GET IN AND BE ON YOUR WAY

The wheel loaders and telescopic wheel loaders:
KL12.5/KL14.5/KL18.5/KL19.5/KL25.5/KL25.5T/KL25.5e

KRAMER
on the safe side

Wide range of application possibilities

Discover the all-wheel wheel loaders and telescopic wheel loaders in the 1.8 - 4.6 tonne class

The compact, efficient machines have been developed down to the finest detail and are characterised by the tried-and-tested design principle, which guarantees unbeatable manoeuvrability. Due to their narrow and low design, the machines are also in demand where large machines cannot fit: tight access roads, work in stables, warehouses or other confined conditions. Alongside the diesel engines, Kramer is also providing a 100% electric and emission-free version with the KL25.5e. Depending on the application and requirement, you can individually decide which machine is right for you.

On the safe side with Kramer

The traditional Kramer brand has been established on the market for many years and in particular stands for one value: **Safety.** The high quality of the innovative machines is only one aspect: Kramer is also a reliable choice for customers and dealers because the experience and innovative power of the company provides investment and future security. In short – you are always on the safe side with Kramer: **“Kramer – on the safe side!”**

ON THE SAFE SIDE

Table of contents

Operating and performance data

WHEEL LOADERS AND TELESCOPIC WHEEL LOADERS	KL12.5	KL14.5	KL18.5	KL19.5	KL19.5L
Engine output (optional) [kW]	18.5	28.5	34.3	34.3 (41.1)	34.3 (41.1)
Bucket capacity [m³]	0.35	0.36	0.45	0.55	0.55
Lifting force [kN]	11.5	15.8	37	32.5	26.5
Bucket tipping load [kg]	1,200	1,400	1,800	1,980	1,780
Payload on pallet forks S=1.25 [kg]	750	900	1,200	1,600	1,450
Operating weight [kg]*	1,700 - 2,200	1,900 - 2,400	2,850 - 3,300	3,200 - 4,300	3,200 - 4,300

* Weight with standard components and full tank + standard bucket + 75 kg operator weight (ISO 6016).

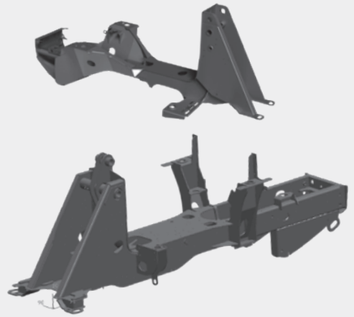
	KL25.5	KL25.5L	KL 25.5T	KL25.5e	KL25.5eL
Engine output (optional) [kW]	34.3 (41.1)	34.3 (41.1)	34.3 (41.1)	23.2** / 25.2***	23.2** / 25.2***
Bucket capacity [m³]	0.65	0.55	0.65	0.65	0.55
Lifting force [kN]	32.5	26.5	32.5	32.8	33
Bucket tipping load [kg]	2,340	2,140	2,500	2,800	2,377
Payload on pallet forks S=1.25 [kg]	1,750	1,600	1,650	1,750	1,500
Operating weight [kg]*	3,200 - 4,300	3,200 - 4,300	3,500 - 4,600	3,855 – 4,160	3,890 – 4,195

** Drive system performance S2 60 min *** Work hydraulics performance S3 15%

Why separate what belongs together?
Kramer – A unique system

The Kramer brand stands for all-wheel steer loaders, telescopic wheel loaders and telehandlers with extreme manoeuvrability, off-road capability and high efficiency. Thanks to the time-tested and proven undivided chassis, the wheel-loaders are ultra-stable in all conditions.

Due to this special vehicle construction, there is no shifting of the centre of gravity through steering movements. On the basis of the Ackermann steering, only the wheels move during steering. Thus, high stability and maximum payloads are given even with a tight turning circle and on uneven ground conditions.



The advantages at a glance

High stability

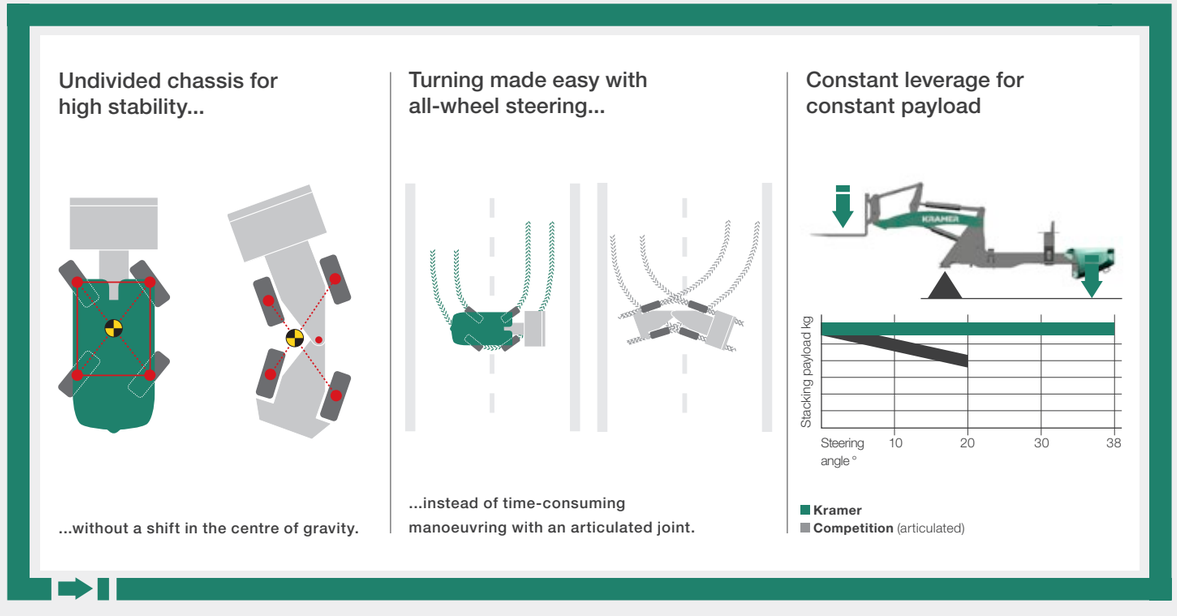
The wheel loaders and telescopic wheel loaders are designed with an undivided chassis that prevents shifts in the centre of gravity – even with a full steering lock. The vehicles are therefore extremely stable and safe in operation, even when the going gets tough.

Enormous manoeuvrability

The all-wheel steering and the steering lock of 38 degrees on the front and rear axle allow you a high degree of manoeuvrability. Some steering manoeuvres therefore become unnecessary, resulting in shorter cycle times.

Constant payload

The undivided chassis prevents the distance between the counterweight and the loading system from changing. The result: constant leverage that makes working safe in all load situations. In the process, the payload always stays the same, independent of the steering angle.



Flexibility in use

The right type of steering for every application

The undivided vehicle frame forms the basis for three (KL12.5, KL14.5) and two (KL18.5, KL19.5, KL25.5, KL25.5T, KL25.5e) different steering types. A wheel loader's design principle decides how it is used and for which applications. The steering system plays a crucial role in this.

All-wheel steering

- 2 x 38 degree steering angle on the front and rear axle ensure fast work cycles
- Optimised routes
- Tight turning circle

Front wheel steering (optional)

- Safe and familiar road travel at high speed
- Simple guidance of special attachments
- Familiar steering system
- Ideal for trailer operation

Crab steering (optional)*

- Manoeuvrability in a confined space
- Precise positioning even in the most confined conditions
- Ground protection for sensitive sub-bases
- Easily drive away from walls and trenches

* available for the models KL12.5 and KL14.5

All-wheel steering: particularly manoeuvrable in confined spaces

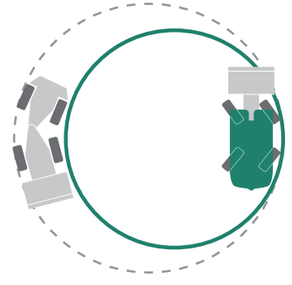
Comparison of all-wheel and articulated steering

Example: 360° turning manoeuvre via the external edge of the tyres

With the all-wheel steering, the turning circle is much smaller compared to the articulated steering (see green line). This is achieved by the steering lock on the front and rear axle, while only the front carriage moves with the articulated steering.

All-wheel steering

Articulated steering (competition)



Compact dimensions and optimal power-to-weight ratio
Performance in perfect proportion

Compact Kramer wheel loaders and telescopic wheel loaders are among the most versatile machines on the farm. Tasks such as bale handling, silage cutting, materials handling or feeding and cleaning work can be taken care of efficiently and quickly. The machines are small enough to go anywhere and strong enough for their application.

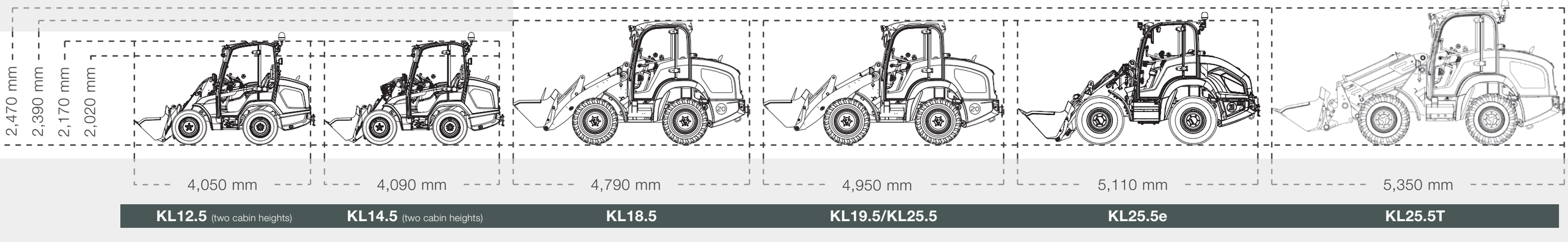
The design principle of the undivided vehicle frame is responsible for the extremely compact dimensions. Furthermore, excellent power ratings are achieved due to the ratio of operating weight, payload and tipping load, which are unparalleled in this vehicle class.

