equipped with multi connector, the loader can be equipped with an extra double acting outlet. It is double acting (pressure-return) and equipped with conventional quick couplers. If the extra front outlet is installed, rear auxiliary hydraulics outlet is not possible, and vice versa.

400 series,	A35504	735	A35477
500, e series	A35884	755i, 760i	A450468
630, 635, 640	A35462	800 series	A434870
645i, 650i	A449940		

220	225	423	523	528	530	630	635	640	645i	650i	735	755i	760i	860i	e5
✗	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓



Drive release valve

The drive release valve diverts the oil flow between the left and right side hydraulic drive motors, and this has an effect on the pulling force. When the valve is open the hydraulic oil flows in series from motor to motor. The wheels roll freely and the loader leaves less tire marks on soft and sensitive surfaces. When the valve is closed, the hydraulic oil flows in parallel between the hydraulic motors on each side, similar to a differential lock in operation. This improves traction and towing capacity of the loader.

220	225	423	523	528	530	630	635	640	645i	650i	735	755i	760i	860i	e5
⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕

⊕ Standard

✓ Option

✗ Not available



Anti slip valve

The anti slip valve positively diverts oil flow between the right and left side hydraulic drive motors (forces the oil to flow to both right and left side drive motors) and improves traction on slippery and uneven surfaces. The function of the anti slip valve depends also on the drive release valve: when the drive release valve is closed the anti slip valve diverts oil flow to the drive motors on all four wheels. When the drive release valve is open the anti slip valve diverts the oil flow between the front wheels only.

200 series	A49548
400 series	A34753
500-, 600 series	A424303
700 series	A37362
800 series	A434868
e series	A444989

220	225	423	523	528	530	630	635	640	645i	650i	735	755i	760i	860i	e5
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓



Back weight

The extra 64 lbs counterweight mounts on the rear bumper. It is equipped with handle and fastening hooks, so it is easy to just drop the weight on the bumper, and also to connect the weights on each other. Trailer couplings A417323 and A417337 can also be mounted on the weight. Only three back weights permitted.

Back weight	A35957
-------------	--------

220	225	423	523	528	530	630	635	640	645i	650i	735	755i	760i	860i	e5
✗	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓



Standard



Option



Not available



Rear side weights 176 lbs

Rear side weights mount behind the rear wheels. They are delivered as a pair: one on the left and one on the right side. Weight of the kit is 176 lbs, and it is intended mainly for 400 series, but can be mounted on bigger Avants as well.

Rear side weights 176 lbs A36401

220	225	423	523	528	530	630	635	640	645i	650i	735	755i	760i	860i	e5
✗	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓



Rear side weights 400 lbs

Rear side weights mount behind the rear wheels. They are delivered as a pair: one on the left and one on the right side. Weight of the kit is 400 lbs.

Rear side weights 400 lbs A49063

220	225	423	523	528	530	630	635	640	645i	650i	735	755i	760i	860i	e5
✗	✗	✗	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓



Wheel weight

Avant 200 series can be equipped with 31 lb wheel weights which mount on the rim with special bolts. They make the center of gravity of the machine lower and add weight, which improves the stability of the loader. Sold as set of four wheel weights.

200 series A46584

220	225	423	523	528	530	630	635	640	645i	650i	735	755i	760i	860i	e5
✓	✓	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗



Standard



Option



Not available



Attachment mounting plate in the rear

Attachment mounting plate in the rear is mainly intended for mounting the sand spreaders A427150 and A424325 in the rear of the machine. On 700 and 800 series also the centrifugal spreader A21183 can be mounted on it. The plate is a rigid vertical plate which doesn't tilt.

The mounting plate for 528/530 and 600 series is equipped with two bolts for fastening the attachment whereas the 700 & 800 series plate is fitted with the Avant quick attach system and also with hydraulic quick couplers and hydraulic hoses in case the hoses of the attachment are not long enough to reach the optional rear auxiliary hydraulics outlet on the loader.

When mounting hydraulic attachments, the loader must be equipped with the optional double acting rear auxiliary hydraulics outlet.

528, 530 and 600 series	A433267
700 series	A441613
800 series	A441666

220	225	423	523	528	530	630	635	640	645i	650i	735	755i	760i	860i	e5
✗	✗	✗	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗



Hydraulic rear lift

This hydraulic rear lift mounts on Avant 700 and 800 series only. It is mainly intended for the sand/salt spreaders A427150 & A424325.

The rear lift can be tilted down max. 95°, which means that the sand spreader can be tilted down to horizontal position and filled directly from the sand pile by reversing with the machine. The rear lift requires the optional double acting rear auxiliary hydraulics outlet and the control switch pack for rear mounted attachments on the loader. Selection between operation of rear lift / attachment is made with the switch pack, and the rear lift/attachment is operated with auxiliary hydraulics control lever (or buttons on the joystick, if fitted). Hydraulic cylinders are equipped with check valves which make sure that the rear lift cannot move inadvertently.

700 series	A427547
800 series	A438490

220	225	423	523	528	530	630	635	640	645i	650i	735	755i	760i	860i	e5
✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✓	✓	✓	✓	✗



Standard



Option



Not available



Trailer coupling

There are two types of trailer couplings available: a 2 inch ball hitch and a 2 inch ball hitch with towing pin. Both can be mounted either directly on the rear bumper or on the extra back weight. Avant 200 series is equipped with a 2 inch ball hitch as standard.

Ball hitch A417323
Ball hitch with towing pin A417337

220	225	423	523	528	530	630	635	640	645i	650i	735	755i	760i	860i	e5
⊗	⊗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓



Receiver hitch

Rear/front mounted 2 inch receiver hitch.

Rear:
400-800 series A438011

Front:
400-800 series A443494

220	225	423	523	528	530	630	635	640	645i	650i	735	755i	760i	860i	e5
✗	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓



Tool box

The lockable tool box mounts on the rear bumper.

700 series A36573

220	225	423	523	528	530	630	635	640	645i	650i	735	755i	760i	860i	e5
✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✓	✓	✓	✗	✗



Standard



Option



Not available



Rear guard

The rear guard protects the rear and the radiator of the engine. It mounts with four bolts and is easy to install and take off. The rear guard is equipped with tie down brackets and allows mounting of back weights and/or trailer coupling at the same time.

Rear guard A36572

220	225	423	523	528	530	630	635	640	645i	650i	735	755i	760i	860i	e5
✗	✗	✗	✗	✓	✓	✓	✓	✓	✗	✗	✗	✗	✗	✗	✓



Work light kit, on ROPS frame

The work light kit consists of three LED lights: 2 to the front, 1 to the rear. Two types of LED lights available: 700 lumen or 2500 lumen.

200 series, 700 lumen	A36866
400-640, 735- and e series, 700 lumen	A33916
400-640, 735- and e series, 2500 lumen	A34917
645i, 650i, 755i, 760i, 860i, 700 lumen	A438520
645i, 650i, 755i, 760i, 860i, 2500 lumen	A438521
Work light kit with red lights (for beekeepers)	
400-735- and e series, 400 lumen	A432730

220	225	423	523	528	530	630	635	640	645i	650i	735	755i	760i	860i	e5
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓



Work light kit, on cab LX

The work light kit can also be mounted on cab LX, with the same 700 lumen or 2500 lumen lights.

500-640, 735, 700 lumen	A35732
500-640, 735, 2500 lumen	A35731

220	225	423	523	528	530	630	635	640	645i	650i	735	755i	760i	860i	e5
✗	✗	✗	✓	✓	✓	✓	✓	✓	✗	✗	✓	✗	✗	✗	✗



Standard



Option



Not available



Road traffic light kit

The road traffic light kit consists of headlamps, blinkers, reflectors, slow moving vehicle sign (triangle) and beacon. When mounted on the ROPS frame the road traffic light kit of 400-800 and e series also includes the rear wall. It enables road traffic registration in certain countries. Requirements vary in different countries, please consult your local Avant distributor.

200 series	A36773
400 series	A34614
500-640 series, on ROPS	A33912
e series, on ROPS, LED*	A434812
645i, 650i, on ROPS	A449941
735, on ROPS	A34235
755i, 760i, ROPS*	A450471
800 series, on ROPS	A433228
500-640, on cab LX	A35352
735, on cab LX	A35355
7-way trailer socket	A48690/A418817
* requires auxiliary 12V battery kit A441250 on the loader	

220	225	423	523	528	530	630	635	640	645i	650i	735	755i	760i	860i	e5
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓



Beacon

The rotating warning beacon is equipped with a very bright LED lamp. It mounts on a tiltable socket and is easy to install and take off.

200 series	A421008
400-640, 735	A34002
645i, 650i, 755i, 760i, 860i	A438530
e series	A438358

220	225	423	523	528	530	630	635	640	645i	650i	735	755i	760i	860i	e5
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓



Beacon light bar

The beacon light bar is available for cab DLX only, instead of the rotating warning beacon.

Beacon light bar	A36739
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220	225	423	523	528	530	630	635	640	645i	650i	735	755i	760i	860i	e5
✗	✗	✗	✓	✓	✓	✓	✓	✓	✗	✗	✓	✗	✗	✗	✗



Standard



Option



Not available



Cab L

Avant cab L is an excellent and economical choice when the operator wants to have protection against rain, wind and snowfall. It improves operator comfort and working conditions considerably. The cab mounts on the standard ROPS frame, which means safety is guaranteed. It consists of windscreen (equipped with wiper and washer), right side window and rear window.

200 series	A36681
Door, cab L 200 series	A37278
400 series	A444002
500-600-, e series, 735	A443905
645i, 650i, 755i, 760i	A449937
800 series	A439264

Installation of the Cab L on the 500 series requires the 2 inch taller 600/700 ROPS frame, A33920. Cab L is a factory only option on 500-800 series.

220	225	423	523	528	530	630	635	640	645i	650i	735	755i	760i	860i	e5
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓



Rear wall / Front window

The rear wall / front window mounts on the ROPS frame. It gives protection against wind and light rain.

Rear wall 400 series	A439184	
Rear wall 500-700- and e series		A49446
Rear wall 800 series	A439193	
Front window 500-700 and e series	A21676	

Rear wall/Front window requires the 2 inch higher 600/700 series ROPS frame on 500 series, A33920.

220	225	423	523	528	530	630	635	640	645i	650i	735	755i	760i	860i	e5
✗	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓



Cab LX

The cab LX provides the option of a heated cab. It has all the features of the L cab with addition of a door and a heater to further improve operator comfort in harsh weather conditions. For warmer seasons the door and windows can easily be removed if required. Front mudguards are standard equipment, rear mudguards are available as an option. Cab LX is an independent ROPS/FOPS structure and cannot be retrofitted.

500-640, 735	A21517
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220	225	423	523	528	530	630	635	640	645i	650i	735	755i	760i	860i	e5
✗	✗	✗	✓	✓	✓	✓	✓	✓	✗	✗	✓	✗	✗	✗	✗



Standard



Option



Not available



Cab DLX

The cab DLX is equipped with heater, noise reducing interior materials, radio, cab air filter, LED work light kit, road traffic light kit, front and rear mudguards. Air conditioning and beacon light bar are available as an option. A/C unit can be mounted either on the roof - or behind the rear window if a lower machine height is required. The spacious and ergonomic cab DLX represents modern cab design at its best.

Cab DLX, 500-640	A21444
Cab DLX, 735	A21465
Cab DLX, AC (Unit position rear) 635/640	A21463
Cab DLX, AC (Unit position roof) 635/640	A21511

AC is available for 635, 640.

220	225	423	523	528	530	630	635	640	645i	650i	735	755i	760i	860i	e5
✗	✗	✗	✓	✓	✓	✓	✓	✓	✗	✗	✓	✗	✗	✗	✗



Cab GT

The top of the range cab GT is mounted with rubber mounts on the chassis which further reduces vibrations and noise level in the cab. Visibility to the rear wheels is better thanks to larger rear windows. The cab is equipped with heating, sound absorbing interior, windscreen washer and wiper, cab air filter and front & rear mudguards as standard. Optional equipment include air conditioning, air suspension seat, radio, road traffic kit, work light kit, 4-light beacon (2 pcs blinking LED lights above the windscreen, 2 pcs above the rear windows) and rotating beacon.



645i, 650i	A449936
755i, 760i	A444539
800 series	A436732
Work light kit on cab: 2 front, 2 rear, LED 700 lumen	A438528
Work light kit on cab: 2 front, 2 rear, LED 2500 lumen	A438539
Road traffic light kit, 645i, 650i	A449942
Road traffic light kit, 700 series	A450924
Road traffic light kit, 800 series	A438524
A/C on cab, cooler in the rear	A438326
Air suspension seat	A438053
Back rest extension, air suspension seat	A437711
Four-light beacon, on cab (2 pcs LEDs above windscreen, 2 pcs above rear windows)	A438538
Rotating beacon	A438530
Radio, with bluetooth	A438587

220	225	423	523	528	530	630	635	640	645i	650i	735	755i	760i	860i	e5
✗	✗	✗	✗	✗	✗	✗	✗	✗	✓	✓	✗	✓	✓	✓	✗



Standard



Option



Not available



HD cover plates

HD cover plates are made of extra shock resistant polycarbonate with great tensile strength. They can take the beating on the construction site and will even resist jumping on them. The HD covers are as shiny as the standard ABS covers.

423	A425274
523 ROPS frame	A425275
523 LX/DLX	A425276
528/530/630/635/640 ROPS, no rear mudguards	A36080
528/530/630/635/640 ROPS & rear mudguards	A36081
528/530/630/635/640 LX/DLX, no rear mudguards	A35670
528/530/630/635/640 LX/DLX & rear mudguards	A35669
e series	A439250

645i, 650i:

ROPS/ Cab L	A449946
Cab GT	A449944

700 series:

ROPS/ Cab L	A439142
735 LX/DLX 12" tires	A439143
735 LX/DLX 15" tires	A439145
755i/760i ROPS and cab L	A449945
755i/760i cab GT	A449943

800 series:

ROPS	A438664
Cab GT	A438665

220	225	423	523	528	530	630	635	640	645i	650i	735	755i	760i	860i	e5
✗	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓



Coated Protective Panels

Extreme abrasion, chemical, corrosion, moisture and impact resistance. Inside and outside panel lined. UV protectant. 300 % Tougher than most hybrid products.

Contact Avant for proper part numbers.

220	225	423	523	528	530	630	635	640	645i	650i	735	755i	760i	860i	e5
✗	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓



Standard



Option



Not available



Rear mudguards

528, 530, 630, 635, 640* A35237

* With 26x12.00-12 and 320/60-12HD tires

Rear mudguards are available as an option on a new machine, they cannot be retrofitted.

645i/650i A445950

700 and 800 series A437518

Rear mudguards can also be retrofitted on 645i/650i and 700 & 800 series with Stage V rear chassis.

220	225	423	523	528	530	630	635	640	645i	650i	735	755i	760i	860i	e5
✗	✗	✗	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗



Suspension seat

Suspension seat is optional equipment on 200 series. It is equipped with arm rests, seat belt and heater.

200 series A2522

220	225	423	523	528	530	630	635	640	645i	650i	735	755i	760i	860i	e5
✓	✓	⊕	⊕	⊕	⊕	✗	✗	✗	✗	✗	✗	✗	✗	✗	⊕



Full suspension seat

The full suspension seat with larger suspension is standard equipment on 600, 700 and 800 series. It is equipped with seat belt, arm rests and heater.

Full suspension seat A449718

220	225	423	523	528	530	630	635	640	645i	650i	735	755i	760i	860i	e5
✗	✗	✗	✗	✗	✗	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	✗



Standard



Option



Not available



Engine heater

Engine block heater assists with starting in low ambient temperatures.

423/523, block	A435412
528, 530, 630, 635, 640, 735, block	A435413
645i, 650i, block	A449951
755i, 760i and 860i, block	A435414

220	225	423	523	528	530	630	635	640	645i	650i	735	755i	760i	860i	e5
✗	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗



Exhaust purifier

Exhaust purifier can be mounted instead of the standard exhaust muffler. It reduces diesel engine emissions. In Kubota V1505CRT engine a diesel oxidation catalyst (DOC) is integrated in the same housing with the diesel particulate filter DPF. Kohler KDI engine is equipped with DOC as standard.

423, 523	A424843
528, 530, 630, 635, 640	A35513
735	A439833

220	225	423	523	528	530	630	635	640	645i	650i	735	755i	760i	860i	e5
✗	✗	✓	✓	✓	✓	✓	✓	✓	Ⓟ	Ⓟ	✓	Ⓟ	Ⓟ	Ⓟ	✗



Hand drive controls

Hand drive controls enables the forward-reverse driving of the loader with a switch on the joystick, instead of the drive pedals. The hand drive is proportional like the drive pedals: the more the switch is turned the faster the machine will travel. It is possible to use either the hand drive or the standard drive pedals; selection between hand drive and pedal control happens with a switch on the dashboard.

200 series	A37093
400-640, 735	A37287

220	225	423	523	528	530	630	635	640	645i	650i	735	755i	760i	860i	e5
✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✗	✓	✗	✗	✗	✗



Rear carrier

The tiltable rear carrier mounts on the rear bumper with bolts.

Rear carrier A35453

220	225	423	523	528	530	630	635	640	645i	650i	735	755i	760i	860i	e5
✗	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✗	✗	✗	✓

Snow chains

Snow chains are available for different tire sizes. They provide grip on snowy and icy surfaces. Can be mounted on all four wheels or just on the front or rear axle. Ordered in pairs.



SD

HD

5x10 TR, pair SD	64055
23x8.50-12, pair SD	64746
23x8.50-12, pair HD	64455
23x10.50-12, pair HD	64745
26x12.00-12, pair HD	64973
320/60-12, pair HD	65603
320/55-15, pair HD	65722
27x8.50-15, pair SD	65723
380/55-17, pair HD	A445685

220	225	423	523	528	530	630	635	640	645i	650i	735	755i	760i	860i	e5
✗	✗	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓



A423161



A423091

Tie down bracket on wheel hub

The bracket makes it easier to tie down the loader on a trailer, truck etc. Two models: for 6-bolt wheel hub and for 5/10-bolt wheel hub.

6-bolt wheel hub	A423161
5 and 10 bolt wheel hub	A423091

220	225	423	523	528	530	630	635	640	645i	650i	735	755i	760i	860i	e5
✗	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓



Standard



Option



Not available



Tie down bracket in the rear/on the sides

A simple bracket, that makes it easier to tie down the machine during transport. Fits either to the back of the machine or to the side of the rear frame. Can be mounted also between rear frame and trailer coupling or to rear back weight with handle, which allows the use of it even if a trailer coupling is mounted.

400-800 and e series

A418746

220	225	423	523	528	530	630	635	640	645i	650i	735	755i	760i	860i	e5
✗	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓



Lifting kit, for machines with ROPS frame

The kit includes all necessary slings and instructions for lifting a loader equipped with ROPS frame.

200-800 and e series

A418706

220	225	423	523	528	530	630	635	640	645i	650i	735	755i	760i	860i	e5
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓



Lifting kit, for machines with cab LX/DLX

The kit includes all necessary lifting chains, hooks, brackets and instructions for lifting a loader equipped with cab LX/DLX.

500-735

A417352

220	225	423	523	528	530	630	635	640	645i	650i	735	755i	760i	860i	e5
✗	✗	✗	✓	✓	✓	✓	✓	✓	✗	✗	✓	✗	✗	✗	✗



Weather cover

Weather cover protects the cockpit against rain, snow, dust and dirt. The weatherproof cloth covers the entire instrument panel, steering wheel and driver's seat. The weather cover is delivered with an integrated pouch where the cover can be wrapped when not in use.

200 series 65435
400-800 and e series 65436

220	225	423	523	528	530	630	635	640	645i	650i	735	755i	760i	860i	e5
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓



Transport cover

Protects the entire Avant loader during transports on an open trailer or truck. The material is black, robust and all-weather proof fabric which keeps the machine safe from rain, snow and dirt. Comes with a durable pouch.

200 series 65477
400-600- and e series 65478
700 series 65479

220	225	423	523	528	530	630	635	640	645i	650i	735	755i	760i	860i	e5
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✓



Loading ramps

The lightweight and durable aluminium ramps are easy to handle and they stay clean thanks to the open grid design.

Max. load is 4960 lb.

Loading ramps 65447

220	225	423	523	528	530	630	635	640	645i	650i	735	755i	760i	860i	e5
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✓



Standard



Option



Not available



Adapter cable 12V

Connection cable, mounts on the 12V outlet on 400-800 series and 200 series 1. Equipped with a connector where you can connect a cigarette lighter plug, for instance when using a mobile phone charger.

Adapter cable 12V

65645

220	225	423	523	528	530	630	635	640	645i	650i	735	755i	760i	860i	e5
✗	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓



Adapter plug 12V

Adapter plug to 12V outlet, mounts both on the smaller 12V outlet on 400-800 series and on the bigger outlet on 200 series 2. You can connect the electric wires of any 12V electric appliance (for instance a battery charger) to this adapter. Requires therefore some electrician skills.

Adapter plug 12V

66286

220	225	423	523	528	530	630	635	640	645i	650i	735	755i	760i	860i	e5
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓



Battery pack e5

Complete battery pack for Avant e5, AGM battery, 285 Ah, 48V.

Battery pack e5

A432383

220	225	423	523	528	530	630	635	640	645i	650i	735	755i	760i	860i	e5
✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✓



Standard



Option



Not available

Extra 12V power kit, e series



Avant e series is equipped with a 48V electric system; in addition there is a 12V power supply which feeds electricity e.g. to the standard 12V front lights and the optional work light kits and which is operational only when the electric system of the loader is activated with the ignition switch. There are however some options for e series which require constant 12V electric current: for instance the emergency blinkers in the road traffic light kit must function also when the electric system is deactivated. For this there is an extra 12V power kit available as an option for e series. It consists of a 12V/2.9Ah battery and a 12V power supply. The power supply takes care of the normal 12V current needs and the battery is needed to supply power for short peak currents (e.g. when several 12V appliances are activated at the same time) and constant current to the road traffic light kit. The extra power kit is necessary with the A434812 road traffic light kit, and it is recommended also when e series is fitted with attachments which are equipped with a 12V electric device, e.g. an electric actuator.

Extra 12V power kit

A441250

220	225	423	523	528	530	630	635	640	645i	650i	735	755i	760i	860i	e5
✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✓

Rapid battery charger, e5



The rapid charger and stand is included with each e5 as standard equipment. An extra charging station is available as an option for either an additional site or if the original station becomes damaged. The rapid charger is mounted in a stand so that it is easy to move when necessary. The stand is equipped with the Avant quick attach bracket in the rear so it can easily be moved with the e5, forklift brackets in the bottom, and lifting lugs on top if it needs to be lifted by a crane. The charging station requires a 480V/3 phase connection for the US or a 600V/3 phase connection for Canada.

AGM Battery Charger 12V

Charging station without charger

ESe5Charge

A438332

220	225	423	523	528	530	630	635	640	645i	650i	735	755i	760i	860i	e5
✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	Ⓢ



Standard



Option



Not available



General bucket

Avant general buckets are designed so that the operator can see the front edge of the bucket from the driver's seat, which means quick and easy loading and emptying. There are no reinforcement plates inside the bucket which would interfere when loading and emptying, and the sides open forward in a slight angle which guarantees easy and complete emptying of all kinds materials.

Length of the bucket has been optimized in order to give best possible breakout force. Sides open forward in a slight angle which guarantees easy and complete emptying of all kinds materials.

There are narrow holes at the upper end of the bucket which improve visibility and prevent stones from falling towards the operator.

Available with straight edge and with teeth.
Teeth protection plate is also available.

