

RAISING YOUR STANDARDS

Kramer telehandlers up to 9.50 m stacking height
KT356/KT307/KT357/KT407/KT3610/KT457/KT557/KT559



KRAMER
on the safe side



Telehandlers for professional agriculture

Available from your Kramer dealer

From bale stacking to silage handling and manure removal to grain and fertiliser loading, there are a multitude of goods that are moved daily in agriculture – You too can use Kramer telehandlers for the versatile tasks on your farm. Numerous intelligent assistance systems and useful additional equipment make the telehandlers the key machine for the toughest jobs.



Operating and power ratings for
TELEHANDLERS

	KT356	KT307	KT357	KT407
Engine output [kW]	100	100	100	100
Stacking height [mm]	6,150	7,000	7,000	7,000
Payload on pallet forks S=1.25 [kg]	3,500	3,000	3,500	4,000
Operating weight [kg]*	6,020 - 7,050	5,920 - 7,250	6,170 - 7,500	6,810 - 7,850

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

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. Kramer is also a safe choice as a company for customers and dealers because its experience and innovations ensure secure investments and security for the future. In short – you are always on the safe side with Kramer: **“Kramer – on the safe side!”**

➔ ON THE SAFE SIDE

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Operating and power ratings for
TELEHANDLERS

	KT3610	KT457	KT557	KT559
Engine output [kW]	100	100	115	115
Stacking height [mm]	9,500	7,017	7,017	8,750
Payload on pallet forks S=1.25 [kg]	3,600	4,500	5,500	5,500
Operating weight [kg]*	7,600 - 8,200	8,100 - 9,100	9,500 - 10,500	10,500 - 11,500

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 KT457, 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 quick change plate for hard agricultural work have been optimised.



The characteristics at a glance

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 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.



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.

Flexibility in use

The right steering type for each and every application

For maximum flexibility in a wide range of applications, the four steering modes all-wheel-, front wheel-, crab- and manual crab steering are already included as standard in the machines. No matter whether manoeuvring in the smallest space, driving at speed on the road or guiding special attachments, the appropriate steering type can be selected for each and every application.

All-wheel steering

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

Front wheel steering

- Safe and familiar road travel at high speed
- Familiar steering system
- Ideal for trailer operation

Crab steering

- Manoeuvrability in the smallest space
- Precise positioning in the tightest conditions
- Easily move away from walls and trenches

Manual crab steering

- Easy guidance of special attachments
- Ground protection for sensitive subbase



All-wheel steering for maximum manoeuvrability

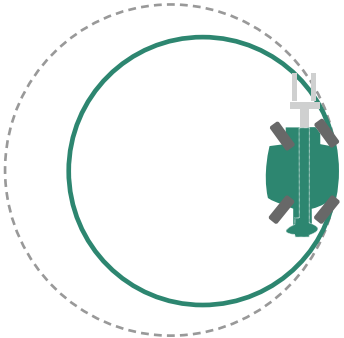
Compact dimensions ensure unbeatable manoeuvrability

360° turning manoeuvres

The telehandlers are extremely manoeuvrable with a turning radius from 3,840 mm (outer edge tyres) and from 5,000 mm (outer edge attachment). It achieves this high level of manoeuvrability, above all due to its great steering angle of 38° on the front and rear axle, in combination with the compact machine design. As a result, optimised routes and, above all, fast work cycles are now also possible in very tight spaces.

Turning circle outer edge tyres

Turning circle outer edge attachment



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 2 000 rpm. For the models with the ecospeedPRO, it can even be reduced to up to 1 550 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 protection 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.



The three functional modes explained



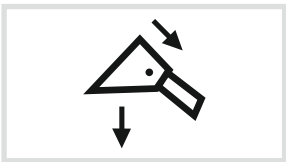
When lowering the loader unit, the telescopic arm is automatically retracted slowly. This keeps the load as close to the vehicle as possible and it does not create critical situations, even with maximum payloads. The bucket mode is ideal for loading bulk materials.



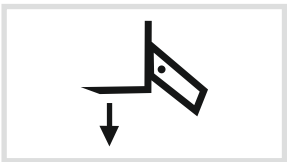
When lifting and lowering the loader unit, the attachment is moved up and down in a vertical line, i.e. the telescopic arm automatically moves in and out and the load is moved up or down in a straight line. Thus, the cargo always remains in the safe range and stacking work at high altitudes is simplified.