Top performance of the dimensions and power-to-weight ratio:

- perfect ratio between payload and operating weight
- easy transport on 3.5 t trailer (KL12.5, KL14.5, KL18.5)
- economic use that saves time and fuel thanks to the small turning radius
- economic power-to-weight ratio

Low overall height of less than 2.5 m for versatile applications

KL12.5 and KL14.5:
Even suitable for very low clearance heights



Powerful engines
Efficient fuel consumption

The KL12.5 and KL14.5 wheel loaders are both equipped with exhaust emission Stage V Yanmar engines. The KL12.5 is powered by an 18.5 kW engine without an exhaust emission aftertreatment. The even more performance efficient KL14.5 is available with a 28.5 kW engine. Here, the exhaust emissions are treated with DOC, DPF and SCR.

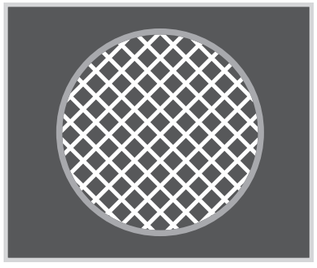
The models KL18.5 through to KL25.5T likewise have a Yanmar engine and fulfil the emission Stage V. The engines with 34.3 kW (standard) and 41.1 kW (optional for KL19.5, KL25.5, KL25.5T) are equipped with a DOC and DPF.

Top performance of the engines:

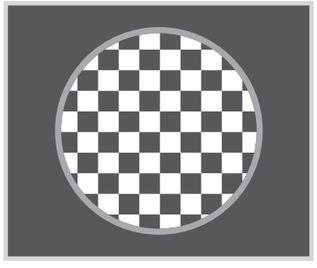
- high torque and economical engines by Yanmar
- modern exhaust after-treatment with DOC + DPF
- newest engine technology with exhaust emission Stage V

	KL12.5	KL14.5	KL18.5	KL19.5	KL25.5	KL25.5T
Engine overview	**Standard**	**Standard**	**Standard**	**Standard (Option)**	**Standard (Option)**	**Standard (Option)**
Engine manufacturer	**Yanmar**	**Yanmar**	**Yanmar**	**Yanmar**	**Yanmar**	**Yanmar**
Power output [kw/hp]	**18.5 / 25**	**28.5 / 39**	**34.3 / 46**	**34.3/46 (41.1/55)**	**34.3/46 (41.1/55)**	**34.3/46 (41.1/55)**
Exhaust after-treatment system	**-**	**DOC + DPF**	**DOC + DPF**	**DOC + DPF**	**DOC + DPF**	**DOC + DPF**
Emission stage (EU exhaust emissions standard)	**Stage V**	**Stage V**	**Stage V**	**Stage V**	**Stage V**	**Stage V**

Exhaust after-treatment systems

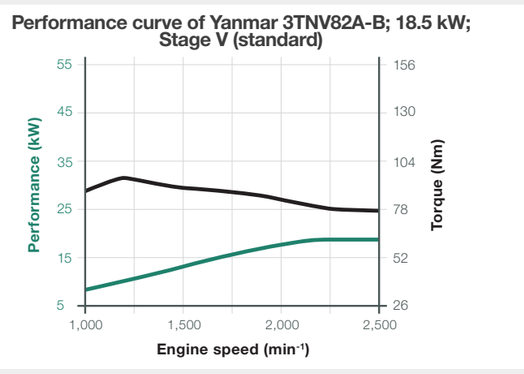


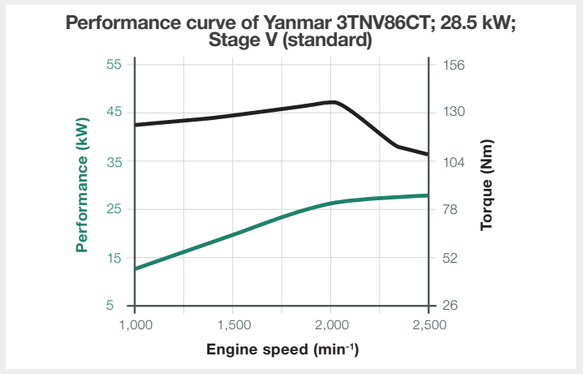
Diesel oxidation catalytic converter (DOC)
These days, catalytic converters are used to reduce emissions in many cars and lorries. The diesel oxidation catalytic converter has the same functionality. Without the movement of mechanical parts, it triggers chemical reactions that reduce emissions.

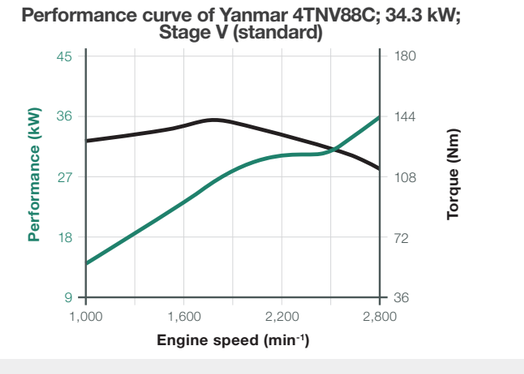


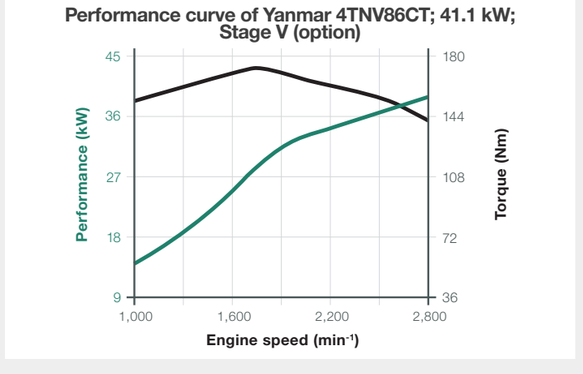
Diesel particulate filter (DPF)
The diesel particulate filter is used in connection with an oxidation catalytic converter to remove most of the nitrogen oxides, soot particles and non-combusted hydrocarbons from the combusted diesel fuel. The diesel particulate filter contains a porous honeycomb structure that catches the soot when it passes through. When the soot has accumulated to a certain extent, the machine's electronic system triggers fuel injections, which brings the non-combusted fuel into the oxidation catalytic converter, which is located before the filter. There it triggers an exothermic reaction that heats the exhaust fumes so much that the soot in the diesel particulate filter is combusted. This process is also known as regeneration.

Optimised running smoothness: Economical and powerful engines in all Kramer models.









Made for application
Discover the product range of the compact class

The wheel loaders: KL12.5, KL14.5

The KL12.5 and KL14.5 wheel loaders are the smallest Kramer models. When designing and developing, the focus was on the simple and intuitive operation, which makes the working day far easier for the operator. With its very compact dimensions, they are great helpers when working in confined spaces. The machines are versatile in use thanks to their overall height and also allow for applications inside buildings, such as working in stables. The machines can easily be transported on 3.5 tonne trailers thanks to their very low net weight.

Modern design, technology, performance and comfort: The Kramer wheel loaders set standards.

Top-performance telescopic wheel loader KL25.5T:

+ 50% lift and tipping height

+ 42% stacking height

+ 38% load-over height

e.g. for storing straw and hay, stacking round bales, filling high-sided feed mixers or trailers

The wheel loaders and telescopic wheel loaders: KL18.5, KL19.5, KL25.5, KL25.5T, KL25.5e

The wheel loaders and telescopic wheel loaders of the compact class are agile in their movements, dynamic in their power delivery and slim in their design. With an optimised power-to-weight ratio, a low shipping weight and constantly high payload, they are ideal helpers when it comes to stacking, loading material or feeding animals.

With the Kramer telescopic technology of the KL25.5T, even greater lift heights and reaches are reached comfortably, safely and precisely. The KL25.5e is completely free from emissions, unbelievably quiet and it provides the perfect working conditions for the operator and employees.

Modern cabin design
First-class comfort

Within the compact wheel loader sector, the innovative cabin design ensures added-value in terms of comfort and operator-friendliness, whereby the functionality and ergonomics are at the forefront.

Large glazed areas in combination with narrow cabin pillars provide excellent all-round visibility. The special hydraulic oil and diesel tank shape under the front window provide the operator with a perfect view of the attachment. There are many functional and ergonomic features, as well as numerous storage compartments in the side console. Furthermore, all of the important colour-coded switches are placed within reach of the right hand.

Comfortable joystick:
Possible to switch between hare and tortoise on the joystick itself.

A spacious, quiet and extensively glazed cabin provides the perfect conditions to get through everyday operation safely.

Technical highlights
Simple operation – Innovative cabin design

Cabin entry

The wide entry with an additional step ensures a comfortable entry and exit. Two handles attached to the cabin aid the operator in safely getting to their working area. Furthermore, the cabin door can be opened 180 degrees and can be locked to the machine.

Smart Driving PRO

The feature on the KL14.5 includes three different operating modes that can be changed by pressing a button in order to meet the respective requirements most efficiently. The Power Mode (PWR) is suited to bucket work, the ECO Mode to stacking work or road travel and the Constant Speed Drive mode (CSD) to hydraulic attachments.

Steering column

The optional incline-adjustable steering column can be adapted to the operator's needs. The steering wheel is made of a high-quality and non-slip material. Furthermore, there is a modern visual display with automatic indicator reset on the steering column.

