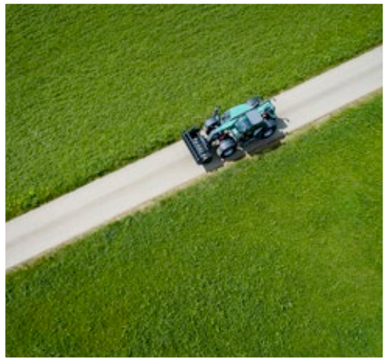
RAISING YOUR STANDARDS

Kramer telehandlers up to 9 m stacking height

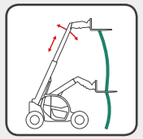
KRAMER
on the safe side

Telehandlers for professional agriculture
Available from your Kramer dealer

Under the traditional brand name Kramer, Kramer-Werke GmbH produces compact wheel loaders, telescopic wheel loaders and telehandlers with a high manoeuvrability, off-road capability and efficiency for agriculture. In the early years of more than the 90-year company history, the company quickly made a name for itself as a manufacturer of tractors. Today, Kramer-Werke GmbH is a medium-sized manufacturing company that not only attaches great importance to its own research and development, but also offers a wide assortment for material handling. All products made by Kramer are characterised by advanced technology and the highest quality. Thanks to decades of experience in the development and production of loading machines, these are ideally matched to customer needs. In order to meet the requirements of professional agriculture in terms of service and advice, Kramer has been offering the machines again directly via an agricultural sales network since 2012. Due to the long history of the company and the continuous company success, Kramer is optimally prepared for future challenges, because the future needs origin.



Perfectly coordinated



Smart Handling

Safe, comfortable and efficient work at the same time is made possible by the intelligent driver assistance system Smart Handling with three standard modes.

High payloads

Thanks to the high payloads, our telehandlers are designed to realize fast and high material handling.

ecospeed & ecospeedPRO

With ecospeed & ecospeedPRO transmissions, the machine accelerates from a standstill to a maximum of 40 km/h without a single shift.

Optimal turning circle

The use of the manoeuvrable telehandlers is also possible in tight farm yards.

An overview of all telehandlers:

On the safe side with Kramer

Rich in tradition, the 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 of this. As a company, Kramer is also a reliable choice for customers and dealers because the experience and innovative power of the company ensures for investment and future security. In short – you are always on the safe side with Kramer: **“Kramer – on the safe side!”**

ON THE SAFE SIDE

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Telehandler with wheel loader properties
Ideally equipped for agriculture

From the start, the toughest agricultural applications were the measure of all things in the development of Kramer telehandlers. The machines were consistently designed for robustness and reliability based on the know-how from the wheel loader development. This can be seen, for example, in the torsionally stiff heavy-duty frame, which can safely accommodate the high payloads of the machine, thanks to its closed design and large material thicknesses.

Starting from the KT447, the telescopic arm is additionally supported laterally in the frame, in order to transfer the forces extensively into the frame during loading work. Just like the frame, all other components such as the shafts, the drive, the hydraulic system, the telescopic arm and the quickhitch plate for hard agricultural work have been optimised.

Flexibility in application
Raise your standards in all areas

With the Kramer telehandlers, you can handle daily work without any problems. The machines not only support you with their impressive performance, but also with standard driver assistance systems and the comfortable cabin designed for maximum ergonomics.

Impressively versatile

The Kramer telehandlers are the perfect helpers, whether stacking, loading material or feeding animals, every job is done quickly with our powerful all-rounders and a large selection of attachments. The telehandlers can also be supplemented with a wide range of additional options. In this way, the telehandlers can be precisely adapted to your requirements in order to make the machine even more versatile.

Impressively efficient

Handling a lot of material in a short amount of time - Kramer telehandlers were built for that. In addition to the comfortable operation, the driver assistance system “Smart Handling” in particular ensures an efficient and precise materials handling. The system offers three modes so that the user can be supported in every situation. In addition, the machine features a sensitive stepless drive as standard, which can accelerate from a standstill to a maximum speed without power interruption. In addition, the machine can optionally be equipped with an automatic bucket reverse, including vibration function, to further shorten the loading cycles.

Impressively sturdy

You can rely on the telehandlers in terms of their robustness and durability. The load stabiliser for the telescopic arm provides a decisive contribution here. The lifting, tilting and telescopic cylinders are equipped with end damping to absorb pressure peaks in the hydraulic system and/or a swaying of the machine - the driver and machine are thus optimally protected from shocks.

Driver assistance system - Smart Driving
Engine speed reduction at maximum speed

When the maximum speed is reached, the intelligent engine speed reduction "Smart Driving" adjusts the engine speed to the performance requirements of the traction drive. This minimizes noise, fuel consumption and the load on individual components. For the machines with ecospeed traction drive, the speed can be reduced to 2000 rpm. For the models with the new ecospeedPRO, it can even be reduced to up to 1550 rpm.

Driver assistance system - Smart Loading
Automatic bucket reverse for faster load cycles

The automatic bucket reverse “Smart Loading” with vibration function ensures faster load cycles, less material loss and the protection against damage to the attachment and the machine.

With the automatic bucket reverse, the attachment can automatically be moved to a previously programmed target position from any initial situation. This noticeably reduces the cycle times when loading and stacking and relieves the driver significantly.

The operator can use the vibration function to be able to quickly empty the bucket despite sticky goods or to be able to accurately portion straw or silage. The attachment begins to vibrate around the starting position by pressing the key combination to easily remove wet or sticky items such as manure, silage, or compost from the attachment.

Driver assistance system - Smart Handling

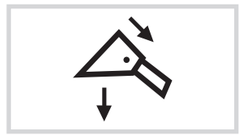
Everything under control, even in the limit range

Maximum payload, fully extended loader unit system, engine speed at the detent – the Smart Handling overload system always has everything under control in any situation. On the one hand, the intelligent driver assistance system prevents loads from reaching the overload area and therefore threatening to overturn the machine in the longitudinal direction. On the other hand, it takes many routine tasks, such as extension and retraction of the telescopic arm, away from the operator so that he can focus on the essential aspects of his work.

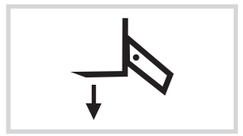
smart handling

Smart Handling - simply select

A mode change takes place via the three-stage selector switch (right picture). To temporarily bypass the overload system, the left pushbutton must be pressed continuously.



Bucket mode



Stacking mode

Manual mode

The three functional modes explained

Bucket mode

When lowering the loader unit, the telescopic arm is automatically retracted slowly. This keeps the load as close to the vehicle as possible and it does not create critical situations, even with maximum payloads. The bucket mode is ideal for loading bulk materials.

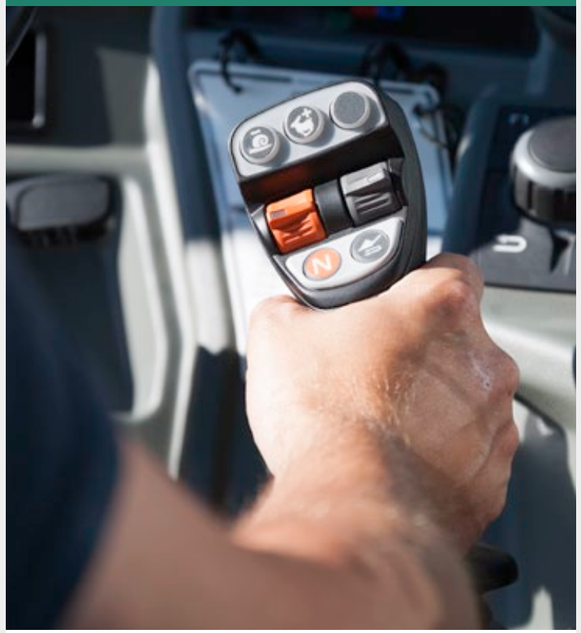
Stacking mode

When lifting and lowering the loader unit, the attachment is moved up and down in a vertical line, i.e. the telescopic arm automatically moves in and out and the load is moved up or down in a straight line. Thus, the cargo always remains in the safe range and stacking work at high altitudes is simplified.

Manual mode

In manual mode, the machine does not perform any automatic movements of the loader unit. The overload protection is of course still active and stops the loader unit as soon as the overload limit is reached. At this point, only retracting, lifting the loader unit and dumping out the attachment are possible.

Joystick handling



You have the whole machine under control with the ergonomic joystick. With up to 17 functions, the most important tasks can be done without letting go of the joystick or changing your grip. For models from the KT276 to the KT407, the joystick is attached to the cab console. For the models of performance class KT447 to KT559, the joystick is affixed directly to the operator's seat.

Just make the right choice
Discover the Kramer product range of telehandlers

The compact machine (KT276)

Thanks to its dimensions of less than 2 m in height and 2 m in width, this machine can also be used ideally in cramped farm yards and stables. When developing the machine, great importance was placed on compactness, while retaining the typical Kramer values of robustness, versatility and efficiency. Just like the larger models, the KT276 has three modes of smart handling. All components of the vehicle have been designed for maximum pushing power and lifting forces.