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 push-button must be pressed continuously.



Bucket mode



Stacking mode



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.



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 KT356 to the KT3610, the joystick is attached to the cab console. For the models of performance class KT457 to KT559, the joystick is affixed directly to the operator's seat.

Powerful telescopic arm

Made for the harshest applications

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 KT457 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 and the optional load stabiliser ensures maximum operational comfort.

The KT3610 presents a special feature with its double telescopic extension arm. With compact vehicle dimensions, it enables an even greater lift height and transmission range. The inner and outer telescopic extension arms operate synchronously in and out with the telescoping action. As a result it is possible to ensure simultaneous and smooth movements throughout the extension. The even covering of elements leads to the lift arm’s maximum stability.

Lateral guidance of the loader unit



- lateral guidance of the telescopic arm during pushing work (for models KT457 - KT559)
- easy replacement or adjustment of the sliding elements
- closed frame structure

Frame reinforcement at the main bearing



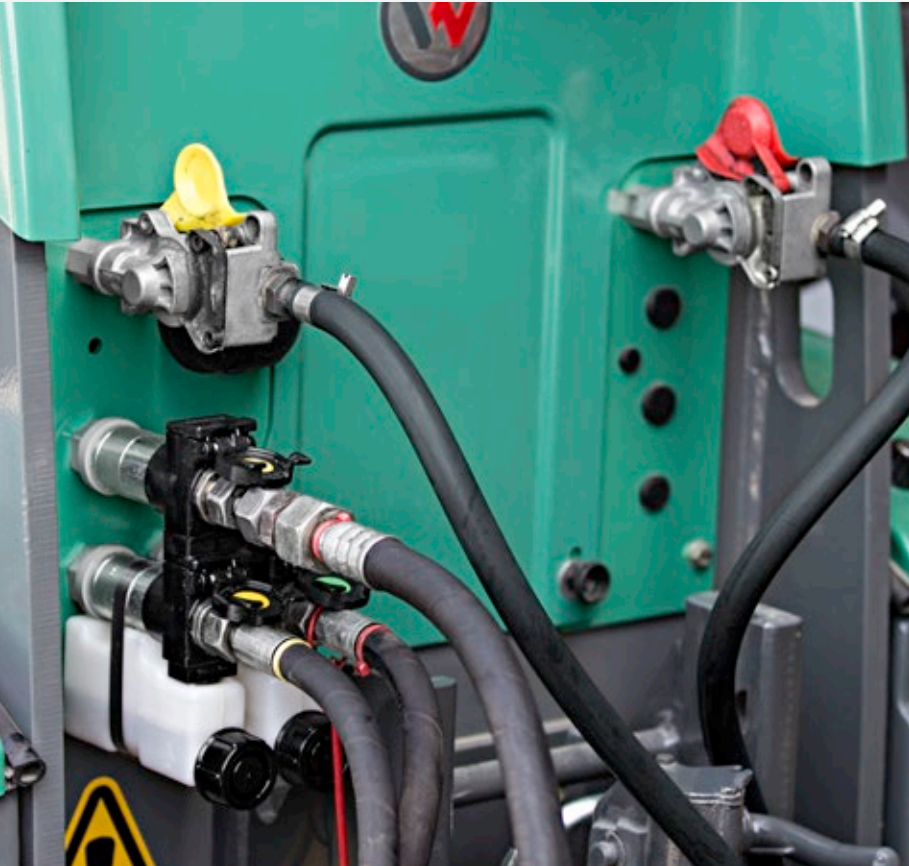
- large-scale introduction of torsional forces in the entire frame
- big main bolts and main bearing diameter for maximum sturdiness

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!



Storage compartment in the rear weights for KT457 - KT559

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 models of the all-round class KT356 to KT3610 are equipped with a sturdy hydrostat as standard, which can be used to reach a maximum speeds of up to 30 km/h.

The telehandlers KT356, KT357, KT407 and KT3610 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 class KT457 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 are also available with a 30 km/h gear ratio, which increases the pushing power again by up to 25%.