Centre tunnel

The centre tunnel in the cabin floor has a height of just 5 cm thanks to the design of the vehicle frame. Thus enabling the operator comfortable entry and exit. The centre tunnel is likewise covered with e rubber mat and can be easily cleaned.

Cleaning flap

The cleaning flap is on the right side of the cabin. The flap is opened upwards using a handle and is fixed by an attenuator. Easy access is thus provided to the cabin air filter and the main control unit. Cleaning the cabin floor can be performed very easily.

Other cabin features

A Continentall radio with USB connection and Bluetooth hands-free system is available as an option. The temperature and ventilation regulator is positioned in the side console. The optional air-conditioning system for the KL14.5 ensures a comfortable climate, even on the warmer days. Furthermore, the vehicle can be equipped with an automatic engine stop via seat contact.

Different loading systems
Effortlessly work with loads

The loading systems for both machines are made of a high-strength and torsion-resistant box section. The large lift and tearout forces, as well as parallel guidance of pallet forks across the total height are achieved with Z-kinematics. The loading system's even more sturdy construction for the KL14.5 ensures even higher payload.

The automatic load stabiliser is optionally available. The load stabiliser dampens oscillations of the loading system and ensures maximum operational comfort. The safe handling of heavy loads is therefore also guaranteed on uneven terrain. The automatic function automatically switches on the load stabiliser from a speed of 8 km/h (transport operation) or automatically switches it off below 8 km/h (loading operation). In addition, it is possible to continuously activate or deactivate the load stabiliser for certain applications.

The visual position display for the fork (yellow) and bucket (red) can be found on the rocker arm, as well the tilt rod and indicates the position of the bucket and fork. As a result, a high level of precision is achieved in the inclination angle of the attachment to the ground. The position indication is a great benefit, particularly to the inexperienced operator or where operators are constantly changing, such as in agricultural large enterprises.

Automatic load stabiliser
prevents the machine from swaying and reduces material loss.

Sturdy loading system with Z-kinematics, visual position indicator and optional load hook.

Top-performance wheel loaders KL12.5 and KL14.5:

- powerful lift capacity:
  KL12.5 - 11.5 kN
  KL14.5 - 15.8 kN
- spacious cabin with very good all-round visibility and a variety of options
- three types of steering for maximum flexibility
- Smart Driving PRO with the option of three operating modes for the KL14.5
- low-cabin available optionally as canopy or cabin version

Two cabin heights

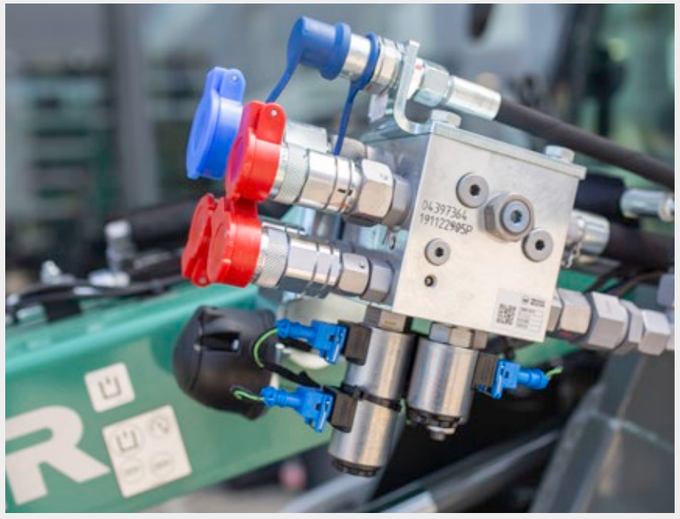
It is possible to choose between two cabin heights. The low cabin with a height of 2.02 m ensures maximum vehicle compactness and is optionally available as a canopy or cabin version. The high cabin with a height of 2.17 m provides even better all-round visibility and creates the highest level of comfort for the operator.

Powerflow

The KL14.5 wheel loader is also characterised by its optional Powerflow auxiliary hydraulics. The hydraulics are compact in design on the left-hand side of the loading system and ensure perfect visibility of the attachment. No matter whether used with a snow blower, a mulcher or a sweeping machine - the KL14.5 is versatile in application with the Powerflow function and ready for use for any application at any time of the year.

Concept solution for system bearer	KL12.5	KL14.5
3rd control circuit [l/min]*	20	30
Powerflow performance hydraulics [l/min]*	-	56

*max. pump values



Pressure release of 3rd control circuit

The button for optional pressure release of the 3rd control circuit is centrally fitted to the loading system. As a result, different attachments can be quickly and efficiently changed without the need to switch off the engine.

Machine highlights of the KL12.5 / KL14.5

The compact genius among wheel loaders

Two cabin heights (2.02 m / 2.17 m)
for maximum compactness and maximum comfort.

Innovative cabin design
Glazed areas ensure optimal visibility. The wide step and the door which locks to the rear provide comfortable entry and exit. The side console contains many functional and ergonomic features. The incline adjustable steering column is also optionally available.

Smart Driving PRO (KL14.5)
Three operating that can be changed at the press of a button (PWR - Power Mode, ECO - Eco Mode and CSD - Constant Speed Driving) support the operator in their respective applications.

Flexible in application
with a standard 3rd control circuit integrated into the joystick and optional pressure release lever on the loading system. The Powerflow for the KL14.5 adds a powerful drive to the hydraulic attachments.

The driving speeds
can be easily changed while driving. With the KL14.5, it is also possible to obtain the drive system as a sprinter and achieve upto 30 km/h.

Loading system with Z-kinematics:
for high lift capacities and tear-out forces and an exact parallel guidance across the entire lift height.

Two engine classes
by Yanmar with exhaust emission Stage V. KL12.5 is equipped with an 18.5 kW engine and KL14.5 with a 28.5 kW engine incl. DOC and DPF.

Work efficiently
thanks to the hydraulic quickhitch system, load stabiliser and visual position indicator for bucket and fork.

Four wheel hub motors
for sensitive work and high thrusting force.

Three steering types
support maximum manoeuvrability. All-wheel steering as standard and the optional steering types like front wheel and crab steering provide more in terms of flexibility. Switching between the steering types is carried out mechanically.

Undivided vehicle frame
for great manoeuvrability with constant stability.

Large selection of tyre options
for a wide range of application areas.

Stacking at its best
Maximum flexibility in everyday work

The Kramer wheel loader KL18.5 is particularly distinguished by its low net weight. The machine weight can be adapted to every work situation due to the optional additional weight Smart Ballast, which is simply and inconspicuously positioned in the tail. With its manoeuvrability, high payload, stacking tipping load and transportability, the machine is suitable for the most varied application areas.

The performance package is complemented by safety, comfort and a wide range of options which enable all-year-round application.

Special development of the loading system
ensures for high lift and tearout forces. Commercial pallets can be moved without any trouble.

Smart Ballast - optional auxiliary weights on the rear

The Smart Ballast weights enable adaptation of the machine's weight and the stacking tipping load up to 1,700 kg depending on the user's requirements, whereby it is possible to flexibly switch between the working and transportation situation.

\+ KG -

Top-performance wheel loader KL18.5:

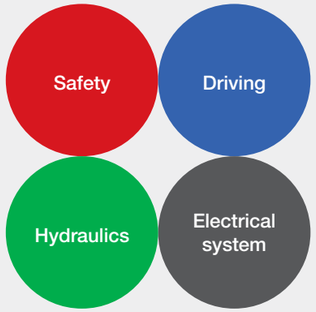
- strong lift capacity of 37 kN
- perfect performance characteristics of 34.3 kW / 46 hp
- optimal transport weight of 2,685 kg incl. cabin
- high bucket pivotal point of 2,840 mm
- flexible Smart Ballast weights of a total of 100 kg

The Smart Ballast weights weigh a total of 100 kg. Each of the eight weights weighs a portable 12.5 kg.

