

# LEGUAN<sup>®</sup>

## Access platforms





## Leguan - pioneer

Leguan Lifts was the first manufacturer in 1994 who introduced to the market self propelled access platforms equipped with outriggers – today commonly called "spider lifts".

Leguan has from the very beginning capitalised on Avant Tecno's expertise in construction of compact wheeled loaders with hydraulic transmission .

The Leguan concept was created – which, thanks to its versatility, reliability, maneuverability and user friendliness not only made a breakthrough on the market but collected many followers as well.

In the design of the new Leguan 130/160 series we have again taken a step forward. We have utilized both our 20 years' experience in the access platform industry and also the know-how brought about by 30.000 Avant compact wheeled loaders.

The most important features in the design of the new Leguans were:

- **Versatility**
  - the Leguan is well suited both for indoor and outdoor use
  - excellent all terrain capabilities
- **Reliability**
  - high quality components
  - direct hydraulic controls
  - strong, robust construction
- **Efficiency**
  - the self propelled four wheel drive Leguan can be moved quickly to almost any work site
- **Safety**
  - safe operation has always been top priority in the design of the Leguan

## Booms – perhaps the most important part of an access platform

The boom construction of the Leguan is very strong and solid, and thanks to the direct hydraulic controls boom movements are very smooth and accurate. All movements are stepless and can be operated simultaneously.

The modern boom system consists of three strong booms (two booms in 125). Upper boom is equipped with a hydraulic telescope. The Leguan 160 is also equipped with a jib boom. Platform rotation is standard feature on the bigger model as well.

The advanced and strong three boom design, equipped with telescopic upper boom, jib boom and platform rotation makes Leguan the best choice for the most demanding working conditions.

Thanks to this three boom design working e.g. at walls is easy: distance between wall and platform remains practically the same when the lower booms are being lifted or lowered.







## Outriggers

The movement range of the outriggers on the Leguan is big, which means the lift can be set up on very uneven terrains. Each of the four hydraulic outriggers is equipped with a pressure sensing set up control system. This means the lift can safely be set up in varying ground conditions.

Also the type of outrigger foot can be selected to best suit the working conditions:

- Standard foot equipped with plastic wear pad. This foot is designed also for indoor use and in many cases gives sufficient support in outdoor works as well
- Big foot for soft grounds like sand and rough terrain
- Big special foot with efficient anti slip studs; destined for snow, ski slopes etc.

## Leguan is equipped with the strong Avant undercarriage

The drive system of the Leguan is based on the hydraulic transmission developed by Avant Tecno for Avant loaders. The Leguan is available either on wheels with hydraulic four wheel drive or with a robust crawler track chassis – whichever suits your needs best.

**Leguan 130/160 on wheels** works very well both in outdoors and indoors jobs. Thanks to the continuous four wheel drive the machine has excellent all terrain capabilities. Strong, uncomplicated and practically service free construction is the advantage of Leguan with wheels.

**Leguan 130/160 with crawler track chassis** is the right solution when the machine is operated almost only on soft grounds: sand, in the forest, in the snow etc.

## Versatile power sources

Only top class engines are used in the Leguan: Honda petrol and Kubota diesel.

**Honda** 13 hp petrol engine is a good solution when a more economical machine is needed. The Honda engine has proven its reliability on thousands of Avant loaders already.

**Kubota** 14 hp diesel engine is an excellent solution when low operating costs, high reliability and trouble free operation are required. Over 30.000 Avant loaders are already running with a Kubota diesel engine.

**230V electric propelling** is also available as an option. It is mounted alongside the combustion engine and is an excellent equipment for indoor use – and the silent electric motor is often an advantage also in outdoor jobs. No wonder that most of the Leguans are equipped with this option.