- ✓ **All round bucket, suitable for almost every shovelling job**
- ✓ **Excellent visibility to the edge of the bucket**
- ✓ **No reinforcement plates inside the bucket – easy filling and emptying**
- ✓ **High breakout force**
- ✓ **Strong cutting edge made of high tensile, abrasion resistant wear steel**



Option:

Teeth protection plate 41.3 in A417347
Teeth protection plate 45.3 in A420132
Teeth protection plate 51.2 in A417320

Width	Edge	Struck Capacity	Heaped Capacity	Weight	Product no
35.4 in	Straight	5.3 cu ft	6.7 cu ft	137 lb	A36711
35.4 in	Teeth	5.3 cu ft	6.7 cu ft	159 lb	A36716
41.3 in	Straight	4.2 cu ft	5.3 cu ft	110 lb	A36702*
41.3 in	Straight	6.7 cu ft	8.5 cu ft	161 lb	A36710
41.3 in	Teeth	6.7 cu ft	8.5 cu ft	183 lb	A36780
45.3 in	Straight	7.4 cu ft	9.2 cu ft	172 lb	A36709
45.3 in	Teeth	7.4 cu ft	9.2 cu ft	201 lb	A36779
51.2 in	Straight	8.5 cu ft	10.6 cu ft	190 lb	A36698
51.2 in	Teeth	8.5 cu ft	10.6 cu ft	216 lb	A36778
53.1 in	Straight	8.5 cu ft	10.9 cu ft	199 lb	A36996
53.1 in	Teeth	8.5 cu ft	10.9 cu ft	225 lb	A36997

* A36702 is the general bucket for 200 series 2 – the dimensions and weight match the lift capacity of 200 series 2. Wider general buckets can be used on 200 series 2 as light material bucket.

220	225	423	523	528	530	630	635	640	645i	650i	735	755i	760i	860i	e5
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	–	–	–	✗	✓

✓ Compatible – Not recommended ✗ Incompatible

Heavy duty general bucket

Avant heavy duty general buckets are available starting from a width of 51 in. They are made of stronger materials, they are heavier and have more capacity than standard general buckets. This makes them ideal tools for harder earthmoving and material handling jobs, and the HD buckets are best suited for Avant 600, 700 and 800 series.

Other features are the same as on standard general buckets: good visibility to the edge of the bucket, the inside of the bucket is completely plain and the sides open forward in a slight angle which guarantees easy and complete filling and emptying of all kinds of materials.

- ✓ **Heavy duty bucket for more demanding earthmoving and material handling jobs**
- ✓ **Excellent visibility to the edge of the bucket**
- ✓ **No reinforcement plates inside the bucket – easy filling and emptying**
- ✓ **High breakout force**
- ✓ **Strong cutting edge made of high tensile, abrasion resistant wear steel**

Width	Struck Capacity	Heaped Capacity	Weight	Product no
51.2 in	10.9 cu ft	13.1 cu ft	278 lb	A36713
57.1 in	12.4 cu ft	14.8 cu ft	304 lb	A36712
63.0 in	13.8 cu ft	16.2 cu ft	331 lb	A36535
63.0 in XL	15.2 cu ft	21.2 cu ft	419 lb	A437578

220



225



423



523



528



530



630



635



640



645i



650i



735



755i



760i



860i



R35



e5



Compatible



Not recommended



Incompatible



Light material bucket

Light material buckets are intended for handling of light materials including snow, saw dust, manure, mulch, etc.

The bottom of a light material bucket is considerably longer and the sides are higher than on a general bucket, which speeds up the work a lot. There are no reinforcement plates inside the bucket which would interfere when loading and emptying, and the sides open forward in a slight angle which guarantees easy and complete emptying of all kinds materials.

- ✓ **Fast and easy moving of light materials**
- ✓ **Excellent visibility to the edge of the bucket**
- ✓ **No reinforcement plates inside the bucket – easy filling and emptying**
- ✓ **High back of the bucket prevents material from falling over the rear edge and guarantees high volume**
- ✓ **Strong cutting edge made of high tensile, abrasion resistant wear steel**



Width	Struck Capacity	Heaped Capacity	Weight	Product no
45.3 in	12.0 cu ft	15.2 cu ft	276 lb	A36715
51.2 in	13.8 cu ft	17.5 cu ft	298 lb	A36714

XL light material bucket

XL light material bucket is a large capacity bucket, best suited to Avant 600, 700 and 800 series. It is intended for loading and transporting of light materials like wood chips, mulch, snow etc. There are no reinforcement plates inside the bucket which would interfere when loading and emptying, and the sides open forward in a slight angle, which guarantees easy and complete emptying of all kinds of materials and in difficult conditions also.

- ✓ **Large volume**
- ✓ **No reinforcement plates inside the bucket**
- ✓ **Robust design**
- ✓ **Intended for bigger Avant loaders**
- ✓ **XXL bucket available for 800 series**

Width	Struck Capacity	Heaped Capacity	Weight	Product no
57.1 in	19.8 cu ft	25.1 cu ft	342 lb	A36703
63.0 in	21.5 cu ft	27.5 cu ft	585 lb	A36476
71.0 in	24.7 cu ft	31.8 cu ft	617 lb	A36343

XXL light material bucket for 800 series:

Width	Struck Capacity	Heaped Capacity	Weight	Product no
71.0 in	37.1 cu ft	45.9 cu ft	562 lb	A437601
78.7 in	41.3 cu ft	51.2 cu ft	606 lb	A435096

New



	220	225	423	523	528	530	630	635	640	645i	650i	735	755i	760i	860i	e5
XL	✗	✗	✗	—	—	—	✓	✓	✓	✓	✓	✓	✓	✓	—	—
XXL	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	—	—	—	✓	✗



Compatible



Not recommended



Incompatible



4 in 1 bucket

Efficient multi purpose bucket - can be used as a normal bucket as well as a dozer blade, leveler or a grab. 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. Another benefit of the opening bottom is that the bucket can be emptied at a higher level by opening the bottom instead of tipping the bucket edge down.

Available with straight edge or with teeth.

- ✔ All round tool for landscaping and groundcare
- ✔ A versatile bucket suitable for many different jobs at different stages on the work site



Edge	Width	Struck Capacity	Heaped Capacity	Weight	Product no
straight	43.3 in	5.5 cu ft	7.8 cu ft	335 lb	A21245
straight	50.4 in	6.0 cu ft	8.5 cu ft	386 lb	A21156
straight	57.1 in HD	7.2 cu ft	10.6 cu ft	540 lb	A428472
straight	63.0 in HD	8.1 cu ft	11.8 cu ft	567 lb	A36906
straight	71.0 in HD	9.2 cu ft	13.1 cu ft	630 lb	A446413
teeth	43.3 in	5.5 cu ft	7.8 cu ft	357 lb	A21249
teeth	50.4 in	6.0 cu ft	8.5 cu ft	408 lb	A21184
teeth	57.1 in HD	7.2 cu ft	10.6 cu ft	567 lb	A428508
teeth	63.0 in HD	8.1 cu ft	11.8 cu ft	610 lb	A37248
teeth	71.0 in HD	9.2 cu ft	13.1 cu ft	661 lb	A446873

Option:
 Teeth protection plate 45.3 in A420132
 Teeth protection plate 51.2 in A417320
 Teeth protection plate 57.1 in A417321
 Teeth protection plate 63.0 in A419977
 Teeth protection plate 71.0 in A446914



High tip bucket

High tip bucket is the right choice when you need to reach higher and longer. The bucket is equipped with a hydraulic cylinder that pushes and tips the bucket over its front edge, which gives considerably more tipping height than with a normal bucket.

Maximum tipping height with telescopic boom on 400, 500 and 600 series 124" and on 700 series 138" and on 800 series as high as 157".

- ✔ High tipping height
- ✔ Excellent for loose and light material loading



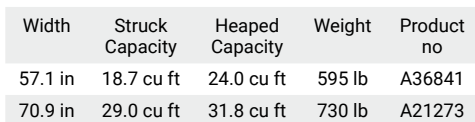
Width	Struck Capacity	Heaped Capacity	Weight	Product no
41.3 in	5.3 cu ft	6.7 cu ft	284 lb	A2631
50.4 in	12.4 cu ft	14.8 cu ft	353 lb	A2824

- 220
- 225
- 423
- 523
- 528
- 530
- 630
- 635
- 640
- 645i
- 650i
- 735
- 755i
- 760i
- 860i
- e5



Tippling of the bucket happens with two hydraulic cylinders – this means emptying is easy also with full load in the bucket. There are no reinforcement plates inside the bucket which would interfere when loading and emptying. This means filling the bucket requires less power and all kinds of materials come out of the bucket completely when emptying.

- ✔ **Large volume bucket for efficient loading of light materials**
- ✔ **Tipping height as high as 157 in (with 800 series)**
- ✔ **No reinforcement plates inside the bucket – efficient filling and emptying of the bucket**



Grapple bucket combines a normal bucket and a grapple and is therefore suitable for a multitude of jobs. It can be used for the transporting and loading of branches., wood chips, compost, straw, manure, construction waste etc. It can also be used as a normal bucket with the grapple in the upright position.

-

Width	Weight	Product no
35.4 in	287 lb	A36304
41.3 in	322 lb	A36316
51.2 in	370 lb	A36323

Width	Weight	Product no
51.2 in	595 lb	A441963
57.0 in	635 lb	A441946
63.0 in	672 lb	A439086

53



Demolition grapple bucket

The demolition grapple bucket with two hydraulic grapples (51.2 in and 42.5 in) or one (35.4 in) is strong and versatile attachment for handling of construction and demolition waste. Hydraulic cylinders and hoses & fittings are well protected against falling debris.

✔ **Versatile bucket with two hydraulic grapples (51.2 in and 42.5 in) or one (35.4 in), for demolition, construction and tree care industry**



Width	Weight	Product no
35.4 in	342 lb	A441014
42.5 in	465 lb	A37465
51.2 in	502 lb	A37535

✔

Compatible

—

Not recommended

✖

Incompatible



Levelling bucket

Avant levelling buckets are built with heavy duty construction in mind. Levelling bucket has a sharp back edge which makes levelling easy when driving backward. Other features include a longer bottom, which enables the driver to see the tip of the bucket perfectly. This also makes levelling easier. The new levelling buckets are stronger and without requiring reinforcement bars inside, which makes filling and emptying easier. They are also larger than the earlier models.

- ✓ Excellent visibility to tip of bucket
- ✓ Sharp back edge enables exact levelling when driving backward
- ✓ Heavy duty design
- ✓ Larger 63.0 in and 70.9 in XL buckets intended especially for 700 and 800 series



Width	Struck Capacity	Heaped Capacity	Weight	Product no
57.1 in	8.8 cu ft	13.4 cu ft	386 lb	A36717
63.0 in	9.9 cu ft	14.8 cu ft	419 lb	A36706
63.0 in XL	14.7 cu ft	20.8 cu ft	507 lb	A445616
70.9 in XL	16.4 cu ft	23.5 cu ft	551 lb	A443761

	220	225	423	523	528	530	630	635	640	645i	650i	735	755i	760i	860i	e5
Std.	✗	✗	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
XL	✗	✗	✗	—	—	—	—	—	—	—	—	✓	✓	✓	✓	—
	✗ Incompatible			✓ Compatible			— Not recommended			✗ Incompatible						



Pallet fork

Avant pallet fork is the right attachment for lifting and handling of different types of materials on pallets. Fork width can easily be adjusted thanks to the quick lock mechanism. The forks are made of high tensile forged steel and designed in accordance with the ISO2330 standard.

Avant is an excellent machine for load handling thanks to the precise steering and drive control. Compared to a conventional forklift truck Avant is superior all terrain year round loader.

- ✓ **Excellent field of vision both to the attachment and to the environment makes working with pallet forks precise and easy**
- ✓ **A useful attachment for all material handling jobs**
- ✓ **Can be tilted sideways and rotated with the optional tilt adapters and attachment rotator (see page 174)**



Option:
Bolt on back frame A36346
Rotation support, adjustable A441445
(prevents boxes from falling from the pallet fork when rotating & emptying them with the attachment rotator A424406)

Model	Fork length	Max. load	Weight	Product no
Regular	33.5 in	2200 lb	198 lb	A21047
Long	43.3 in	3100 lb	255 lb	A21039
XHD	47.2 in	4400 lb	310 lb	A36589

- 220

✓
- 225

✓
- 423

✓
- 523

✓
- 528

✓
- 530

✓
- 630

✓
- 635

✓
- 640

✓
- 645i

✓
- 650i

✓
- 735

✓
- 755i

✓
- 760i

✓
- 860i

✓
- e5

✓



Pallet fork with side shift

Hydraulic fork adjustment on the pallet fork makes it possible to move the forks further apart or closer together easily and comfortably from the driver's seat. The forks can also be moved to the left or to the right, making it possible to shift the load to the side of the machine. All functions can be operated from the driver's seat. Pallet fork is equipped as standard with a bolt-on back frame which allows handling of larger loads and protects the driver from falling objects.

- ✓ Hydraulic side shift and fork width adjustment
- ✓ Bolt-on back frame as standard
- ✓ Two models available, with 43.3 in or 47.2 in forks, max. load 4410 lb on both



Model	Standard	XL
Fork length	43.3 in	47.2 in
Max. load	4410 lb	4410 lb
Frame width	43.9 in	61.0 in
Weight	419 lb	496 lb
Product no	A449516	A442071

The optional Opticontrol® is recommended on the loader.

	220	225	423	523	528	530	630	635	640	645i	650i	735	755i	760i	860i	e5
Std.	✗	✗	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
XL	✗	✗	✗	—	—	—	—	—	—	—	—	✓	✓	✓	✓	—



Skip bucket

The skip buckets can be transported and emptied easily with Avant. The bucket can be equipped with castor wheels. Which allows the bucket to be moved and filled by hand effortlessly. A full bucket can then be taken away and emptied with Avant.

- ✓ **Replace the waste bins on the site with the skip bucket – loading, transporting and emptying of the bucket is very easy with Avant**
- ✓ **Castor wheels available as an option (solid plastic wheels or pneumatic tires)**
- ✓ **Supports instead of wheels available as an option – they raise the rear and lower the front of the bucket by approx. 3.5 in, which makes it easier to empty e.g. a wheelbarrow into the bucket**



Width	Volume	Weight	Product no
34.6 in	22.2 cu ft	254 lb	A36588
50.4 in	33.5 cu ft	320 lb	A36595

Options:

A418506 Castor wheels, 4 pcs (will increase bucket height by 6.5 inches)

A420800 Castor wheels, pneumatic tires, 4 pcs will increase bucket height by 9.3 inches)

A420537 Supports, 4 pcs

A421005 Lifting brackets, 4 pcs

220	225	423	523	528	530	630	635	640	645i	650i	735	755i	760i	860i	e5
✗	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓



Compatible



Not recommended



Incompatible



Jib boom

The jib boom is equipped with a rotating lifting hook. Maximum lifting height to the tip of the jib boom, with the telescopic boom of the loader extended, is about 177" (800 series).

- ✓ **Economical attachment, suitable for many different lifting jobs**
- ✓ **Connecting points on the boom increase lifting safety**



Lifting point distance from attachment plate	47.2 in
Total length	51.2 in
Width	21.7 in
Height	12.4 in
Weight	75 lb
Rated max load	1100 lb
Product no	A428481

220	225	423	523	528	530	630	635	640	645i	650i	735	755i	760i	860i	e5
✗	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
<div> <div>✓ Compatible</div> <div>— Not recommended</div> <div>✗ Incompatible</div> </div>															

Telescoping jib boom

The hydraulically telescoping jib boom is a very efficient and versatile tool in all lifting jobs on the work site. The smoothly extending and retracting boom allows lifting to places that would otherwise be very hard to reach. Compact design with telescoping cylinder inside the boom makes work safe and easy.

The jib boom is equipped with a rotating lifting hook and durable wear pads on the outer boom.

- ✓ **Excellent outreach, as much as 134" from the front wheels**
- ✓ **Max. lift height with 800 series as high as 205"**
- ✓ **Versatile lifting attachment for various load handling jobs**

Max. boom length	74.8 in
Min. boom length	51.2 in
Max. lifting height*	205 in
Max load Avant 800 series*	1102 lb
Max load Avant 700 series*	880 lb
Max load Avant 600 series*	660 lb
Max load Avant 500 series*	550 lb
Max. outreach*	134 in
Weight	243 lb
Product no	A21342

* Both the telescopic boom of the loader and the jib boom extended to max. outreach.

220



225



423



523



528



530



630



635



640



645i



650i



735



755i



760i



860i



e5



Compatible



Not recommended



Incompatible



Hydraulic trailer hitch

The hydraulic trailer hitch features hydraulic height adjustment of the ball hitch, which makes it easier to connect trailers in varying heights and ground conditions. The hitch is equipped with both ball and a towing pin.

Attention: Requires double acting rear auxiliary hydraulics outlet on the loader.

- ✓ **Equipped with 2 inch ball hitch/ towing pin**
- ✓ **9.8 in vertical hitch height adjustment**
- ✓ **Hydraulic cylinder equipped with lock valve**
- ✓ **Can be mounted on 400-800 series**

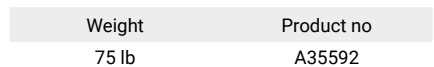


Height adjustment	hydraulic, 9.8 in
Weight	66 lb
Product no	A36518

220	225	423	523	528	530	630	635	640	645i	650i	735	755i	760i	860i	e5
✗	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗
<div> <div>✓ Compatible</div> <div>— Not recommended</div> <div>✗ Incompatible</div> </div>															

An easier way to move trailers. thanks to the perfect visual of the ball hitch it is very easy to couple a trailer by just driving the ball under the trailer and locking it in the coupling by lifting the boom of the loader.

- ✔ **Easier way to couple to and move trailers etc. with Avant**
- ✔ **Best possible field of vision to the trailer enables very precise handling in tight situations**
- ✔ **Easy and fast to mount on Avant**



- 220 ✓
- 225 ✓
- 423 ✓
- 523 ✓
- 528 ✓
- 530 ✓
- 630 ✓
- 635 ✓
- 640 ✓
- 645i ✓
- 650i ✓
- 735 ✓
- 755i ✓
- 760i ✓
- 860i ✓
- e5 ✓



Beehive mover

Avant beehive mover is intended for loading and transporting of beehive boxes, but it can handle other objects like cardboard boxes as well. The mover can carry as many as 12 beehives at a time. It consists of a mast, a pallet fork that is mounted on the lower end of the mast, and a hydraulic grapple at the upper end of the mast which presses the boxes against the pallet fork. The grapple is equipped with rubber pads which hold the beehives firmly but gently.

The beehive mover can be mounted on all Avant loaders, and if the beehives need to be transported longer distances by truck it is easy to take the Avant on the truck as well and unload and move the beehives at the destination.

The grapple can be set to five different heights between 16.7 - 53.7 in following the height of the load, and the vertical movement of the grapple is 13.4 in. Distance between the rubber pads can be set manually to four different widths between 11.0 - 28.7 in. Max. load on the beehive mover is 2200 lb and max. pressing force is 4000 lb, which means it can handle other materials that are on pallet as well. Especially lighter boxes and similar objects which don't stay on the pallet without support are easy to handle with the beehive mover.



- ✓ **Fast and easy way to load and transport beehive boxes**
- ✓ **Can handle also cardboard boxes and similar objects**
- ✓ **Mounts on all Avant loaders**
- ✓ **Also available with 43.3 in A21039 or 47.2 in A36589 pallet forks**

Max. load	2200 lb
Max. pressing force	4000 lb
Pallet fork length	33.5 inch
Grabbing width	11.0 - 28.7 inch (four widths can be set manually)
Grapple height	16.7 – 53.7 inch (five heights can be set manually)
Grapple cylinder stroke	13.4 inch
Height	76.8 inch
Width	39.4 inch
Length	37.8 inch
Weight	355 lb
Product number	A36935



Site toolbox

This robust and versatile toolbox mounts on the attachment coupling plate and can be transported with Avant to the worksite. The flat reinforced cover can be used as a workbench. A screw vice can be also be mounted on the box.

The lid is equipped with gas springs and can be locked with a pad lock. Four lifting lugs are mounted with bolts on the sides. They can also be removed if necessary. The box is also equipped with lifting brackets for forklift.

The box holds many handheld tools inside. It keeps tools in good order and is easy to lift to the back of a van or to a safe place for the night or can be locked to Avant.

- ✓ **Spacious, lockable box for e.g. handheld tools**
- ✓ **Easy to lift and transport with Avant loader**
- ✓ **Flat reinforced cover can be used as a workbench**
- ✓ **Can be equipped with a screw vice**



Volume	19.4 cu ft
Weight	353 lb
Product no	A21689

- | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|-----|------|------|------|----|
| 220 | 225 | 423 | 523 | 528 | 530 | 630 | 635 | 640 | 645i | 650i | 735 | 755i | 760i | 860i | e5 |
| ⊖ | ⊖ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |



Equipped with hydraulic blade rotation, Avant dozer is the ideal tool for snow removal, earthmoving and similar jobs where the materials must be dozed away. The blade has a spring release mechanism which protects the blade and operator in the event that it hits an obstacle.

- ✔ **Economical dozer blade, well suited for snow removal**
- ✔ **Spring release mechanism for improved safety**
- ✔ **Two solid skid shoes as standard—reduces blade wear and improves maneuverability**
- ✔ **Ice cutting edge and plastic edge available as an option**

Blade width	55 in
Slewing angle	±30 °
Weight	275 lb
Blade height	15 in
Product no	A36649

Stopper plates, kit (locking of blade's spring release) A443915



Dozer blade 2000/2500

Equipped with hydraulic blade turning, Avant dozer blade is the ideal tool for snow removal, earthmoving and similar jobs where the materials must be dozed away quickly. Dozer blade 2000/2500 features a completely new design. The blade is higher and more curved than earlier and moves material more efficiently to the side. Hydraulic slewing, spring release and skid shoes are standard equipment designs. So are the turnable 2x12.2 in extensions which can be mounted in straight or collecting position. The completely new floating system allows the blade to float vertically, which makes working on uneven surfaces considerably easier and more efficient. The blade can also float sideways $\pm 10^\circ$. The floating system can be adjusted manually in three different positions:

- 1) Free floating – both vertically and sideways
- 2) Sideways floating $\pm 10^\circ$ only, without vertical floating
- 3) Rigid position – both vertical and sideways floating locked with bolts

Options Dozer blade 2000:

A417437 Ice cutting edges, kit, for main blade and extensions

A417441 Plastic edges, kit, for main blade and extensions

A417345 Support wheels, 2 pcs

Options Dozer blade 2500:

A417729 Ice cutting edges, kit, for main blade and extensions

A417672 Plastic edges, kit, for main blade and extensions

A417345 Support wheels, 2 pcs

- ✓ **Two solid skid shoes which reduce blade wear and improve maneuverability**
- ✓ **Robust construction, with spring release mechanism designed for professional use**
- ✓ **Turnable extensions is standard, can be mounted in collection position or straight**
- ✓ **Support wheels, instead of skid shoes, available as an option – keep working height more constant when working on sensitive surfaces**

Model	2000	2500
Blade width	54.7 in main blade + 2x12.2 in bolt-on extensions	72.4 in main blade + 2x12.2 in bolt-on extensions
Slewing angle	$\pm 30^\circ$	$\pm 30^\circ$
Weight	474 lb	511 lb
Blade height	23.2 in	23.2 in
Product no	A36123	A36251

	220	225	423	523	528	530	630	635	640	645i	650i	735	755i	760i	860i	e5
2000	✗	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
2500	✗	✗	–	–	–	–	✓	✓	✓	✓	✓	✓	✓	✓	✓	–



Compatible



Not recommended



Incompatible



Snow plow

Avant snow plow is a versatile attachment for snow removal. It consists of two independently hydraulically adjustable blades. Angle of the blades is be adjusted with a switch from the driver's seat. Both blades have a spring release mechanism in the lower part of the blade to prevent any sudden stop should the blade hit an obstacle. The floating mechanism on the mounting bracket guarantees that the blade follows ground as well as possible.