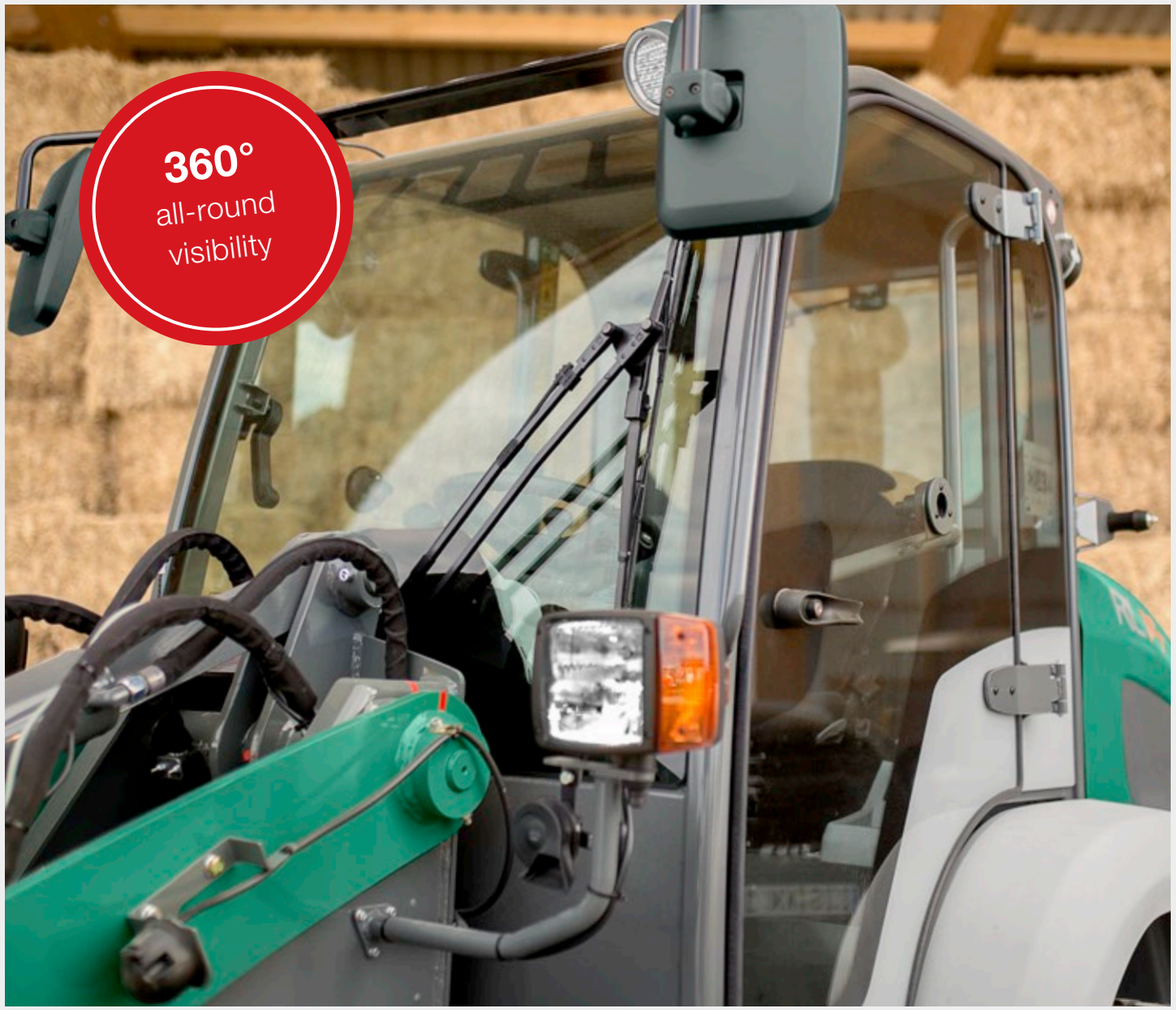
Comfort at work
Optimal working conditions

Easy operation and functionality are the focus of the machine series. From the operator's seat to the steering wheel, all details were consistently aligned with the needs of the operator. In doing so, the operator has a lot of room and always has everything in view.

The compact wheel and telescopic wheel loaders by Kramer have proven to be real space miracles in terms of cabin technology and their equipment ensures fatigue-free working for many hours. The clearly arranged operating elements create an environment in which the operator can work comfortably, focused and productively. The joystick, as the heart of the machine, enables safe, easy and intuitive operation.



Colour-coding of the switches:
four colours for even more safety.



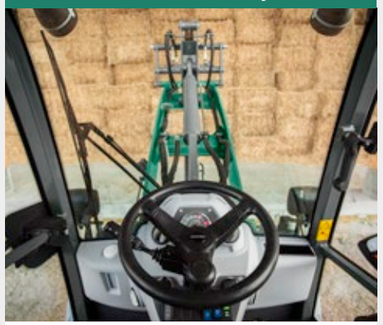
Panoramic cabin for an excellent overview of the attachment and the working environment.

Technical highlights
Simple operation – Innovative cabin design

Cabin entry

The cabin can be accessed through the large entry area. The undivided vehicle frame also makes it possible to comfortably enter with the maximum steering lock. The entry is designed like steps. The grab handles are in an ergonomically favourable position to make it easier for the operator to enter and exit.

All-round visibility



The central seat position of the operator offers a 360° all-round visibility. "Blind spots" are avoided thanks to the particularly clearly arranged design. You can even see everything to the rear. Even with an extended telescopic loading system on the KL25.5T, the operator has a perfect view of the attachment.

Vehicle height

The machines offer the best prerequisites for low clearance heights. All machines have a total height of under 2.5 m. It is possible to easily transport on a 3.5 t trailer due to the compact design of the KL18.5 wheel loader.

Joystick

The joystick shows its strengths above all when things get dark. In night mode, the different touch buttons and wheels are backlit with colour. The operator can therefore immediately identify the respective functions and will securely have everything in order.

Switch concept

The respective functional group is very quick and easy to identify due to the colour-coded switches. Red = safety, green = hydraulics, blue = travel and grey = electrical system. With this, the operator is guaranteed convenient and safe operation without the risk of being confused. The result is increased working efficiency for the operator.

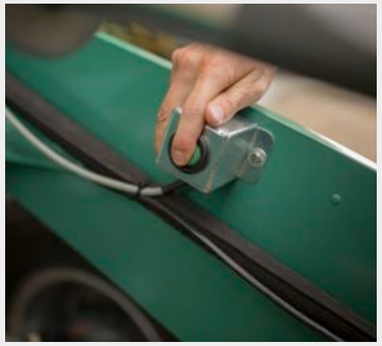
Other cabin features

The powerful heater with window ventilation and heating nozzles in the footwell ensure comfortable working conditions, even on cold days. A fully integrated air-conditioning system is optionally available. The combined brake-inch pedal enables sensitive manoeuvring, even at high engine speeds.

Powerful hydraulics
For sensitively controlling the machine

Connect and disconnect different attachments, sensitive control, quick working cycles and all of this with a low noise level in the cab: The technology behind the work hydraulics of our machines makes this possible.

The work hydraulics are powered by powerful gear pumps, which ensure quick working cycles of the loading system, and enable the operation of special attachments via the 3rd control circuit, if necessary with continuous function.



Pressure release of 3rd control circuit:
Easily couple and uncouple attachments with hydraulic additional function

Powerflow*

The machines can be equipped with various hydraulic attachments for the many areas of application and industry, and become true multi-functional tools.

No matter what work is due completion, whether used with a rotary sweeper, snow blower or mulcher, the Kramer wheel loaders can be used all year round.

*not for the KL18.5

powerflow

Concept solution for system bearer	KL18.5	KL19.5	KL25.5	KL25.5T
3rd control circuit [l/min]*	56	56	56	56
Powerflow performance hydraulics [l/min]*	-	90	90	90

*max. pump values

High-speed gearbox - variable up to 30 km/h

The variable hydrostatic high-speed gearbox provides optimal prerequisites up to 30 km/h. This provides the wheel loader both optimal tractive force and a lower diesel consumption.

The high-speed gears are used for movement on straights and on roads.

Three loading systems

Depending on requirements there are up to three different loading systems available. The standard and optional extended loader unit are both parallel-guided and ensure a consistent lift capacity as well as a safe operation during materials handling.

Standard loader unit (P-kinematics)

The parallel-guided loader unit ensures constant lift capacity and a safe operation in materials handling. Due to the backwards-tilt angle of up to 45° and the dump angle of up to 45°, the wheel loader does not lose any material when using the bucket, even when it is very full, allowing for a complete emptying of the bucket.

- Precise and safe working possible
- High tear-out forces
- Precise parallel guidance over the entire lift height

Extended loader unit (P-kinematics)

Specific customer wishes can be met even more flexibly due to the extended loader unit. Among other things, the range, payload and lift height are different when compared to the standard loader unit.

- Optimal view of the quickhitch facility and the attachment
- Increased lift height
- Extension of the loader unit by 190 mm (KL19.5, KL25.5)

Telescopic loader unit (Z-kinematics)

The view of the attachment is exceptional thanks to the compact modular design of the telehandler system. The advantages of Z-kinematics: When tipping the bucket in with the same cylinder size, a greater tear-out force is generated as the piston side of the hydraulic cylinder is impinged when tipping in.

- High tear-out forces
- Good view of the quick coupler system and the attachment
- Additional load-over and stacking height as well as range and dump reach

Machine highlights of the KL18.5 - KL25.5T

Externally sturdy, internally intelligent

Reduced operating costs
through optimum power to weight ratio and compact dimensions.

More reach and lift height
due to a telescoping loader unit.

Fatigue-free work
thanks to the spacious and ergonomic cabin, which is installed as a standard (KL25.5) or optionally.

Gentle retraction and
extension thanks to the final position dampening in the retract and extension.

High reliability
through easily accessible maintenance points and time-tested and proven components.

Flexible in application
with a 3rd control circuit, unpressurised return flow with drain line and front outlet.

High bucket apron, long bucket base as well as a large tilt in and tilt out angle for
a safe and quick material transport with high volumetric efficiency.

Smart Ballast (KL18.5)
easily and quickly adjust the payload and weight of the machine.

The hydraulically activated quickhitch facility
makes the Kramer an all-rounder in seconds without leaving the operator's seat. Efficient work with a parallel-guided loader unit with P-kinematics for wheel loaders and with Z-kinematics for the telescopic wheel loader.

Variable drive system -
with two types of steering (all-wheel steering and optional front wheel steering) and a travel speed of up to 30 km/h. Furthermore, there are two travel speeds available.

Excellent traction
thanks to 100% connectible differential lock in the front axle for KL25.5 and KL25.5T (option for KL18.5, KL19.5) and the variety of tyre options.

Wide and safe entry
thanks to the undivided chassis with all-wheel steering.

zero emission

Innovation and sustainability are central values and driving forces in the development of new machines at Kramer. In this context, the search for alternative energy sources and drive technologies has been valid for a long time in order to develop sustainable, environmentally-friendly yet simultaneously powerful machines.

Electric mobility also plays an ever more important role in agriculture. One reason for this is because power produced in-house can be used. Not only the CO_2 emissions are reduced through the use of electric machines, but the noise emissions are also reduced to a minimum. In noise-sensitve areas, like at horse stables or a holiday farm with a lot of visitors, the KL25.5e is very well suited. Even working in stables, courtyard buildings, warehouses or greenhouses is noticeably more comfortable for both human and animal. The performance of the KL25.5e corresponds to that of a diesel wheel loader of the same size class and therefore does not lack in anything.