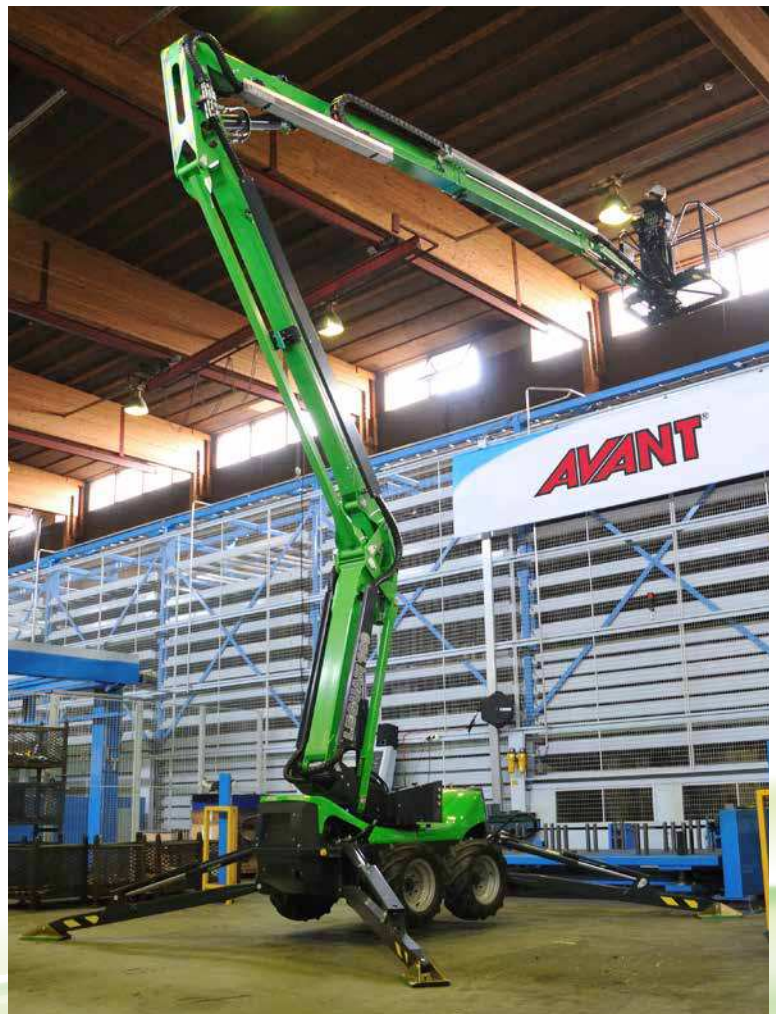
## Platform capacity 200 kg over the whole working area

Safety is standard feature on Leguan. One of the most important safety features is the continuous load control system, independent of the position of the booms.

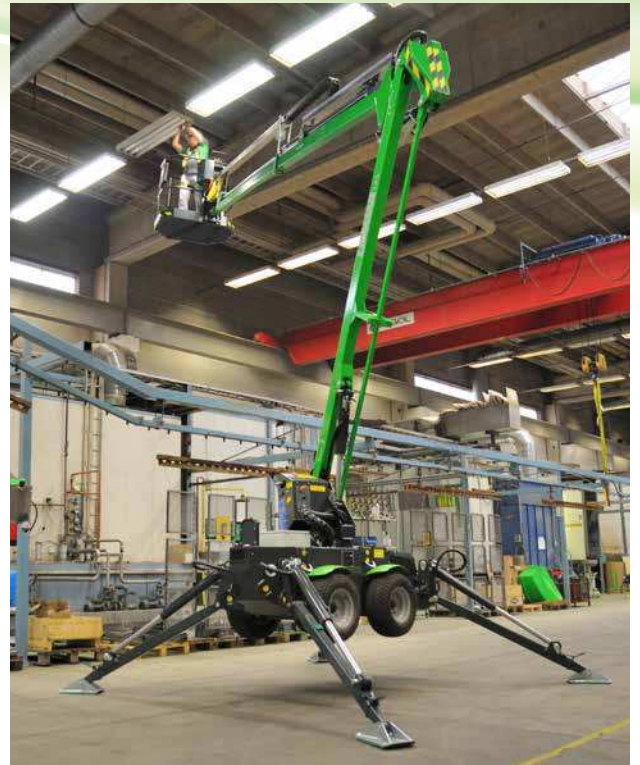
Max. platform capacity is 200 kg over the whole working area, including the movements of the jib boom. There are therefore no limit switches that could fail on the booms. (130/160)

The platform can be equipped in 130 and 160 models with an electric rotation system which makes the work easier and more efficient. Optional extras include also e.g. electric outlets and water and air hoses on the platform.

The platform is mounted on the boom with two bolts - it is very fast and easy to take off if necessary. Without platform the machine is 340 mm (130/160) and 600 mm (125) shorter (see transport length table).







## Leguan – made just for you

### Construction

Leguan really shows its versatility in different stages on the building site. Thanks to the intelligent boom design the outreach is excellent. You can get to the very difficult-to-reach places quickly and safely. The Leguan works well both in outdoors and indoors use.

All works related to building - erecting the framework, installation of air conditioning and electric appliances, masonry, plastering, interior construction and painting – are the specialities of the Leguan.

### Industrial maintenance

The same features as in the construction are important in industrial maintenance as well. Fast and easy transportation, dual propelling system with combustion engine/electric motor and excellent outreach make Leguan the right choice for the many different industry maintenance jobs.