The all-rounder for the most versatile use (KT306 – KT407)

Thanks to their combination of high payload, unbeatable manoeuvrability, dynamic all-wheel drive and low operating weight, the all-rounders are the all-purpose weapon for every operation. With a simple basic configuration and a multitude of options, this machine class can be adapted to all needs and operational situations.

The performance class for particularly high payloads (KT447 - KT559)

The construction of this machine class has been reinforced for professional use in agriculture and supplemented with high-quality basic equipment. For example, the load sensing hydraulics, the ecospeed or ecospeedPRO transmission and the 100% connectable differential lock on the front axle are fitted as a standard. In addition, there is a comprehensive range of options that leaves nothing to be desired.

The compact machine among the telehandlers KT276

Refined, even under the hood

Whether it's the compact all-rounder or the maximum performance for professional use - all eleven models are made for versatile tasks on the farm. The telehandlers are characterised by their high level of user-friendliness and technical sophistication. Raising your standards.

Work hydraulics
with combined motion sequences
thanks to LUDV technology

Improved all-round visibility
two different vehicle heights
available (1.98 m/2.10 m)

Compact dimensions
due to vehicle width and height of less than 2 m

Numerous
such as a three point linkage on the rear,
pressureless reverse travel with leak oil line, etc.

Powerful engine
from Kohler with 55.4 kW/75 hp
with DOC (exhaust emission level IIIB)

Smart Handling
Overload protection paired with higher productivity

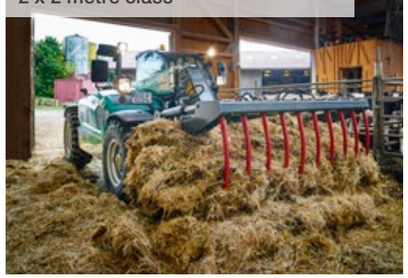
Solid quickhitch plate
from the wheel loader sector

Three steering modes
standard all-wheel, crab and front-wheel steering

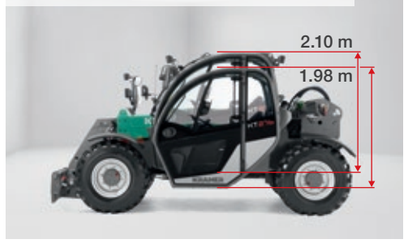
Versatile tyre options
with maximum 20-inch tyres

Machine Highlights

2 x 2 metre class



Increased cabin height for optimized all-around visibility (+120 mm)

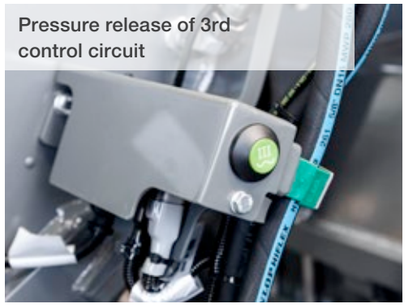


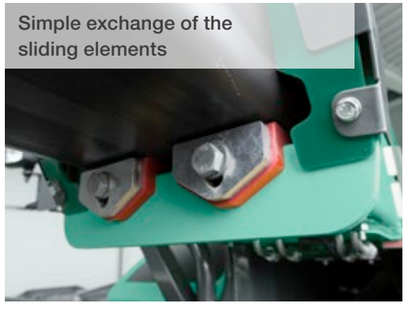
Hydraulic three point linkage on the rear and PTO 540 rpm

Work hydraulics with load-independent flow distribution

The all-rounder and the performance range KT306 - KT559

Sturdy, versatile and efficient to the last detail





Solid quickhitch plate
with four connection points (each 50 mm diameter) for the perfect seat of the attachment

Smart Handling
Overload protection paired with higher productivity

Powerful work hydraulics with
Load Sensing and up to 187 l/min for the fastest work processes

Telescopic arm
with load stabiliser and final position dampening in all cylinders

Modern operating concept
with 7" LCD display, all-in-one joystick and jog dial control element for convenient machine control

Large, wide-opening engine hood
for easy maintenance

Torsion-resistant frame
in box profile design with lateral support for the telescopic arm for the models KT447 - KT559

Powerful Deutz engines
with a maximum performance of 115 kW (156 hp)

Standard rpm reduction
with ecospeed and ecospeedPRO to preserve the operator and the machine

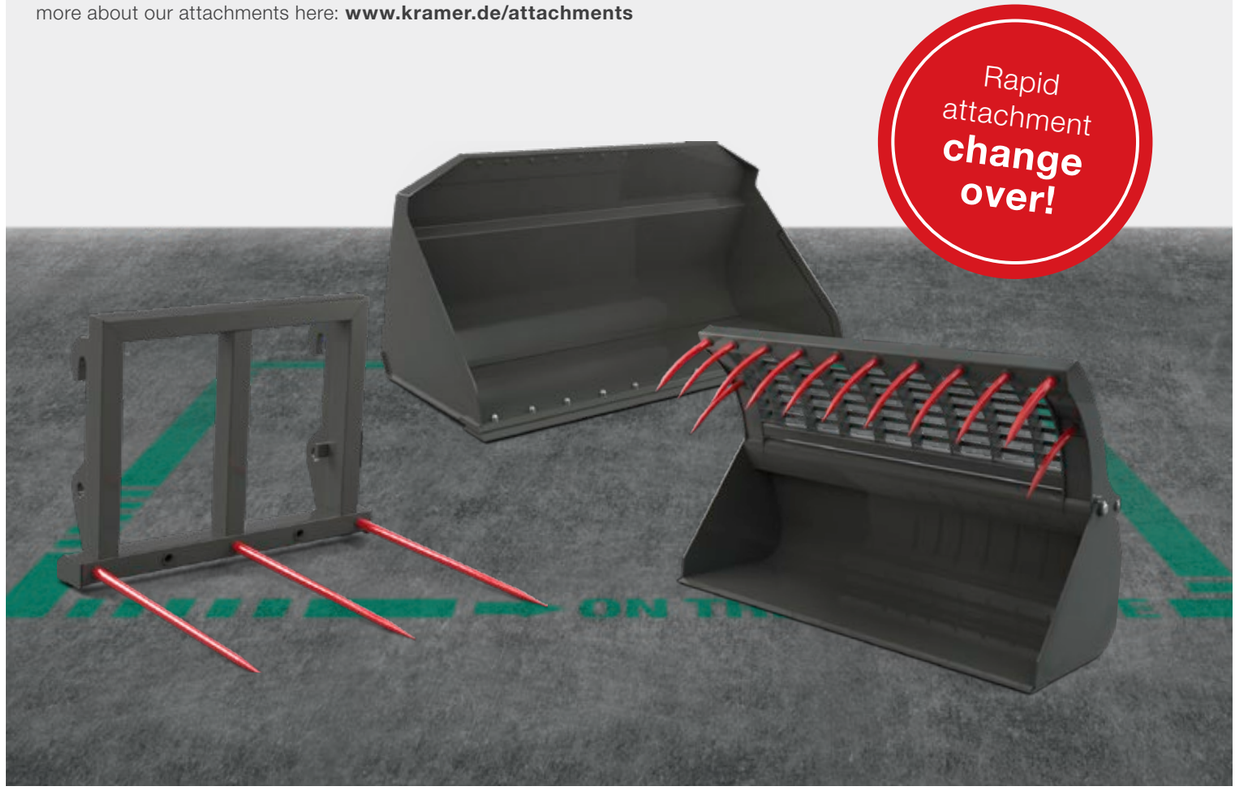
Heavy duty axles
for maximum durability of the vehicle

Variable drive system
for sensitive work and high pushing power

A variety of tasks
Always the right attachments

No matter what challenges your workday has in store for you: With our attachments, you will always have a handle on the situation. Thanks to the sturdy quick-change system, you can attach the right attachment for every task to your Kramer telehandler.

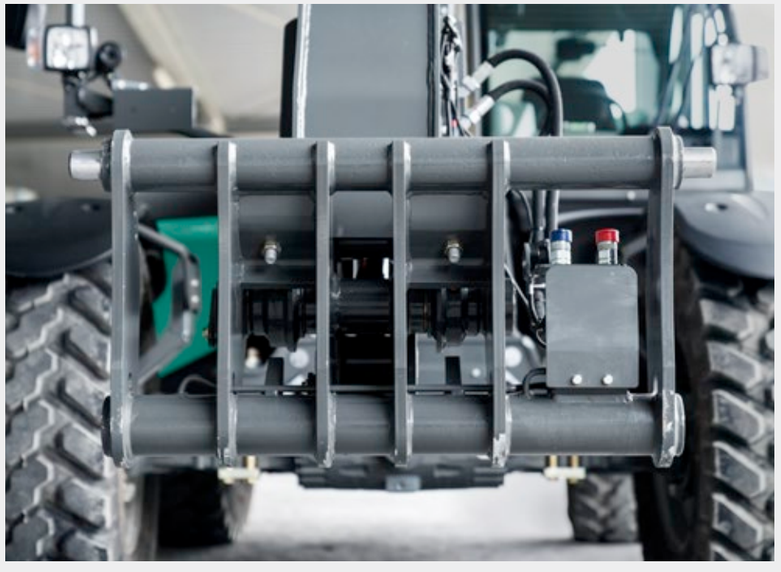
You decide which attachment you need, entirely according to your needs. You can learn more about our attachments here: **www.kramer.de/attachments**



Quick-change system
Ready to take on everything

Of course, the decades-long tradition of the Kramer quickhitch plate has also been continued with the telehandlers. In addition to the reinforced design, the quick coupler system has a 50 mm diameter locating and lock pins, which can safely receive and affix all attachments with the least amount of wear.