Into the future with electric drive
Its advantages at a glance

With the fully-electric wheel loader KL25.5e, CO_2 restrictions, soot particle limit values and noise emission values no longer play a role in daily work. This is because the fully-electric wheel loader works completely free of emissions, protects the environment and the end user, and scores high when it comes to efficiency and economy.

Ecological advantages

- lower carbon footprint
- no particulate matter pollution for the end user and the environment
- preservation resources

No exhaust gas emissions

- working indoors without any problems
- working in stables without exhaust gas pollution for humans and animals
- no impairment of air quality in urban applications because of complete zero emissions

Low noise emissions

- ideal for noise-sensitive areas, like stables and holiday farms
- perfectly suited to the inner local winter service

Economic advantages

- future-oriented technology
- low maintenance costs
- work up to 4 hours without interim charging*

* Data is dependent on machine equipment, application and environmental factors, and can deviate.

Clear cab design
For the highest level of work performance

Ergonomics, efficiency and transparency are three significant benefits here. The spacious cabin provides a comfortable and low-noise quiet work space, which contributes to fatigue-free working.

The Kramer KL25.5e is equipped with a soundproof, vibration-dampened cabin with thermal insulation glazing as standard. The cabin is impressive internally with the detailing, such as the intuitive joystick and the optionally air-cushioned operator's seat. All the machine's important information is shown on the display. The colour-coded switches provide an extra degree of clarity and user friendliness. Furthermore, there are different storage options available to the operator.

Quickly accessible emergency switch, so that the machine can be immediately put into a safe status in an emergency.

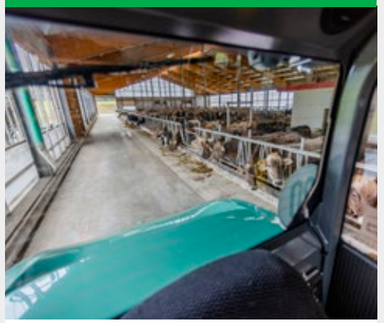
Completely glazed cabin for an optimal view on all sides.

Technical highlights
Simple operation – Innovative cabin design

Cabin entry

The operator's cabin is easy and comfortable to access using a wide entry area. Included within this are two generous steps, which are organized one on top of the other. Furthermore, they are anti-slip and provide safety for the operator in any weather. The handles are easy to reach and affixed in easy-to-grab positions.

All-round visibility



The free-visibility cabin and the ideally positioned B pillars provide excellent All-round visibility. A panoramic front windshield is installed as standard. The flat, sloping battery cover ensures an excellent view to the rear. Additionally, there is a fin in the middle of the cover for improved orientation when reversing.

Travel speeds

The button for both travel speeds is integrated into the joystick: Tortoise and hare. The operator has the option to comfortably adjust the maximum travel speed at any time. This is also possible while driving. The respective travel speed icon is shown on the display. The maximum travel speed is also dependent on the selected operating mode.

Operator mode

The two operating modes, Eco and Power (PWR), can be determined using the toggle. In the Eco mode the travel speed is, among other things, reduced to maximum 14 km/h. As a result, the operator can save energy and gain additional running time. In PWR mode, the vehicle has the vehicle's full power capacity. The travel speed is maximum 20 km/h.

Heating

Alongside the air heater, the cabin also optionally has an energy-saving heated front and rear windscreen, heated seats and panel heating. Through this, specific areas are targetedly heated instead of the whole volume of air. The panel heating is in the vehicle's roof and beneath the operator's seat. Additionally, the cabin is well insulated with insulation matting so that the heat is not lost.

Other cabin features

It is possible to additionally order a heater to pre-heat the cabin. A high-quality Continental Bluetooth car radio with hands free, DAB+, AUX and USB is optionally available.

Power for a working day
Productive running times supported by recovery

The electric running time varies depending on many factors, like the driving behaviour, application type, machine equipment and the environmental conditions. It is possible to work up to 4 hours without intermittent charging.

Through recuperation - energy recovery - it is possible to extend the running time. As soon as the operator takes their foot off of the accelerator pedal, the drive system switches to recuperation. This means that the motion energy of the wheel loader is converted into electric energy and therefore recovered.

Everything at a glance

All the important information is presented on the display. Included herein, among other things, is the machine's remaining running time, recuperation, travel speed and even the charge status of the battery. This is displayed as a percentage. If the battery is being charged, then a thunderbolt on the battery symbol and the charge capacity is shown.

Top-performance fully-electric KL25.5e:

- no exhaust emissions and clearly reduced noise level
- powerful and high-quality lithium-ion battery with 37.5 kWh
- low maintenance costs when compared with the diesel machine
- maximum flexibility when charging due to different charging plug types
- easy access to charging plug

Innovative battery technology
Modern and flexible charging

The KL25.5e is equipped with a lithium ion battery with a capacity of 37.5 kWh. This has a guaranteed battery life of min. 5 years or 2,000 charging cycles. After this time, it is guaranteed that the battery has a residual capacity of min. 80%.

The lithium ion battery is monitored by a so-called Battery Management System (BMS). A battery heater has also been integrated into the battery, which ensure optimal operating temperature. Furthermore, the machine has a 9 kW AC on-board charger. The on-board battery charger is permanently installed in the machine. Thus, the battery can be charged using any customary, household outlet. It is likewise possible to charge at a wallbox or a public charging point. To prevent the electri wheel loader from overheating, it is equipped with a cooling system.

Charging cable

To charge the machine there are four different charging plug options available. The charge capacity is restricted by the type of charging plug and the charge capacity of the on-board charger. Where the on-board charger is 9 kW, the full charge capacity can only be achieved with the type 2 and CEE 5-pole plugs. The charging cables are stored in the rear under the battery cover.

- **SchuKo mains plug 230V/16A**
- **CEE, 3-pole 230V/16A (blue)**
- **CEE, 5-pole 400V/16A (red)**
- **Type 2 (IEC 62196)**

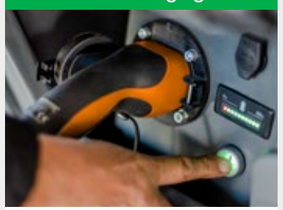
Easy charging

There is a charging console under the battery cover in the rear ballast weight on the side of entry. It is possible to charge the battery up to 80% in approx. 3 hours.

Connect charging cable

Open the charging console and connect the charging cable to the machine.

Start charging



Activate pressure switch* to start the charging procedure. The charge status indicator on the rear of the machine begins to flash.

End charging

The charge status indicator remains illuminated as soon as the charging procedure is automatically ended.

Remove charging cable

Activate pressure switch* and remove the charger plug. Then close the charging bracket and store the charging cable.

* Pressure switch is also optionally available as a key switch.

Machine highlights KL25.5e

Future-proofed and thought out to the last detail

Comfortable working area
no exhaust emissions, minimal noise level and low level of vibrations.

BMS - Battery Management System
monitors, for example, the battery's temperature. Efficiency and safety of the battery are increased and deep discharges are excluded.

Digital colour display
to monitor and set all of the machine's important functions e.g. the range indicator.

Patented battery technology
with a 96 V lithium-ion battery and a capacity of 37.5 kWh.

Recovery - energy recovery:
Automatic charging of the battery e.g. when going downhill.

Quickhitch system - Smart Attach:
Hydraulic attachments are conveniently and safely coupled from the cabin without needing to enter and exit.

Optimal view to the rear
as a result of the flattened battery cover design.

Excellent performance values
up to 20 km/h - with compact dimensions and low net weight. Trailer load up to 3.5 t

Low operating costs
and low maintenance compared with conventional diesel power.

All-wheel and front-wheel steering
two steering types that can be changed while driving and ensure flexibility.

Parking brake with hold and locking function,
prevents the machine from rolling backwards on a hill and ensures secure parking.

Easy charging process
without opening the battery cover. The charging cover is easily accessible from the side of the rear of the vehicle.

Fast charge
as a result of an integrated charger with up to 9 kW. Different charger cables and adapters are available.

Diverse tasks
Always the right attachments

Regardless of what challenges your application holds for you: With the different attachments, you will always have a handle on the situation. Thanks to the hydraulic quickhitch system, you can adapt your Kramer wheel loader to any situation in no time. Standard attachments can even be changed in less than 10 seconds.

The attachment is based on your needs. You can find out more about our attachments at: **www.kramer.de/attachments**

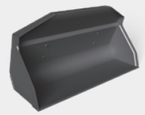
Attachment range

Pallet fork

Pallet forks,
fold-down

Pallet forks,
hydraulic parallel adjustment

Standard bucket with rip-out teeth



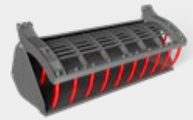
Standard bucket without rip-out teeth

Standard bucket without rip-out teeth
with screwed-on blade

Bale spear

Round bale fork

Multifunctional fork



Silage grab bucket model A

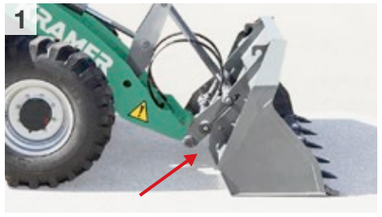
Rotary sweeper

Snowplough model A

Snowplough model B

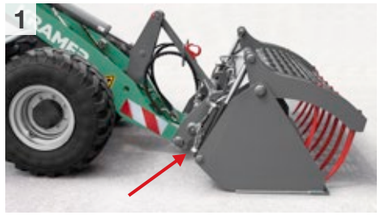
Exact specifications and availabilities of attachments vary by model and country.
Your reliable Kramer dealer will be happy to help you.