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

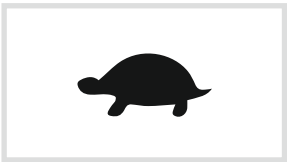


Three freely selectable speed levels

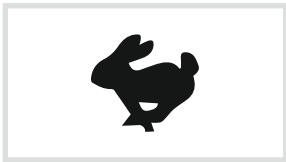
The speed levels can be easily changed while driving. The change is done conveniently via two touch controls on the joystick and is immediately shown on the 7-inch display with the corresponding symbol (see below). In addition to the three speed levels, a low-speed control with electronically controlled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



Snail: 0 - 7 km/h



Turtle: 0 - 15 km/h

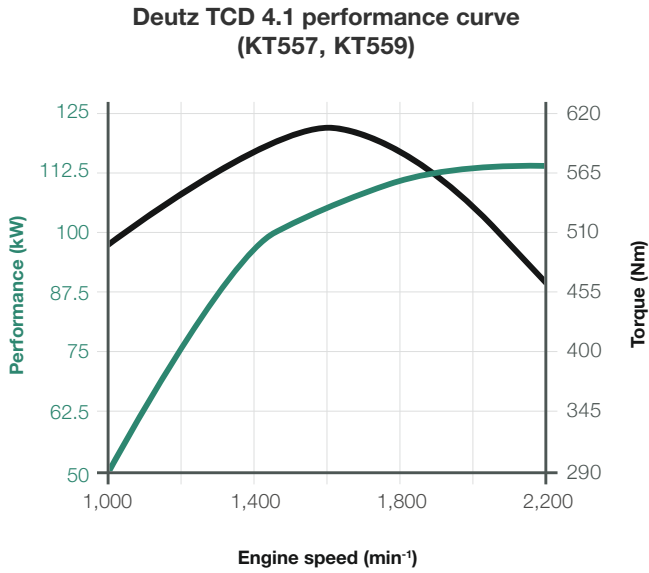
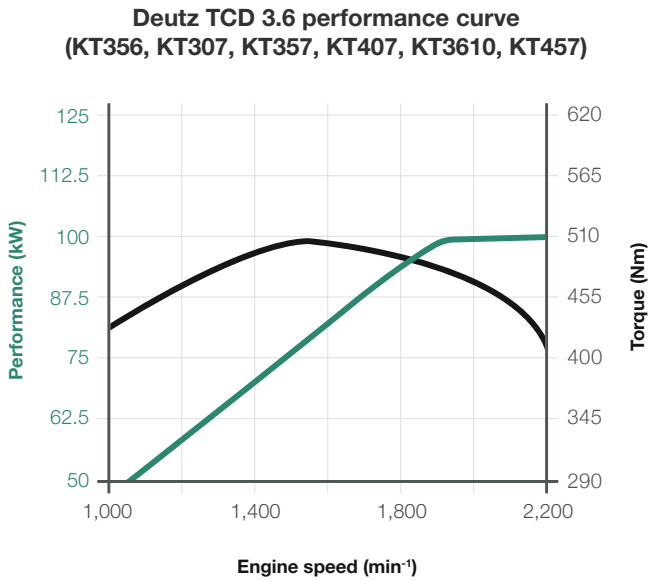


Hare: 0 - 40 km/h
 (0 - 30 / 0 - 20 km/h)

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 models from the KT356 to KT457 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.

All Kramer machine fulfil the current exhaust emission stage V. Depending on the model and engine output, the exhaust after-treatment is executed via various systems. The Deutz TCD 3.6 and the Deutz TCD 4.1 are installed with the DOC, DPF and SCR as standard.



Just make the right choice

Discover the Kramer product range of telehandlers

The all-rounder for the most versatile use (KT356, KT307, KT357, KT407, KT3610)

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 (KT457, KT557, 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.



Original Kramer attachments make your machine an all-rounder machine

In combination with the appropriate attachment, you can achieve maximum productivity with your machine. With a Kramer attachment, you can be sure that you can use our wheel loaders full performance, because:

- The vehicle and attachment are perfectly attuned to one another
- Everything comes from one place, therefore all the necessary approvals and registrations are available
- With the well thought-out design with many technical details, the attachments are sturdy and long-lived

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 DAB+ and 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.



Flat engine cover ensures optimum visibility to the right.