The snow plows feature:

- Vertical floating system
- Well curved blade – moves snow efficiently to the side
- Support legs with skid shoes as standard
- Curved flat cutting edge with standard 12 in hole distance; made of high tensile, abrasion resistant wear steel



Option:

- Ice scraper edges, kit, snow plow V1600 A453070
- Ice scraper edges, kit, snow plow V1800 A36817
- Ice scraper edges, kit, snow plow V2400 A36818
- Plastic edges, snow plow V1600 A453068
- Plastic edges, snow plow V1800 A37173
- Plastic edges, snow plow V2400 A37171

- ✓ **Versatile snow removal tool for professional use**
- ✓ **Two independently controllable blades: can be adjusted in straight, V or Y position**
- ✓ **Advanced floating system allows working on uneven surfaces as well**

Model	V1600	V1800	V2400
Blade width	51.6-63.0 in	59.4-72.4 in	79.5-96.5 in
Total width (with curved end flat edge/ice scraper blade)	54.0-65.4 in	61.8-74.8 in	81.9-98.8 in
Blade turning angle	±35 °	±35 °	±35 °
Weight	483 lb	728 lb	860 lb
Blade height	29.0 in	30.3 in	30.3 in
Product no	A451470	A36795	A36796

The optional Opticontrol® is required on the loader if blades wanted to be controlled independently (requires also 6 or 8 function joystick on the loader).

	220	225	423	523	528	530	630	635	640	645i	650i	735	755i	760i	860i	e5
V1600	✗	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	—	—	—	—	✓
V1800	✗	✗	—	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
V2400	✗	✗	✗	—	—	—	✓	✓	✓	✓	✓	✓	✓	✓	✓	—



Flipper bucket

Flipper bucket is designed for clearing snow in large areas or in areas where snow must be moved long distances. Thanks to the two hydraulically operated side wings the bucket is extremely versatile in snow clearing and can be operated in smaller areas as well without problems.

With the flipper bucket you can move a very large quantity of snow in one push. Because the wings fold out slightly forward from the sides, you can push 2-3 times the capacity of the bucket between the wings. With the optional Opticontrol® the two wings can be turned independently or simultaneously. This makes the bucket easy to control also in narrow or tight areas.

- ✓ **Large volume bucket, 28 cu ft**
- ✓ **Equipped with two hydraulically operated side wings**
- ✓ **Max. working width over 118"**
- ✓ **With the optional Opticontrol® the two wings can be turned independently or simultaneously**



Option:
Ice scraper edges, kit A436345
Wear plates, kit A435499

Volume	28 cu ft
Width	70.9 - 118.5 in
Weight	720 lb
Product no	A435885

The optional Opticontrol® is required on the loader if wings wanted to be controlled independently (requires also 6 or 8 function joystick on the loader).

220	225	423	523	528	530	630	635	640	645i	650i	735	755i	760i	860i	e5
✗	✗	✗	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	—

✓ Compatible
— Not recommended
✗ Incompatible



The mounting frame of the zoom snow plow is the same as on the 2000 and 2500 dozer blades. It allows a $\pm 10^\circ$ vertical floating which can be locked if necessary. The plow is also equipped with $\pm 30^\circ$ hydraulic blade turning. Ice cutting edge is standard equipment.

- ✔ **Hydraulically extendable dozer blade allows snow removal also in smaller yards, on parking lots etc.**
- ✔ **Equipped with two wings which can be extended and retracted independently or both at the same time**
- ✔ **Seamlessly adjustable working width between 53.2" – 92.5"**
- ✔ **Hinged, foldable end plates for efficient snow collecting and moving**
- ✔ **Hydraulic blade turning $\pm 30^\circ$ and vertical floating $\pm 10^\circ$**

Working width	53.2 in – 92.5 in
Max width	57.5 in – 96.9 in
Max length	39.1 in
Blade turning angle	± 30°
Vertical floating angle	± 10°
Weight	1180 lb
Product no	A425180

Option:	
Ice scraper edges, kit	A437890
Straight cutting edge	A437891
Rubber edge	A431475

U plow

U plow is a professional tool for fast and efficient snow removal. It consists of a 72.0 in wide main blade and two side blades which can be turned $\pm 85^\circ$ hydraulically. This allows access through narrow gates and yards, and on the other hand the max. 118.1 in working width with the side blades extended guarantees fast cleaning of larger areas. Collecting and pushing of large amounts of snow is also easy with the side blades turned into "U" position.

The plow is equipped with strong springs which allow the blade to give in backward in case it hits an obstacle, like a lid of well. In this case the plow jumps over the obstacle and the spring returns the blade back to plowing position. The plow is also equipped with $\pm 7.5^\circ$ horizontal floating and two skid shoes as standard. There are also four round reflectors on the edges of the main blade and the side blades.

Minimum working width is 63.0 in with the side blades turned completely to the back, and max. 118.1 in with side blades straight. Turning of the plow happens with two hydraulic cylinders; turning angle is $\pm 35^\circ$. Side blades can be turned independently or simultaneously with the switches of the optional Opticontrol® attachment control switch pack. The plow is equipped with an ice scraper cutting edge as standard, straight cutting edge is available as an option. In addition, an outline marker lamp kit (4 pcs lamps on the edges of the main blade and the side blades) is available as an option instead of the standard round reflectors.

Option:

Straight cutting edge, kit

A442738

Outline marker lamps, kit

A442768

- ✓ **Versatile snow plow for professional use**
- ✓ **Equipped with two side blades with $\pm 85^\circ$ hydraulic turning**
- ✓ **Spring loaded blade gives in and the plow jumps over an obstacle in case of contact**
- ✓ **Variable working width 63.0 – 118.1 in allows working also on narrow driveways, yards etc.**
- ✓ **Ice scraper cutting edge as standard, straight edge available as an option**

Working width	63.0 in – 118.1 in
Total width	122.3 in
Length	44.6 in
Blade height	29.5 in
Weight	1300 lb
Plow turning angle	$\pm 35^\circ$
Side blade turning angle	$\pm 85^\circ$
Standard cutting edge	ice scraper edge
Product no	A438439

The optional Opticontrol® is required on the loader.

220	225	423	523	528	530	630	635	640	645i	650i	735	755i	760i	860i	e5
×	×	×	×	×	×	×	×	×	×	×	✓	✓	✓	✓	×



Compatible



Not recommended



Incompatible



Ice rink scraper blade

The ice rink scraper blade is designed only for the maintenance of ice hockey and skating rinks. Thanks to the large 118 inch working width and hydraulic turning of the blade cleaning of the rink is fast and easy. The sharp and curved blade moves away the ice and snow quickly and efficiently.

- ✓ **Fast and easy ice and snow removal on ice hockey and skating rinks**
- ✓ **Rubber roller bumper at the right end of the blade protects the blade and the rink when working close to the wall of the ice hockey rink**
- ✓ **Large 118 inch working width**
- ✓ **Hydraulic blade turning $\pm 30^{\circ}$**



Width	118 in
Height	28.4 in
Length	30.5 in
Blade turning	$\pm 30^{\circ}$
Weight	320 lb
Product no	A37346

Snow blower

Avant snow blower is an efficient snow removal tool with advanced technology. The frame and discharge chute are designed so that there are as little as possible passive surfaces which would prevent snow movement. The Avant design works well both with dry and wet snow and clears compacted snow banks also. The feeding auger is made of wear-resistant Hardox steel.

The blower is equipped with two hydraulic motors: one for the auger and one for the discharge impeller. The new type hydraulic motor on the impeller improves the efficiency of the blower considerably. Snow discharge can be directed accurately: the discharge chute can be rotated 270° electrically, operated from the driver's seat. Throwing height can be adjusted manually, electric throwing height adjustment is available as an option and requires the optional Opticontrol® on the loader.

Two working widths available: 42.3 in and 59.1 in.

- ✓ **Efficient high volume snow blower**
- ✓ **Works well both with dry and wet snow**
- ✓ **Equipped with two hydraulic motors: one for the auger and one for the discharge impeller**
- ✓ **Electric 270° discharge chute rotation as standard**
- ✓ **Exact snow discharge**
- ✓ **Manual throwing height adjustment as standard, electric adjustment available as an option**



Option:
Electric throwing height adjustment A430172

Working width	42.3 in	59.1 in
Total width	48.4 in	62.2 in
Frame height	26.8 in	26.8 in
Auger diameter	18.1 in	18.1 in
Chute rotation	270 °	270 °
Weight	530 lb	655 lb
Product no	A434731	A428062

The optional Opticontrol® is recommended on the loader. If the snow blower is equipped with the electric throwing height adjustment, it is required.

	220	225	423	523	528	530	630	635	635*	640	640*	645i	650i	735	755i	760i	860i	e5
1150	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	—	—	—	—	—
1500	✗	✗	✗	✗	✗	✗	—	✓	—	✓	—	✓	✓	—	✓	✓	✓	✗

* With Tier 4 Kubota V1505 engine



Compatible



Not recommended



Incompatible



Rotary broom

With three working models available, 1100, 1500 and 2000. The 1500 and 2000 brooms are equipped standard with power angling by electric actuator motor. This means angling the broom is easily and comfortably operated with a switch from the driver's seat.

With a floating mechanism the brush is resting on its bristles and the whole brush axle is floating freely. Support wheels are available as an option, for working on sensitive surfaces. The optional rubber lip is intended for snow removal: it limits and directs the snow spray. The broom is equipped with supports which can be extended when the broom is not in use, so that the broom rests on the supports and the nylon bristles doesn't get damaged during storage.

- ✓ Professional sweeper with manual or electric turning
- ✓ Free floating broom allows big vertical movement and guarantees excellent sweeping result
- ✓ Equipped with extendable supports for storage: nylon brush doesn't get damaged during storing

Option:
 Electric turning for rotary broom 1100, product no. A36112
 Poly replacement brush sections, product no. 64716
 Wire replacement brush sections, product no. 65888
 A35760 Support wheels for rotary broom
 A438900 Rubber lip, rotary broom 1100
 A438874 Rubber lip, rotary broom 1500
 A438914 Rubber lip, rotary broom 2000

Model	1100	1500	2000
Broom width	43.3 in	59.0 in	79.0 in
Total width	53.9 in	70 in	90 in
Boom diameter	21.7 in	21.7 in	21.7 in
Turning	manual	electric	electric
Turning angle	+/- 25 °	+/- 25 °	+/- 25 °
Weight	375 lb	440 lb	575 lb
Product no	A36067	A35284	A35583

The optional Opticontrol® is required on the loader for electric turning.

	220	225	423	523	528	530	630	635	640	645i	650i	735	755i	760i	860i	e5
1100	✓	✓	✓	✓	✓	✓	—	—	—	—	—	—	—	—	—	—
1500	✗	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	—
2000	✗	✗	✗	—	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗

Collecting broom 1100

The collecting broom 1100 is mainly intended for Avant 200, 400 and 500 series. Broom diameter is 19.7 in, it consists of 32 pcs brush segments which can be changed one by one. The broom is equipped with three support wheels and with Optifloat® quick attach system which allows both vertical and sideways floating of the broom and guarantees efficient sweeping also on uneven surfaces. Two indicator arrows on the Optifloat® quick attach bracket make adjustment of the floating very easy. Broom height can be adjusted manually, to compensate wear of the nylon bristles.

Collector box with 21 gal volume is mounted in front of the broom. Emptying of the box is hydraulic. Water spraying system for dust binding and one side brush are available as an option.

- ✓ **Intended mainly for 200, 400 and 500 series**
- ✓ **Equipped with Optifloat® → works well on uneven surfaces as well**
- ✓ **Broom height can be adjusted manually**
- ✓ **Collector box with hydraulic emptying in front of the broom, box volume 21 gallon**

Broom width	43.3 in
Total width	53.1 in
Broom diameter	19.7 in
Collector box volume	21 gal
Water tank volume	15.9 gal
Weight without side brush	695 lb*
Weight with 1 side brush	750 in*

* without water spraying system

Product no	Side brush	water spraying system
A36883	no	no
A426229	1 brush	no
A426231	1 brush	yes

The optional Opticontrol® is required on the loader with water spraying system

Options:

Water spraying system, with 15.9 gal water tank A37431

Side brush A35698

(Water spraying system and side brush not available for 200 series)

220



225



423



523



528



530



630



635



640



645i



650i



735



755i



760i



860i



e5



Compatible



Not recommended



Incompatible



Collecting broom 1500

The collecting broom 1500 is mainly intended for professional property maintenance companies, cities and municipalities. The broom has a heavy duty construction, floating brush axle, automatic brush wear compensation and a specially designed water spraying system for dust binding.

The broom is also well enclosed all around the main brush. This gives a better collection result, especially when turning with the machine. Another benefit from the enclosed construction is less dust formation.

The broom is equipped with three support wheels and with Optifloat® quick attach system which allows both vertical and sideways floating of the broom and guarantees efficient sweeping also on uneven surfaces. Two indicator arrows on the Optifloat® quick attach bracket make adjustment of the broom very easy.



Option:
Side brush A35698
Water spraying system A35642

Model	1500
Broom width	59.0 in
Total width	70.0 in
Boom diameter	21.7 in
Box emptying	Hydraulic (with two cylinders)
Box volume	7.1 cu ft
Water tank volume	32 gal
Weight without side brush	935 lb (without water spraying system)
Weight with 1 side brush	990 lb
Weight with 2 side brush	1050 lb

Product no	Side brush	water spraying system
A35602	no	no
A35918	1 brush	no
A35919	1 brush	yes

The optional Opticontrol® is required on the loader with water spraying system

220	225	423	523	528	530	630	635	640	645i	650i	735	755i	760i	860i	e5
✗	✗	✗	✗	—	—	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗
<div> <div>✓ Compatible</div> <div>— Not recommended</div> <div>✗ Incompatible</div> </div>															



Bucket broom

Bucket broom collects waste in a large bucket shaped box. The broom gives best sweeping result when reversing, but it also works when driving forward. Forward sweeping is especially recommended when the waste is larger in dimensions, for instance construction waste, beverage cups, tree leaves, etc.

The bucket broom is equipped with a floating mechanism which allows the bucket lip to rest against the ground freely. To empty the collector, first lift the broom up hydraulically, then the collector box can be emptied by tilting it down like a normal bucket.

The brush axle is equipped with a simple quick locking system for adjusting the sweeping height. A water spraying system for dust binding is also available.



Option:

Water spraying system for Bucket broom 1100	A35956
Water spraying system for Bucket broom 1500	A35807
Rubber blade brush for Bucket broom 1100	A436108
Rubber blade brush for Bucket broom 1500	A433868

- ✓ **Excellent sweeping result when driving backwards**
- ✓ **Suitable for collecting larger waste as well**
- ✓ **Large bucket shaped collector box**
- ✓ **Quick, hydraulic emptying**
- ✓ **Rubber blade brush available as an option, for collecting horse manure and similar material**

Model	1100	1500
Broom width	43.3 in	59.1 in
Total width	53.4 in	69.4 in
Box volume	13.1 cu ft	17.7 cu ft
Boom diameter	19.7 in	19.7 in
Water tank volume	31.7 gal	31.7 gal
Product no	A35945	A35689
Product no. with water spraying system	A36023	A36024

The optional Opticontrol® is required on the loader with water spraying system

	220	225	423	523	528	530	630	635	640	645i	650i	735	755i	760i	860i	e5
1100	✗	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	—	—	—	—	—
1500	✗	✗	✗	—	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗

✓ Compatible — Not recommended ✗ Incompatible



Updated

Push broom

The updated push brooms feature stronger bristles and a new layout: the broom consists of individual brush strips installed in five rows, which means they can be easily replaced if necessary.

The push broom is well suited for landscaping, tree care, and property maintenance job sites.

Optional short side brushes can be mounted on the ends of each broom preventing debris from escaping from either side.

There are several ways to attach the push broom on the loader. Standard way is to mount it on the attachment coupling plate of the loader. It is also possible to grab the broom with the root grapple, by first removing the standard mounting frame on the broom.

In addition, there are adapters available which allow grabbing the broom with silage fork and XL silage grab, or with timber grabs with rotator (A37456 and A37457). This makes working faster: for shorter sweeping jobs as it is not necessary to take off the silage fork or timber grab from the loader.

- ✓ **Economical and simple broom – consists of brush strips mounted in five rows**
- ✓ **No rotating parts → less dust when sweeping**
- ✓ **Well suited for all round sweeping, also for e.g. arborists for wood waste cleaning**
- ✓ **Side brushes and adapters for silage forks and timber grabs with rotator available as an option**

Width	47.2 in	59.1 in	78.7 in
Weight	117 lb	132 lb	159 lb
Product no	A449770	A437121	A36453

Option:

Side brushes	A447166
Adapter for silage forks	A447080
Adapter for timber grab with rotator	A449113

220	225	423	523	528	530	630	635	640	645i	650i	735	755i	760i	860i	e5
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓



High pressure washer

This washer combines low water consumption with high water flow and pressure. High pressure water washes dust, sand and debris out of asphalt, concrete and similar surfaces and doesn't emit dust after drying. Low water consumption makes it possible to clean larger areas with a single pass.

The washer series features three models with different water tank volumes: 73 gal on model S, 147 gal on model M and 221 gal on model L. All washers are equipped with both an angling nozzle bar for street cleaning and a handheld wand with 65 foot retractable hose reel.

Max. water flow and pressure on models S and M are as high as 7 gal/min and 2900 PSI, and on the largest model L the 13 gal/min max. water flow and 3190 PSI pressure make it a very efficient cleaning machine.

Nozzle bar angling is hydraulic on models M & L, operated from the driver's seat. Model S is equipped with manual angling.

- ✓ **Efficient high pressure washers, equipped with both a nozzle bar for street cleaning and with a handheld washing gun**
- ✓ **Three models: S, M and L with water tank volumes of 73 gal, 147 gal and 221 gal respectively**
- ✓ **Models M & L equipped with hydraulic nozzle bar turning for professional street cleaning**



Model	S	M	L
Max. water flow	7 gal/min	7 gal/min	13 gal/min
Max. water pressure	2900 PSI	2900 PSI	3190 PSI
Water tank volume	73 gal	147 gal	221 gal
Working width	59 in	71 in	79 in
Nozzles	8 pcs	9 pcs	9 pcs
Weight	210 lb	503 lb	610 lb
Product no	A37012	A37013	A37014

The optional Opticontrol® is required on the loader with hydraulic turning on models M & L.

	220	225	423	523	528	530	630	635	640	645i	650i	735	755i	760i	860i	e5
S	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗
M	✗	✗	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗
L	✗	✗	✗	✗	✗	✗	—	—	—	—	—	✓	✓	✓	✓	✗



Compatible



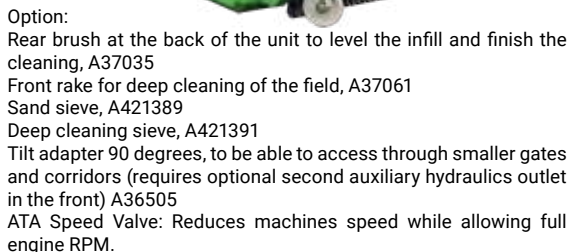
Not recommended



Incompatible



The regular cleaning and maintenance of the artificial surface reduces compaction and retains the optimum surface conditions and playing dynamics year-around. Well maintained sport surfaces also reduce the risk of acute and chronic injuries.



- ✔ **Rotating main brush**
- ✔ **Turbine powered dust and fine particle extraction system including 2 collection hoppers**
- ✔ **Adjustable and interchangeable sieving chamber with 2 large rear hoppers to collect larger debris**
- ✔ **Rubber/cork infill sieve as standard, other sieves available as an option**
- ✔ **Refill unit operating at 1.5x the ground speed to put back the cleaned rubber and soil**
- ✔ **Foldable following brush at the back of the unit to level the infill and finish the cleaning**

Working width	47.2 in
Weight	794 lb
Product no, without rear brush	A36494
Product no, with rear brush	A37230

includes rubber/cork infill sieve, without front rake

Artificial turf maintenance brush

The brush is intended for the daily and weekly maintenance of artificial turf fields. It does not limit or prevent the use of the artificial turf attachment ATA1200, because ATA1200 is intended for monthly maintenance of the field.

The main function of the maintenance brush is to brush up the compacted field's fibers in order to make the field softer again. It also distributes the infill (rubber, cork or sand) evenly so that the field stays softer longer. It is equipped with a floating attachment bracket which makes sweeping easier and boom floating on the loader is not necessary.

- ✓ **Efficient and economical daily and weekly maintenance with a 115 in wide brush**
- ✓ **Three-phase brushing with three brushes: straight-angle-straight**
- ✓ **Floating quick attach bracket**
- ✓ **Not intended for deep cleaning of artificial turf fields**



Working width	115 in
Total width	119 in
Length	51.2 in
Weight	298 lb
Product no	A37058

220



225



423



523



528



530



630



635



640



645i



650i



735



755i



760i



860i



e5



Compatible



Not recommended



Incompatible



Sand/salt spreader

The new sand/salt spreaders are equipped with a new type of spreading system: a hydraulically operated pendulum spreading plate which moves horizontally and spreads the material. Spreading plate height can be adjusted according to the material type, which allows spreading of gravel as well as finer sand and salt. A blocking plate kit, available as an option, required for when spreading salt and fine sand (prevents the material from falling out by itself). The unit spreads about 8" - 12" wider than the spreader's own width, and thanks to the smooth movement of the spreading plate there is no risk of causing damage to the objects around (parked cars, buildings etc.). Spreading speed can be adjusted seamlessly with a flow divider valve. The mixing shaft, which prevents clogging is mounted on the spreading plate, doesn't rotate, therefore a protective mesh is not needed at the discharge gap. The spreader is front mounted as standard and can be tilted down so that it can be loaded like a normal bucket. For Avant 200 series a mounting plate which increases tilting angle by 30° is necessary for tilting the spreader to horizontal position. Rear mounting is also possible: on 528/530 and 600 series on a designated rear mounting plate (requires also rear auxiliary hydraulics outlet on the loader); on Avant 700 and 800 series either on the rear mounting plate A441613/ A441666 (see page 32), or on the optional hydraulic rear lift A427547/ A438490 (page 32). Rear mounting requires the optional rear auxiliary hydraulics outlet on the loader, hydraulic rear lift and the attachment control switch pack for rear mounted attachments. Rear lights are also available as an option.

Options:

Blocking plate kit for sand & salt spreading, spreader 900 A429245

Blocking plate kit for sand & salt spreading, spreader 1200 A429247

Rear lights* A429959

* Requires the optional 7-pin trailer socket A418817 on the loader, see page 35

Mounting plate for 200 series, increases tilting angle by 30° A37315

- ✓ **Pendulum type sand/salt spreader, spreads 8" - 12" wider than the spreader's own width**
- ✓ **Two models**
- ✓ **Adjustable spreading amount and speed**
- ✓ **Can spread gravel, sand and salt**
- ✓ **Front mounted as standard – rear mounting possible on Avant 528/530 & 600, 700 and 800 series**

Model	900	1200
Spreading width	39" - 43"	55" - 59"
Volume	57 gal	114 gal
Total width	37.0 in	52.0 in
Length	44.9 in	44.9 in
Height	21.7 in	21.7 in
Weight	270 lb	430 lb
Product no	A427150	A424325

Rear mounting plate 528/530/600 serie	A433267
Rear mounting plate 700 series	A441613
Rear mounting plate 800 series	A441666
Hydraulic rear lift 700 series	A427547
Hydraulic rear lift 800 series	A438490

	220	225	423	523	528	530	630	635	640	645i	650i	735	755i	760i	860i	e5
900	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	—
1200	✗	✗	✗	—	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	—

Centrifugal sand / salt spreader

Centrifugal sand or salt spreader is the right choice for winter maintenance of large areas. Both the spreading area (6 to 20 ft) and the spreading amount can be adjusted either manually (standard) from the side of the spreader - or electrically from the driver's seat (option). This guarantees fast and efficient spreading.