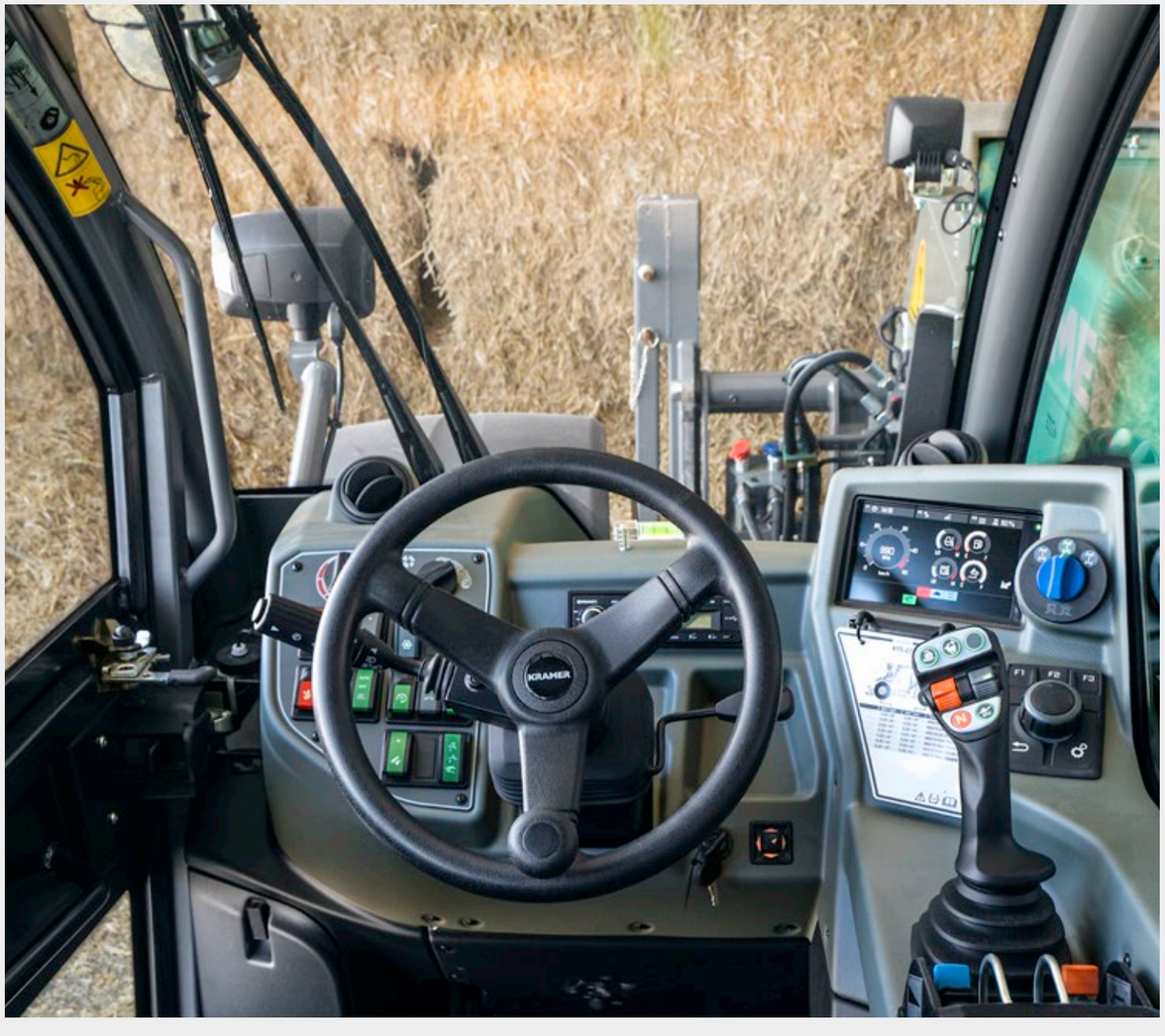
If desired, the attachment is locked mechanically or hydraulically. With hydraulic locking, the attachment can be easily changed from the cab by means of two-hand operation. The hydraulic connections are mounted directly on the quickhitch plate. As a result, they are easily accessible and hydraulic hoses are prevented from being torn out. A metal plate protects the connections from damage. So that the attachment and removal of hydraulic attachments is even faster, the machine can be equipped with a pressure relief of the third control circuit, as well as with a multi-coupler. For attachments with multiple hydraulic functions, the telehandler can be equipped with additional hydraulic circuits, a non-return valve and a leakage pipe.



Comfortable working area
Everything outside in view

The cabin concept of the Kramer telehandlers was tailored to the operator's needs. Functionality, ergonomics and ride comfort were always the focus of the development.

The comfort begins when entering the cabin with the non-slip steps, which can be adjusted individually. From the inside, the cabin impresses with its first-class space offered, outstanding all-round visibility and many other details, such as the internal mirror, tilt-and-adjustable steering column, optional storage with cooling option or the radio with a Bluetooth hands-free kit. With the optional air conditioning system and the seat with air suspension, even long working days can be made more comfortable.



Technical highlights
Simple operation – Innovative cabin design

Display

The telehandler has a modern control panel with large 7-inch LCD display. The setup of the display is simple and intuitive. All important vehicle data and functions are shown in the main menu. The brightness can be regulated and customised to your needs.

Jog Dial

The cabin is equipped with a so-called jog dial. This makes it possible to easily adjust all important machine settings, such as the oil volume of all control circuits. The most important operating data can be shown with the rotary and push wheel and adjusted entirely to the operator's needs.

Hydraulic speed

The display and the jog dial can be used to adjust the speed of the work hydraulics for lifting and lowering the lifting arm as well as tilting in and out the attachments in three stages. This allows the operator to always choose the right balance between speed and precision.

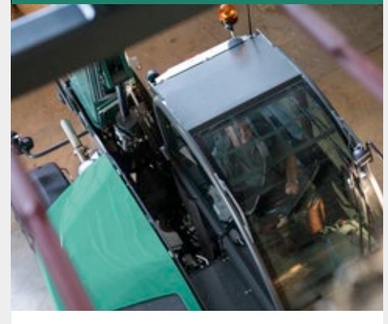
Joystick

You have the whole machine under control with the ergonomic joystick. With up to 17 functions on the joystick, you have the most important machine functions at your fingertips in one hand.

Switch concept

All switches and buttons of the machine are colour-coded so that the operator can find the desired function faster. The buttons with a safety function are red, those for the hydraulics are green, for the electrical system grey and for the drive system blue. All controls are backlit, so you are always able to use the right switch even in the dark.

Panoramic front window



Everything always in view. All Kramer telehandlers have a continuous front window without disturbing cross braces. The window has been pulled up and down as far as possible so that the operator can see the lock pins immediately when changing attachments and still has the attachment in the line-of-sight at maximum stacking height.

Variably economical
The Kramer high-speed gearbox

All Kramer telehandlers are driven by an electronically-controlled hydrostatic gearbox. The best ride comfort and maximum pushing power are thus combined in one transmission and available to you as the operator at all times. Due to the large turning angle of the hydrostatic unit, the machines accelerate from a standstill to a maximum of 40 km/h without shifting. Thanks to this technology, you can increase your productivity while at the same time reducing your fuel and labour costs.

Depending on the model, the telehandlers can be equipped with different transmission versions. The compact machine KT276 and the models of the all-round class KT306 to KT407 are equipped with a sturdy hydrostat by default, which can be used to reach a maximum speed of up to 30 km/h.

The telehandlers KT356, KT357 and KT407 can be optionally equipped with the ecospeed wide-angle hydrostatic transmission, with which the vehicle reaches the final speed of 40 km/h.

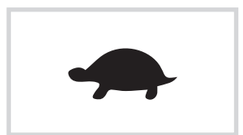
In the machines of the performance range KT447 to KT559, either the ecospeed transmission or the new ecospeedPRO transmission is installed. This is characterised by further increased pushing power and the improved functionality of the rpm limiter Smart Drivings. For customers with maximum demands on pushing power, the models KT447, KT557 and KT559 are also available with a 30 km/h gear ratio, which increases the pushing power again by up to 25%.

ecospeed PRO

Three freely selectable speed levels

The speed levels can be easily changed while driving. The change is performed conveniently with two buttons on the joystick and is immediately shown in the 7" display with a corresponding symbol (see below). In addition to the three speed levels, a low-speed control with electronically controlled hand throttle is available as an option.