Technical highlights

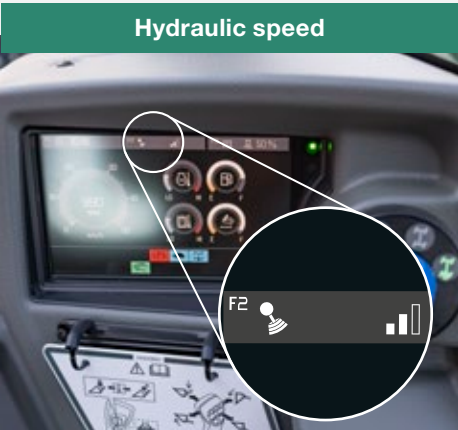
Simple operation – Innovative cabin design



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. The optional rear-view camera provides improved visibility out the back.



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.



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.



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.



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 lit up, so you are always able to use the right switch even in the dark.

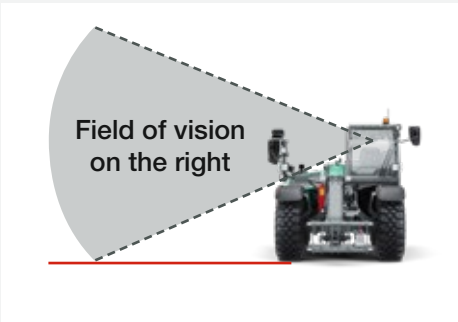


Everything always in view: all Kramer telehandlers have a continuous front window without annoying cross braces. The window has been pulled up and down as far as possible so that the operator can see the lock pins immediately when changing attachments and still has the attachment in the line-of-sight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

Engine cover design for the vision

Unrestricted view to the right side

All models with the Deutz TCD 3.6 engine have a sloping engine cover, which offers a perfect view to the right side. The low-slung engine cover design, especially to the right rear, gives a good view of the right rear wheel and mudguard. The larger field of vision makes the machine even easier to manoeuvre and minimises the risk of overseeing something.



Flat designed engine cover
for the models KT356, KT307, KT357, KT407, KT3610 und KT457



Two cabin heights

There is a choice of two cabin heights for the KT356, KT307, KT357, KT407 and KT3610 models. With a vehicle height of approx. 2.30 m, the standard cabin ensures maximum compactness of the vehicle. The FOPS screen is on the inside and the cabin can be reached with only one step tread.

The high cabin with approx. 2.50 m offers optimum all-round visibility due to the seat position and ensures maximum comfort. The FOPS screen is on the outside and tilted according to the driver's field of vision. The driver enters the cabin with two step treads.

100% differential lock

The optional 100% connectible differential lock offers you maximum traction, as well as pushing power and keeps the tyre wear low, even on difficult ground.



Machine highlights at a glance

All-rounder: KT356, KT307, KT357, KT407, KT3610

Driver assistance system Smart Handling
in combination with the overload protection,
offers maximum handling performance and productivity.

Load-sensing working hydraulics
ensures fast loading cycles of
up to 140 l/min (KT307 option).

Perfect all-round visibility
thanks to sloping engine cover design for
optimum visibility to the right.

Numerous rear options
These include various trailer couplings,
hydraulic circuits and a pneumatic or
hydraulic trailer brake
for towing loads up to 16,000 kg.

Optimum maintenance accessibility
through excellent arrangement of all daily maintenance points.
A hinged radiator package and consolidated
lubrication points provide convenient and quick access.

Powerful engines from Deutz
with an output of 100 kW (136 hp)
incl. DOC, DPF and SCR.

More efficiency
due to hydraulic quick-change system
and robust telescopic arm.

Maximum flexibility
with stacking heights from 6.15 m (KT356)
to 9.50 m (KT3610) there
is a model to suit everyone.

Modern cabin
with 7 inch display, all-in-one joystick
and colour-coded controls.

Two cabin heights
maximum compactness with a vehicle height
of approx. 2.30 m or the best all-round visibility
with a vehicle height of approx. 2.50 m.

Easy cabin entry
for comfortable entry and exit due to a recess
in the cabin floor and the step arrangement and
design ensure safe entry and exit of the machine.

Maximum traction in all conditions
due to different tyre variants with dimensions
up to 500/60-22.5 or 460/70R24 and
an optional 100% differential lock.

