



Fully electric Avant: The whole workday on a single charge

- ✓ 100% electric Avant
- ✓ Avant OptiTemp® battery optimized for Avant loaders with a next generation thermal management system and unique security solutions
- ✓ The right machine for indoor spaces with low ventilation
- ✓ Complies with the tightening emission and noise level regulations at worksites
- ✓ Efficient work in both hot and cold conditions
- ✓ Optidrive® drive system – more power to drive transmission and attachment hydraulics

The renewed Avant e series starts a new era for electric loaders. These third-generation electric loaders are equipped with Avant OptiTemp® lithium-ion batteries, designed by Avant Tecno specifically for Avant loaders. The batteries are manufactured by Avant Power in Ylöjärvi, Finland. The battery capacity of the new loaders in relation to the price is highly competitive, and the globally unique battery technology further improves safety, working time, durability, and lifespan. Avant e series is like the 500 series diesel loaders in terms of dimensions and characteristics – but without the combustion engine emissions or maintenance needs.

The new fully electric loader models, the Avant e513 and Avant e527, are identical in dimensions. The only difference lies in the capacity and weight of the lithium-ion batteries.

The Avant e513 is equipped with a lithium-ion battery with a capacity of 13 kWh. This loader model is a good choice for intermittent use, e.g. for cattle farms, horse stables, nurseries and gardens with greenhouses and other indoor jobs. Depending on the prevailing conditions, the operating time in medium duty loading work is approximately 3 hours.

The Avant e527 has a higher capacity lithium-ion battery (27 kWh). This loader model is ideal for demanding professional use – a great choice for construction and demolition contractors. The operating time in medium duty loading work is up to 6 hours, depending on the prevailing conditions. With a fully charged Avant e527, you can work all day practically on any construction site.



2610 mm



**1420 kg –
1500 kg**



2790 mm



900 kg



**13 kWh
27 kWh**



0 – 10 km/h

Specifications



Machine width

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

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

** Requires 40 mm spacers on the wheel hubs

Charging times

Model	AVANT e513	AVANT e527
On-board charger 3 kW, standard	2 h 50 min	5 h 40 min
Rapid charger 400V/16 A, option	1 h 10 min	2 h 20 min
Rapid charger 400V/32 A, option	-	1 h 10 min

Charging time is affected by prevailing conditions and temperature. The charging times are indicated from 10% to 80% of the battery's available charge level (SOC).

Model	Avant e513	Avant e527
Length	2610 mm	2610 mm
Width	1130 mm	1130 mm
Height	1985 mm	1985 mm
Weight	1420 kg	1500 kg
Standard wheels	23x10.50-12" TR	23x10.50-12" TR
Transmission, drive	hydrostatic Avant Optidrive®	hydrostatic Avant Optidrive®
Drive speed*	10 km/h	10 km/h
Auxiliary hydraulics	30 l/min 185 bar	30 l/min 185 bar
Hydraulic oil cooler	standard	standard
Turning radius inside / outside	995 / 2050 mm	995 / 2050 mm
Lift height	2 790 mm	2 790 mm
Max. tipping load**	900 kg	900 kg
Max. breakout force / 50 cm	1100 kg	1100 kg
Battery type	Avant OptiTemp®, lithium-ion	Avant OptiTemp®, lithium-ion
Capacity	13 kWh	27 kWh
Lithium ion battery voltage	44V	44V
Fuel	electric	electric
Operating time***	3 hours	6 hours

* 15" wheels

** with 180 kg rear side weights

*** In medium duty loading work; no hydraulic attachments used.