- ✓ **Fast spreading on large areas**
- ✓ **Spreading width and amount adjustable: manual adjustment as standard, electric adjustment available optional**
- ✓ **Rear mounting also possible, on 700 and 800 series**



Option:

Electric spreading amount and width adjustment A37301

* The loader must be equipped with attachment control switch pack (option)

Hook agitator (for fine sand and salt) 65851

Chain vibrator/agitator (for gravel and gravel/salt mix) 66378

Road traffic light kit* (for rear mounted spreader) A441253

* Requires the optional 7-pin trailer socket A418817 on the loader, see page 35

Spreading width	31-240 in
Volume	8.8 cu ft
Max. load	1100 lb
Weight	287 lb
Product no., front mount	A21183

Rear mounting is also possible on 700 and 800 series, on the optional attachment mounting plate A441613/A441666 or on the hydraulic rear lift A427547/A438490 (see page 32). It requires the optional auxiliary hydraulics outlet in the rear. If electric spreading amount and width adjustment is fitted, also the optional attachment control switch pack for rear mounted attachments must be installed.

220	225	423	523	528	530	630	635	640	645i	650i	735	755i	760i	860i	e5
✗	✗	—	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	—

✓ Compatible
— Not recommended
✗ Incompatible



Towable sand / salt spreader

The towable sand / salt spreader is a very handy and economical attachment for winter maintenance of yards and walkways. Power to the spreader shaft is taken mechanically from the wheels. Wheels are equipped with a clutch which allows transporting without sand spreading. Equipped with a 2 inch trailer coupling.

Attention: The loader must be equipped with the 2 inch ball hitch A417337.

- ✔ Economical spreader, quick to attach on the trailer coupling
- ✔ Mechanical power taken from the wheels – no need for rear auxiliary hydraulics
- ✔ Includes a durable rain cover to protect from moisture and spillage



Spreading width	39.4 in
Width	59.1 in
Volume	8.1 cu ft
Weight	121 lb
Operation	Mechanical
Product no	A415430



Vacuum brush

The vacuum brush is intended mainly for collecting of tree leaves in parks, lawns, yards etc. The powerful vacuum unit sucks the waste first into the vacuum on the bottom of the collector box and then into the box, compacting everything into a tight package. The mouthpiece on the vacuum is equipped with a 51.2 in wide rotary brush which loosens also more compacted and wet leaves and waste. Brush rotation speed can be adjusted seamlessly.

The collector box (same box as on A37411 Collecting lawn mower 1500) is mounted on top of the vacuum unit. It is equipped with large transparent plastic windows so that you can easily monitor how the box is filling up. The box is emptied by opening the lid (powered by a hydraulic cylinder) from Avant's driver seat and then lifting the boom so the collected waste can be tipped into a container, skip etc.

- ✓ **Efficient leaf collector**
- ✓ **Large volume collector box allows fast collecting**
- ✓ **Equipped with Optifloat® -system, works well on uneven surfaces also**
- ✓ **Fast and easy floating adjustment with indicator arrows on the Optifloat®**
- ✓ **Easy emptying thanks to hydraulic lid opening from Avant's driver seat**



Working width	51.2 in
Total width	62.6 in
Collector box volume	28.0 cu ft
Length	60.6 in
Height	46.9 in
Weight	960 lb
Product no	A428800

220



225



423



523



528



530



630



635



640



735



755i



760i



860i



e5



Compatible



Not recommended



Incompatible



New

Leaf blower

With the leaf blower you can easily and quickly move away large amount of leaves from lawns, yards, sidewalks etc. The hydraulic motor powered blower is very efficient and the big tilttable nozzle blows the leaves away from a large area.

The leaf blower is equipped with electric rotation which allows pointing of airflow exactly to desired direction. Rotation angle is 90° to the left and 145° to the right from the straight forward pointing direction – 235° altogether. Vertical adjustment of the nozzle is manual as standard; stepless electric adjustment is available as an option.

- ✓ **Efficient hydraulic motor powered leaf blower**
- ✓ **Electric 235° rotation as standard**
- ✓ **Manual nozzle adjustment as standard – electric adjustment available as an option**



Option:
Electric nozzle adjustment A430172

Length	22.0 in
Width	26.9 in
Height	16.0 in
Nozzle width	8.6 in
Rotation angle	235°
Weight	187 lb
Product no	A442927

The optional Opticontrol® attachment control switch pack is recommended on the loader, for operating the electric rotation of the leaf blower. If the blower is equipped with the optional electric tilt of nozzle, Opticontrol® is required on the loader.

220	225	423	523	528	530	630	635	640	645i	650i	735	755i	760i	860i	e5
—	—	—	—	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
				✓ Compatible	— Not recommended				✗ Incompatible						



Leguan 50 access platform

Avant and its daughter company Leguan Lifts have joined their forces and created an access platform which is mounted directly into Avant loaders quick attach plate. The result is an inexpensive, handy and easy to use access platform. With the help of this lift Avant's versatility is further increased on the job sites.

The Leguan 50 is mounted directly on to loader's quick attach plate any other Avant attachment. This makes it fast and easy to mount it and remove it.

The lift is designed according to all access platform directives and it is CE-certified. The safe working load for the lift is 440 lb.

- ✓ **An inexpensive access platform with 197" working height**
- ✓ **Safe and legal way to do building repairs, painting, light bulb changes etc.**
- ✓ **The maximum allowed load on the basket is 440 lb and you are able to use the lift alone**
- ✓ **Leguan 50 is attached to Avant which makes it easy to set it up in virtually all kinds of terrains**
- ✓ **The Leguan 50 access platform gives even further possibilities to use your Avant on work sites**



Max. allowed load	440 lb
Max. working height	197 in
Height (with lowered platform)	74.8 in
Width	51.2 in
Weight	893 lb
Product no	A34812

220	225	423	523	528	530	630	635	640	645i	650i	735	755i	760i	860i	e5
✗	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✓



Compatible



Not recommended



Incompatible



Tipping trailer

Avant tipping trailer is available in two models: with carrying capacity of 2650lb or 4000lb. Both are equipped with hydraulic tipping. All sides can be removed if necessary. Extra side set is available as an option for the smaller model and is standard on the bigger model.

Attention: The loader must be equipped with the double acting rear auxiliary hydraulics outlet and the 2 inch ball hitch.

- ✓ **Robust and versatile tipping trailers, well suited both for earthmoving and for lighter jobs**
- ✓ **All sides can be removed if necessary – giving a completely flat bed**
- ✓ **Hydraulic tipping on both models**
- ✓ **Equipped with 5 bolt wheel hubs**
- ✓ **Both models equipped with a swivel hitch (rotating trailer coupling)**



Option:
Road traffic kit A450705
(Requires the optional 7-pin trailer socket A418817 on the loader, see page 35)
Extra side set (A45193) for 1200 model

Model	1200	1800
Max. Load	2650 lb	4000 lb
Width	44.3 in	53.1 in
Length	67.3 in	88.2 in
Tire size	23x8,50-12	320/60-12 HD
Side height	11.0 in	22.0 in
Product no	A450448	A450459

	220	225	423	523	528	530	630	635	640	645i	650i	735	755i	760i	860i	e5
1200	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
1800	✗	✗	–	–	–	–	✓	✓	✓	✓	✓	✓	✓	✓	✓	–

Lawn mower 1200

The lawn mower 1200 is a robust and efficient mower deck. It is equipped with the Optifloat® floating system, developed by Avant, which guarantees optimal touch with the ground even on uneven lawns. Two indicator arrows on the quick attach plate make adjustment of the floating very easy: when the mower is on level surface and the arrows meet, Optifloat® is adjusted correctly. The mower is also equipped with a safety valve which stops the blades when the mower is lifted off the ground. The deck is made of stamped steel making mowing more efficient.

The mower is mulching type as standard. Side discharge kit is available as an option.

- ✓ **Optifloat® floating system guarantees easy operation and good mowing result even on uneven lawns**
- ✓ **Safety valve stops the blades when the mower is lifted off the ground**
- ✓ **The stamped steel deck makes mowing more efficient and keeps the deck cleaner**



Option:
Side discharge kit A36013

Cutting width	47.2 in
Blades	2 pcs
Cutting height	1.0 - 4.0 in
Weight	375 lb
Product no	A35965

220	225	423	523	528	530	630	635	640	645i	650i	735	755i	760i	860i	e5
✓	✓	✓	✓	✓	✓	—	✗	✗	✗	✗	✗	✗	✗	✗	—
<div> <div>✓ Compatible</div> <div>— Not recommended</div> <div>✗ Incompatible</div> </div>															

Collecting lawn mower 1200

With the Avant collecting mower 1200 you can easily mow and collect the clippings. Due to its powerful vacuum fan, the unit collects leaves as well.

The mulching blades crush the debris into a very fine material which then moves to the collector and forms a tight and compact package. The cutting waste is ideal material for composting. Collector capacity is as big as 55.5 gal, which enables cutting of small to medium sized areas. Emptying of the collector is very easy: lift the mower up from the ground with Avant's boom then tilt the mower downward until the grass waste pushes the lid open and the waste comes out. The Optifloat® floating system, developed by Avant, guarantees optimal contact with the ground on uneven lawns. Two indicator arrows on the quick attach plate make adjustment of the floating very easy: when the mower is on level surface and the arrows meet, Optifloat® is adjusted correctly.

- ✓ **Powerful mower with a collector unit**
- ✓ **Can also be used for collecting leaves on lawns**
- ✓ **Vacuum fan can be turned off and the unit can be used as a mulching mower only**
- ✓ **Automatic lid opening on collector box, by tilting the mower downward**
- ✓ **Optifloat® floating system guarantees easy operation and good mowing result on uneven lawns**



Option:

Mounting plate for 200 series, increases tipping angle by 30° A37315

Cutting width	47.2 in
Blades	2 pcs
Cutting height	1.0 - 4.0 in
Collector box volume	7.4 cu ft
Product no	A35973

220	225	423	523	528	530	630	635	640	645i	650i	735	755i	760i	860i	e5
✓	✓	✓	✓	✓	✓	✓	—	—	—	—	—	—	—	—	—

✓ Compatible
— Not recommended
✗ Incompatible



Collecting lawn mower 1500

Collecting mower designed for professional use with 59" cutting width and 28 cu ft collector box. The powerful vacuum also makes it possible to collect leaves on lawns. The blades cut the grass, tree leaves etc. to a fine mulch which packs tightly into the collector box.

Collector box volume is designed to be large enough for professional use in larger areas. Lid opening is hydraulic and operated from Avant's driver seat. By lifting the loader boom and tilting the mower forward the collector box can be emptied. Collector box is pivoted in the front and can be tilted forward for easier maintenance. Two indicator arrows on the Optifloat® quick attach plate make adjustment of the floating very easy.

- ✔ **Equipped with Optifloat® system**
- ✔ **More cutting power for challenging mowing conditions**
- ✔ **Vacuum fan can be turned off and the unit can be used as a mulching mower only**
- ✔ **Rounded edge design reduces damage to trees, buildings, etc. in case of contact**
- ✔ **Puncture free, foam filled tires**
- ✔ **Fast and easy floating adjustment with indicator arrows on the Optifloat®**



Option:
Mulching kit A34530

Cutting width	59.0 in
Height	43.3 in
Blades	3 pcs
Cutting height	1.0 - 4.0 in
Collector box volume	28.0 cu ft
Product no	A37411

The optional Opticontrol® is recommended on the loader.

220	225	420	423	523	528	530	630	635	635*	640	640*	645i	650i	735	755i	760i	860i	e5
✗	✗	✗	✗	✗	✗	✗	⊖	✓	⊖	✓	⊖	✓	✓	⊖	✓	✓	✓	✗



Cutting bar

The cutting bar is used for the mowing of hay, grass and trimming the bushes and hedges. Due to side mounting and angle adjustment below ground level mowing of slopes. Guide plates under the bar support the cutting blades when mowing.

Spring loaded release mechanism allows the bar to move backwards if it hits an obstacle. Cutting angle can be adjusted manually with the hand winch. Electric cutting angle adjustment is available as an option.

- ✓ **Robust and economical long hay cutter and hedge trimmer**
- ✓ **Cutting angle adjustment below ground level allows easy mowing of slopes**
- ✓ **Spring loaded release mechanism for increased safety - cutting bar gives in when hitting an obstacle**
- ✓ **Electric cutting angle adjustment available as an option**



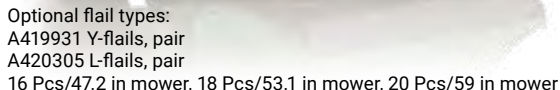
Option:
Electric cutting angle adjustment A35975

Cutting width	57.1 in
Transport width	100 in
Transport height	70.0 in
Weight	220 lb
Product no	A35676

220	225	423	523	528	530	630	635	640	645i	650i	735	755i	760i	860i	e5
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
<div> <div>✓ Compatible</div> <div>— Not recommended</div> <div>✗ Incompatible</div> </div>															



Flail mower is the optimal cutting device for places where you need a lot of cutting power and a rougher cut will do. The most common applications for flail mower are places with taller vegetation like meadows, road sides, fields etc.



- ✔ **Cutting deck design improves cutting result and requires less power from the engine and hydraulics**
- ✔ **Flails are mounted in spiral on the shaft which makes cutting more efficient**
- ✔ **Direct drive: hydraulic motor mounted directly on the shaft**
- ✔ **Floating system allows free vertical movement, and the floating can be set so that the mower can tilt freely forward and backward as well**
- ✔ **Rear roller offers better stability and less resistance when mowing**

Cutting width	47.2 in	53.1 in	59 in
Total width	62.2 in	68.1 in	74 in
Cutting height	1 - 4 in	1 - 4 in	1 - 4 in
Standard flails type/pcs	hammer 16 pcs	hammer 18 pcs	hammer 20 pcs
Weight	530 lb	575 lb	595 lb
Product no	A36730	A441550	A36015

	220	225	423	523	528	530	630	635	635*	640	640*	645i	650i	735	755i	760i	860i	e5
1200	✓	✓	✓	✓	✓	✓	—	—	—	—	—	—	—	—	—	—	—	—
1350	✗	✗	✗	✗	—	—	✓	✓	✓	✓	✓	✓	✓	✓	✓	—	—	✗
1500	✗	✗	✗	✗	✗	✗	—	✓	—	✓	—	✓	✓	—	✓	✓	✓	✗



Updated

Hydraulic side arm S30

The hydraulic side arm with S30 quick attach system can be equipped with attachments that have the corresponding S30 quick attach bracket.

The side arm is equipped with a straight telescopic arm and a tilting jib arm. The telescopic arm extends up to 39.4" hydraulically to the side, and the jib arm movement is up to 45° down and 90° up from horizontal position.

The side arm is equipped with a hydraulic release mechanism, and the hydraulic release pressure can be adjusted and measured. The attachment which is mounted on the side arm will give backwards when it hits an obstacle. The side arm will come back to normal position as soon as the attachment is tilted downwards.

Avant 400 lb side weight kit A49063 is available as an option. It is necessary with heavier attachments like the A37505 S30 flail mower 47.2".

- ✓ **S30 attachment's hydraulic hoses are connected to the side arm with Multi connector**
- ✓ **Telescope and jib arm movement speeds are adjustable**
- ✓ **The jib arm floats hydraulically upwards, in case of encountered obstacles**



Max attachment weight	1100 lb
Telescoping to the side	max. 39.4 in
Max width	73.6-101.6 in
Jib arm movement	135°
Weight	550 lb
Product no	A448736

The optional Opticontrol® is required on the loader. (requires also 6 or 8 function joystick on the loader).

220	225	423	523	528	530	630	635	640	645i	650i	735	755i	760i	860i	e5
✗	✗	✗	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
✓ Compatible — Not recommended ✗ Incompatible															



Mechanical side arm S30

The mechanical side arm with the S30 quick attach system can be fitted with lighter (max. 440 lb) attachments like the A430938 S30 cutting bar and the A429926 S30 multi function drive unit with HD brushes. It is equipped with a mechanical, manually extendable straight telescopic arm and a hydraulic jib arm which tilts the attachment up and down. Telescoping to the side up to 39.4" and jib arm movement up to 45° down and 90° up from horizontal position.

The side arm is pivoted in the middle, locked with a pin, and can be turned manually up and down with 45° steps – and even 180° to the other side, which makes it possible to work either on the right or on the left side of the loader.

- ✓ **Versatile side arm, can be fitted with hedge cutter bar, weed brushes etc.**
- ✓ **Equipped with a mechanical, manually extendable straight telescopic arm and a hydraulic jib arm**
- ✓ **Telescoping to the side max. 39.4", jib boom movement max 45° down and 90° up from horizontal position**
- ✓ **S30 attachment's hydraulic hoses are connected to the side arm with Multi connector**



Max attachment weight	440 lb
Telescoping to the side	max. 39.4 in
Max width	64.8 in
Jib arm movement	135°
Weight	285 lb
Product no	A431070

The optional Opticontrol® is required on the loader.



Updated

Flail mower S30

The 47.2" flail mower with S30 quick attach bracket mounts only on the hydraulic side arm A448736. It cannot be mounted on the attachment coupling plate of the loader or on the A431070 S30 mechanical side arm - and the normal flail mowers A36730 and A36015 cannot be mounted on the hydraulic side arm.

The S30 mower has otherwise the same 47.2" mower deck with hammer flails as the A36730 flail mower, but it is equipped with the high flow hydraulic motor of the 59" flail mower. This gives 25% higher efficiency/working width ratio than on the 59" flail mower, and 100 % higher than on the standard A36730 47.2" flail mower.

- ✓ **Easy mowing of road banks and gradients with the flail mower**
- ✓ **Outreach to the side max. 116 in**
- ✓ **Equipped with high flow hydraulic motor**
- ✓ **S30 quick attach system**



Working width	47.2 in
Max. outreach to the side	116 in
Max. width	62.2 in
Weight, Flail mower S30	550 lb
Weight, Flail mower with hydraulic side arm and side weights	1500 lb
Product no, Flail mower S30	A37505
Product no, Flail mower with hydraulic side arm S30*	A37213

* Includes:	
Flail mower 1200 S30	A37505
Hydraulic side arm S30	A448736
Side weight kit 400 lb to side arm	A49063

The optional Opticontrol® is required on the loader.

220	225	423	523	528	530	630	635	635*	640	640*	645i	650i	735	755i	760i	860i	e5
✗	✗	✗	✗	✗	✗	✗	✓	—	✓	—	✓	✓	—	✓	✓	✓	✗

* With Tier 4 Kubota V1505 engine

✓ Compatible
 — Not recommended
 ✗ Incompatible

Rotary hedge cutter S30

Rotary hedge cutter S30 is an efficient attachment for cutting of shrubs, bushes, hedges, and similar vegetation. It is equipped with three rotors with 4 cutting blades on each rotor. The blades are mounted in two different heights 2+2 on the rotor which – together with the outside rotors rotating inwards - means that they mulch the material into small bits which don't need to be collected after cutting. The rotary hedge cutter can be mounted both on the A431070 mechanical side arm and on the A448736 hydraulic side arm. With Avant 600 series the optional 400 lb rear side weights A49063 are recommended on the loader for better stability.

- ✓ **Efficient hedge cutter on S30 side arms, works both in horizontal and vertical position**
- ✓ **Equipped with three rotors with 4 cutting blades each**
- ✓ **Mulches the material into small bits eliminating need for waste collection**



Working width	51.2 in
Total width	57.9 in
Cutting height	1.0 – 4.0 in
Blades	12 pcs (4 pcs/rotor)
Length	40.4 in
Height	15.2 in
Weight	441 lb
Product no.	A435550

The optional Opticontrol® is required on the loader.

220	225	423	523	528	530	630	635	640	645i	650i	735	755i	760i	860i	e5
✗	✗	✗	✗	✗	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗



Compatible



Not recommended



Incompatible



Multi function drive unit S30

The multi function drive unit equipped with the S30 quick attach bracket is intended mainly for rotating different types of brushes – XL weed brush, XL wire rope brush and carousel broom. It can be mounted in horizontal or vertical position on the side arms with S30 quick attach system (both mechanical and hydraulic arm), but not on the attachment coupling plate of the loader. The S30 drive unit has the same 2 1/4 in square shaft for attachments as the A37190 Multi function drive unit, but is equipped with a lower torque and higher speed hydraulic motor and therefore works better with brushes. On the other hand it doesn't have enough power to rotate auger drills or screw cone log splitter.

- ✓ **Drive unit which mounts on S30 side arms**
- ✓ **Possible to mount in horizontal or vertical position**
- ✓ **Equipped with high speed hydraulic motor, intended for rotating different types of brushes**
- ✓ **Same 2 1/4 in square shaft for attachments as on the A37190 Multi function drive unit**

Torque	700 lb/ft @ 2900 psi
Rotation speed	95 rpm @ 7.9 gal/min
Weight	66 lb
Product no	A429926

The optional Opticontrol® is required on the loader.



- A37317 Carousel broom**
- Same 39.4 in replaceable brush as on A2971 Carousel broom, part no. A32698
 - Weight 150 lb



- A433646 Carousel broom, steel**
- 39.4" brush with steel bristles
 - Weight 150 lb



- A431157 XL wire rope brush**
- Brush with 32 pcs heavy duty wire rope bundles
 - Max. diameter 40"
 - Height 14.6"
 - Weight 80 lb

220	225	423	523	528	530	630	635	640	645i	650i	735	755i	760i	860i	e5
✗	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	—



Fence mower

Fence mower is the perfect attachment for cutting grass under fences, roadside crash barriers, around trees etc. It can also be used to remove weeds from road banks, around cornerstones and near buildings. The fence mower maneuvers around fence posts easily: when the cutting head comes in contact with the post the extension spring that is mounted between the mower frame and cutting head retracts the cutting head back allowing a smooth operation around the post. The tension and fastening point of the extension spring can be adjusted. In addition, there is a vertical floating system with 4 positions for aligning the cutting head.

Cutting head is equipped with two blades. Its edge is covered with a rubber bumper for damping impacts. The mower is equipped with a manually turnable arm allowing the cutting head to be turned in several different positions. Cutting head can be mounted pointing either to the right or to the left side. An adjustable support wheel is standard equipment as well.

- ✓ **Perfect attachment for cutting grass under fences, roadside crash barriers, around trees etc.**
- ✓ **Cutting head with 2 blades**
- ✓ **Vertical floating of cutting head**
- ✓ **Cutting head can be mounted pointing to the right or to the left**
- ✓ **Adjustable support wheel standard**



Cutting width	27.7 in
Cutting height	min. 2.4 in
Number of blades	2 pcs
Maximum width in working position (cutting head on the right side)	73.6 in
Minimum width in transport position	46.1 in
Weight	270 lb
Product no.	A440199

220	225	423	523	528	530	630	635	640	645i	650i	735	755i	760i	860i	e5
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	—
<div> ✓ Compatible — Not recommended ✗ Incompatible </div>															



Edge trimmer

Avant edge trimmer is the perfect attachment for trimming the edges of lawns, hedges, flower beds etc. It consists of a hydraulically operated trimmer mounted next to a cutting disc.