### Special works

Leguan has been the right choice for many very special jobs. It is working as a maintenance machine on a luxury cruise ship; helps trimming trees on Christmas tree farms; is used in various rescue jobs etc. This shows very well the versatility of the Leguan and its usefulness in a multitude of jobs.

### Rental companies

The customer base of the Leguan is very wide. It is very well suited for private users, construction companies, installation companies, as well as for industrial maintenance. The uncomplicated design of the Leguan makes it a very reliable and trouble free access platform.

For rental companies the Leguan is a very productive and reliable partner.



## 125 Leguan 125

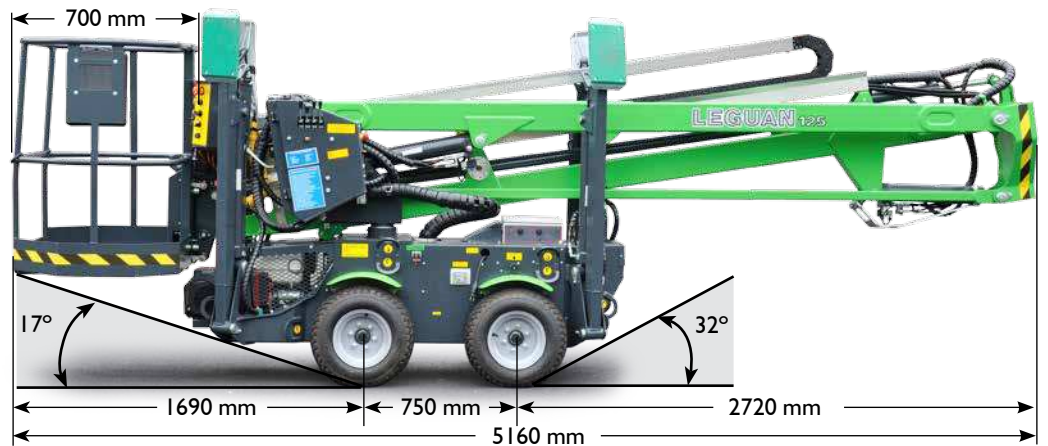
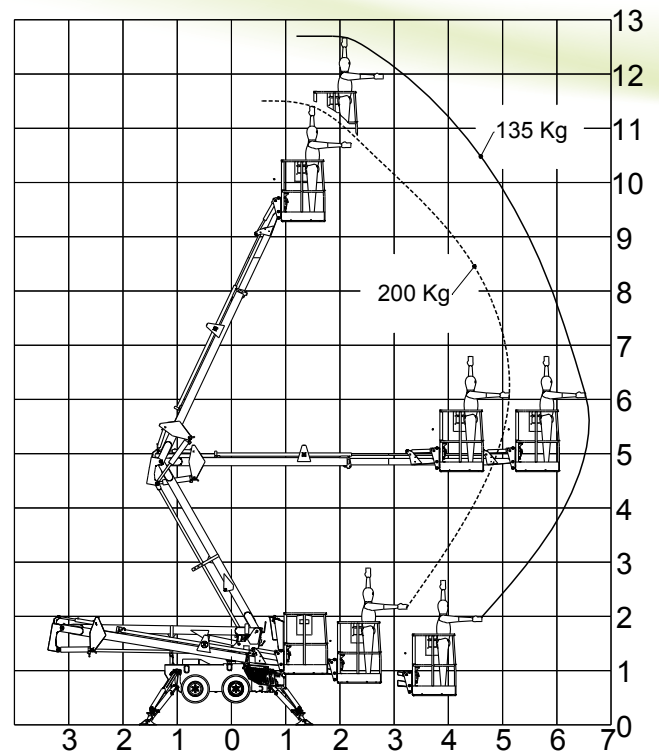
Leguan 125 is a lightweight, economical and uncomplicated self propelled platform, made for professional use. During the many years on the market Leguan 125 has proven its capabilities on hundreds of work sites.

In 2010 Leguan 125 was updated: the new features include e.g. an automatic parking brake and improvements on the chassis design. Leguan 125 is ideally suited for situations where it is frequently transported between work sites on a trailer and where the ground conditions on the sites are varying and challenging. Available with either a four wheel drive or with a crawler track chassis, the Leguan 125 is very maneuverable and has excellent all terrain capabilities.