Snail: 0 - 7 km/h



Turtle: 0 - 15 km/h

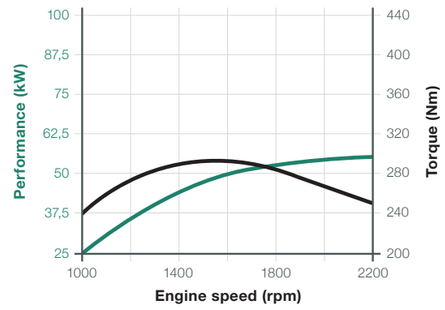
Hare: 0 - 40 km/h
(0 - 30/0 - 20 km/h)

Powerful engines
For any application with reduced consumption

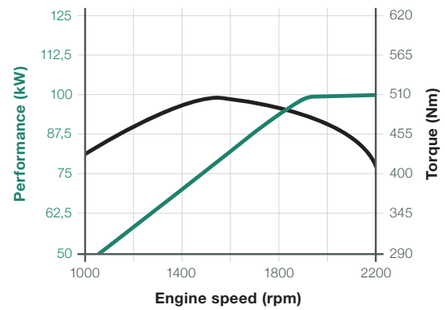
For maximum drive performance with minimum fuel consumption, the right engines are selected for all machines. The KT276 is powered by the 55 kW Kohler KDI 2504 TCR. The models from the KT306 to KT507 are equipped with the Deutz TCD 3.6 with 100 kW. The two top models KT557 and KT559 are equipped with the even more powerful TCD 4.1 with 115 kW, also from Deutz.

The exhaust after treatment of the Kohler KDI 2504 TCR engine is carried out exclusively with a DOC (diesel oxidation catalyst) and therefore complies with the current emission level IIIB. The Deutz TCD 3.6 complies with emissions standard IV with a DOC and SCR technology (Selective Catalytic Reduction) and can optionally also be equipped with a Diesel Particulate Filter (DPF). The even more powerful Deutz TCD 4.1 is equipped as standard with a DOC, DPF and SCR system.

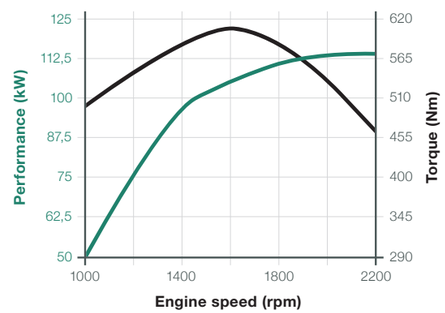
Performance curve Kohler KDI 2504 TCR (KT276)



Performance curve Deutz TCD 3.6 (KT306 - KT507)



Performance curve Deutz TCD 4.1 (KT557 and KT559)

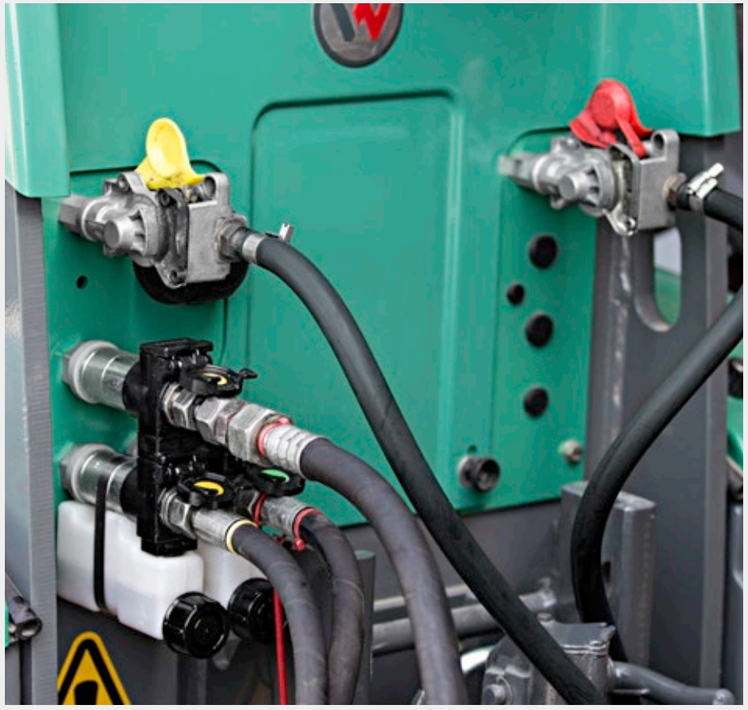


Water-cooled 4-cylinder in-line engine with cooled external Exhaust gas recirculation, turbocharging and intercooling.

Multifunctional rear attachment area
Maximum versatility for all tasks

The Kramer telehandlers are not only characterised by the various quickhitch systems and numerous hydraulic options in the front, the telehandlers also meet all requirements in the rear. For trailer operation, there are various trailer hitches to choose from, which are either solid-frame or height adjustable. A two-circuit compressed air system and a dual-circuit hydraulic brake system are available as an additional trailer brake. In the area of the hydraulic connections, a single-acting tipper connection and a double-acting hydraulic circuit are optionally available.

Height adjustable!



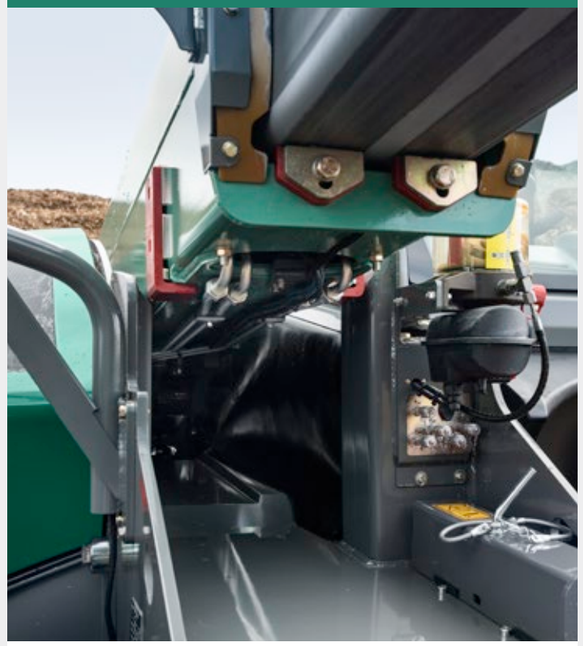
Powerful telescopic arm
Made for the harshest applications

Right from the start, the development of the loader unit focused on maximum sturdiness. Buckets with large volumes, pushing work on the silo or the mucking out of deep litter in stables are no problem with these machines.

The loader unit is made of a high-strength and torsion-resistant box profile. In order to transmit the acting forces safely, even when the telescopic arm is extended, the overlap area of the inner and outer arms is at least one metre. Both arm halves are connected with 13 polyamide sliding elements for the best protection against wear.

External forces are transmitted via the large main pin and its solid mounting in the frame. For the models KT447 to KT559, the loader unit is additionally supported laterally in the context of pushing work, so that the forces are introduced directly into the frame. The standard end position damping in the lifting, extension and tipping cylinders allows for comfortable working. The optional load stabiliser ensures maximum ride comfort and safe handling of heavy loads, even on uneven ground. All this ensures the maximum sturdiness and longevity of the machine.

Lateral guidance of the loader unit



- lateral guidance of the telescopic arm during pushing work (for models KT447 - KT559
- easy replacement or adjustment of the sliding elements
- closed frame structure

Frame reinforcement at the main bearing

- large-scale introduction of torsional forces in the entire frame
- big main bolts and main bearing diameter for maximum sturdiness

Maintenance and service
Easier and faster than ever

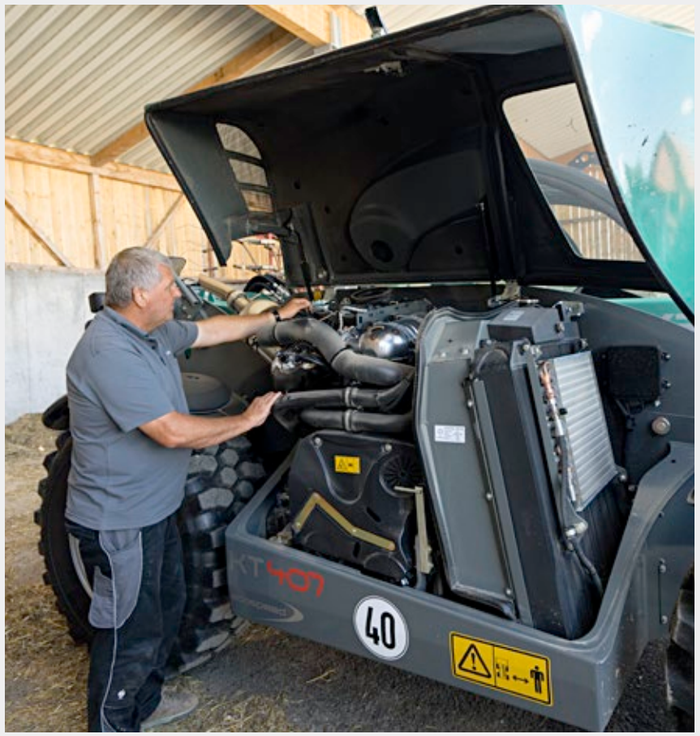
The telehandlers from Kramer also impress with service and maintenance. Already from the design and development, we make sure that you have quick and easy access to all components. Because we know that every minute of application counts for you.

All points of daily maintenance and lubrication work can be conveniently reached from the ground. The centrally located lubrication lines make the latter quick and easy. The engine hood can be opened wide so there is always enough space for maintenance, inspection or repair. In order to access all components of the engine during maintenance, several maintenance openings are integrated into the engine tray.