Four steering modes
All-wheel-, front wheel-, crab- and
manual crab steering support
maximum manoeuvrability and flexibility.

Machine highlights at a glance

Performance range: KT457, KT557, KT559



Strong telescopic arm
with additional, lateral guidance
of the arm in the vehicle frame and
sturdy four-point quickhitch
(pin diameter 50 mm).

Perfect view upwards
due to external FOPS screen
with laterally tilted bars.

Modern cabin
with ergonomically arranged controls
and a seat-mounted joystick.
In combination with the low noise level
the cabin makes for a pleasant working environment.

Easy cabin entry
for comfortable entry and exit due to a recess
in the cabin floor and the step arrangement and
design ensure safe entry and exit of the machine.

Four steering modes
All-wheel-, front wheel-, crab- and
manual crab steering support
maximum manoeuvrability and flexibility.

Made for the heaviest applications
with high lifting and tearout forces for
maximum payloads of up to 5.5 t.

Driver assistance system Smart Handling
in combination with the overload protection,
offers maximum handling performance and productivity.

Load-sensing working hydraulics
ensures fast loading cycles with up to 187 l/min.

Powerful engines from Deutz
with an output of 100 kW (136 hp) on the KT457
and 115 kW (156 hp) on the KT557 and KT559
incl. DOC, DPF and SCR.

Speed reduction as standard
with the continuously variable hydrostatic ecospeed or
ecospeedPRO travel drive and
a maximum speed of up to 40 km/h.

Large rear ballasts
with integrated storage compartments
lie within the contours of the vehicle and
ensure perfect weight distribution.

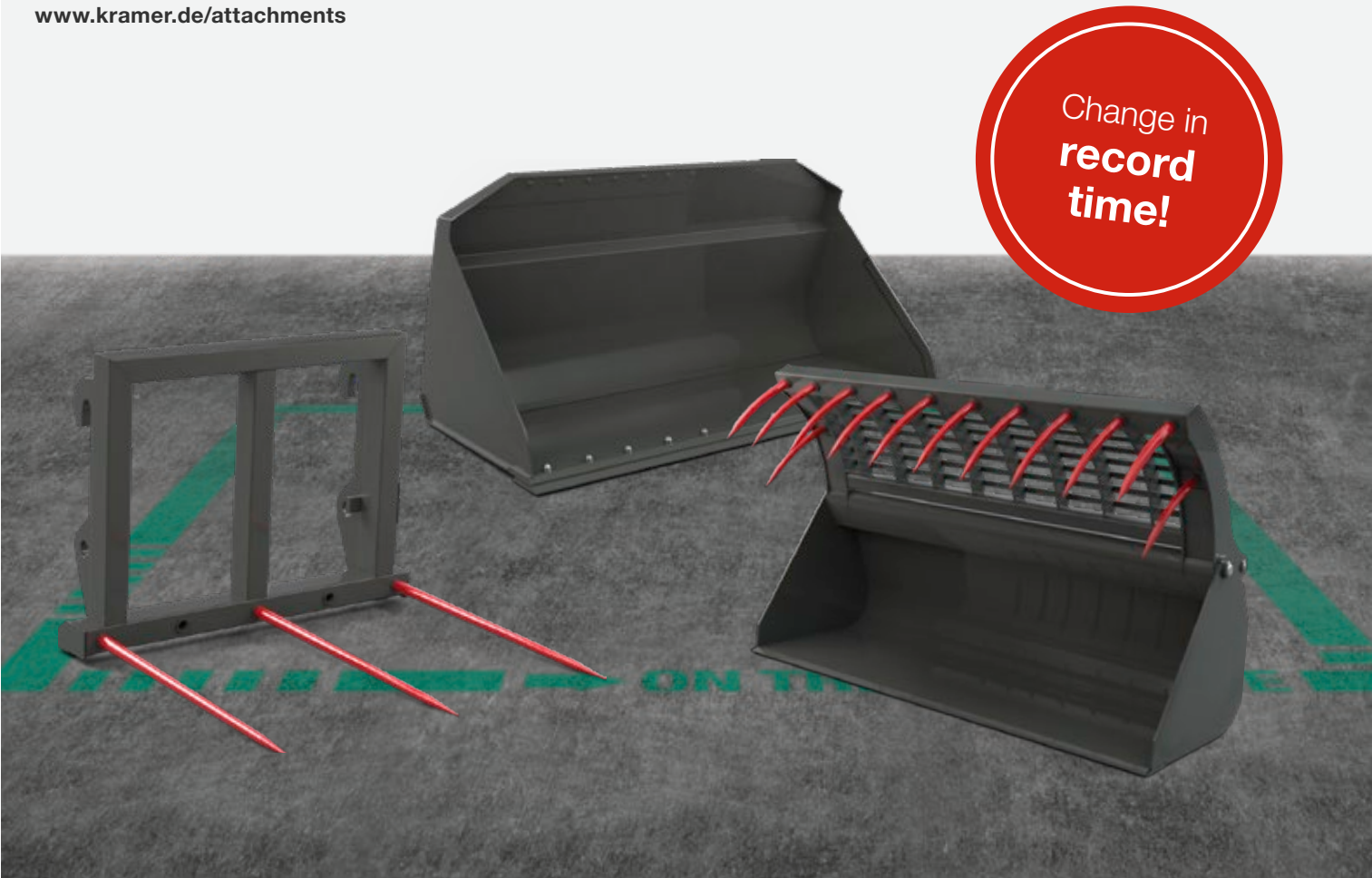
Maximum traction in all conditions
due to different tyre variants with dimensions
up to 600/55-26.5 and 100% differential lock
in the front axle as standard.