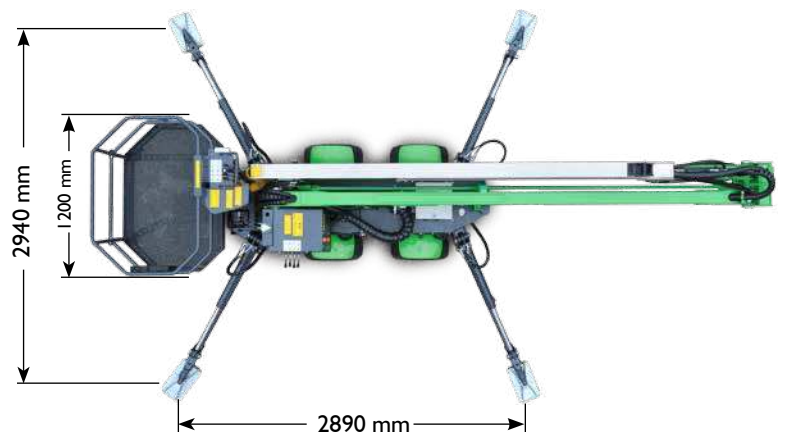




	LEGUAN 125
SWL	200 kg / 2 persons
Max. working height	11,30 m (200 kg), 12,50 m (<135 kg)
Max. platform height	9,30 m (200 kg), 10,50 m (<135 kg)
Max. outreach	5,10 m (200 kg), 6,50 m (<135 kg)
Total length	5,16 m
Platform dimensions W x L	1,20 m x 0,70 m
Slewing	360°
Gradeability	35 % (20°)
Outrigger spread working	2,94 m x 2,89 m
Max. slope for outriggers	22% (13°)
Weight with tyres	1500 kg
Weight with tracks	1650 kg
Power source	Honda 13 hp petrol
	230 V
Drive system: hydraulic	4WD
	Tracks
Drive speed	1,6 km/h / 4,1 km/h
Start battery	12V / 43 Ah



Transport dimensions	LEGUAN 125
Length with platform	5,16 m
Length without platform	4,50 m
Width 23 x 8,5-12" Grass tyres	1,00 m
Width 20 x 8,0-10" TR tyres	1,02 m
Width with tracks	1,13 m
Height 23 x 8,5-12" Grass tyres	1,84 m
Height 20 x 8,0-10" TR tyres	1,80 m
Height with tracks	1,84 m



### Options

- 230V electric propelling
- two 230V outlets at platform
- rubber crawler tracks
- white tyres or tracks
- tire bags for sensitive surfaces
- extra hose (water/air) to platform
- GPS tracking with remote stopping and location information
- plastic pads on outrigger feet
- extra large outrigger feet

- extra large outrigger feet with anti slip studs
- controls at ground level
- warning beacons on outriggers and booms
- platform with mesh floor
- special transportation trailer
- 12V jump start connectors at ground level





## 160 Leguan 160

Leguan 160 is an access platform with unbeatable features, designed for heavy duty professional and rental use. In the design of the Leguan 160 special attention has been paid to durability, strength and user friendliness.

High platform capacity over whole working area, chassis with wheels or with crawler tracks and strong booms make Leguan 160 the right choice for professionals.

## 130 Leguan 130

Leguan 130 is the sister model of Leguan 160, made for heavy duty professional use like its bigger sibling. The most important features in the design of the Leguan 130 have been durability, strength and user friendliness.