For easy and quick fault diagnosis in the hydraulic system and the drive, the test connections were merged together in the front of the machine. The highly modern fault diagnosis tool also makes troubleshooting faults in the hydraulics and electronics a breeze. This saves time, money, and nerves.

We are there for you when you need us. Our distributors are among the most efficient service providers in the agricultural sector worldwide. Should a machine fail unexpectedly, we will always be at your side with our partners, even on long days during the harvest and on weekends.

Thanks to our spare parts warehouse, we have tailor-made original spare parts available at all times so that your machine can resume work immediately.



Kramer telehandlers at a glance

Robust

- Torsionally rigid frame for maximum load capacity of the machine
- Lateral support of the loader unit during pushing work
- Large overlap between inner and outer arm and 13 sliding elements
- Standard end position damping in the lifting, telescopic and tipping cylinders
- Sturdy Kramer quickhitch plate:

Intelligent

- Smart Handling: More productivity and large work-load reduction
- Smart Driving: Reduced speed (to a minimum of 1,550 rpm) at maximum travel speed for noise and consumption reduction
- Smart Loading: Automatic bucket reverse with vibration function for faster load cycles
- Load stabiliser with autofunction

Powerful

- High-torque and economical engines from Kohler (KT276) and Deutz (KT306 - KT559)
- Efficient and powerful drive ecospeed and ecospeedPRO for maximum pushing power and, at the same time, maximum sensitivity
- Variable drive system: Acceleration up to 40 km/h and always maximum pushing power
- Hydraulic performance of up to 187 l/min
- Adjustable hydraulic speed and oil volume adjustment for additional control circuits

Comfortable

- Optimised all-round visibility and panoramic front window
- Large cabin and ergonomic operation
- Colour-coded operator's controls grouped into groups
- 7-Inch colour display standard: All machine information and settings at a glance
- Pressure relief for the third control circuit at the gooseneck

Versatile

- Large variety of options for meeting all requirements.
- A variety of attachments for all applications
- Pneumatic brake system and hydraulic trailer brake directly ex works

Technical data

Operating and performance data	Unit	KT276	KT306	KT356
Max. payload (LSP 500 mm)	kg	2,700	3,000	3,500
Max. stacking height	mm	5,730	6,150	6,150
Payload at max. stacking height	kg	1,800	2,500	3,000
Payload at max. coverage	kg	1,000	1,200	1,350
Stacking height at max. payload	mm	4,700	5,770	5,460
Reach at max. payload	mm	1,400	1,680	1,500
Max. reach	mm	3,156	3,280	3,280
Turning radius via tyres	mm	3,670	3,840	3,840
Operating weight	kg	4,200 - 5,000	5,720 - 6,820	6,020 - 7,050
Engine	Unit			
Make	–	Kohler	Deutz	Deutz
Type/Model	–	KDI 2504 TCR	TCD 3.6/L4	TCD 3.6/L4
Performance	kW/PS	55.4/75	100/136	100/136
Max. torque	Nm	300	500	500
Displacement	cm^3	2,482	3,621	3,621
Exhaust emission stage	–	Level IIIB	Level IV	Level IV
Exhaust after-treatment	–	DOC	DOC + SCR	DOC + SCR
Power transmission	Unit			
Drive system	–	Hydrostat	Hydrostat	Hydrostat
Max. speed	km/h	30 (option)	30	40 (option)
Total oscillating angle on the rear axle	°	20	20	20
Differential lock	–	100% in the front axle (optional)	45% self-locking differential on front axle	
Service brake	–	Foot-activated hydraulic disc brake		
Parking brake	–	Hand-operated mechanical disc brake		
Standard tyres (AS tread)	–	12.5-18	405/70-24	
Work hydraulics	Unit			
Work pump	–	Gear pump with LUDV		Load-sensing axial piston pump
Max. flow rate (pump)	l/min	89	100	140
Max. pressure	bar	260	260	260
Kinematics	Unit			
Bucket	m^3	0.85 - 1.8	1.0 - 2.0	1.0 - 2.0
Total swing angle of tool carrier	°	132 (series) 150 (option)	155	155
Lift cylinder raising/lowering	s	6.6/4.3	7/5	5/4
Extend/retract push-out cylinder	s	5.5/3.5	8/6	5/4
Tilt out/intipping cylinder	s	2.9/2.8	4/4	3/3
Capacities	Unit			
Fuel tank	l	95	100	100
DEF tank	l	-	9.5	9.5
Hydraulic tank	l	80	100	100
Hydraulic system (total)	l	130	170	170
Noise emissions*	Unit			
Measured value	dB(A)	103	105	105
Guaranteed value	dB(A)	104	106	106
Noise level at the operator's ear	dB(A)	80	77	77
Vibrations**	Unit			
Vibration total value of the upper body extremity	–	< 2.5 m/s^2 (< 8.2 $feet/s^2$)		
Highest effective value of weighted acceleration for the body	–	< 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 1459 and the directive 2000/14/EC. Measuring station: Paved surface.

** Measurement uncertainties as specified in ISO/TR 25398:2006. Please instruct or inform the operator of possible dangers caused by vibrations.
*** on level and paved ground with appropriate driving style
**** Use in extraction under harsh environmental conditions

Technical data

Operating and performance data	Unit	KT307	KT357	KT407	KT447
Max. payload (LSP 500 mm)	kg	3,000	3,500	4,000	4,400
Max. stacking height	mm	7,000	7,000	7,000	7,000
Payload at max. stacking height	kg	2,000	2,200	2,400	3,300
Payload at max. coverage	kg	1,000	1,200	1,500	1,500
Stacking height at max. payload	mm	5,500	5,220	4,500	5,100
Reach at max. payload	mm	1,780	1,680	1,720	1,600
Max. reach	mm	3,760	3,760	3,760	3,790
Turning radius via tyres	mm	3,840	3,840	3,840	3,755
Operating weight	kg	5,920 - 7,250	6,170 - 7,500	6,810 - 7,850	8,100 - 9,100
Engine	Unit				
Make	–	Deutz	Deutz	Deutz	Deutz
Type/Model	–	TCD 3.6/L4	TCD 3.6/L4	TCD 3.6/L4	TCD 3.6/L4
Performance	kW/PS	100/136	100/136	100/136	100/136
Max. torque	Nm	500	500	500	500
Displacement	cm^3	3,621	3,621	3,621	3,621
Exhaust emission stage	–	Level IV	Level IV	Level IV	Level IV
Exhaust after-treatment	–	DOC + SCR	DOC + SCR	DOC + SCR	DOC + SCR
Power transmission	Unit				
Drive system	–	Hydrostat	Hydrostat	Hydrostat	ecospeed
Max. speed	km/h	30	40 (option)	40 (option)	40
Total oscillating angle on the rear axle	°	20	20	20	20
Differential lock	–	45% self-locking differential on front axle			100% at the front axle
Service brake	–	Foot-activated hydraulic disc brake			Foot-actuated hydraulic oil bath multi-disc brake
Parking brake	–	Hand-operated mechanical disc brake			Electro-hydraulic multi-disc brake
Standard tyres (AS tread)	–	405/70-24			460/70R24
Work hydraulics	Unit				
Work pump	–	Gear pump with LUDV		Load-sensing axial piston pump	
Max. flow rate (pump)	l/min	100	140	140	140
Max. pressure	bar	260	260	260	260
Kinematics	Unit				
Bucket	m^3	1.0 - 2.0	1.0 - 2.0	1.0 - 2.0	1.2 - 3.0
Total swing angle of tool carrier	°	155	155	155	152
Lift cylinder raising/lowering	s	8/6	6/5	6/5	6.5/5
Extend/retract push-out cylinder	s	8/7	8/7	6/7	6/7
Tilt out/intipping cylinder	s	4/4	3/3	3.5/3	3.5/3
Capacities	Unit				
Fuel tank	l	100	100	100	180
DEF tank	l	9.5	9.5	9.5	12
Hydraulic tank	l	100	100	100	100
Hydraulic system (total)	l	170	170	170	190
Noise emissions*	Unit				
Measured value	dB(A)	105	105	105	104
Guaranteed value	dB(A)	106	106	106	106
Noise level at the operator's ear	dB(A)	77	77	77	76
Vibrations**	Unit				
Vibration total value of the upper body extremity	–	< 2.5 m/s^2 (< 8.2 $feet/s^2$)			
Highest effective value of weighted acceleration for the body	–	< 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 1459 and the directive 2000/14/EC. Measuring station: Paved surface.