Cutting disc cuts the lawn precisely where you want and hydraulic trimmer breaks up any soil or lawn that is left to the side of the cutting disc. Edge trimmer leaves a good looking finish to any garden thanks to its adjustable cutting depth and precise control.

The edge trimmer is equipped with a manually extendable arm and can be turned in three different positions: the right, to the left, or to the front (transport position). Support wheel is available as an option.

- ✓ **Cuts the lawn edge accurately, leaving a finished look on lawns, flower beds, driveways, walkways etc.**
- ✓ **Hydraulic trimmer mills the soil efficiently**
- ✓ **Equipped with manually extendable arm**
- ✓ **Can be turned manually in three positions: to the left or right side, and to center transport position**
- ✓ **Support wheel available as an option**



Option:
Support wheel A36699

Cutting depth	max. 6 in
Cutting disc diameter	18.1 in
Cultivating width	6.1 in
Height	22.8 in
Weight	176 lb
Min. width in working position	42.5 in
Product no	A36621

New

Edge trimmer with weed brush

The edge trimmer equipped with a weed brush allows lawn edge cutting and sweeping at the same time. It is intended for cleaning the edge between curb stones and lawn, and it can also be used for trimming the edge between lawns and paving, asphalt, concrete slab, etc.

Cutting disc can be lifted up so that the unit works as a weed brush only. The brush (A422665) is a heavy-duty wire rope brush, diameter 27.6 in as standard. Diameter of the cutting disc is 18.1 in. An adjustable and detachable splash guard and a foldable support wheel are standard equipment as well.

Working width (distance from the brush to the side from the loader's quick attach plate) can be adjusted manually max. 7.1 in, as well as the distance between the cutting disc and the brush. The cutting disc is spring loaded: the spring turns the disc parallel with the driving direction. The angle of the brush can be adjusted manually.

The unit can be mounted in three different positions: working on the right side or on the left side of the loader, or pointing to the front (transport position). Changing the working direction from the right to the left side of the loader requires tools and the left-handed mounting bracket A449096 for the cutting disc.

Option:

Brush with steel bristles A452184
Left-handed mounting bracket
for cutting disc A449096
(allows mounting on the left side)



- ✓ **Cuts the lawn edge accurately, leaving a finished look on lawns, flower beds, driveways, walkways etc.**
- ✓ **Cutting disc can be lifted up so that the unit works as a weed brush only**
- ✓ **Efficient weed removal with rotating steel brush**
- ✓ **Support wheel as standard**

Cutting depth max.	5.9 in
Cutting disc diameter	18.1 in
Brush diameter	27.6 in
Max. width in working position	55.5 in
Min. width in transport position	33.7 in
Height	27.2 in
Length	34.1 in
Weight	353 lb
Product no	A446497

220	225	423	523	528	530	630	635	640	645i	650i	735	755i	760i	860i	e5
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓



Compatible



Not recommended



Incompatible



Weed brush

Weed brush is an efficient tool for removal of weeds on all kinds of paved areas etc. It is equipped with a steel brush which can be extended manually and turned in three different positions: to the front, to the right side or to the left side. The weed brush is equipped with a support wheel as standard. It can be lifted and locked up to transport position if needed.

- ✓ **Efficient weed removal with rotating steel brush**
- ✓ **Equipped with manually extendable arm**
- ✓ **New 2022: splash guard as standard**
- ✓ **Can be turned manually in three positions: to the left or to the right side, and to center transport position**
- ✓ **Support wheel as standard**



Brush diameter	23.6 in
Bristle material	steel
Height	20.9 in
Length/Width (retracted)	43.3 in
Weight	187 lb
Product no	A36594

Option:
Heavy duty wire rope brush A422665

220	225	423	523	528	530	630	635	640	645i	650i	735	755i	760i	860i	e5
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
<div> <div>✓ Compatible</div> <div>— Not recommended</div> <div>✗ Incompatible</div> </div>															



Lawn aerator

Lawn aerator is designed to create holes in the lawn surface which encourages free movement of soil. This helps to improve the circulation of air in the soil which is vital for a healthy lawn. Avant aerator is completely mechanical – when driving forward with the loader the knife type blades on the aerator shaft turn and make holes in the lawn.

The aerator is equipped with 12 rows with 10 blades each, 120 pcs in total. Working width is 59.1 inches; working height can be adjusted with the nylon spacers on the four support wheels. The aerator is also equipped with mechanical support legs which lift the deck and blades off the ground for storage.

- ✓ **Easy and efficient lawn aerating by driving forward with Avant**
- ✓ **Equipped with knife type blades**
- ✓ **Two Avant 64 lb back weights can be mounted on the sides to add weight**



Working width	59.1 in
Total width	73.2 in
Length	66.9 in
Height	31.7 in
Number of blades	120 pcs
Weight	1260 lb
Product no.	A424201

220

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650i

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✓

755i

✓

760i

✓

860i

✓

e5

✗

✓

Compatible

—

Not recommended

✗

Incompatible



Rotary hoe

Rotary hoe is the right attachment for soil cultivating, seed bed finishing and rotovating. It features direct drive with hydraulic motor mounted directly on the milling shaft. The curved blades guarantee efficient milling of the soil. A vertical grading rake with strong tines in front of the blades traps stones and debris, effectively allowing soil to bury them. This gives a finished seeding bed in a single pass. There is also an adjustable soil scraper blade between the milling shaft and the field roller. Working depth is smoothly adjustable with the rear field roller, up to 6.0 in.

- ✓ **Efficient rotary hoe for soil cultivating**
- ✓ **Direct drive with hydraulic motor mounted directly on the milling shaft**
- ✓ **Vertical grading rake with strong tines in front of the blades which traps stones and debris**
- ✓ **Working depth is smoothly adjustable with the rear field roller**
- ✓ **Adjustable soil scraper blade between the milling shaft and the field roller**



Model	1200	1350	1500
Working width	47.2 in	53.1 in	59.1 in
Roller width	55.1 in	61.0 in	66.9 in
Total width	60.2 in	67.1 in	72.0 in
Working depth	2.0 - 6.0 in	2.0 - 6.0 in	2.0 - 6.0 in
Weight	550 lb	605 lb	650 lb
Product no	A425119	A443490	A37430

	220	225	423	523	528	530	630	635	635*	640	640*	645i	650i	735	755i	760i	860i	e5
1200	✓	✓	✓	✓	✓	✓	—	—	—	—	—	—	—	—	—	—	—	—
1350	✗	✗	✗	✗	—	—	✓	✓	✓	✓	✓	✓	✓	✓	✓	—	—	✗
1500	✗	✗	✗	✗	✗	✗	—	✓	—	✓	—	✓	✓	—	✓	✓	✓	✗

Updated

Power rake

Power rake is a versatile attachment for soil grading, levelling, raking, and removing of debris. It can be used, for preparing seedbeds, cutting grades, grading dirt and gravel roads, and cleaning up and grading different types of sites.

The Power rake mills the soil to max. 2.6 in depth. The shaft is equipped with steel teeth. While driving forward, the shaft rotates against the driving direction. The removable side plates make soil moving and directioning even more efficient. The rake is equipped with two adjustable support wheels and it can be turned to max. +/- 30 degrees angle.

The clearance between the frame and shaft of the power rake allows soil to move around the rake axle which guarantees efficient milling. There is also a splash guard above the axle.

Two models and working widths available: 58.3 in with manual or hydraulic turning, and 70.1 in with hydraulic turning (intended especially for 700 and 800 series).

- ✓ **Versatile attachment for preparing seedbeds, grading dirt and gravel roads, cleaning up building lots and sites etc.**
- ✓ **Easy removal and piling up of rocks and other debris by driving forward**
- ✓ **Available with manual or hydraulic turning, +/- 30 degrees**
- ✓ **Two models: with 58.3 in or 70.1 in working width**

Model	1500	1800
Working width	58.3 in	70.1 in
Total width	69.8 in	81.7 in
Working depth	max. 2.6 in	max. 2.6 in
Turning angle	+/- 30°	+/- 30°
Length	47.6 in	47.6 in
Height	26.4 in	26.4 in
Weight	695 lb	750 lb
Product no., manual turning	A449836	-
Product no., hydraulic turning	A449672	A445931

The optional Opticontrol® is required on the loader with hydraulic turning model.



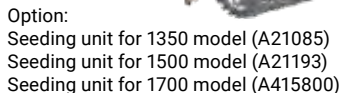
	220	225	423	523	528	530	630	635	635*	640	640*	645i	650i	735	755i	760i	860i	e5
1500	✗	✗	✗	—	—	—	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	—
1800	✗	✗	✗	✗	✗	✗	—	✓	—	✓	—	✓	✓	✓	✓	✓	✓	✗

* With Tier 4 Kubota V1505 engine



Rotary harrows are most commonly used for lighter topsoil levelling. The soil is normally not milled as deep or as thoroughly as with a rotary hoe.

- ✔ Professional, efficient rotary harrow for topsoil levelling
- ✔ Top grade finish with just one pass
- ✔ Can be equipped with seeding unit
- ✔ Requires less power than rotary hoe



Model	1350	1500	1700
Working width	48.0 in	55.1 in	61.0 in
Roller width	53.1 in	59.1 in	67.0 in
Working depth	0 - 6.3 in	0 - 6.3 in	0 - 6.3 in
Weight	485 lb	550 lb	640 lb
Weight with seeding unit	575 lb	640 lb	730 lb
Product no	A21077	A21185	A21431

	220	225	423	523	528	530	630	635	635*	640	640*	645i	650i	735	755i	760i	860i	e5
1350	✗	✗	✓	✓	✓	✓	✓	✓	✓	✓	—	—	—	—	—	—	—	—
1500	✗	✗	✗	✗	✗	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗
1700	✗	✗	✗	✗	✗	✗	—	✓	—	✓	—	✓	✓	✓	✓	✓	✓	✗

108 ✓ Compatible — Not recommended ✗ Incompatible * With Tier 4 Kubota V1505 engine

New

Seeding machine

The seeding machine is a professional mechanical surface seeding unit, intended for the precise seeding of lawns, different types of (flower) meadows, pastures etc. The rotating feeding roller with 12 nozzles provides accurate and reliable seed sowing, while allowing a wide seeding amount adjustment range of approx. 19 - 1140 oz/100 ft².

It is possible and advisable to make a seeding test before starting operation, in order to make sure that a right amount of seed goes to the ground. The seeding machine is equipped with 4.00-8 tractor tires and a manually operated support leg.

Rear harrow and rear field roller are available as an option, for finishing and compacting the surface. The seeding machine can be mounted either on the attachment coupling plate of the loader - in this case seeding happens by reversing with the loader - or it can be towed by mounting the optional Avant drawbar A37481 on the unit. In this case the loader must be equipped with the trailer ball hitch.

- ✓ **Efficient and professional attachment for seeding of lawns, meadows, pastures etc.**
- ✓ **Precise and widely adjustable seed feeding through 12 nozzles**
- ✓ **Seeding test can be performed before starting operation**
- ✓ **Can be mounted on the attachment coupling plate of the loader or towed with the optional Avant drawbar**



- Options:
- Rear harrow A450437
 - Rear field roller A450438
 - Drawbar A37481

Working width	59.1 in
Total width	74.4 in
Length	35.0 in
Height	42.1 in
Seed box volume	10.2 gal
Seed amount adjustment	19 - 1140 oz/100 ft²
Weight	300 lb
Product no	A449473

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Leveller HD

The HD leveller is an incredibly useful and efficient attachment for quick levelling of uneven ground, mulch, yards, driveways etc. It is most commonly used in:

- preliminary lawn bed levelling
- yard and driveway sand and gravel levelling
- levelling of uneven ground

The leveller can also be used for lifting job site materials like sod rolls, tools etc.

- ✓ **Bucket cutting edge in the front and in the rear, allows breaking and cutting of the ground**
- ✓ **Straight vertical levelling edge in the rear**
- ✓ **Grate at the front, for picking up stones**
- ✓ **Two hook type brackets in the front, for transporting a bucket**
- ✓ **Scarifier bar in the rear, equipped with hooks. It can be turned manually for 5 different working depths, and can also be lifted up so that the leveller works without scarifying**



Working width	63.0 in
Total width	64.2 in
Length	41.3 in
Working depth	max. 4 in
Weight	380 lb
Product no.	A427450

Roller compactor

The roller compactor with mesh roller is a practical attachment for compacting soil when preparing for lawn seeding and right after lawn seeding. You are able to compact soil with the full 59.1 inch width of the roller and push down with the whole weight of the loader's front axle.

The other roller compactor model is equipped with a plain, hollow roller which can be filled with water (max. 44.1 gal). It is useful for preparing and compacting a newly installed sod and similar surfaces where a plain roller is a must and mesh rollers cannot be used. Both compactors can also be fitted with max. 4 pcs of Avant 64 lbs back weights. The compactors can also be towed, if needed, with the A37481 drawbar mounted on the compactor.

- ✓ **Easy and economical compacting of lawns before and after seeding with the mesh roller**
- ✓ **Plain roller is useful for compacting a newly installed sod and similar surfaces; can be filled with water**
- ✓ **Both models can also be towed with the A37481 drawbar**
- ✓ **4 pcs Avant 64 lbs back weights can be mounted to add weight**



Model	Mesh roller	Plain roller
Working width	59.1 in	59.1 in
Total width	63.2 in	63.2 in
Roller diameter	15.7 in	16.0 in
Length	24.0 in	24.0 in
Weight, without extra weights and water	220 lb	430 lb
Water volume	-	44.1 gal
Product no	A37064	A37488

- 220
- 225
- 423
- 523
- 528
- 530
- 630
- 635
- 640
- 645i
- 650i
- 735
- 755i
- 760i
- 860i
- e5



Front rake

Front rake is an uncomplicated and economical attachment for levelling of sand and gravel driveways, anywhere you want to have a nice looking finish. The spring loaded tines rake and level the ground efficiently. The rake can also be used for loosening and levelling of uneven soils.

There are two models available: one with normal tines and other with HD tines. The rake with stronger HD tines will also collect branches and other heavier material when levelling the ground.

- ✔ Economical leveler for sand gravel driveways
- ✔ Works on soils as well
- ✔ Two models available: with normal tines or with stronger HD tines
- ✔ Can be mounted on all Avant models
- ✔ HD tines can be used to collect small branches



Model	Standard	HD
Width	78.7 in	78.7 in
Tine height	9.6 in	16.5 in
Total height	22.1 in	27.4 in
Weight	77 lb	124 lb
Product no	A36968	A37357

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- 225

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- 630

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- 635

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- 640

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- 645i

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- 650i

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- 735

✔
- 755i

✔
- 760i

✔
- 860i

✔
- e5

✔



Ripper

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

The ripper is operated by pressing the three blades into the ground next to the object you wish to remove. With the teeth sunk into the ground, tilt the ripper inwards and then lift the boom upwards which will bring the object on top of the ground.

- ✓ **An inexpensive tool for removing of rocks, tree stumps, roots etc. from the ground**
- ✓ **Eliminates a huge amount of manual work**



Width	20.0 in
Working depth	approx. 12.0 in
Weight	110 lb
Product no	A44412

220	225	423	523	528	530	630	635	640	645i	650i	735	755i	760i	860i	e5
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
✓ Compatible — Not recommended ✗ Incompatible															



Mulcher CR1400

Mulcher CR1400 is a heavy duty soil conditioner and vegetation remover. It clears vegetation and undergrowth and can crush small roots and tree stumps as well. This makes the mulcher a useful tool for clearing the soil and also for preparing it for seeding and planting. The rotor is equipped with replaceable carbide cutting teeth. Support skids are standard. They are pivoted which means they follow the contours of the cultivated surface, allowing very easy and accurate working depth adjustment. The mulcher can also be used for removal of ice and hard packed snow on multiple surfaces.

- ✓ Heavy duty soil conditioner – can crush smaller roots, tree stumps and branches
- ✓ Rotor with carbide cutting teeth
- ✓ Hardox steel frame
- ✓ Bolt mounted counter blades
- ✓ Support skids as standard
- ✓ Possibility to turn the direction of the rotor



Optional cutting teeth (60 pcs required on the mulcher):
 A445791 Rectangular cutter
 A445804 Conical carbide cutter (standard)
 A445806 Heavy duty conical cutter
 A445789 Shearing cutter
 66392 & 66393 Cutters (same as on asphalt grinder, see page 133)

Total width	68.9 in
Rotor width	53.1 in
Rotor diameter	15.7 in
Rotation speed	190 rpm @16 gal/min
Working depth	0 - 27.9 in
Height	26.4 in
Weight	1190 lb
Product no	A436164

220	225	423	523	528	530	630	635	640	645i	650i	735	755i	760i	860i	e5
✗	✗	✗	✗	✗	✗	✗	✗	✗	✓	✓	✗	✓	✓	✓	✗
<div> <div>✓ Compatible</div> <div>— Not recommended</div> <div>✗ Incompatible</div> </div>															

Screening bucket

The Avant screening bucket is a fast and efficient compact system for screening and blending soils, aggregates and compost. The durable and flexible star-shaped plastic Poly Star rollers screen without shredding the vegetation or crushing the aggregates into the finished screened product.

The unique design fitted with sealed bearings, self tensioning carbon belt driveline and flexible Poly Stars enables for a large screening area to create a low maintenance, fast and efficient screening system.

- ✔ Separates stone/soil/vegetation
- ✔ Screens without crushing or shredding
- ✔ Suitable for different types of soil



Width	47.24 in
Bucket volume	10.59 cu ft
Screening area	47.2 x 16.9 in
Weight	860 lb
Product no	A36503

220	225	423	523	528	530	630	635	640	645i	650i	735	755i	760i	860i	e5
✗	✗	✗	—	—	—	✔	✔	✔	✔	✔	✔	✔	✔	✔	—

✔ Compatible — Not recommended ✗ Incompatible



Stone grab

The stone grab, equipped with rotator, allows grabbing, transporting and loading of different types of stones both lengthwise and crosswise. This makes it possible to pass through narrow places also with long curb stones and enables loading in any direction. The grab is available either with a hydraulic rotator or as freely rotating version. Padded stone grabbers are available as an option. Stone grabbers come with a lock valve which prevents unintentional opening of the grab. If the loader is equipped with the 6 or 8 function joystick, all functions of the grab with hydraulic rotator (grab opening/closing, rotation) can be operated with the switches on the optional Opticontrol® switch pack.

- ✓ Available with hydraulic rotator or as freely rotating version
- ✓ Can be equipped with padded stone grabbers



Option:
 Lock valve, mounting kit, on grab cylinder A436627
 Padded stone grabbers (kit includes lock valve) A429742

Rotation type	Freely rotating	Hydraulic rotation
Grapple opening diameter	48.1 in	48.1 in
Weight	255 lb	300 lb
Product no	A37457	A37456

The optional Opticontrol® is required with grab with hydraulic rotator and padded stone grabbers, for operating the grab opening/closing and rotation (requires also 6 or 8 function joystick on the loader).

220	225	423	523	528	530	630	635	640	645i	650i	735	755i	760i	860i	e5
✗	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
<div> <div>✓ Compatible</div> <div>— Not recommended</div> <div>✗ Incompatible</div> </div>															



Grabbing tool

Grabbing tool is mainly intended for lifting and handling of round objects. It is especially suited for lifting of barrels, plants and tree pots. Grabbing force can be adjusted, which means all kinds of objects can be handled without damaging them.

Grabbing tool is equipped with two smaller, rubber padded grabs which allow handling of smaller and more fragile objects. When the grab is opened completely it can take larger objects like barrels, bigger plant pots etc.

- ✓ **Easiest way to lift and transport plants, trees, barrels etc. without damaging them**
- ✓ **Excellent tool for nurseries and landscapers**
- ✓ **With the optional tilt adapter or attachment rotator mounted on the grabbing tool it is also to possible to rotate the objects**



Option:
Conical grabbers – for objects with conical shape like plant pots A421030
Barrel grabbers – for completely round objects like barrels A421031
Tilt adapter 90 degrees A36505
Attachment rotator A424406
(requires second auxiliary hydraulics outlet in the front)

Min. grab diameter	10.0 in
Max. grab diameter	47.0 in
Max. load	1430 lb
Weight	210 lb
Product no	A34290

220	225	423	523	528	530	630	635	640	645i	650i	735	755i	760i	860i	e5
✗	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
			✓	Compatible	—	Not recommended	✗	Incompatible							



Tree boom

Tree boom is a simple and practical attachment for handling bigger tree trunks, pipes etc. objects which need to be lifted and placed with accuracy. It is otherwise the same attachment as the Avant big bag lifter, but the manually adjustable telescoping boom doesn't have a hook – instead the boom is straight and equipped with a pin for attaching lifting slings. This allows lifting and planting bigger trees without the risk of damaging them. The frame design with side supports prevents the objects from swinging sideways.

Tree boom is useful in nurseries for planting trees, for arborist jobs like removing bigger trunks from yards and gardens, and also for utility jobs like setting pipes in trenches etc.

- ✓ **Easy way of handling tree trunks, planting bigger trees, laying pipes etc. objects**
- ✓ **Manually adjustable telescoping boom, can be adjusted in four different heights between 44.7 – 66.3 in**
- ✓ **Side supports prevent sideways swinging of the objects**



Pin height	44.7 – 66.3 in
Width	43.3 in
Max. load	1985 lb
Weight	132 lb
Product no	A444137



Backhoe 170

Avant backhoe 170 is a compact digging unit, intended mainly for Avant 200 series. The main focus in design was user friendliness and straight forward construction. Backhoe 170 is a small backhoe, which is at its best in tight situations where space is limited.

Boom movements are smooth and precise, which makes operation easier also for less experienced users. To facilitate the digging the frame of the backhoe is as low as possible, which gives unrestricted visibility to the work area.

- ✓ **Strong and compact backhoe**
- ✓ **Easy to connect and disconnect to Avant**
- ✓ **Smooth movements with precise control valve, easy to operate**
- ✓ **Designed for Avant 200 series**

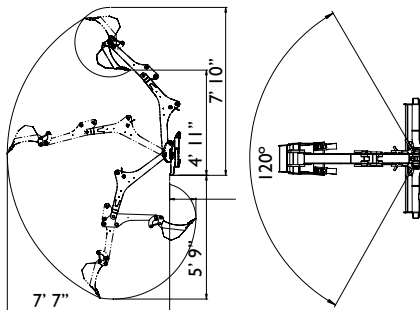
Max. Digging depth	66.9 in
Standard bucket	9.8 in / A415232
Weight	397 lb
Product no	A36848



Optional extras:

Bucket 15.7 in A415230

Bucket 29.5 in A35564



220



225



423



523



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640



645i



650i



735



755i



760i



860i



e5



Compatible



Not recommended

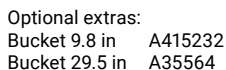


Incompatible

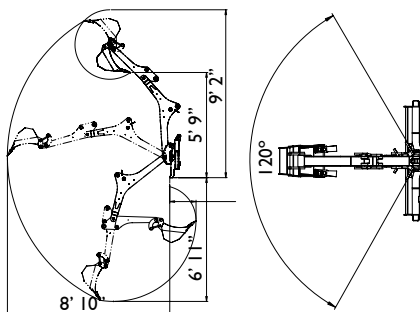


Boom movement speeds are seamlessly adjustable, which makes operation easier, especially for inexperienced users. To facilitate digging, the frame of the backhoe is as low as possible, which gives unrestricted visibility to the work area.