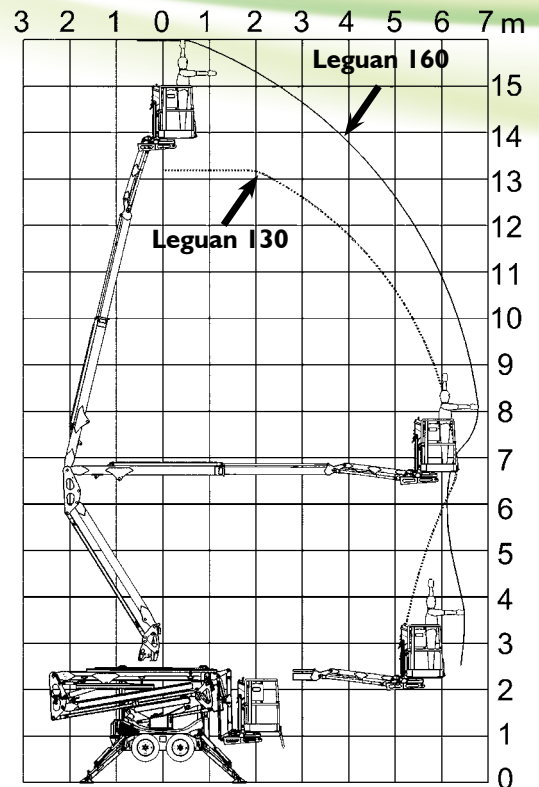




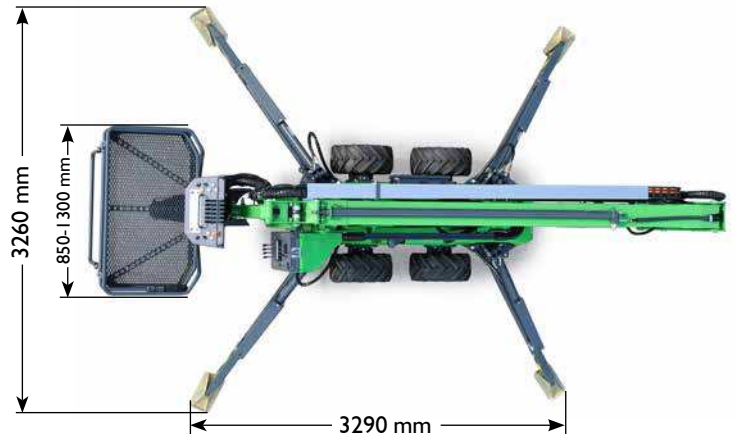
# 130 160

## Technical data

	LEGUAN 130	LEGUAN 160
SWL for the entire working area	200 kg / 2 persons	200 kg / 2 persons
Max. working height	13,10 m	15,90 m
Max. platform height	11,10 m	13,90 m
Max. outreach	6,30 m	6,70 m
Transport length	5,20 m	4,94 m
Platform dimensions W x L	1,30 x 0,75 m	1,30 x 0,75 m
Rotation of basket	90° (±45°)	90° (±45°)
Slewing	360°	360°
Gradeability	35 % (20°)	35 % (20°)
Outrigger spread working	3,29 x 3,26 m	3,29 x 3,26 m
Max. slope for outriggers	22 % (13°)	22 % (13°)
Weight with tyres	1900 kg	2100 kg
Weight with tracks	2100 kg	2300 kg
Power source	Kubota 14 hp diesel	Kubota 14 hp diesel
	230 V	230 V
Drive system: hydraulic	4WD	4WD
	Tracks	Tracks
Drive speed	1,5 km/h / 4,5 km/h	1,5 km/h / 4,5 km/h
Start battery	12V / 43 Ah	12V / 43 Ah



Transport dimensions	LEGUAN 130	LEGUAN 160
Length with platform	5,00-5,20 m	4,94 m
Length without platform	4,74 m	4,60 m
Height	23" tyres	1,94 m
	20" tyres	1,91 m
with tracks	1,94 m	2,01 m
	1,94 m	2,01 m
Width	23" tyres	1,23 m
	20" tyres	1,01 m
with tracks	1,30 m	1,30 m



### Options

- 230V electric propelling
- two 230V outlets at platform
- rubber crawler tracks
- white tyres or tracks
- tire bags for sensitive surfaces
- extra hose (water/air) to platform
- engine block heater with thermostat for Kubota diesel engine
- GPS tracking with remote stopping and location information
- plastic pads on outrigger feet
- extra large outrigger feet
- extra large outrigger feet with anti slip studs
- controls at ground level
- warning beacons on outriggers and booms
- platform with mesh floor
- special transportation trailer
- 12V jump start connectors at ground level





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## Leguan 50

Leguan 50 is the only access platform on the market which mounts on the quick attach system of a compact wheeled loader. The registered design of the Leguan 50 is straight forward, economical and easy to use. Mounted on Avant loader, Leguan 50 offers 5,0 m working height and 200 kg platform capacity economically and in compliance with the safety standards. These features, together with the operation by one person make the Leguan 50 an excellent access platform for construction sites, industry and agriculture. Attaching and detaching the Leguan 50 to and from Avant loader is very fast and easy thanks to the Avant quick attach system.

When mounted on Avant loader, the transfer speed of the Leguan 50 is much higher than the drive speed of a conventional self propelled access platform. The four wheel drive Avants with drive speeds as high as 25 km/h guarantee fast transfers on the work site.

Maximum platform load	200 kg
Max working height	5,0 m
Height (platform down)	1,9 m
Width	1,3 m
Weight	435 kg







## Leguan transportation trailer

We have designed a top class trailer especially for the transportation of the Leguan.

- Further increases the versatility of the Leguan, because it can be operated directly from the trailer like a trailer mounted lift
- Loading and fastening of the Leguan on the trailer is fast, easy and safe – all details of the trailer are carefully thought through
- The trailer is well suited for transportation of Avant loaders as well







**LEGUAN<sup>®</sup>**

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