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*** on level and paved ground with appropriate driving style
**** Use in extraction under harsh environmental conditions

Technical data

Operating and performance data	Unit	KT507	KT557	KT429	KT559
Max. payload (LSP 500 mm)	kg	4,800	5,500	4,200	5,500
Max. stacking height	mm	7,000	7,017	8,750	8,750
Payload at max. stacking height	kg	3,500	4,000	4,200	1,300/5,500**
Payload at max. coverage	kg	1,700	2,000	1,500	2,200
Stacking height at max. payload	mm	5,600	5,500	8,750	6,400/8,750**
Reach at max. payload	mm	1,700	1,890	2,000	2,400
Max. reach	mm	3,790	3,900	4,790	4,790
Turning radius via tyres	mm	4,240	4,240	4,415	4,350
Operating weight	kg	8,600 - 9,600	9,500 - 10,500	9,000 - 10,500	10,500 - 11,500
Engine	Unit				
Make	–	Deutz	Deutz	Deutz	Deutz
Type/Model	–	TCD 3.6/L4	TCD 4.1/L4	TTCD 3.6/L4	TCD 4.1/L4
Performance	kW/PS	100/136	115/156	100/136	115/156
Max. torque	Nm	500	609	500	609
Displacement	cm^3	3,621	4,038	3,621	4,038
Exhaust emission stage	–	Level IV	Level IV	Level IV	Level IV
Exhaust after-treatment	–	DOC + SCR	DOC + DPF + SCR	DOC + SCR	DOC + DPF + SCR
Power transmission	Unit				
Drive system	–	ecospeed	ecospeedPRO	ecospeed	ecospeedPRO
Max. speed	km/h	40 (option)	40	40 (option)	40
Total oscillating angle on the rear axle	°	20	20	20	20
Differential lock	–	100% at the front axle			
Service brake	–	Foot-actuated hydraulic oil bath multi-disc brake			
Parking brake	–	Electro-hydraulic multi-disc brake			
Standard tyres (AS tread)	–	460/70R24			
Work hydraulics	Unit				
Work pump	–	Load-sensing axial piston pump			
Max. flow rate (pump)	l/min	140 (standard) / 187 (option)	187	140 (standard) / 187 (option)	187
Max. pressure	bar	260	260	215	260
Kinematics	Unit				
Bucket	m^3	1.2 - 3.0	1.2 - 4.0	1.2 - 3.0	1.2 - 4.0
Total swing angle of tool carrier	°	152	152	152	152
Lift cylinder raising/lowering	s	6.5/5	6.5/6	9.4/7.5	9.4/7.5
Extend/retract push-out cylinder	s	6/7	6/6	7.1/8.3	7.1/8.3
Tilt out/intipping cylinder	s	3.5/3	3.5/3	4.0/3.4	4/3.4
Capacities	Unit				
Fuel tank	l	180	180	180	180
DEF tank	l	12	12	12	12
Hydraulic tank	l	100	100	100	100
Hydraulic system (total)	l	190	190	190	190
Noise emissions*	Unit				
Measured value	dB(A)	104	105	104	105
Guaranteed value	dB(A)	106	106	106	106
Noise level at the operator's ear	dB(A)	76	77	76	77
Vibrations***	Unit				
Vibration total value of the upper body extremity	–	< 2.5 m/s^2 (< 8.2 $feet/s^2$)			
Highest effective value of weighted acceleration for the body	–	< 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 1459 and the directive 2000/14/EC. Measuring station: Paved surface.

** with hydraulic level compensation

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

**** on level and paved ground with appropriate driving style

***** Use in extraction under harsh environmental conditions

Dimensions

Telehandler up to 9 m stacking height

	Dimensions		Unit	KT276	KT306	KT356	KT307	KT357	KT407
A	**Total length** [1, 2, 3]		mm	4,400	4,580	4,580	4,880	4,880	4,880
B	**Total length with bucket** [4]		mm	5,000	5,300	5,300	5,600	5,600	5,600
C	**Total width without bucket** [5]		mm	1,960	2,285	2,285	2,285	2,285	2,285
D	**Front/rear track** [6]		mm	1,660	1,880	1,880	1,880	1,880	1,880
E	**Total height** [7]		mm	1,980	2,310	2,310	2,310	2,310	2,310
F	**Cabin width**		mm	825	990	990	990	990	990
G	**Wheelbase, middle**		mm	2,650	2,850	2,850	2,850	2,850	2,850
H	**Ground clearance** [7] **below shaft and transmission, fording depth**		mm	300	415	415	415	415	415
I	**Distance from centre of rear wheel to the tail** [1, 2, 3]		mm	730	630	630	830	830	830
J	**Rear actuation angle (departure angle)** [8]		°	76	60	60	60	60	60
K	**Tilt in angle** [4]		°	45/45	49	49	49	49	49
L	**Tilt out angle**[4]		°	22/40	41	41	41	41	41
M	**Load-over height** [7]	**M1 retracted** **M2 extended**	mm	3,730 5,600	4,070 5,970	4,070 5,970	4,520 6,820	4,520 6,820	4,520 6,820
N	**Dumping height** [7]	**N1 retracted** **N2 extended**	mm	3,450 5,280	3,580 5,480	3,580 5,480	4,030 6,330	4,030 6,330	4,030 6,330
O	**Dumping width**	**extended**	mm	680	270	270	110	110	110
P	**Tele extension length**	**P1 retracted** **P2 extended**	mm	4,420 6,260	4,670 6,570	4,670 6,570	5,255 7,820	5,255 7,820	5,255 7,820
Q	**Total height with rotating beacon**		mm	2,210	2,540	2,540	2,540	2,540	2,540
R	**Total height of the telescopic arm bearing in the frame** [7]		mm	1,415	1,600	1,600	1,600	1,600	1,600
S	**Distance from centre front wheel to blade leading edge**		mm	1,840	1,820	1,820	1,920	1,920	1,920
T	**Distance from centre front wheel bearing to the quick coupler system seatings**		mm	1,030	1,100	1,100	1,200	1,200	1,200
U	**Bucket pivotal point** [7]	**U1 retracted** **U2 extended**	mm	4,240 6,080	4,585 6,485	4,585 6,485	5,035 7,335	5,035 7,335	5,035 7,335
V	**Transport position with attachment**		mm	175	250	250	250	250	250
–	**Turning radius wheels, outside edge**		mm	3,670	3,840	3,840	3,840	3,840	3,840
–	**Turning radius bucket, outside edge**		mm	4,500	4,900	4,900	5,000	5,000	5,000
–	**Entry height** [7] **cabin floor**		mm	360	720	720	720	720	720

[1] with hitch coupling + 70 mm (KT276); + 320 mm (KT306, KT356, KT307, KT357, KT447, KT507, KT557); + 154 mm (KT559)
[2] with height-adjustable ball hitch + 320 mm (KT306, KT356, KT307, KT357, KT447, KT507, KT557)
[3] with fixed ball hitch + 200 mm (KT306, KT356, KT307, KT357, KT447, KT507, KT557)
[4] with standard bucket
[5] depending on the tyres, with mirrors folded in
[6] - 60 mm at 460 / 70-24 (KT306, KT356, KT307, KT357); + 20 mm at 500 / 70R24; + 40 mm at 440 / 70R28; + 60 mm at 17.5-25 (KT447, KT557, KT507, KT559)
[7] Machine dimensions may vary depending on the tyres
[8] with ball hitch 51 ° (KT276); 32 ° (KT306, KT356, KT307, KT357)