- ✔ **A powerful, strong and compact backhoe**
- ✔ **Easy to connect and disconnect to Avant**
- ✔ **Smooth movements with precise control valve, easy to operate**
- ✔ **Uncomplicated and economical backhoe**



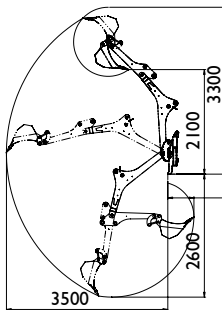
Max. Digging depth	82.7 in
Standard bucket	15.7 in / A415230
Weight	419 lb
Product no	A33747

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Backhoe 260

Backhoe 260 has many improved features: Boom swing happens with two hydraulic cylinders, instead of the single cylinder and chain drive in the old models. The new system gives more exact boom movements when swinging and requires less service. Swing angle is 170 degrees. Backhoe 260 is equipped with hydraulic outriggers as standard. The operator can easily adjust the outriggers with the lever on the backhoe control valve. This allows quick and easy set up also on uneven terrains. Changing of bucket is easy thanks to the quick attach mechanism. Mounting the backhoe on Avant is very fast, and the new foldable control valve bank and locking system on the boom make it even easier.



- ✓ **Powerful and professional backhoe with good outreach**
- ✓ **Hydraulic outriggers**
- ✓ **Bucket quick attach system S30-150**
- ✓ **170 degree boom swing angle with consistent speed**
- ✓ **Dozer blade on front frame**
- ✓ **Several bucket options**
- ✓ **Bucket sideways tilt adapter available as an option**
- ✓ **Thumb grab available as an option, for handling stones etc. objects**



Optional extras:

Bucket 9.8 in A414301

Bucket 29.5 in A35230

Bucket 39.4 in A35383

Quick attach adapter S30-150 with sideways tilt A35249, (not when thumb grab A435527)

Trapezoidal bucket 25.6 in A21638

Trapezoidal bucket 35.9 in A36374

Thumb grab A435527 (not when bucket tilt adapter A35249)



Max. Digging depth	102 in
Width	51.2 in
Boom swing angle	170 °
Standard bucket	15.7 in / A414304
Weight	925 lb
Product no	A37510

220	225	423	523	528	530	630	635	640	645i	650i	735	755i	760i	860i	e5
✗	✗	✗	—	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✓



Compatible



Not recommended



Incompatible

Mini digger

Avant mini digger is an efficient solution for small digging operations with maximum digging depth of 47.2 in or 59.1 in. It mounts directly on the quick attach plate of the loader and is operated with the auxiliary hydraulics control lever. Dump to the side by turning the steering wheel.

Mini digger 150 is equipped with the S30 bucket quick attach system (same as on backhoe 260), which makes changing the bucket fast and easy - and the bucket can also be mounted pointing forward if necessary. Bucket tilt adapter and hydraulic thumb grab for mini digger 150 are available as an option. For model 150 bucket needs to be ordered separately.

- ✓ **Efficient and economical solution for smaller digging jobs**
- ✓ **Very fast to mount on Avant**
- ✓ **Simple and light to transport from job site to another**
- ✓ **High unloading height**
- ✓ **Material can easily be transported further away**



Option:

Bucket tilt adapter (Mini digger 150) A35320 (not when thumb grab A444174)

Thumb grab (Mini digger 150) A444174 (not when bucket tilt adapter A35320)

Model	120	150
Max. digging depth	47.2 in	59.1 in
Standard bucket	9.8 in	-
Weight	155 lb	187 lb
Product no	A36822	A36856

Buckets	Mini digger 120	Mini digger 150
9.8 in	A415232	A414301
15.7 in	A415230	A414304
29.5 in	A35564	A35230
39.4 in	-	A35383
Trapezoidal bucket 25.6 in		A21638
Trapezoidal bucket 35.9 in		A36374

	220	225	423	523	528	530	630	635	640	645i	650i	735	755i	760i	860i	e5
120	✓	✓	✓	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
150	✗	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓



Compatible



Not recommended



Incompatible



New

Mini digger 180

Mini digger 180 features hydraulic boom swing: the boom can be turned 60° to the right or to the left from centerline. This makes the mini digger even more versatile than before:

- By turning the boom to the side the bucket can be emptied without the need of moving and articulating the loader
- The optional tilt adapter makes it possible to dig with the bucket in many different angles, and it is also possible to dig alongside the wall with the boom turned to the side and bucket tilted parallel to the wall

Mini digger 180 is equipped with the same S30 bucket quick attach system as mini digger 150 and backhoe 260, which makes changing of bucket fast and easy - and the bucket can also be mounted pointing forward if necessary. Bucket tilt adapter or hydraulic thumb grab are available as an option. Both cannot be mounted on the mini digger simultaneously.

Because there are two hydraulic functions on the mini digger as standard – boom swing and bucket operation – there is also an electric selector valve for selecting the function. Boom swing and bucket cannot be operated at the same time. The selector valve is controlled with the switches on the optional Opticontrol® control switch pack which is necessary on the loader.

Options:
Bucket tilt adapter A446187 (not when thumb grab A446167)
Thumb grab A446167 (not when bucket tilt adapter A446187)

- ✓ **Efficient and handy digging unit, very fast and easy to mount on the loader**
- ✓ **Hydraulic boom swing, ± 60° to the side from centerline**
- ✓ **Max. digging depth 71 in**
- ✓ **Digging alongside wall possible with the optional bucket tilt adapter**

Model	180
Max. digging depth	71 in
Boom swing angle	±60°
Weight (without bucket)	375 lb
Product no. (without bucket)	A445112
Buckets available	
9.8 in	A414301
15.7 in	A414304
29.5 in	A35230
39.4 in	A35383
Trapezoidal bucket 25.6 in	A21638
Trapezoidal bucket 35.9 in	A36374

The optional Opticontrol® is required on the loader.

Auger

Avant's drilling drives are the ultimate in performance, quality and cost effectiveness. Using only the highest grade materials and strictest quality control, Avant offers the highest quality range of auger drives on the market today.

Fitted with Eaton bell motors and input housing, the innovative design allows the gearbox to go down the hole to maximize drilling depth without extensions, eliminating downtime and minimizes maintenance, optimizing your returns.



- ✓ **Wide range of auger drive units with different torques enables efficient use of 6 in to 36 in auger drills**
- ✓ **The right drive unit for your work depends on the maximum drill diameter needed. Choose the drive unit from the table below**

Model	Auger	Torque	Product no
Direct drive	6-12 in	1000 lb/ft	A37190*
DG1DSS	6-24 in	1467 lb/ft	DG1DSS
DG3DSS	6-36 in	2829 lb/ft	DG3DSS

* see also page 128

Product no.	Auger Size	Drill Bit	Product no.	Auger Size	Drill Bit	Product no.	Auger Size	Drill Bit
DG06EA	6 in	Earth	DG06HD	6 in	Tungsten	DG06RT	6 in	Rock
DG08EA	8 in	Earth	DG08HD	8 in	Tungsten	DG08RT	8 in	Rock
DG09EA	9 in	Earth	DG09HD	9 in	Tungsten	DG09RT	9 in	Rock
DG10EA	10 in	Earth	DG10HD	10 in	Tungsten	DG10RT	10 in	Rock
DG12EA	12 in	Earth	DG12HD	12 in	Tungsten	DG12RT	12 in	Rock
DG14EA	14 in	Earth	DG14HD	14 in	Tungsten	DG14RT	14 in	Rock
DG16EA	16 in	Earth	DG16HD	16 in	Tungsten	DG16RT	16 in	Rock
DG18EA	18 in	Earth	DG18HD	18 in	Tungsten	DG18RT	18 in	Rock
DG20EA	20 in	Earth	DG20HD	20 in	Tungsten	DG20RT	20 in	Rock
DG24EA	24 in	Earth	DG24HD	24 in	Tungsten	DG24RT	24 in	Rock
DG30EA	30 in	Earth	DG30HD	30 in	Tungsten	DGEXT2	24 in	Extension
DG36EA	36 in	Earth	DG36HD	36 in	Tungsten	DGEXT3	36 in	Extension

	220	225	423	523	528	530	630	635	640	645i	650i	735	755i	760i	860i	e5
Direct drive	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	—
DG1DSS	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✗	✗	✗	—
DG3DSS	✗	✗	—	—	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	—



Compatible



Not recommended

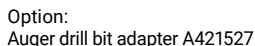


Incompatible



In addition, there is a 90 degree angle adapter available as an option, on which the drive unit can be mounted. It turns the drive unit 90° to the left or right. This means that for instance the carousel broom sweeps on the left side of the loader, and the cable/hose reel is crosswise to the loader and winds the cable longitudinally (in parallel to the loader).

- ✔ Can be fitted with several attachments: Concrete mixing drum, Screw cone log splitter, Screening drum, Cable/hose reel, Carousel broom, Rotary hoe, Angle adapter 90°, Screw pile adapter
- ✔ Torque 1000 lb/ft
- ✔ Auger drill bit adapter available as an option, enables use as auger drive unit



Width	21.7 in
Height	22.0 in
Length	15.9 in
Weight	187 lb
Product no	A37190

126

220	225	423	523	528	530	630	635	640	645i	650i	735	755i	760i	860i	e5
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	⊖

✓ Compatible ⊖ Not recommended ✗ Incompatible

Attachments on multi function drive unit



- A37311 Cable/hose reel**
- Inside width 15.7 in
 - Total width 22 in
 - Reel diameter 7.5 in
 - End plate diameter 19.7 in
 - Weight 55 lb
 - Can also be mounted on the A37323 Angle adapter 90° → winds the cable in parallel to the loader



- A418530 Screw pile adapter**
- Easy way of making screw pile foundations, saves a lot of manual work
 - Mounts on any Avant auger drive unit
 - Fits on 2.4 in screw piles



New model

- A449797 Screw pile adapter, pin type**
- Mounts on the inside of the screw pile
 - allows attaching the adapter also to screw piles with outside flange
 - Mounts on any Avant auger drive unit
 - Fits on 2.4 in screw piles



- A37207 Screening drum**
- Intended for screening of soil, gravel and sand
 - Volume: 24 gal
 - Screening sieve with 2x2 in holes – included also a separate 0.9x0.9 in sieve, which is bolted on the drum when finer screening is required
 - Length 23.8 in
 - Width 19.7 in
 - Height 18.2 in
 - Weight 165 lb



- A37500 Screw cone log splitter**
- Log splitter with a conical splitting screw
 - Splitting screw equipped with a replaceable tip
 - Also equipped with a log holder bar which prevents the log from rotating during splitting
 - Weight 66 lb



- A37317 Carousel broom**
- Same 39.4 in replaceable brush as on A2971 Carousel broom, part no. A32698
 - Weight 150 lb
 - Can also be mounted on the A37323 Angle adapter 90° → sweeps on the left side of the loader



- A37491 Rotary hoe**
- For small scale soil cultivating
 - Equipped with two knife type blades
 - Cultivating depth max. 6.3 in
 - Length 20.9 in
 - Width 6.1 in
 - Height 11.1 in
 - Weight 33 lb



- A37323 Angle adapter 90°**
- Turns the multi function drive unit to point to the left or right
 - Length 24.8 in
 - Width 25.6 in
 - Height 11.8 in
 - Weight 90 lb



- A429932 XL weed brush**
- Consists of 3 pcs 23.6" steel brushes mounted together
 - Max. diameter 48.4"
 - Height 14.8"
 - Weight 140 lb



- A433646 Carousel broom, steel**
- 39.4" brush with steel bristles
 - Weight 150 lb



- A431157 XL wire rope brush**
- Brush with 32 pcs heavy duty wire rope bundles
 - Max. diameter 40"
 - Height 14.6"
 - Weight 80 lb



- A37395 Concrete mixing drum**
- Volume: 37 gal water, 24 gal ready concrete
 - Length 29.9 in
 - Width 23.6 in
 - Weight 110 lb



Trencher

The Avant trencher is a compact yet powerful tool. It features an adjustable depth control foot which ensures the operator digs at a set depth (up to 36 in) at all times and efficient soil removal for effective compaction back into the trench. Three different chain types and three chain widths are available for trenching in different ground conditions from general earth, to rocky ground, and even frozen ground.

The Avant DG90 Trenchers are ideal for laying pipe for irrigation, underground power and communications, road repairs and general construction.



Model	Digging Width	Chain Type	Motor Disp.
DG904EA	4 in	Earth	6.2 cu in
DG904CA	4 in	Combo	6.2 cu in
DG904SA	4 in	Shark Tooth	6.2 cu in
DG906EA	6 in	Earth	6.2 cu in
DG906CA	6 in	Combo	6.2 cu in
DG906SA	6 in	Shark Tooth	6.2 cu in
DG908EA	8 in	Earth	6.2 cu in
DG908CA	8 in	Combo	6.2 cu in
DG908SA	8 in	Shark Tooth	6.2 cu in
DG904ED	4 in	Earth	8.0 cu in
DG904CD	4 in	Combo	8.0 cu in
DG904SD	4 in	Shark Tooth	8.0 cu in
DG906ED	6 in	Earth	8.0 cu in
DG906CD	6 in	Combo	8.0 cu in
DG906SD	6 in	Shark Tooth	8.0 cu in
DG908ED	8 in	Earth	8.0 cu in
DG908CD	8 in	Combo	8.0 cu in
DG908SD	8 in	Shark Tooth	8.0 cu in

	220	225	423	523	528	530	630	635	640	645i	650i	735	755i	760i	860i	e5
900	✗	✗	—	—	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	—
1200	✗	✗	✗	✗	—	—	—	✓	✓	✓	✓	✓	✓	✓	✓	✗



Hydraulic breaker

Avant breakers are specially designed for use with Avant loaders. From three different models you can find suitable for all 400, 500, 600, 700, 800 and e series models.

Avant loader with breaker is a very efficient tool in demolition and refurbishing operations: do the demolition with Avant and breaker, take the debris away with Avant and bucket – very fast and effective. Another benefit of this combination is its compact dimensions:

Avant breakers are the fastest, easiest and most efficient breakers for Avant loaders. All hoses, couplings and quick attach brackets are included in the package. In addition, breakers are pre-adjusted at the factory to suit Avant loaders.

- ✓ **Top quality sound isolated Avant breakers are quiet and powerful**
- ✓ **Breakers are pre-adjusted at the factory to suit Avant loaders. There is a breaker for each Avant model**
- ✓ **All hoses and adapter plates are included in the packaging so the combination is all ready for work**
- ✓ **Multiple tools available chisel, wedge,moil point and blunt**



Model	Impact rate (frequency)	Weight	Product no
B105	600-3200 bpm	231 lb	A36423
B155	800-3000 bpm	342 lb	A36424
B230	700-2600 bpm	507 lb	A36425

	220	225	423	523	528	530	630	635	635*	640	640*	645i	650i	735	755i	760i	860i	e5
B105	✗	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✗	✗	✓
B155	✗	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	—	—	—	✗
B230	✗	✗	✗	✗	✗	✗	—	✓	—	✓	—	✓	✓	—	✓	✓	✓	✗

* With Tier 4 Kubota V1505 engine



Compatible



Not recommended



Incompatible



Asphalt spreader

Asphalt spreader is an efficient and easy to operate attachment for smaller repairs on roads, pavements, yards etc. It is intended for spreading mastic asphalt (guss asphalt) which is made especially for surface repairs. Therefore the spreader doesn't work with traditional asphalt.

The 27.6 in wide asphalt strip is spread by driving forward with the loader. This way the new asphalt surface runs between the wheels of the loader. Hydraulically operated hatch at the bottom of the spreader allows spreading right amount of asphalt to the rear compacting plate which compacts the asphalt - additional compacting with an asphalt roller is not necessary. The unit moves on skid shoes made of Hardox steel.

The required aggregate (sand) spreading on asphalt - to make the new asphalt less slippery - can be done at the same time with the rear mounted Avant sand spreader.

- ✓ **Easy and fast asphalt surface repairs on roads, pavements, parking lots etc.**
- ✓ **Works with mastic asphalt**
- ✓ **Rear compacting plate on the spreader compacts the asphalt, additional finishing with asphalt roller is not necessary**
- ✓ **Aggregate spreading can be done at the same time with the rear mounted Avant sand spreader**



Working width	27.6 in
Total width	35.5 in
Volume	95 gal
Length	41.3 in
Height	35.9 in
Compaction plate height adjustment	0-1.6 in
Weight	530 lb
Product no	A427857



Asphalt grinder

The strong and efficient asphalt grinder (also called cold planer) is an ideal attachment for asphalt road and pavement repairs and utility jobs. It grinds away the asphalt surface up to 3.1 in depth, making repair of potholes, utility cuts, small overlays and edge repairs fast and easy. Different types of teeth are available for grinding of asphalt or concrete.

Water spraying system is available as an option. It is mounted on top of the planer and is equipped with 15.9 gal water tank and nozzle bar (same as on Avant collecting broom), membrane pump and strainer filter. Also, 3 pcs Avant 64 lb counterweights can be mounted on the water tank support frame to add weight when grinding hard asphalt etc. material.

If side shift is needed, the hydraulic side shift adapter A37235 is available as an option. It requires the optional second auxiliary hydraulics front outlet on the loader.



Option:

Water spraying system

- Mounts on top of the grinder
- Water tank 15.9 gal + nozzle bar (same as on Avant 59.1 in collecting broom & bucket broom), membrane pump & strainer filter
- Max. 3 pcs Avant 64 lb counterweights A35957 can be mounted on the water tank support frame
- Product no. A37386

Cutting teeth:

66392 Asphalt tooth (standard)

66393 Concrete tooth

- ✓ **Efficient grinder for asphalt road and pavement repairs and utility jobs**
- ✓ **Different type of teeth available**
- ✓ **Hydraulic side shift adapter and water spraying system for dust binding available as an option**

Working width	11.8 in
Total width	26.0 in
Grinding depth	0-3.1 in
No. of cutting teeth	29 pcs
Height	18.9 in
Length	31.9 in
Weight	540 lb
Product no	A432621

220	225	423	523	528	530	630	635	640	645i	650i	735	755i	760i	860i	e5
✗	✗	✗	✗	✗	✗	✗	✓	✓	✓	✓	✓	✓	✓	✓	✗



Compatible



Not recommended



Incompatible



Concrete mixing bucket

Concrete mixing bucket is a tool when you need to make concrete without electricity or when you need to transport or lift the concrete to a place hard to access. The bucket is equipped with a screw shaft and a guard grill on the bucket. Available in two sizes: a 7.4 cu ft capacity bucket (two versions: emptying from the bottom hatch in the middle of the bucket, or on the left of the bucket), and a larger 11.3 cu ft concrete mixing bucket, intended for 700 and 800 series, is now available. It is equipped with emptying in the middle of the bucket. Hatch opening is powered by a hydraulic cylinder controlled with an electric directional valve, operation from driver's seat with an electric switch. The bucket is also equipped with a flexible 53.1 in emptying tube which mounts on the bottom hatch. This enables pouring of the concrete further away from the bucket.

- ✓ **Easy and efficient way to make concrete in places where electricity is not available**
- ✓ **The mixed concrete is easy and effortless to transport and pour into desired place**
- ✓ **Self loading – sand can be taken to the bucket directly from the pile**
- ✓ **Concrete can be poured to over 6 feet height**



Model	200	350
Total width	58.7 in	66.9 in
Screw shaft diameter	15.7 in	18.9 in
Volume	7.4 cu ft	11.3 cu ft
Empty weight	660 lb	925 lb
Weight at max. capacity	1750 lb	2620 lb
Unloading hatch diameter	7.1 in	7.1 in
Emptying tube length	53.1 in	53.1 in
Product no., emptying in the middle	A36473	A447861
Product no., emptying on the left	A37241	-

	220	225	423	523	528	530	630	635	640	645i	650i	735	755i	760i	860i	e5
200	✗	✗	✗	—	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	—
350	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✓	✓	✓	✓	✗

✓ Compatible — Not recommended ✗ Incompatible



Drum type concrete mixer

Concrete mixing drum is a tool when you need to make concrete without electricity or when you need to transport or lift the concrete to a place that is hard to reach. Mixing is done hydraulically and emptying is done simply by tipping the drum forward.

- ✓ **Economical attachment for more occasional concrete mixing**
- ✓ **Easy way to make concrete in places where electricity is not available**
- ✓ **Ready mixed concrete is easy to transport and lift to desired place**



Volume	3.5 cu ft / 6.0 cu ft
Operation	hydraulic
Weight	143 lb
Product no	A36951

220



225



423



523



528



530



630



635



640



645i



650i



735



755i



760i



860i



e5



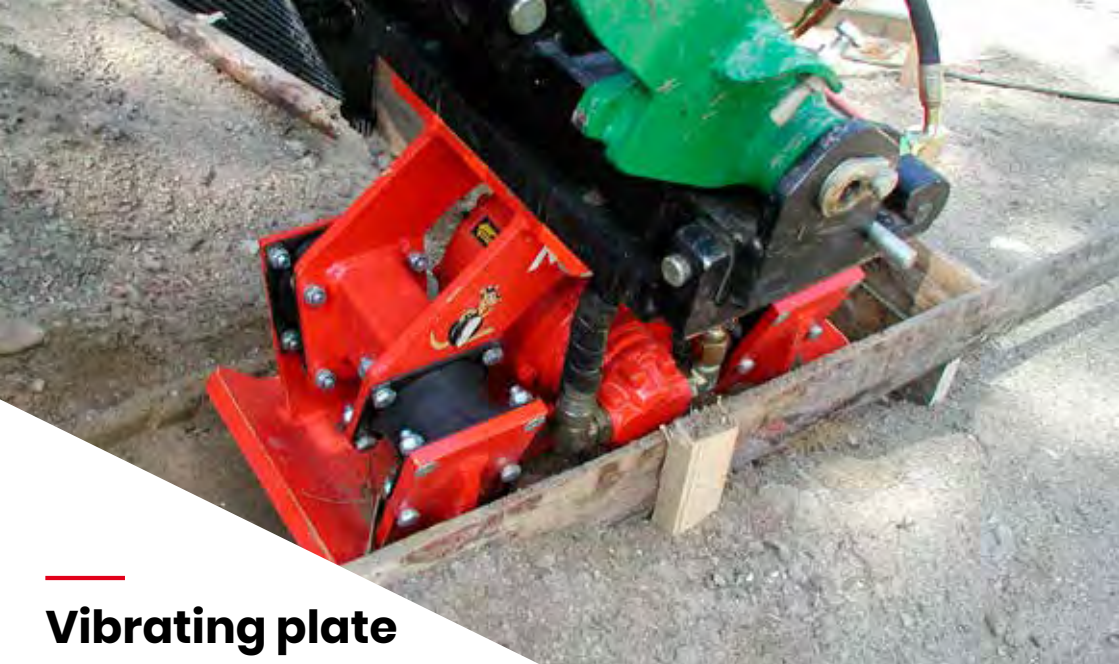
Compatible



Not recommended



Incompatible



Vibrating plate

Vibrating plate is designed for earth compacting and is easy to attach to an Avant. Compacting is easy and safe with the vibrating plate connected to Avant’s quick attach plate – the operator is not exposed to vibrations or excessive noise.

- ✔ **Efficient compacting also in places where bigger compactors don't fit**
- ✔ **Fast and easy mounting on Avant**



Weight	330 lb
Plate size	11.2 x 19.7 in
Impact force	1985 lb
Impact rate	2000 bpm
Product no	A21012

220	225	423	523	528	530	630	635	640	645i	650i	735	755i	760i	860i	e5
✗	✗	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
<div> <div>✔ Compatible</div> <div>— Not recommended</div> <div>✗ Incompatible</div> </div>															

Disc scraper

Disc scraper is an excellent and cost efficient tool for removing of carpet and floor tiles in demolition and refurbishing jobs. The durable disc takes off old carpet and tiles quickly and efficiently.