Kramer quickhitch system - standard KL12.5, KL14.5, KL18.5, KL19.5, KL25.5, KL25.5T, KL25.5e



With the hydraulic quickhitch system, the switching of tools can be easily executed from the cab. The lock pin is closed by using the touch slide on the joystick. When changing the attachments with the hydraulic auxiliary function, it is necessary for the operator to step out of the machine to manually couple the hoses.

Kramer quickhitch system - Smart Attach KL25.5e (optional)



Smart Attach is a hydraulic quickhitch system developed by Kramer, which is combined with an automatic coupler system. Manual changeover of hydraulic hoses is not required and the operator no longer needs to leave the machine. Operation is as follows directly from the cab using the joystick.

Tyre tread range

- Good self-cleaning
- Good flank protection
- High running performance

Universal tread - BKT
KL12.5, KL14.5

- High running performance
- High level of traction
- Good mobility on soft ground
- Good self-cleaning

Construction machine tread - Mitas
KL12.5, KL14.5

- Good track guiding
- High level of driving safety
- Good self-cleaning
- High running performance

Traction tread - Mitas
KL12.5, KL14.5

- Good self-cleaning
- Good lateral stability
- High running performance, especially when used on hard and aggressive substrates
- High level of traction

Industrial tread - Michelin
KL12.5 - KL14.5

- Good winter serviceability
- High running performance
- Noise-optimised
- For applications on and off of the road

Municipal tread - Continental
KL12.5, KL14.5

- High running performance
- Good self-cleaning
- Good mobility on soft ground
- High level of traction

Universal tread - Alliance
KL18.5, KL19.5, KL25.5, KL25.5T, KL25.5e

- High lift capacity
- High level of traction
- Excellent stability and improved driving comfort
- High level of running smoothness

Multi-purpose tread - Michelin
KL18.5, KL19.5, KL25.5, KL25.5T, KL25.5e

- Good resistance
- Smooth running on the road
- High level of traction
- For applications on and off of the road

Multi-purpose tread - Alliance
KL18.5, KL19.5, KL25.5, KL25.5T, KL25.5e

- Good self-cleaning
- Ideal for loamy ground
- High level of traction
- Smooth running on the road

Traction tread - Mitas Premium
KL18.5, KL19.5, KL25.5, KL25.5T

- Smooth running on the road
- Good resistance
- Well-suited in sand and gravel

Municipal tread - Alliance
KL18.5, KL19.5, KL25.5, KL25.5T, KL25.5e

- High level of traction
- Well-suited in sand and gravel
- Good resistance

Municipal tread - Nokian
KL18.5, KL19.5, KL25.5, KL25.5T, KL25.5e

- Very good traction on loose ground
- Excellent stability
- Cut and impact resistant

Multi-purpose tread - Firestone
KL19.5, KL25.5, KL25.5T, KL25.5e

Choosing the right tyres is crucial when it comes to using your wheel loader. Exact tyre specifications and availabilities vary by model and country. Your reliable Kramer dealer will be happy to help you.

EquipCare - Telematics
All information at a glance

Always a step ahead, because EquipCare provides data, facts and answers to questions: Where is my machine right now, when is maintenance due and when does it make economic sense to replace wear parts? This helps you to avoid downtime and to extend the service life of your machine.

How does it work?

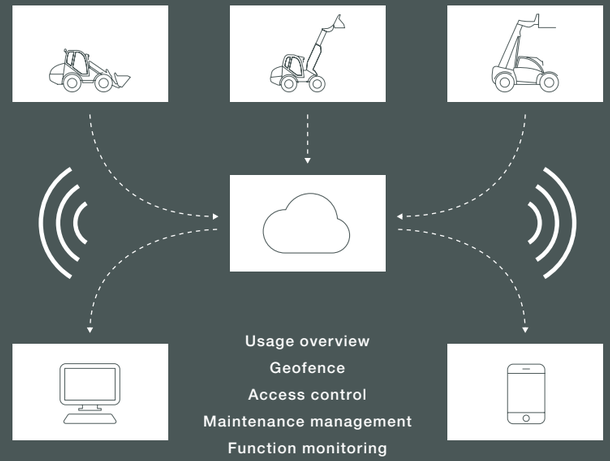
EquipCare is installed as standard on all Kramer vehicles. It contains a telematics module, which collects data from the machines and sends it to the manager or app via a cloud. Here, as the Equipcare user, you can view and assess the data.

The EquipCare Manager is the main portal for the telematics data of your vehicles and is controlled via the computer. The EquipCare app is for mobile access and keeps you informed about everything immediately, no matter where you are.

Your benefits:

Thanks to EquipCare, we always know where your machine is located currently. If the machine leaves a previously defined geo-zone, you will receive a notification on your smartphone or your computer. All events are shown here in detail, from the error message to the maintenance performed. All unnecessary downtime is avoided and the operating duration is precisely recorded.

The machine has recognised a problem? The system automatically notifies your dealer of this on site and they are then able to perform an initial remote diagnosis to avoid a breakdown. Thanks to the proactive communication of your machine, you will be promptly informed about everything.



You can find more information at:
www.kramer.de/equipcare

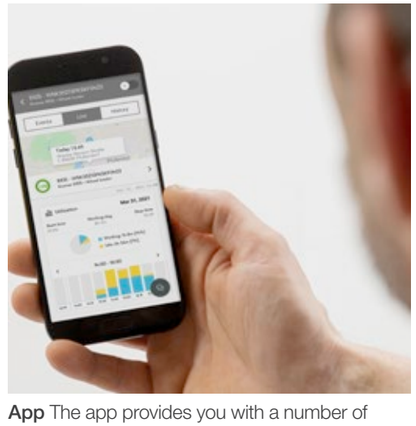
SEARCH NOW!

EQUIPCARE

The telematics portal is available to you around the clock:

EquipCare Manager: The precise position or the GPS data of your machines can be viewed at any time in your password-protected area.

www.kramer.de/equipcarelogin



App The app provides you with a number of functions to access your machine data and information while on the go.
Simply download and install the app from the Google Play Store or the Apple App Store.

◄ **Go to the app**

Top Performance

Dimensions and power-to-weight ratio

- perfect ratio between payload and operating weight
- easy transport on 3.5 t trailers (KL12.5, KL14.5, KL18.5)
- economic use that saves time and fuel thanks to the small turning radius
- economic power-to-weight ratio

Engines

- high torque and economical engines by Yanmar
- the latest exhaust emissions after-treatment with DOC + DPF
- newest engine technology with exhaust emission Stage V

Wheel loaders KL12.5 and KL14.5

- strong lift capacity: KL12.5 - 11.5 kN, KL14.5 - 15.8 kN
- spacious cabin with very good all-round visibility and a variety of options
- three types of steering for maximum flexibility
- Smart Driving PRO with the option of three operating modes for the KL14.5
- low-cabin available optionally as canopy or cabin version

Wheel loader KL18.5

- strong lift capacity of 37 kN
- perfect power ratings of 34.3 kW / 46 hp
- optimal transport weight of 2,685 kg incl. cabin
- high bucket pivotal point of 2,840 mm
- flexible Smart Ballast weights of a total of 100 kg

Telescopic wheel loader KL25.5T

- extra 50% lift height and dumping height
- extra 42% stacking height
- extra 38% load-over height

e.g. for storing straw and hay, stacking round bales, filling high-sided feed mixers or trailers

Fully-electric wheel loader KL25.5e

- no exhaust gas emissions and clearly reduced noise level
- powerful and high-quality lithium ion battery with 37.5 kWh
- low maintenance costs when compared with the diesel machine
- different types charging plug provide maximum flexibility when charging
- easy access to charger plug

Technical Data

Engine	Unit	KL12.5	KL14.5	KL18.5	KL19.5	KL25.5	KL25.5T
Make	–	Yanmar	Yanmar	Yanmar	Yanmar	Yanmar	Yanmar
Type/Model	–	3TNV82A	3TNV86CT	4TNV88C	4TNV88C (standard) 4TNV86CT (option)	4TNV88C (standard) 4TNV86CT (option)	4TNV88C (standard) 4TNV86CT (option)
Output	kW	18.5	28.5	34.3	34.3 (standard) 41.1 (option)	34.3 (standard) 41.1 (option)	34.3 (standard) 41.1 (option)
Max. torque	Nm at rpm	85.5 at 1,200	132.2 at 1,690	140.4 at 1,820	140.4 at 1,820 167 at 1,820 (option)	140.4 at 1,820 167 at 1,820 (option)	140.4 at 1,820 167 at 1,820 (option)
Displacement	cm^3	1,331	1,568	2,190	2,190 (standard) 2,091 (option)	2,190 (standard) 2,091 (option)	2,190 (standard) 2,091 (option)
Exhaust emission stage	–	EU level V	EU level V	EU level V	EU level V	EU level V	EU level V
Power transmission	Unit						
Drive	–	Variable, hydrostatic drive system					
Travel speed	km/h	20	20 (standard) 30 (option)	20 (standard) 30 (option)	20 (standard) 30 (option)	20 (standard) 30 (option)	20 (standard) 30 (option)
Axles	–	Axle carrier made of cast steel with wheel hub motors		Planetary steering axle	Planetary steering axle	Planetary steering axle	Planetary steering axle
Total oscillation angle	°	±7	±7	±8	±8	±8	±8
Differential lock	%	Compensation differential hydraulic (option)	Compensation differential hydraulic (option)	100% (option FA)	100% (option FA)	100% front axle	100% front axle
Service brake	–	Hydrostatically	Hydrostatically	Hydr. disc brake		Hydr. disc brake	
Parking brake	–	Spring-loaded multi-plate braking system, electro-hydraulically controlled to HA		mech. disc brake		mech. disc brake	
Standard tyres	–	27x10.5-15	27x10.5-15	10.5-18	10.5-18	12.0-18	12.0-18
Steering and work hydraulics	Unit						
Steering system functionality	–	Hydrostatic all-wheel steering with emergency steering properties					
		Front-wheel-drive and crab steering (option)			Front wheel steering (option)		
Functional work hydraulics	–	Gear pump					
Steering cylinder	–	Double-acting with independent final position synchronization					
Steering lock max.	°	38	38	38	38	38	38
Max. flow rate of pump	l/min	20	30	56	56	56	56
Max. flow rate of pump optional	l/min	-	56	-	90	90	90
Max. pressure	bar	240	240	240	240	240	240
Quickhitch system	–	HV/WL - S			HV/WL - C		
Pilot operation	–	Hydraulic					
Pilot control of 3rd control circuit	–	Electrical					