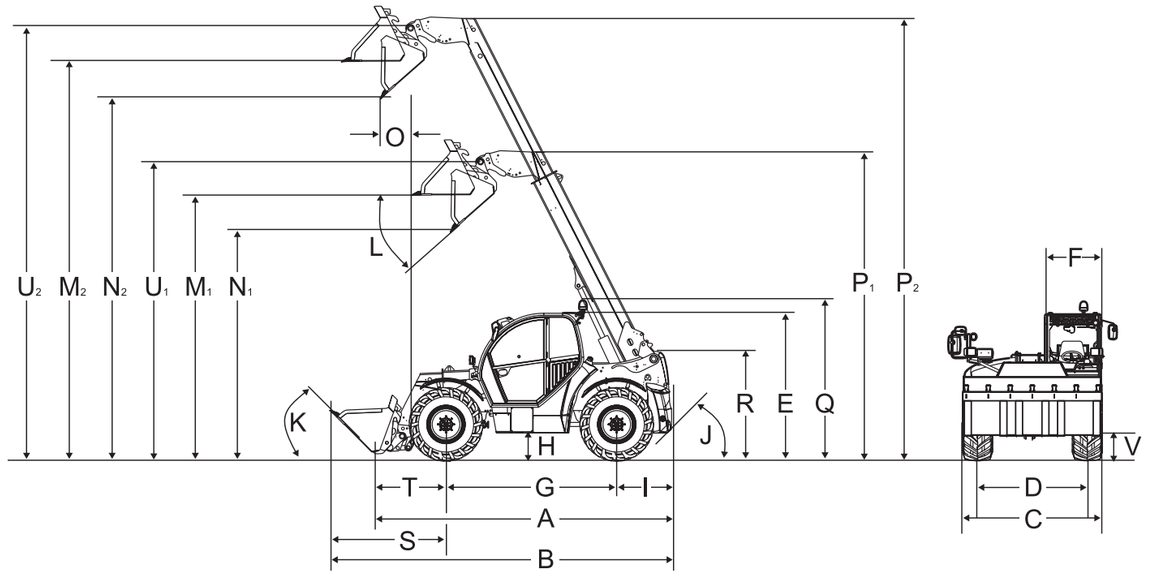
Dimensions

Telehandler up to 9 m stacking height

	Dimensions		Unit	KT447	KT507	KT557	KT429	KT559
A	Total length [1, 2, 3]		mm	4,985	4,985	4,985	5,600 - 5,890	5,600 - 5,890
B	Total length with bucket [4]		mm	Up to 6,160	Up to 6,160	Up to 6,160	Up to 6,690	Up to 6,690
C	Total width without bucket [5]		mm	2,500	2,500	2,500	2,500	2,500
D	Front/rear track [6]		mm	1,995 - 2,065	1,995 - 2,065	1,995 - 2,065	1,995 - 2,065	1,995 - 2,065
E	Total height [7]		mm	2,570	2,570	2,570	2,570	2,570
F	Cabin width		mm	990	990	990	990	990
G	Wheelbase, middle		mm	2,950	2,950	2,950	3,150	3,150
H	Ground clearance [7] below shaft and transmission, fording depth		mm	418	418	418	418	412
I	Distance from centre of rear wheel to the tail [1, 2, 3]		mm	950 - 1,100	950 - 1,100	950 - 1,100	1,140	1,140
J	Rear actuation angle (departure angle) [8]		°	35	35	35	46	32
K	Tilt in angle [4]		°	45	45	45	45	45
L	Tilt out angle [4]		°	41	41	41	41	41
M	Load-over height [7]	M1 retracted M2 extended	mm	4,518 6,835	4,518 6,835	4,518 6,835	5,545 8,498	5,545 8,498
N	Dumping height [7]	N1 retracted N2 extended	mm	3,865 6,183	3,865 6,183	3,865 6,183	5,015 7,997	5,015 7,997
O	Dumping width	extended	mm	495	495	495	63	63
P	Tele extension length	P1 retracted P2 extended	mm	5,287 7,604	5,287 7,604	5,287 7,604	6,277 9,243	6,277 9,243
Q	Total height with rotating beacon		mm	2,740	2,740	2,740	2,740	2,740
R	Total height of the telescopic arm bearing in the frame [7]		mm	1,761	1,761	1,761	1,935	1,935
S	Distance from centre front wheel to blade leading edge		mm	max. 2,260	max. 2,260	max. 2,260	max. 2,400	max. 2,400
T	Distance from centre front wheel bearing to the quick coupler system seatings		mm	753	753	753	1,310	1,310
U	Bucket pivotal point [7]	U1 retracted U2 extended	mm	5,092 7,409	5,092 7,409	5,092 7,409	6,116 9,083	6,116 9,083
V	Transport position with attachment		mm	250	250	250	250	250
–	Turning radius wheels, outside edge		mm	4,240	4,240	4,240	4,415	4,415
–	Turning radius bucket, outside edge		mm	5,265	5,265	5,265	5,650	5,650
–	Entry height [7] cabin floor		mm	975	975	975	975	975

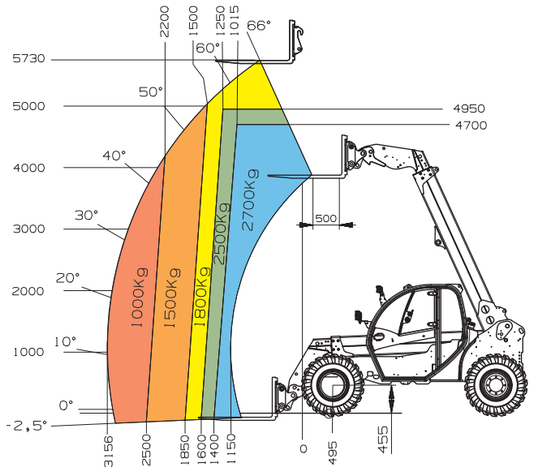
[1] with hitch coupling + 70 mm (KT276); + 320 mm (KT306, KT356, KT307, KT357, KT447, KT507, KT557); + 154 mm (KT559)
[2] with height-adjustable ball hitch + 320 mm (KT306, KT356, KT307, KT357, KT447, KT507, KT557)
[3] with fixed ball hitch + 200 mm (KT306, KT356, KT307, KT357, KT447, KT507, KT557)
[4] with standard bucket
[5] depending on the tyres, with mirrors folded in
[6] - 60 mm at 460 / 70-24 (KT306, KT356, KT307, KT357); + 20 mm at 500 / 70R24; + 40 mm at 440 / 70R28; + 60 mm at 17.5-25 (KT447, KT557, KT507, KT559)
[7] Machine dimensions may vary depending on the tyres
[8] with ball hitch 51 ° (KT276); 32 ° (KT306, KT356, KT307, KT357)

Dimensions

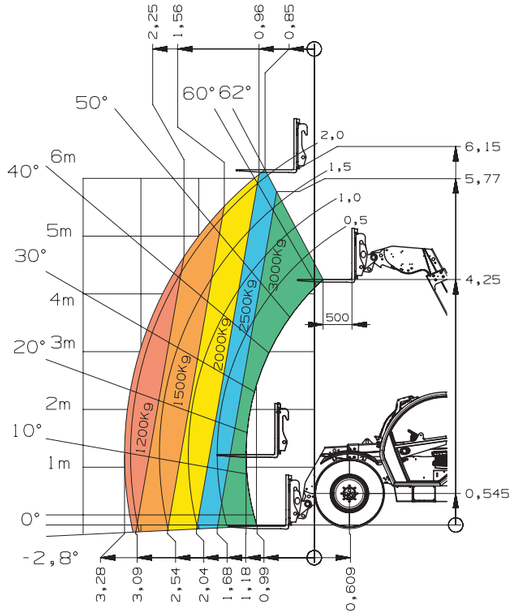


Load-bearing capacity diagrams

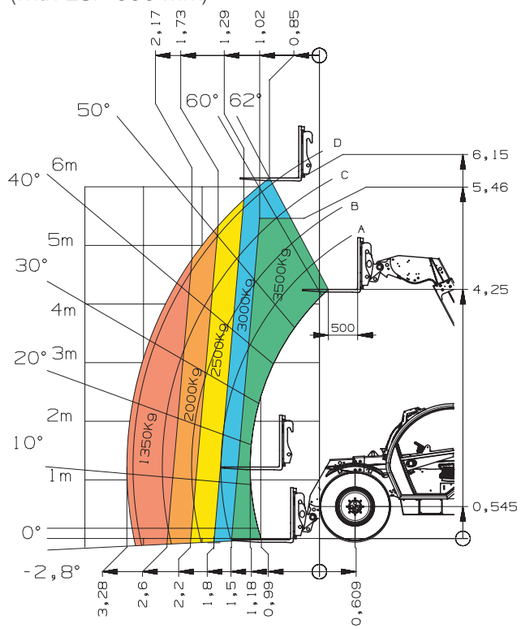
KT276 Load-bearing capacity diagram
(with LSP 500 mm)



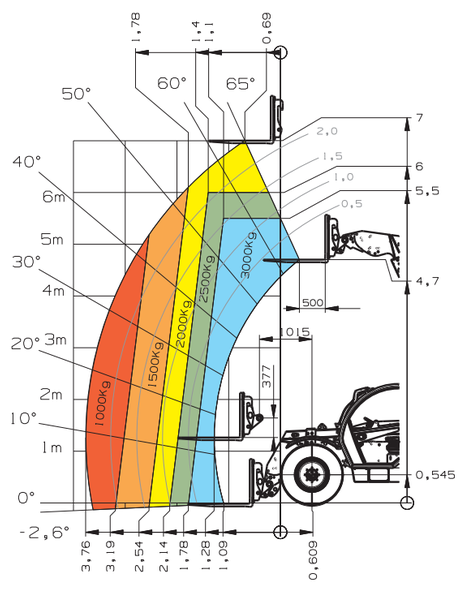
KT306 Load-bearing capacity diagram
(with LSP 500 mm)



KT356 Load-bearing capacity diagram
(with LSP 500 mm)

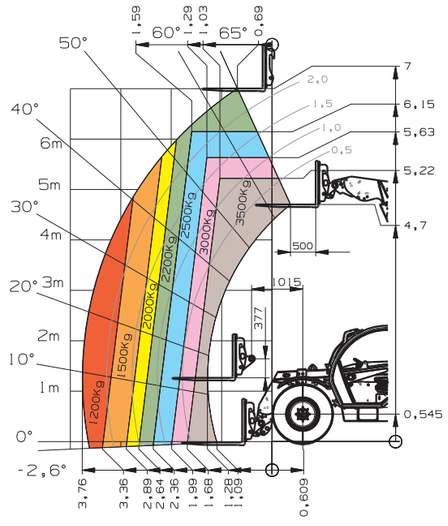


KT307 Load-bearing capacity diagram
(with LSP 500 mm)