- ✓ **Efficient and economical carpet remover**
- ✓ **Fits on all Avants**
- ✓ **Equipped with two Avant 64 lb counterweights A35957**



Disc diameter	22.0 in
Length	37.8 in
Width	22.0 in
Height	20.0 in
Weight	183 lb
Product no	A36910

220



225



423



523



528



530



630



635



640



645i



650i



735



755i



760i



860i



e5



Compatible



Not recommended



Incompatible



Submersible pump

Submersible pump is a very useful attachment for situations where larger amounts of water or other fluids need to be drained from trenches, pits, wells etc. Pumping capacity is as high as 528 gal/min and fluid can be taken up from max. 65 ft depth. The pump is equipped with a 54 ft long discharge hose. The 32 ft long hydraulic hose kit is the same as for handheld tools.

- ✓ **Efficient pump for draining of water or other fluids from trenches, pits, wells etc.**
- ✓ **Fluid can be taken up from max. 65 ft depth**
- ✓ **Equipped with 54 ft long discharge hose**

Pumping capacity max.	528 gal/min
Pumping depth max.	65 ft
Aux. hydr. oil flow max.	10 gal/min
Width	13.8 in
Height	27.6 in
Weight	44 lb
Product no.	A36708

Option:
Hydraulic hose kit, 32 ft, with multi-connector A36707

220

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635

640

645i

650i

735

755i

760i

860i

e5

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Compatible

Not recommended

Incompatible



All-round grapple

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. The grapple is equipped with a hydraulic cylinder in the upper grapple part and it opens all the way up in vertical position. This, together with the pressing force of the cylinder, gives excellent loading and handling capabilities. Total width is 35.4 in - this allows traveling through narrow doorways and working in small spaces.

✔ Simple and robust hydraulic grapple for handling of various materials



Width	Weight	Product no
35.4 in	143 lb	A110

220	225	423	523	528	530	630	635	640	645i	650i	735	755i	760i	860i	e5
✔	✔	—	✘	✘	✘	✘	✘	✘	✘	✘	✘	✘	✘	✘	✘
✔ Compatible			— Not recommended			✘ Incompatible									



Silage fork

A robust silage fork equipped with a powerful hydraulic cylinder, can be fitted on all Avant loader models. The strong blade type pins of the grapple penetrate into all types of feed. The fork has replaceable lower tines made of reinforced steel. The grapple goes up to vertical position which allows easy grabbing of round bales.

- ✓ **Compact model, which is well suited for silage distributing in small and confined places.**
- ✓ **The front edges on the forks are rounded, which offers a smaller turning diameter**
- ✓ **Mounting plate which increases tipping angle by 17 degrees is available as an option**



Width	Weight	Product no
31.5 in	265 lb	A428328
35.5 in	280 lb	A36299
41.3 in	305 lb	A36313
51.2 in	355 lb	A36319

Option:
Mounting plate which increases tipping angle by 17 degrees A36337
(only for special applications, risk of puncturing the front tires)

220

225

423

523

528

530

630

635

640

645i

650i

735

755i

760i

860i

e5

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✓

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✓

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✓

Compatible

Not recommended

Incompatible



XL Silage grab

The larger silage grab series is intended for Avant 500, 600, 700 and 800 series loaders, with three different widths to match machines perfectly. The new series can carry up to 30 % more silage without losing visibility on the feeding table. Open grab construction on the top offers better visibility when the grab is open. Strong heavy duty construction with two cylinders. Forged bolt-on tines also on the top grab.

- ✓ **Larger silage grab model, designed for larger jobs**
- ✓ **The top grab construction is completely open from the middle improving visibility when driving while the grab is open.**
- ✓ **Top grab has two cylinders for improved compression power**



Width	Weight	Product no
51.2 in	507 lb	A441007
57.1 in	540 lb	A440998
63.0 in	573 lb	A440586

Option:

Mounting bracket which increases tipping angle by 17 degrees A34587

220	225	423	523	528	530	630	635	640	645i	650i	735	755i	760i	860i	e5
✗	✗	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓



Compatible



Not recommended



Incompatible



Silage dozer blade

Intended for moving uneaten silage back to the cattle on the feeding table. Mounts on the normal or XL silage grab simply by closing the upper grapple on the dozer blade. The blade can be grabbed with the silage grab from two sides which means that it can move the silage both to the right or to the left. Equipped with a durable nylon blade.

- ✓ **Easy and economical way to push uneaten silage back to the cattle on the feeding table**
- ✓ **Mounts on normal and XL silage grabs**
- ✓ **Can be grabbed from two sides – moves silage to the right or to the left**



Blade length	70.9 in
Working width	45.7 in
Blade height	15.7 in
Weight	200 lb
Product no	A37111

220	225	423	523	528	530	630	635	640	645i	650i	735	755i	760i	860i	e5
✗	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
<div> <div>✓ Compatible</div> <div>— Not recommended</div> <div>✗ Incompatible</div> </div>															



Feeding table cleaning blade

This cleaning blade is specially designed for clearing the cattle feeding table before distributing new silage to the table. The cleaning blade can be mounted by driving the silage fork into the blade. There is no need to get out of the driver's seat which speeds up the cleaning process because no attachment change is necessary. The cleaning blade has a rubber lip on the lower surface that ensures good cleaning result.

ATTENTION! Available only together with Avant silage forks.

- ✓ **The easiest way to clean the cattle feeding table**
- ✓ **Mounts on Avant silage forks: drive the fork into the blade with the grapple open and press the grapple down to lock the blade so no need to get out of the driver's seat.**



Option:
Extra side extension A46337

For silage fork

Width	47.2 in
Side extension width	21.7 in
Weight	110 lb
Product no	A2936

For XL silage grab

Width	65.0 in
Side extension width	21.7 in
Weight	165 lb
Product no	A35512

220	225	423	523	528	530	630	635	640	645i	650i	735	755i	760i	860i	e5
✗	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓



Compatible



Not recommended



Incompatible



Side hatches can be opened and closed manually - hydraulic operation of the hatches is available as an option.

- ✔ **Quick and easy way to distribute silage**
- ✔ **Silage can be distributed to the left or the right side**
- ✔ **Can be tilted down to ground level and filled like a normal bucket**
- ✔ **Manual side hatch adjustment as standard, hydraulic side hatch operation available as an option**



The optional Opticontrol® is required on the loader with hydraulic side hatch operation

Option:
A429734 Hydraulic side hatch operation



Feed mover screw

Efficient way of moving uneaten feed back in front of the cattle. When moving, the screw mixes the feed and the fresh feed remains on top.

With the feed mover screw drive speed can be higher, 6 mph. Feed can be moved both to the right and to the left simply by changing the rotation direction. The plastic scraper blade at the rear of the attachment cleans the feeding table very efficiently.

- ✓ **Fast and easy way of moving feed to the animals**
- ✓ **Discharge in both directions**
- ✓ **High efficiency, also on larger farms**
- ✓ **Scraper blade cleans the feeding table efficiently**



Working width	55.1 in
Total width	64.4 in
Weight	265 lb
Product no	A21506

220	225	423	523	528	530	630	635	640	645i	650i	735	755i	760i	860i	e5
✗	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓



Compatible



Not recommended



Incompatible



Silage block cutter

Powerful and robust silage cutters with two hydraulic cylinders. With the silage cutter you can easily cut silage directly from the silo and take it to the cattle. Cutting blades are made of special steel; they cut very efficiently and leave a clean and even surface in the silo. This prevents air getting into silage and warming up. Thanks to the open design of the cutting blade visibility during silage distribution is very good. Lower tines are made of hardened steel.

- ✔ Strong and robust design, cuts efficiently also tightly packed silage
- ✔ 39.4” cutter and 51.2” cutter
- ✔ Open design – good visibility also when distributing the silage
- ✔ Strong lightweight construction
- ✔ Tines made of hardened steel



Width	39.4 in	51.2 in
Weight	540 lb	617 lb
Product no	A21276	A21257

Carousel broom

The hydraulically operated carousel broom is a useful attachment when sweeping materials to the side or away from the wall. Rotates in both directions, can be angled manually to both sides by max. 57 degrees (42.9 in), which allows sweeping next to the wall. Carousel broom can be used for various sweeping tasks especially in farm environments.

- ✓ **Strong broom, moves materials efficiently**
- ✓ **Side shift allows brushing next to the wall also**
- ✓ **Rotates in both directions**
- ✓ **Can be turned manually to both sides, in different positions, by max. 57 degrees (42.9 in) – allows sweeping next to the wall also**
- ✓ **Equipped with replaceable 39.4 in diameter nylon brush**

Width	39.4 in
Broom diameter	39.4 in
Turning angle max.	+/- 57 °
Broom material	Nylon
Weight	154 lb
Product no	A2971



220



225



423



523



528



530



630



635



640



645i



650i



735



755i



760i



860i



e5



Compatible



Not recommended



Incompatible



Round bale grab

With the round bale grab you can lift and transport wrapped silage bales, hay bales and other round bales without damaging the plastic wrapping or net. The sturdy, yet light, construction maximizes lift capacity (see the table below).

- ✓ **The round bale grab transports all wrapped bales without damaging the wrappings**
- ✓ **With Avant and bale grab you are able to pile three round bales on top of each other**



Weight	265 lb
Max. bale weight	
Avant 400 series	880 lb
Avant 520/523	1215 - 1435 lb
Avant 528/530	1875 - 2095 lb
Avant 600 series	2095 - 2315 lb
Avant 700 series	2425 - 2645 lb
Avant 800 series	2425 - 2645 lb
Max. grab width	59.0 in
Bale diameter	37.4 - 57.1 in
Product no	A21166



Bale handler

Bale handler is an economical way to handle wrapped bales, without damaging the plastic wrapping. Distance between the forks can be adjusted manually. Bale handler is a good choice if the bales can always be handled sideways and don't need to be grabbed.

- ✓ **Economical way to handle wrapped bales**
- ✓ **Adjustable fork width**
- ✓ **Useful attachment for situations where bales don't need to be grabbed**
- ✓ **Equipped with load support frame**



Width min.	40.7 in
Weight	183 lb
Product no	A36262

220



225



423



523



528



530



630



635



640



645i



650i



735



755i



760i



860i



e5



Compatible



Not recommended



Incompatible



Bale fork

With the round bale fork transporting and lifting of unwrapped round bales is easy and safe. Square bale fork makes it easy and safe to transport and lift unwrapped square bales.
Strong and simple construction ensures a long lifespan.

- ✓ **Easy and economical way to lift and transport bales**
- ✓ **Two models: for round and square bales**



Model	Square bale fork	Round bale fork
Width	39.6 in	48.0 in
Length	45.1 in	45.3 in
Weight	130 lb	120 lb
Tines	3 pcs	2 pcs
Prod. no	A410225	A410224



Round bale splitter

Avant round bale splitter cuts even frozen bales which are otherwise hard to handle.

Splitting is fast and efficient thanks to the form of the cutting blade and the strong hydraulic cylinder. The bale can also be transported with the splitter. Wide and open design allows splitting of various size bales.

- ✓ **Efficient round bale splitter, splits also frozen bales**
- ✓ **Bales can also be transported with the splitter, without splitting**
- ✓ **Wide and open design allows splitting of various size bales**



Splitting force	48500 lb
Tines	2 pcs long, 2 pcs short
Cutting blade length	78.2 in
Total length	80.7 in
Width	49.2 in
Height with blade up	86.6 in
Height with blade down	38.6 in
Weight	670 lb
Product no	A36199

220	225	423	523	528	530	630	635	640	645i	650i	735	755i	760i	860i	e5
✗	✗	—	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	—



Compatible



Not recommended

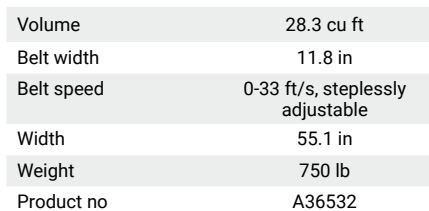


Incompatible



The bucket is equipped with a mixing shaft which distributes the material evenly on the belt. Discharge to the left or to the right. Rubber scraper blade, designed for cleaning the floor grates, is available as an option. It mounts under the bucket.

- ✔ **Efficient distribution of various types of beddings**
- ✔ **Equipped with a 11.8 in wide belt – belt speed seamlessly adjustable by adjusting engine RPM's**
- ✔ **Discharge to the left or to the right**
- ✔ **Rubber scraper blade for floor cleaning available as an option**



Option:
Rubber scraper blade A37162



Manure fork

Avant manure fork is a very useful attachment, designed for detaching and handling of manure and similar materials. The strong tines, made of high tensile forged steel, penetrate into compacted manure and can carry a heavy load.

- ✓ **Strong fork for handling of manure and similar materials**
- ✓ **Equipped with bolt-on replaceable tines, made of high tensile forged steel**



Width	43.3 in
Tine length	39.4 in
Fork length	43.7 in
Height	16.3 in
Weight	132 lb
Product no	A36038

220



225



423



523



528



530



630



635



640



645i



650i



735



755i



760i



860i



e5



Compatible



Not recommended



Incompatible



Grain/flour dispenser bucket

Avant grain dispenser is a 10.6 cubic foot bucket equipped with a hydraulic motor and a 8" screw, designed for distribution of flour, crushed grain etc. Discharge to the right side.

The edge of the grain dispenser tilts all the way down so that loading from ground level is easy. The bucket is available in two versions: with discharge either to the right side or to the left side.

- ✓ **Easy distribution of flour, crushed grain etc.**
- ✓ **When needed loading from ground level like with a normal bucket is also possible**
- ✓ **Two versions available: discharge to the right or to the left**



Volume	10.6 cu ft
Width	43.3 in
Weight	198 lb
Product no., discharge to the right	A1194
Product no., discharge to the left	A36559



Grain/flour dispenser bucket XL

The large volume 132 gal grain dispenser bucket is designed especially for bigger Avant loaders. It is an ideal attachment for distribution of flour, grain, crushed grain, different types of feed in granule form etc. Thanks to the strong 8.3 in hydraulic discharge screw which can be rotated in both directions the material can be distributed to the right or to the left side. The adjustable side hatches with proper sealing guarantee that the material doesn't fall out unintentionally. The bucket can be tilted all the way down so that loading from ground level is easy.

Two models available: with manual side hatch adjustment or with hydraulic side hatch adjustment.

- ✓ **Quick and easy way to distribute grain, crushed grain, flour and feed in granule form**
- ✓ **Material can be distributed to the left or the right side**
- ✓ **Can be tilted down to ground level and filled like a normal bucket**
- ✓ **Available with either manual or with hydraulic side hatch adjustment**

Volume	132 gal
Bucket width	51.2 in
Total width with rubber guide flaps	65 in
Height	37.8 in
Length	37.0 in
Weight	550 lb
Product no. manual side hatches	A435290
Product no. hydraulic side hatches	A439905



220	225	423	523	528	530	630	635	640	645i	650i	735	755i	760i	860i	e5
✗	✗	—	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓



Compatible



Not recommended



Incompatible



Notice: Please also read the disclaimer on page 175 about mounting the adapter on Avant loaders

- ✔ **Easy way to handle 3-point attachments with Avant**
- ✔ **Equipped with CAT2 tractor hitch as standard – CAT1 mounting kit is available as an option**
- ✔ **Avant trailer ball hitches can also be mounted, as an option**



Option:
CAT1 mounting kit A418980
Trailer ball hitch A417323
Trailer ball hitch with towing pin A417337

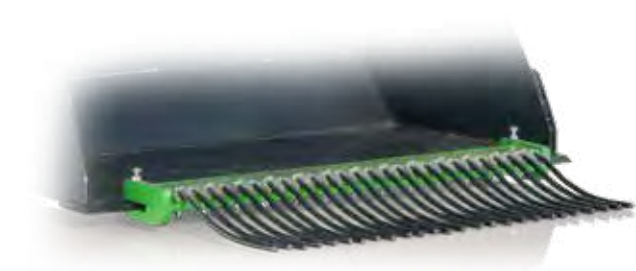




Horse manure collector

Horse manure collector is a simple and economical way to collect horse manure. It works well on many surfaces (saw dust, horse arenas). Mounts directly on any Avant bucket.

- ✔ Simple and economical way to collect horse manure
- ✔ Mounts on Avant general and light material buckets



Width	37.4 in
Weight	65 lb
Product no	A36292

- 220
- 225
- 423
- 523
- 528
- 530
- 630
- 635
- 640
- 645i
- 650i
- 735
- 755i
- 760i
- 860i
- e5



Front cultivator

Front cultivator can be used together with the horse arena harrow. It is especially useful in a more compacted arena or an outdoor riding area. It is equipped with large tines which loosen the soil and make harrowing of the arena easier. Equipped with two wheels in the front.

- ✔ **Efficient and easy way to loosen compacted soil**
- ✔ **Equipped with replaceable tines**
- ✔ **Can be mounted on all Avants**



Width	55.5 in
Length	28.5 in
Height	24.8 in
Number of tines	7 pcs
Working depth	0 - 6 in
Weight	176 lb
Product no	A36555



New

Spring tine cultivator

The towable spring tine cultivator with 59 in working width is a useful attachment for the maintenance of outdoor horse arenas, and cultivating fields. There are 15 spring loaded S tines with replaceable teeth in two rows which cultivate the soil up to 4 in depth. Working depth can be adjusted by adjusting the height of the rear field roller.

Compared with the horse arena harrow, the spring tine cultivator goes deeper in the ground whereas the horse arena harrow with straight tines and dozer blade is intended for harrowing and levelling the surface. That's why the spring tine cultivator is suited for arenas with gravel or sand sub-base – where there is no geotextile fabric, rubber or other materials which the tines could dig up. The cultivator is also a great tool for a hobby farmer for cultivating smaller fields and similar surfaces.

Spring tine cultivator works with all articulated Avant loader models. The loader must be equipped with the 2 inch trailer ball hitch. If the optional hydraulic support wheels are mounted on the cultivator, the optional double acting rear auxiliary hydraulics outlet is required on the loader.

Options include manually or hydraulically operated support wheels (same as for horse arena harrow), side wheel and side scraper blade for working close to the wall in indoor arenas.

Options:

- Manually operated support wheels, product no. A36593
- Hydraulically operated support wheels, product no. A37547
The loader must be equipped with the optional double acting rear auxiliary hydraulics outlet.
- Side wheel A418962
- Side scraper blade A36471
- Quick attach plate, look at page 177 A449060

- ✓ **Useful attachment for maintenance of outdoor horse arenas, cultivating fields etc.**
- ✓ **Equipped with 15 pcs S type tines with replaceable teeth**
- ✓ **Working depth up to 4 in, adjusted with the rear field roller**
- ✓ **Support wheels (manual or hydraulic), side wheel and side scraper blade available as an option**

Working width	59.1 in
Working depth	0 – 4 in
Weight	408 lb
Product no	A442314

220	225	423	523	528	530	630	635	640	645i	650i	735	755i	760i	860i	e5
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓



Compatible



Not recommended



Incompatible



Horse arena harrow

The horse arena harrow is intended for levelling and loosening of horse arena riding surfaces. The harrow has two spring loaded tine rows which loosen the surface, a leveller that makes the surface completely even and a tilling roller that compacts the ground and leaves a finished surface perfectly suited for a horse's hoof. The harrow doesn't damage the lower levels (understructure) of the riding surface.

The horse arena harrow features:

- A clearing shovel which takes away and levels the sand from the sides of the riding arena.
- A tilling roller that smoothenes the harrowed ground and leaves a finished surface.
- A large wheel that protects the walls of the riding arena in case the harrow hits the wall.



Options:

- Manually operated support wheels, product no. A36593
- Hydraulically operated support wheels, product no. A37547. The loader must be equipped with the optional double acting rear auxiliary hydraulics outlet.
- Weights with handle, 64 lb, which can be mounted on the harrow to increase weight and make harrowing more efficient. With two weights the harrow works on almost any surface. The weight is the same extra weight as on Avant loader, product no. A35957.
- Water spraying system, product no. A37065
- Quick attach plate, look at page 177 A449060

- ✔ **A professional harrow that makes it easy to keep the horse arena in top condition**
- ✔ **Can be adjusted for several kinds of riding surfaces**
- ✔ **Once the adjustments have been done the harrow is very easy to use**
- ✔ **Two types of support wheels – manually or hydraulically operated – available as an option: the harrow can be lifted off the ground and towed to desired place**
- ✔ **Water spraying system available as an option, with 32 gal water tank**

Working width	53.2 in
Weight (without 64 lb extra weights)	365 lb
Product no	A21646

The optional Opticontrol® is required on the loader with water spraying system

220	225	423	523	528	530	630	635	640	645i	650i	735	755i	760i	860i	e5
✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
<div> <div>✔ Compatible</div> <div>— Not recommended</div> <div>✘ Incompatible</div> </div>															

Big bag transporter

With the big bag transporter you can lift and transport big bags safely and securely. This simple attachment makes loading of fertilizer or stacking big bags as easy as it can get.

- ✓ **An inexpensive and safe way to handle big bags**
- ✓ **Lift hook can be adjusted in four different heights between 47 - 71 in**

Lift hook height	47.0 - 71.0 in
Width	39.4 in
Weight	176 lb
Product no	A36221

220



225



423



523



528



530



630



635



640



645i



650i



735



755i



760i



860i



e5



Compatible



Not recommended



Incompatible

Compressor

The Avant compressor makes it possible to have compressed air anywhere you go. Creates maximum 105 gal/min at 115 PSI pressure and can be used for running power tools and in circumstances where electricity is not available.

- ✓ **Easy way to get compressed air e.g. for pneumatic power tools**
- ✓ **Makes it possible to fill large tires (agricultural & construction machines for example) in places where electric current is not available**
- ✓ **Fast cleaning of big machines with compressed air: combined harvester, construction machinery etc.**



Product no
A35409

220



225



423



523



528



530



630



635



640



645i



650i



735



755i



760i



860i



e5



Compatible



Not recommended



Incompatible



Pressure washer

This powerful pressure washer with 65 foot hose reel is easy to take anywhere with the Avant. Has a maximum 8 gal/min water flow and 2900 PSI pressure. It can be connected directly to a water hose or a barrel.

It can suck water via inlet hose from as much as 10 feet below the level where the unit is. This is a very useful feature when taking water from a tank, reservoir, lake etc.

- ✓ **Powerful washer with high max. water flow and pressure**
- ✓ **Can be connected directly to tap, or with the inlet hose take water from as much as 10 ft below ground level**
- ✓ **Equipped with 65 foot hose reel and washing gun**



Max. water flow	Product no
8 gal/min @ 2900 PSI	A35411

220	225	423	523	528	530	630	635	640	645i	650i	735	755i	760i	860i	e5
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	—
<div> <div>✓ Compatible</div> <div>— Not recommended</div> <div>✗ Incompatible</div> </div>															



Winch

The Avant hydraulic winch enables towing of all kinds of objects (e.g. logs, poles, boats) from places where you cannot drive with the machine.

The winch is equipped with a safety net, 100 feet of cable and a towing hitch. It is powered by a powerful hydraulic motor and mounts on Avant's quick attach plate.

Using the winch is simple enough that even a one-man team can easily utilize it. The auxiliary hydraulics lever is switched to continuous flow from the driver's seat, which releases the cable drum so that the cable can be pulled out by hand. When the cable is attached to the desired object, operator returns to driver's seat and turns the auxiliary hydraulics lever in the opposite direction and the winch begins to reel in the cable. The winch stops as soon as the auxiliary hydraulics control lever is released.

- ✓ **Powerful and compact hydraulic winch for various tasks**
- ✓ **The winch is mounted directly on Avant's quick attach plate, so you can also use the boom for lifting materials with the winch.**
- ✓ **Equipped with wire rope guiding rollers**



Max. Pulling power	2200 lb
Max. Reeling speed	7.5 ft/sec @ 5.3 gal/min (recommended oil flow)
Wire length	100 ft
Weight	231 lb
Product no	A36960

220	225	423	523	528	530	630	635	640	645i	650i	735	755i	760i	860i	e5
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	—



Compatible



Not recommended



Incompatible



Tree shear

Avant tree shear is an efficient and useful tree cutter, intended for forest thinning, tree clearance and similar jobs where smaller trees need to be cut. The strong grapple takes a firm grip of the tree trunk and a hydraulic cylinder pushes the cutting blade against the trunk and cuts it. The tree is then easy and fast to move away with Avant. If needed, the cutting blade can be turned 180 degrees to point backwards. This means it doesn't cut and the unit can be used as a grapple only.