A variety of tasks





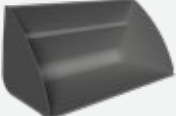









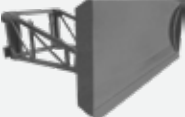

Always the right attachments

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.

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



Product range of attachments

			
Pallet fork	Pallet forks floating fork arms stored	Standard bucket with rip-out teeth	Standard bucket without rip-out teeth
			
Bulk material bucket	Multi-service bucket	Bale spear	Bale spike Fold-down
			
Bale grabber V40	Bale grabber W500	Bale grabber V7000	Round bale fork
			
Multifunctional fork	Silage bucket	Material slide	Jib crane

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



Hydraulic quick-change system (optional) - The Kramer quickhitch system: Approach the attachment, pick up the attachment hydraulically from the operator's seat and lock it using the scroll button on the joystick. The locking cylinder is located outside of the pivot point of the quick change plate and is therefore not in the contamination area.

Tyre product range



- very good traction on hard subbase
- excellent stability
- high wear resistance
- cutting and impact resistant

Multi-purpose profile



- high level of protection from impact and cutting damage
- high lift capacity
- excellent stability and improved operating comfort
- good traction
- high running performance

Multi-purpose profile



- good self-cleaning
- good track guiding
- high level of driving safety

Traction tread diagonal



- smooth running on the road
- very good self-cleaning
- optimal in muddy terrain and on loamy soils

Traction tread radial



- high level of ground protection
- good traction
- good self-cleaning
- low tyre inner pressure

Traction tread radial

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



EquipCare - Telematics

All the information in one 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?

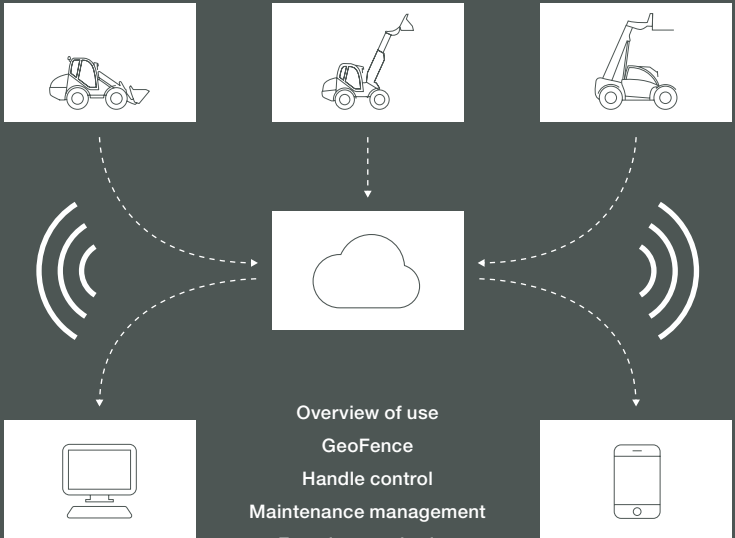
EquipCare is installed as standard on all Kramer vehicles. It contains a telematics module, which collects data from the machines and sends it to the manager or app via a cloud. Here, as the EquipCare user, you can view and assess the data.