Technical Data

Kinematics	Unit	KL12.5	KL14.5	KL18.5	KL19.5	KL25.5	KL25.5T
Design system	–	Z-kinematics	Z-kinematics	P-kinematics	P-kinematics	P-kinematics	Z-kinematics
Lifting force calculation according to ISO 14397-2 hydraulic	kN	11.5	15.8	37	32.5	32.5	32.5
Tearout force calculation as per ISO 14397-2	kN	12.2	13.3	31.7	28	28	28
Lift cylinder raising/lowering	s	6 / 4.5	6 / 4.5	4.6 / 2.9	4.8 / 3.2	4.8 / 3.2	6.7 /5
Tilt in/tilt out tilt cylinder: (upper position of the loader unit)	s	2.4 / 3.3	2.2 / 2.4	2.6 / 3.1	2.1 / 2	2.1 / 2	3.5 / 3
Tilt-in / tilt-out angle	°	43 / 40	43 / 40	45 / 40	43 / 45	43 / 45	30 / 40
Bucket tipping load	kg	1,200	1,400	1,800	1,980	2,340	2,500
Stacking payload S=1.25	kg	750	900	1,200 (1,360)*	1,600	1,750	1,650
Capacities	Unit						
Fuel tank	l	48	48	60	60	60	60
Hydraulic oil tank	l	40	40	58	58	58	58
Electrical system	Unit						
Operating voltage	V	12	12	12	12	12	12
Battery / alternator	Ah/A	74 / 55	74 / 55	74 / 80	74 / 80	74 / 80	74 / 80
Starter motor	kW	1.7	1.7	2.3	2.3	2.3	2.3
Noise emissions**	Unit						
Measured value	dB(A)	99	99	100.3	100.3	100.3	100.3
Guaranteed value	dB(A)	101	101	101	101	101	101
Noise level at the operator's ear	dB(A)	80	80	79	79	79	79
Vibrations***	Unit						
Vibration total value of the upper extremities of the body	m/s^2	< 2.5 m/s^2 (< 8.2 $feet/s^2$)					
Maximum weighted average effective value of acceleration for the body	m/s^2	< 0.5 m/s^2 (< 1.64 $feet/s^2$)**** 1.28 m/s^2 (4.19 $feet/s^2$)*****					

* with Smart Ballast (8 x 12.5 kg)

** Information: The measurement occurs as per the requirements of the standard EN 474 and the directive 2000/14/EC. Measuring station: Paved surface.

*** Uncertainties of measurement as specified in ISO/TR 25398:2006. Please instruct or inform the operator of possible dangers caused by vibrations.

**** On flat and solid ground with the corresponding driving style

***** Application in extraction under harsh environmental conditions

Technical Data

Battery	Unit	KL25.5e
Battery technology	-	Lithium ion battery
Battery voltage class	V	96
Guaranteed battery service life*	Years / cycles	5 / 2,000
Battery capacity	kWh	37.5
On-board charging capacity**	kW	9
Charging time 230 V / 16 A Schuko 0 - 100%	h	18
Charging time 230 V / 16 A CEE (blue, 3-pole) 0 - 100%	h	13.4
Charging time 400 V / 16 A CEE (red, three-phase current, 5-pole) 0 - 100%	h	5.1
Charging time 400 V / 16 A (Type 2 plug wallbox, IEC 62196) 0 - 100%	h	5.1 (depending on charging system)
Running time up to	h	4 hours without intermittent charging
Electric motor		
Drive system performance S2 60 min***	kW	23.2
Work hydraulics performance S3 15%***	kW	25.2
Power transmission	Unit	
Drive	–	Variable electric drive system
Travel speed	km/h	20
Axles	–	Planetary steering axle
Oscillating angle	°	±8
Differential lock	%	100% front axle
Service brake	–	Hydraulic disc brake
Parking brake	–	Electrically operated with Hill-Hold function
Standard tyres	–	12.0-18

* After this time, it is guaranteed that the battery will exhibit a residual capacity of minimum 80%. The battery can still be used afterwards.

** Dependent on the respective voltage source (available socket and charging cable).

*** according to EN 60034-1

Technical Data

Steering and work hydraulics	Unit	KL25.5e
Steering system functionality	–	Hydrostatic all-wheel steering with emergency steering properties
		Front wheel steering option
Functioning of work hydraulics	–	Gear pump
Steering cylinder	–	Double-acting with independent final position synchronization
Steering lock max.	°	38
Max. flow rate of pump optional	l/min	54.5
Max. pressure	bar	230
Quickhitch system	–	HV/WL - C
Pilot operation	–	Mechanical
pilot control of 3rd control circuit	–	Electro-hydraulic
Kinematics	Unit	
Design system	–	P-kinematics
Lifting force calculation according to ISO 14397-2 hydraulic	kN	32.8
Tearout force calculation as per ISO 14397-2	kN	28.1
Lift cylinder raising/lowering	s	5.3 / 3.2
Tilt in/tilt out tilt cylinder: (upper position of the loader unit)	s	1.5 / 1.8
Tilt-in / tilt-out angle	°	48 / 42
Bucket tipping load	kg	2,800
Stacking payload S=1.25	kg	1,750
Capacities	Unit	
Hydraulic oil tank	l	40
Noise emissions*	Unit	
Measured value	dB(A)	84.7
Guaranteed value	dB(A)	87
Noise level at the operator's ear	dB(A)	71
Vibrations**	Unit	
Vibration total value of the upper extremities of the body	m/s^2	< 2.5 m/s^2 (< 8.2 $feet/s^2$)
Maximum weighted average effective value of acceleration for the body	m/s^2	< 0.5 m/s^2 (< 1.64 $feet/s^2$)*** 1.28 m/s^2 (4.19 $feet/s^2$)****

* Information: The measurement occurs as per the requirements of the standard EN 474 and the directive 2000/14/EC. Measuring station: Paved surface.

** Uncertainties of measurement as specified in ISO/TR 25398:2006. Please instruct or inform the operator of possible dangers caused by vibrations.

*** On flat and solid ground with the corresponding driving style

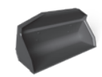
**** Application in extraction under harsh environmental conditions

Technical Data

KL12.5: Standard loader unit	Unit	Standard bucket with rip-out teeth	Standard bucket without rip-out teeth	Power grab bucket with rip-out teeth	Power grab bucket without rip-out teeth
					
Bucket capacity	**m³**	0.35	0.35	0.23	0.23
Material density	**t/m³**	1.80	1.80	1.80	1.80
Attachment total length	**mm**	780	685	774	678
Total vehicle length without attachment	**mm**	3,460	3,460	3,460	3,460
Total vehicle length with attachment tilted max. 200 mm above ground	**mm**	4,050	3,980	4,090	4,020
Bucket width	**mm**	1,250	1,250	1,250	1,250
Bucket swivel point	**mm**	2,800	2,800	2,800	2,800
Load-over height	**mm**	2,680	2,680	2,600	2,600
Dumping height	**mm**	2,290	2,290	2,240	2,240
Dump reach	**mm**	260	260	200	200
Scraping depth	**mm**	60	60	140	140
Weight of attachment	**kg**	113	109	156	151

KL14.5: Standard loader unit	Unit	Standard bucket with rip-out teeth	Standard bucket without rip-out teeth	Power grab bucket with rip-out teeth	Power grab bucket without rip-out teeth
					
Bucket capacity	**m³**	0.36	0.36	0.23	0.23
Material density	**t/m³**	1.80	1.80	1.80	1.80
Overall length of attachment	**mm**	829	753	677	773
Total vehicle length without attachment	**mm**	3,460	3,460	3,460	3,460
Total vehicle length with attachment tilted max. 200 mm above ground	**mm**	4,090	4,040	4,090	4,020
Bucket width	**mm**	1,400	1,400	1,400	1,400
Bucket swivel point	**mm**	2,800	2,800	2,800	2,800
Load-over height	**mm**	2,680	2,670	2,600	2,600
Dumping height	**mm**	2,260	2,240	2,240	2,240
Dump reach	**mm**	290	300	200	200
Scraping depth	**mm**	60	70	140	140
Weight of attachment	**kg**	129	137	189	183