- ✓ **Powerful tree cutter for up to 7.5 in diameter trees**
- ✓ **Excellent tool for forest thinning, tree clearing**
- ✓ **Thanks to the strong grapple the tree is easy to take away with Avant**
- ✓ **Can also be used as a grapple only, by turning the cutting blade to point backwards**



Tree diameter	max. 7.5 in
Grapple opening	30.3 in
Weight	243 lb
Product no	A35831

220	225	423	523	528	530	630	635	640	645i	650i	735	755i	760i	860i	e5
✗	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
<div> <div>✓ Compatible</div> <div>— Not recommended</div> <div>✗ Incompatible</div> </div>															



Log grab, heavy duty

A strong log grab for customers who need to move tree trunks, logs etc. The grab firmly grips the wood with lower tines formed for grabbing bigger tree trunks.

- ✓ Heavy duty design allows grabbing of larger logs
- ✓ Grabbing and transporting of bigger stones and similar objects also possible



Width	33.3 in
Height	39.0 in
Weight	396 lb
Product no	A415691

220	225	423	523	528	530	630	635	640	645i	650i	735	755i	760i	860i	e5
✗	✗	✗	—	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	—
			✓ Compatible	— Not recommended			✗ Incompatible								



Log grab

The Avant log grab mounts on Avant pallet fork. 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 can therefore also lift bigger stones, as well as branches, fence poles and similar objects.

- ✓ **Easy mounting on pallet fork**
- ✓ **Basic attachment for fencing and forest work**
- ✓ **Grabbing and transporting of stones and similar objects also possible**
- ✓ **Must order both log grab and desired pallet fork**

Max. diameter	Min. diameter	Weight
35.4 in	7.0 in	110 lb

Product no	Description
A33503	Log grab
A21047	33.5" pallet fork
A21039	43.3" pallet fork
A36589	47.2" pallet fork





Timber grab

Timber grab is an attachment that allows you to grab tree trunks, branches, wood waste, curb stones etc. and transport them both lengthwise and crosswise. This makes it possible to pass through narrow places with long logs and enables loading on trailer or on a pile in any direction. Timber grab is available either with a hydraulic rotator or as freely rotating version. If the loader is equipped with the 6 or 8 function joystick, all functions of the grab with hydraulic rotator (grab opening/closing, rotation) can be operated with the switches on the optional Opticontrol® switch pack.

- ✓ Available with hydraulic rotator
- ✓ Grapple opening 48.1 inches
- ✓ Versatile grab for transporting and loading of tree trunks, branches, curb stones etc.
- ✓ Rotating grab requires attachment control switch pack



Option:
Arborist kit A427744
Lock valve, mounting kit, on grab cylinder A436627

Rotation type	Freely rotating	Hydraulic rotation
Grapple opening diameter	48.1 in	48.1 in
Grip area	1.72 ft ²	1.72 ft ²
Weight	255 lb	300 lb
Product no	A37457	A37456

The optional Opticontrol® is recommended with grab with hydraulic rotator, for operating the grab opening/closing and rotation (requires also 6 or 8 function joystick on the loader).

220	225	423	523	528	530	630	635	640	645i	650i	735	755i	760i	860i	e5
✗	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

✓ Compatible
— Not recommended
✗ Incompatible



Timber grab HD

The heavy duty timber grab is equipped with a stronger boom, hydraulic rotator and a larger grapple. It is intended especially for Avant 700 and 800 series. The arborist kit which mounts on the boom is also standard feature. When cutting a tree you can push the tree down with it if necessary, instead of pushing by hand. It is also possible to attach a rope on the bracket on the kit, which enables towing the logs by pulling them with the loader.

- ✓ **HD grab with stronger boom and rotator and larger grapple**
- ✓ **Arborist kit as standard**
- ✓ **Intended especially for 700 and 800 series**



Rotation type	Hydraulic
Grapple opening diameter	52.8 in
Grip area	2.15 ft²
Weight	620 lb
Product no	A438973

Mounting on loader's quick attach plate

Rotation type	No rotation	Hydraulic
Grapple opening diameter	52.8 in	52.8 in
Grip area	2.15 ft²	2.15 ft²
Weight	355 lb	465 lb
Product no	A436473	A437203

There are also two timber grab models which mount directly on the attachment coupling plate of the loader: one with hydraulic rotator and one without rotator. They are equipped with the same grapple as the A438973 HD grab.

The optional Opticontrol® is recommended with grab with hydraulic rotator, for operating the grab opening/closing and rotation (requires also 6 or 8 function joystick on the loader).

	220	225	423	523	528	530	630	635	640	645i	650i	735	755i	760i	860i	e5
with boom	✗	✗	—	—	—	—	—	—	—	—	—	✓	✓	✓	✓	—
no boom	✗	✗	—	—	—	—	✓	✓	✓	✓	✓	✓	✓	✓	✓	—



Root grapple

The hydraulic root grapple is a strong and versatile attachment for handling of trees and roots etc.

The heavy duty design features plenty of clamping power ideal for loading and piling brush, logs, rocks and light demolition debris. Hydraulic cylinders, hoses and fittings are well protected against falling debris.

- ✓ **Versatile hydraulic grapple for tree and root removal**
- ✓ **Two models available: 35.4 inch wide with single grapple, 51.2 inch wide with two grapples**



Width	Weight	Product no
35.4 in	291 lb	A440857
51.2 in	405 lb	A37537

	220	225	423	523	528	530	630	635	640	645i	650i	735	755i	760i	860i	e5
900	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
1300	✗	✗	—	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	✓ Compatible	— Not recommended	✗ Incompatible													



Stump grinder

Avant stump grinder is an efficient and easy to operate tree stump remover. The cutting disc is mounted crosswise in relation to the loader, which means it throws the wood waste to the right side – the waste doesn't fly on the operator or the loader. In addition, the stump grinder is equipped with a protective rubber cover which prevents the wood from flying around.

Grinding happens by moving the grinder forward and backward which means easy control with the drive pedals of the loader – or with the tilt movement of the quick attach plate, and the sideways mounting of the cutting disc guarantees excellent visibility to the working area. The cutting teeth have three cutting edges: once a tooth becomes blunt, its fastening bolt is easy to open and turn the tooth so that a sharp cutting edge comes into use.



Option:
Heavy duty tooth kit, teeth with tungsten carbide tip A444671

- ✓ **Equipped with 21.3 in cutting disc with 20 pcs replaceable teeth**
- ✓ **Teeth have three cutting edges – once a tooth becomes blunt it can be turned to get a new sharp cutting edge**
- ✓ **Excellent visibility to the work area, easy to operate**
- ✓ **Rubber damper on the quick attach bracket minimizes vibrations to the loader and makes working smoother**
- ✓ **Support bearing on cutting disc, reduces torsion forces**

Cutting disc diameter	21.3 in
Number of teeth	20 pcs
Width	33.1 in
Height	36.2 in
Length	24.8 in
Weight	385 lb
Product no	A438282

220

✗

225

✗

423

–

523

–

528

–

530

–

630

✓

635

✓

640

✓

645i

✓

650i

✓

735

✓

755i

✓

760i

✓

860i

✓

e5

✗

170

✓

Compatible

–

Not recommended

✗

Incompatible

New

Horizontal log splitter

Horizontal log splitter is the most economical and simple way to make firewood with Avant. It mounts on the attachment coupling plate of the loader and is operated from the driver's seat. Splitting happens by picking up the log with the splitter and pushing it against the splitting wedge. The log can also be held with the splitter and transported to desired place for splitting.

Splitting force is 8.3 Ton. Maximum log length is 26 in and diameter 11.8 in.

A 4 way splitting wedge is standard equipment, allowing splitting into two or four pieces; a 6 way wedge is available as an option. Wedge height adjustment is manual as standard, hydraulic height adjustment is available as an option.

- ✓ **Horizontal log splitter, mounts on the attachment coupling plate of the loader**
- ✓ **Max. log length 26 in, diameter 11.8 in**
- ✓ **Splitting force 8.3 Ton**
- ✓ **4 way splitting wedge as standard, 6 way wedge available as an option**
- ✓ **Manual wedge height adjustment as standard, hydraulic adjustment available as an option**



Max. log length	26 in
Max. log diameter	11.8 in
Max. splitting force	8.3 ton
Weight	260 lb
Product no	A443168

Options:

A443782 6 way splitting wedge

A443834 Hydraulic splitting wedge adjustment

220	225	423	523	528	530	630	635	640	645i	650i	735	755i	760i	860i	e5
✗	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓



Compatible



Not recommended

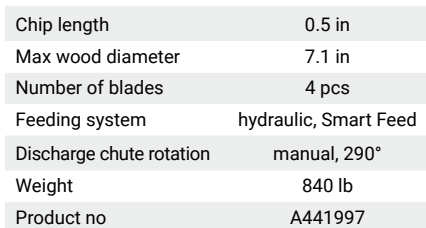


Incompatible



CH180 complies with the latest EN 13525 standard for wood chippers. It meets the criteria of the standard regarding the distance between the infeed chute and blades (min. 59 in), and infeed chute's bottom must be at least 23.6 in above the ground. The Smart Feed rotation control system also includes an electric emergency stop switch.

- ✔ **Powerful wood chipper for professional use**
- ✔ **Smart Feed hydraulic feeding system and cutting disc speed monitoring (no-stress in-feed control) make chipping easier and more efficient**
- ✔ **Meets the requirements of latest safety standards for wood chippers, including electric emergency stop switch**



Options, for attachments

Hydraulic side shift adapter

The hydraulic side shift adapter offers easy, seamless side shift of attachment, operated from the driver's seat. The solid and robust design features strong sliding guides which can also be lubricated. The quick attach plate on the adapter can be mounted in three different positions: on the left or on the right or in the middle of the adapter. This gives three different side shift options: 19.7 in side shift to the right or to the left, or 9.8 in side shift in both directions.

If a hydraulic attachment – 4 in 1 bucket, flail mower, cold planer etc. – is mounted on the side shift adapter, the loader must be equipped with the optional second auxiliary hydraulics outlet in the front, so that the attachment hoses are mounted on the multi connector and the side shift adapter hoses on the optional second outlet.



- ✓ **Easy, seamless hydraulic side shift of the attachment, operated from the driver's seat**
- ✓ **Side shift max. 19.7 in to the right or the left, or 9.8 in in both directions, depending on the mounting of the adapter's attachment plate**
- ✓ **Max. load 2200 lb**

Width	50 in
Height	17.1 in
Length	8.6 in
Weight	255 lb
Product no	A37235

220	225	423	523	528	530	630	635	640	645i	650i	735	755i	760i	860i	e5
—	—	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Side shift adapter

Side shift adapter is a rigid adapter plate which mounts on the loader's attachment coupling plate. It is equipped with two quick attach brackets, side by side, for mounting the attachment. This means that the attachment can be mounted on the adapter in two different positions:

- with side shift: the attachment is 23.6 in to the side from the centerline of the loader's attachment coupling plate
- without side shift: the attachment is mounted on the brackets which are against the loader's attachment coupling plate



- ✓ **Moves attachment 23.6 in to the side from centerline**
- ✓ **Two models available: 23.6 in side shift to the right or to the left**

Side shift adapter	23.6 in, right	23.6 in, left
Width	45.3 in	45.3 in
Height	10.4 in	10.4 in
Length	6.2 in	6.2 in
Weight	100 lb	100 lb
Product no	A37097	A37166

220	225	423	523	528	530	630	635	640	645i	650i	735	755i	760i	860i	e5
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

✓ Compatible
— Not recommended
✗ Incompatible

Tilt adapter

Avant tilt adapter is mounted between the attachment and the loader's attachment coupling plate. With it the attachment can be tilted sideways, and makes it possible to:

- Make different forms to the ground with a bucket or leveller
- Keep pallet fork level when you are driving on surfaces with gradient
- Load pallets that are on uneven ground
- Level ground on uneven surfaces

There are two tilt adapters available:

- Tilt adapter with max. 12.5° tilting in both directions. It is intended for buckets, leveller and pallet fork – for jobs where tilting is a must but the tilting angle doesn't have to be big
- Tilt adapter with max. 90° rotation, or 45° tilting in both directions. It is useful in applications where the attachment needs to be rotated more in order to get the job done: with grabbing tool (rotating of barrels etc.), rock drill, artificial turf attachment (to fit through narrow doors) etc.

The hydraulic cylinder of the 90° tilt adapter can be mounted in two different positions, which gives two tilting angles: either 45° tilting in both directions, or 90° rotation in one direction. The tilt adapter is intended mainly for non-hydraulically operated attachments, but with the optional second auxiliary hydraulics outlet in the front it is possible to mount also hydraulically driven attachments like a 4 in 1 bucket, pallet fork with hydraulic fork adjustment, grabbing tool, artificial turf attachment and rock drill at the same time.

- ✓ **Makes it possible to tilt the attachment sideways and e.g. grade the ground with a bucket or leveller, or load pallets on uneven ground with pallet fork**
- ✓ **Mounts between the attachment and the quick attach plate of the loader**
- ✓ **Two models: with max. ± 12.5° tilting or with max. 90° / ± 45° rotation**



Max. tilt	+/- 12.5°	90°, or ± 45°
Weight	143 lb	187 lb
Product no	A34148	A36505

	220	225	423	523	528	530	630	635	640	645i	650i	735	755i	760i	860i	e5
A34148	—	—	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✓
A36505	—	—	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Attachment rotator

Attachment rotator makes it possible to rotate the attachment 360° continuously (endlessly) in both directions. This is useful in many jobs, for instance when emptying boxes which need to be turned upside down.



- ✓ **Hydraulic rotator makes it possible to empty boxes by turning them upside down, lifting of pallets on uneven ground, turning the attachment 360° etc.**
- ✓ **Mounts between the attachment and the quick attach plate of the loader**

Rotation	360° continuous
Rated max load	2650 lb
Weight	210 lb
Product no	A424406

220	225	423	523	528	530	630	635	640	645i	650i	735	755i	760i	860i	e5
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Adapter plate, weld-on

Avant offers a variety of original adapter plates, which can be welded directly onto:

- An attachment you have developed yourself.
- An object you wish to lift securely with Avant

All original Avant adapter plates will fit, which saves a lot of time consuming measuring and adjusting work from you.



Model	Product no
Quick attach brackets	A31566
Heavy duty quick attach brackets	A37015
Adapter plate 0.4 in	A2471
Adapter plate 0.8 in	A2472

220	225	423	523	528	530	630	635	640	645i	650i	735	755i	760i	860i	e5
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Disclaimer for Avant adapters

The following Avant adapters presented in this catalogue: 3 point hitch adapter A36433; skid steer adapters A437407, A437144, A435531 and A442082 are suitable for use with Avant multi purpose loaders only. For compatibility with Avant loader model please contact your Avant dealer or consult the corresponding Operator's Manual of the attachment.

The adapter is mounted on the Avant loader like other attachments, between the attachment coupling plate of the loader and the attachment of the third party. The Avant adapters are suitable for temporary use, to lift or transport third party attachments occasionally, short distances. The Adapters are not designed for any other use than specified and must not be used for any other purposes than what they are intended for.

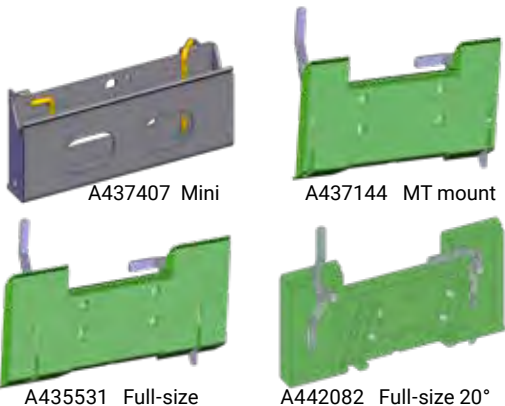
Avant Tecno Oy is not responsible for use or misuse of any third party attachments that are used with Avant adapters. The use of the third party attachments with Avant adapters A36433, A437407, A437144, A435531 and A442082 is done at your own discretion and risk, and with agreement that you will be solely responsible for any personal injuries or material damage.

Skid steer adapter

There are four adapter plates with different widths available which allow mounting of skid steer loader attachments on Avant.

Model	Product no
Mini	A437407
MT mount	A437144
Full-size	A435531
Full-size 20**	A442082

* increases dumping angle by 20°



220	225	423	523	528	530	630	635	640	645i	650i	735	755i	760i	860i	e5
—	—	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

✓ Compatible — Not recommended ✗ Incompatible

Side shift arm 1200

New

The rigid side shift arm is a side shift adapter which places the attachment 47 in to the side from the centerline of the loader's attachment coupling plate. There are quick attach brackets at each end of the arm, which means the attachment can be either on the right or on the left side of the loader. Max. load on the arm is 1100 lb. It allows, for instance, mowing on the side of the loader with the flail mower, cutting bar etc.

The side arm is equipped with a manually operated support leg and a 47 in long hydraulic hose kit (3 hoses) in case the attachment's standard hoses are not long enough to reach the multi connector on the auxiliary hydraulics outlet of the loader.

- ✓ **Rigid side arm, places the attachment 47 in to the side**
- ✓ **Allows, for instance, mowing on the side of the loader with flail mower, cutting bar etc.**
- ✓ **Quick attach brackets at each end – attachment can be on the right or on the left side of the loader**



Length	77.2 in
Weight	130 lb
Max load	1100 lb
Product no	A449089

220	225	423	523	528	530	630	635	640	645i	650i	735	755i	760i	860i	e5
✗	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Drawbar

The rigid drawbar is 40 inches long and equipped with a trailer coupling for ball hitch. It mounts on the attachment's quick attach plate and enables towing of the attachment with the loader. This can be useful with certain attachments, like the roller compactor. Height of the drawbar can be adjusted so that it fits on all models; both on Avant 200 series with lower ball hitch and on bigger Avant models. The loader must be equipped with the 2 in ball hitch.

- ✓ **Rigid drawbar, equipped with trailer coupling for ball hitch**
- ✓ **Mounts on the attachment's quick attach plate – enables towing of the attachment with the loader**
- ✓ **Manual height adjustment, for ball hitches on different Avant models**



Length	40 in
Weight	55 lb
Product no	A37481

220	225	423	523	528	530	630	635	640	645i	650i	735	755i	760i	860i	e5
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Quick attach frame on horse arena harrow and spring tine cultivator

The quick attachment frame is bolted on the horse arena harrow or spring tine cultivator. It is equipped with quick attach brackets so that the attachment can be lifted and transported with the loader, and support wheels are not necessarily needed for moving the harrow away from the arena, for instance. The 64 lb extra counterweights can be installed on the sides of the quick attach frame, and it mounts also on the horse arena harrow equipped with the water spraying system.



Product no. A449060

Multi Connector System



Multi connector
Pressure-Return
65251



Multi connector
Pressure-Tank line
65371



Multi connector
Pressure-Return-Tank line
65250



Multi connector
Loader side
A34366



Flat Faced coupling kit to connect skidsteer
Hydraulics to Avant Multi-connector System
CE565-9656



Adapter cable for attachment's
multi connector
A36679



Multi connector
Parking on attachment
A418927

220	225	423	523	528	530	630	635	640	645i	650i	735	755i	760i	860i	e5
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

✓ Compatible — Not recommended ✗ Incompatible

Filter kits



Product no:	Description
U00001	50 Hour Service Kit 420/423/523
U00002	50 Hour Service Kit 528/530
U00003	50 Hour Service Kit 630/635/640
U00004	50 Hour Service Kit 745/750
U00005	50 Hour Service Kit 755i/760i/860i
U00006	50 Hour Service Kit 220/225/225 LPG
A46683	200 Hour Service Kit 220
A420536	200 Hour Service Kit 225/225 LPG
A416943	200 Hour Service Kit 420/520 (for SN's after 70169)
A425525	400 Hour Service Kit 423/523
A48036*	200/400 Hour Service Kit 528/530
A410961*	200/400 Hour Service Kit 630/635/640
A452698	400 Hour Service Kit 645i/650i
A410784*	200/400 Hour Service Kit 745/750
A418900	400 Hour Service Kit 755i/760i/860i

* Any machine manufactured after 1/1/2015 has a service interval of 400 hours

Wheels & tires



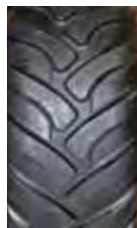
1



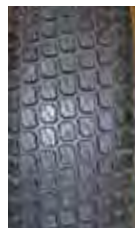
2



3



4



5

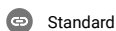


6

Size	Tread	Bolt pattern	Product no:	220	225	423	523	528	530	630	635	640	645i	650i	735	755i	760i	860i	e5
20 x 8.00 - 10	1, TR	4	66231	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗
20 x 8.00 - 10	6, Grass	4	66252	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗
5.00-10*	1, TR	6	65412	⊗	⊗	⊕	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗
5.70-12	2, TR	5	A434525	⊗	⊗	⊕	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗
23 x 8.50-12*	2, TR	6	65046	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗
23 x 8.50-12*	6, Grass	6	65045	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗
23 x 8.50-12	2, TR	5	65995	⊗	⊗	⊗	⊕	⊕	⊕	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊕
23 x 8.50-12	6, Grass	5	65994	⊗	⊗	⊗	⊕	⊕	⊕	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊕
23 x 10.50-12*	4, TR	6	65048	⊗	⊗	⊕	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗
23 x 10.50-12*	6, Grass	6	65047	⊗	⊗	⊕	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗
23 x 10.50-12	4, TR	5	65997	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗
23 x 10.50-12	6, Grass	5	65996	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗
26 x 12.00-12	4, TR	10	65739	⊗	⊗	⊗	⊕	⊕	⊕	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊕
26 x 12.00-12	6, Grass	10	65212	⊗	⊗	⊗	⊕	⊕	⊕	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊕
320/60 - 12 HD	4, TR	10	65224	⊗	⊗	⊗	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊗	⊗	⊕
27 x 8.50-15	2, TR	10	65414	⊗	⊗	⊗	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊗	⊕
26.5 x 14.00-12**	3, Grass	10	65787	⊗	⊗	⊗	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊗	⊗	⊗	⊗	⊕
320/55-15 HD	4, TR	10	65506	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊕	⊕	⊕	⊕	⊕	⊗	⊗
320/55-15 HD	5, Grass	10	65459	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊕	⊕	⊕	⊕	⊕	⊗	⊗
400/50-15	4, TR	10	65958	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗
400/50-15	6, Grass	10	66257	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗
31 x 15.50-15	3, Grass	10	65959	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊕	⊗	⊗
380/55-17	4, TR	10	66505	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊕	⊗
380/55-17	6, Grass	10	A439290	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊕	⊗

* for older 400 series with 6 bolt wheel hubs

** Requires 4 pcs A417486 1.5 in spacers



Standard



Option



Not available

Notes

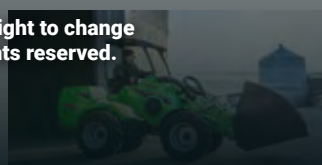
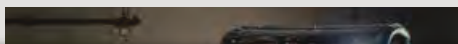
[illegible]

Notes

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

Notes

This image shows a full page of blank, lined paper. It features approximately 20 evenly spaced horizontal grey lines across its entire width, providing a template for handwriting practice or general note-taking. The margins are consistent on all sides.



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