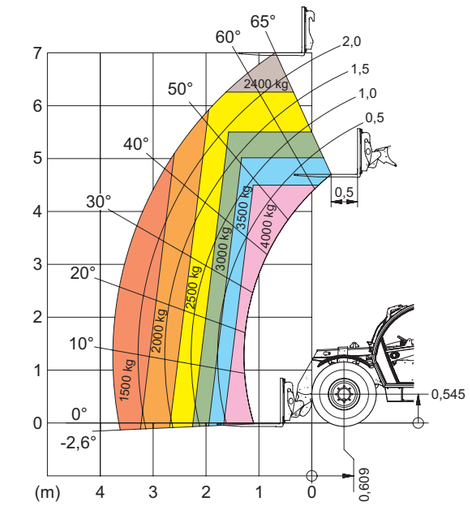


Load-bearing capacity diagrams

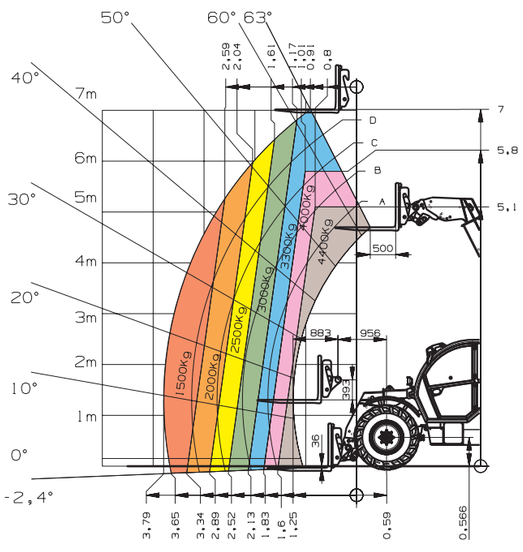
KT357 Load-bearing capacity diagram
(with LSP 500 mm)



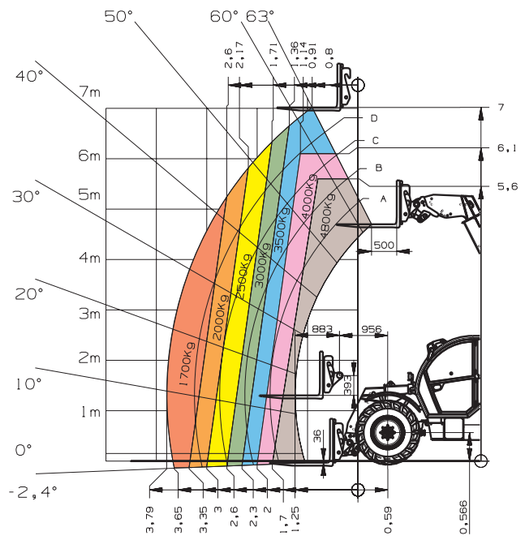
KT407 Load-bearing capacity diagram
(with LSP 500 mm)



KT447 Load-bearing capacity diagram
(with LSP 500 mm)

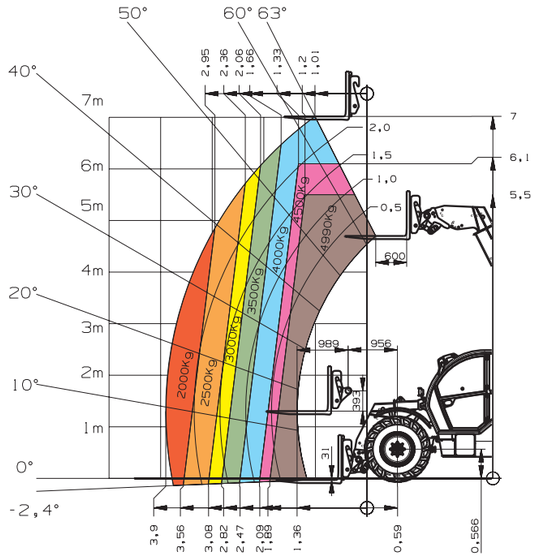


KT507 Load-bearing capacity diagram
(with LSP 500 mm)

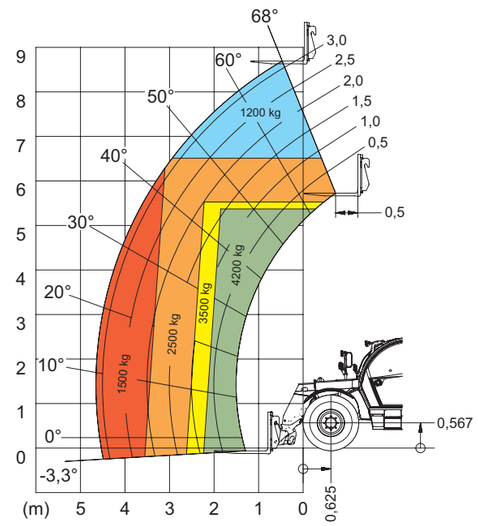


Load-bearing capacity diagrams

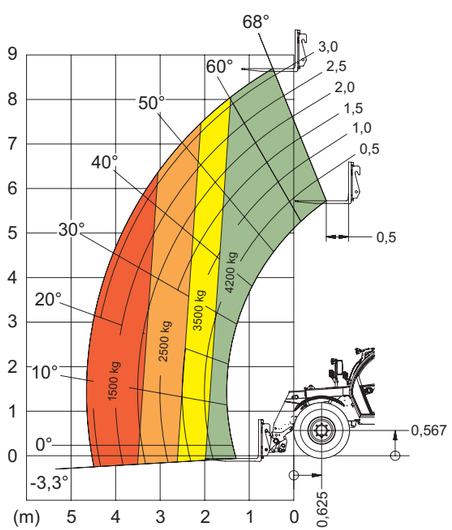
KT557 Load-bearing capacity diagram
(with LSP 600 mm)



KT429 Load-bearing capacity diagram
(with LSP 500 mm)
without oscillating axle lock

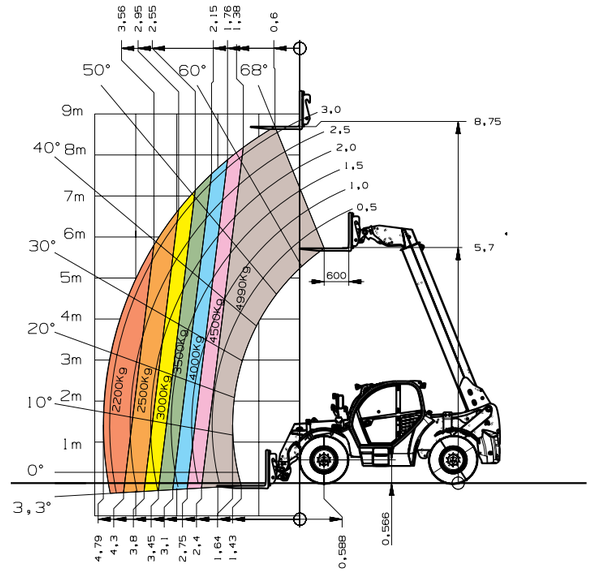


KT429 Load-bearing capacity diagram
(with LSP 500 mm)
with oscillating axle lock

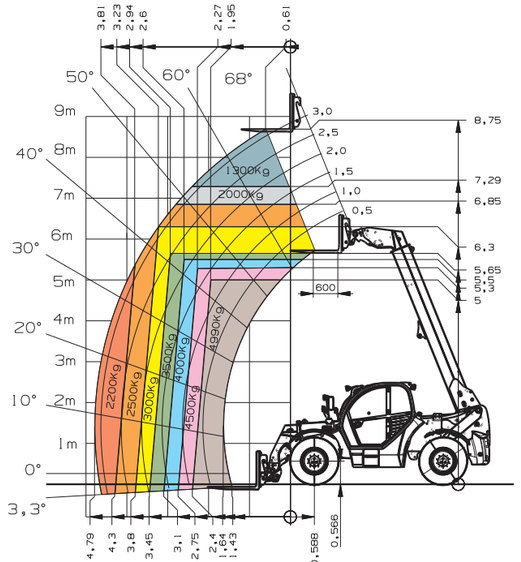


Load-bearing capacity diagrams

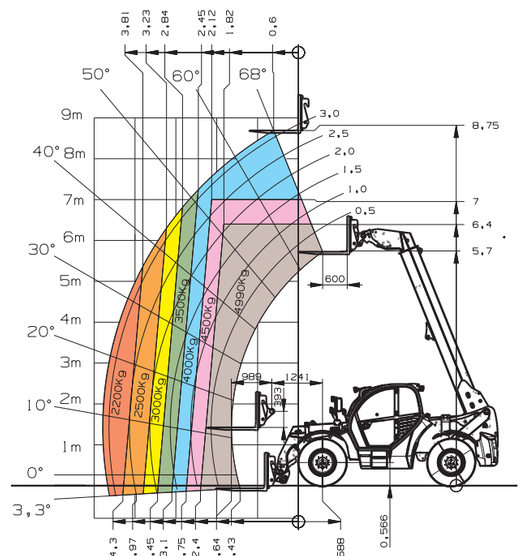
KT559 Load-bearing capacity diagram (with LSP 600 mm)
with hydraulic level compensation and with oscillating axle lock



KT559 Load-bearing capacity diagram
(with LSP 600 mm)
without hydraulic level compensation and without oscillating axle lock



KT559 Load-bearing capacity diagram
(with LSP 600 mm)
with oscillating axle lock



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Wheel loader
Tipping load: 1,000 - 6,100 kg

Telescopic wheel loader
Tipping load: 2,500 - 3,500 kg

Telehandler
Payload: 2,700 - 5,500 kg

Service that can be seen

Focus on your daily activities – with our comprehensive services, we take care of the rest. We are there when you need us: capable, fast, and directly on site if necessary.

Repair & maintenance

Academy

Telematics

Insurance

Spare parts

Finance

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