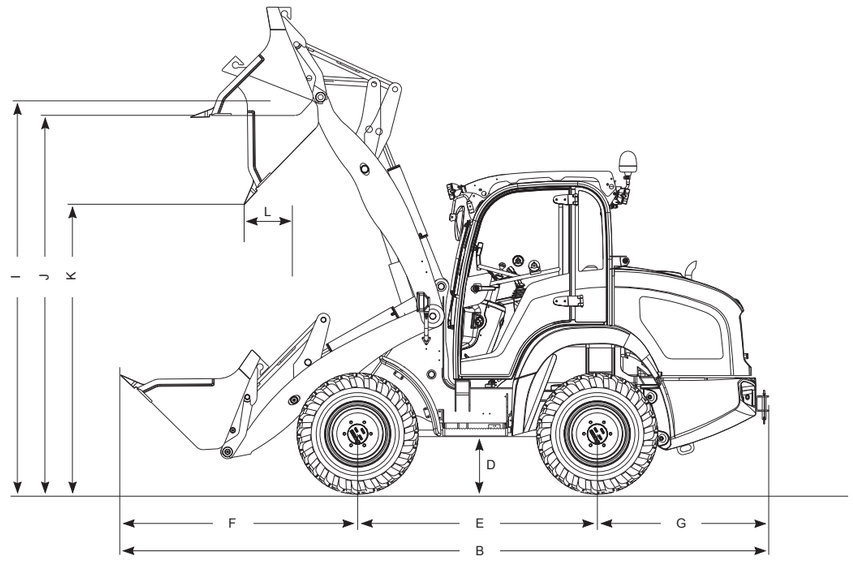
Technical Data

KL25.5e: Standard loader unit	Unit	Standard bucket with rip-out teeth	Standard bucket without rip-out teeth	Standard bucket without rip-out teeth	Power grab bucket with rip-out teeth
					
Bucket capacity	**m³**	0.65	0.65	0.80	0.57
Material density	**t/m³**	1.80	1.80	1.60	1.80
Attachment total length	**mm**	1,000	860	975	1,080
Total vehicle length without attachment	**mm**	4,130	4,130	4,130	4,130
Total vehicle length with attachment tilted max. 200 mm above ground	**mm**	5,110	5,010	5,090	5,110
Bucket width	**mm**	1,650	1,650	1,850	1,650
Bucket swivel point	**mm**	3,017	3,017	3,017	3,017
Load-over height	**mm**	2,850	2,830	2,830	2,850
Dumping height	**mm**	2,320	2,290	2,210	2,320
Dump reach	**mm**	330	340	420	330
Scraping depth	**mm**	110	130	130	110
Weight of attachment	**kg**	244	244	291	479

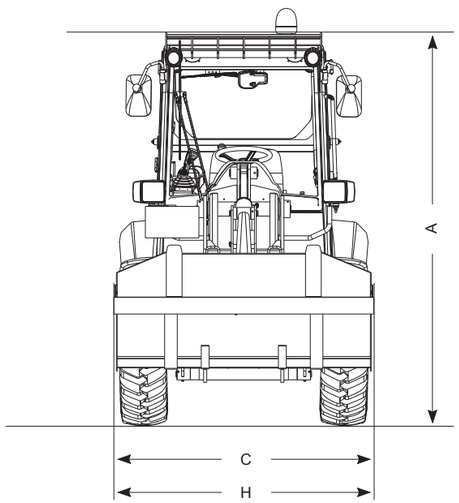
KL25.5eL: Extended loader unit	Unit	Standard bucket with rip-out teeth	Standard bucket without rip-out teeth	Standard bucket without rip-out teeth	Power grab bucket with rip-out teeth
					
Bucket capacity	**m³**	0.55	0.55	0.80	0.57
Material density	**t/m³**	1.80	1.80	1.40	1.80
Attachment total length	**mm**	950	820	980	1,080
Total vehicle length without attachment	**mm**	4,440	4,440	4,440	4,440
Total vehicle length with attachment tilted max. 200 mm above ground	**mm**	5,350	5,260	5,370	5,390
Bucket width	**mm**	1,650	1,650	1,850	1,650
Bucket swivel point	**mm**	3,280	3,280	3,280	3,280
Load-over height	**mm**	3,080	3,070	3,070	3,080
Dumping height	**mm**	2,590	2,560	2,450	2,550
Dump reach	**mm**	420	420	540	450
Scraping depth	**mm**	110	130	130	110
Weight of attachment	**kg**	230	230	292	479

Dimensions

Side view



Front view



Dimensions

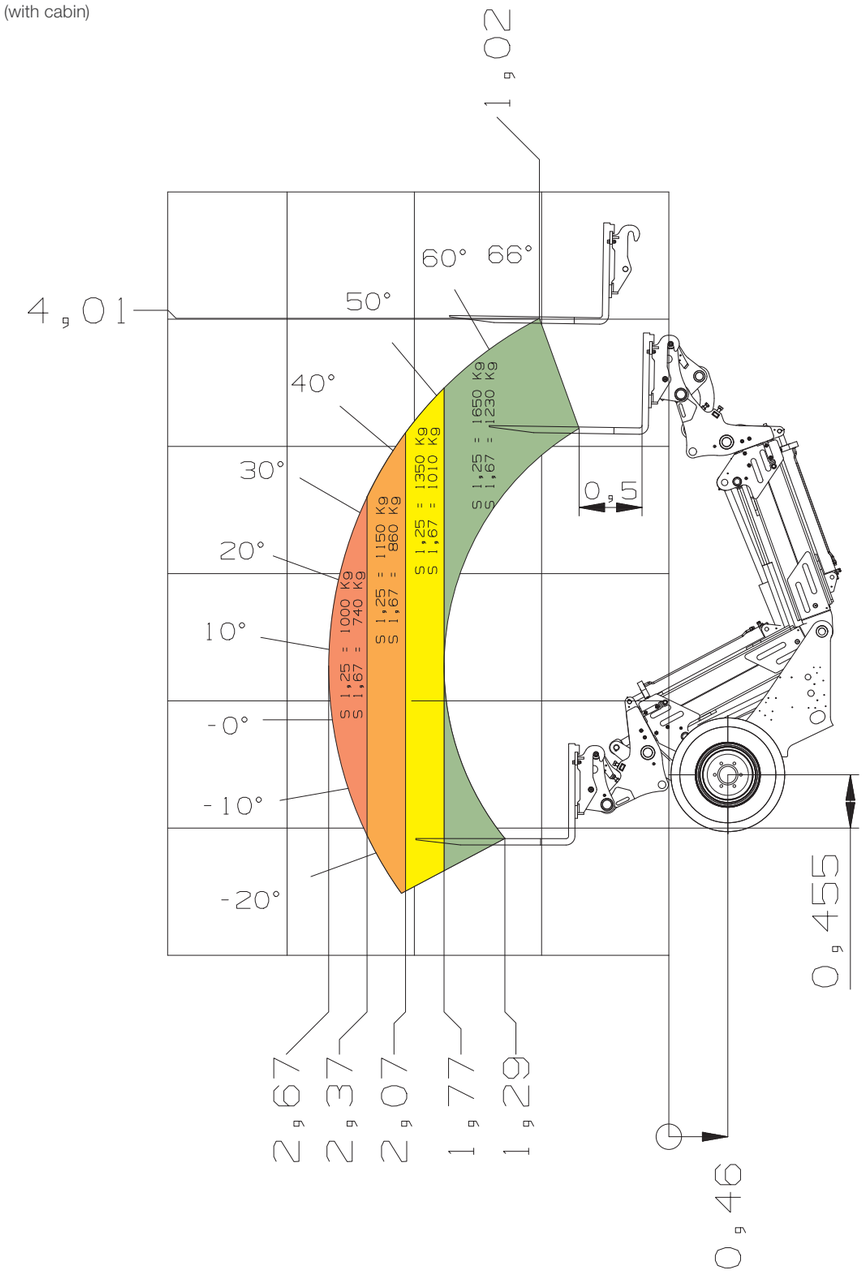
Standard equipment with standard bucket		Unit	KL12.5	KL14.5	KL18.5	KL19.5	KL25.5	KL25.5T	KL25.5e
A	Height*	mm	2,170 (standard) 2,020 (option)	2,170 (standard) 2,020 (option)	2,390	2,390	2,390	2,470	2,380
B	Length	mm	4,050	4,090	4,790	4,950	4,950	5,350	5,110
C	Width*	mm	1,260	1,260	1,590	1,590	1,595	1,595	1,600
D	Ground clearance	mm	220	290	280	280	280	280	265
E	Wheel base	mm	1,525	1,525	1,850	1,850	1,850	2,000	1,850
F	Centre of front axle to tip of teeth	mm	1,390	1,430	1,620	1,780	1,780	1,992	2,025
G	Centre of rear axle to end of vehicle	mm	1,140	1,140	1,320	1,320	1,320	1,320	1,235
H	Bucket width	mm	1,250	1,400	1,650	1,650	1,650	1,650	1,650
I	Bucket swivel point	mm	2,800	2,800	2,840	3,050	3,050	4,270	3,017
J	Load-over height	mm	2,680	2,680	2,610	2,890	2,900	4,010	2,850
K	Dumping height	mm	2,180	2,140	2,080	2,320	2,330	3,500	2,320
L	Dump reach	mm	260	290	270	315	315	810	330
-	Stacking height	mm	2,630	2,630	2,600	2,950	2,950	4,030	2,800
-	Turning radius (over tires)	mm	2,000	2,000	2,700	2,700	2,700	2,900	2,505

Standard equipment with standard bucket		Unit	KL19.5L	KL25.5L	KL25.5eL
A	Height*	mm	2,390	2,390	2,380
B	Length	mm	5,140	5,140	5,350
C	Width*	mm	1,590	1,595	1,600
D	Ground clearance	mm	280	280	265
E	Wheel base	mm	1,850	1,850	1,850
F	Centre of front axle to tip of teeth	mm	1,970	1,970	2,265
G	Centre of rear axle to end of vehicle	mm	1,320	1,320	1,235
H	Bucket width	mm	1,650	1,650	1,650
I	Bucket swivel point	mm	3,300	3,300	3,280
J	Load-over height	mm	3,150	3,150	3,080
K	Dumping height	mm	2,650	2,650	2,590
L	Dump reach	mm	410	410	420
-	Stacking height	mm	3,200	3,200	3,030
-	Turning radius (over tires)	mm	2,700	2,700	2,505

* with standard tyres

Load-bearing capacity diagram

KL25.5T (with cabin)



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