The EquipCare Manager is the main portal for the telematics data of your vehicles and is controlled via the computer. The 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? This automatically reports the system to your local dealer and they can perform an initial remote diagnosis to prevent failure. 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!



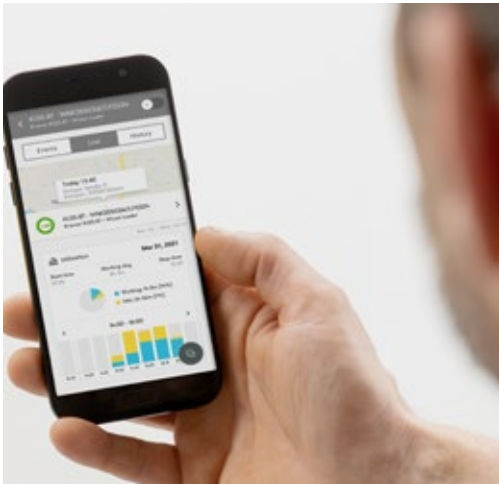
EQUIPCARE

The telematics portals are accessible 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

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 quick change 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 retraction with vibration function for faster load cycles
- Load stabiliser with autofunction

Powerful

- High torque and economical engines from Deutz
- 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 power ratings		Unit	KT356	KT307	KT357	KT407
Max. payload (LSP 500 mm)	kg		3,500	3,000	3,500	4,000
Max. stacking height	mm		6,150	7,000	7,000	7,000
Payload at max. stacking height	kg		3,000	2,000	2,200	2,400
Payload at max. coverage	kg		1,350	1,000	1,200	1,500
Stacking height at max. payload	mm		5,460	5,500	5,220	4,500
Reach at max. payload	mm		1,500	1,780	1,680	1,720
Max. reach	mm		3,280	3,760	3,760	3,760
Turning radius via tyres	mm		3,840	3,840	3,840	3,840
Operating weight	kg		6,020 - 7,050	5,920 - 7,250	6,170 - 7,500	6,810 - 7,850
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
Output	kW/hp		100 / 136	100 / 136	100 / 136	100 / 136
Max. torque	Nm		500	500	500	500
Displacement	cm³		3,621	3,621	3,621	3,621
Exhaust emission stage	–		Stage V	Stage V	Stage V	Stage V
Exhaust emissions after-treatment	–		DOC + DPF + SCR	DOC + DPF + SCR	DOC + DPF + SCR	DOC + DPF + SCR
Power transmission		Unit				
Drive	–		Hydrostat	Hydrostat	Hydrostat	Hydrostat
Max. speed	km/h		40 (option)	30	40 (option)	40 (option)
Total oscillating angle on the rear axle	°		20	20	20	20
Differential lock	–		100% at the front axle (option)			
Service brake	–		Foot-activated hydraulic disc brake			
Parking brake	–		Hand-operated mechanical disc brake			
Standard tyres (AS tread)	–		405 / 70-24	405 / 70-24	405 / 70-24	405 / 70-24
Work hydraulics		Unit				
Work pump (series)	–		Load-sensing axial piston pump	Gear pump with LUDV	Load-sensing axial piston pump	
Work pump (option)			-	Load-sensing axial piston pump	-	-
Max. flow rate (pump)	l/min		140	100 (series) / 140 (option)	140	140
Max. pressure	bar		260	260	260	260
Kinematics		Unit				
Bucket capacity	m³		1.0 - 2.0	1.0 - 2.0	1.0 - 2.0	1.0 - 2.0
Total swing angle of tool carrier	°		155	155	155	155
Lift cylinder raising/lowering	s		5 / 4	8 / 6	6 / 5	6 / 5
Extend/retract push-out cylinder	s		5 / 4	8 / 7	8 / 7	6 / 7
Tilt out/in tipping cylinder	s		3 / 3	4 / 4	3 / 3	3 / 3
Capacities		Unit				
Fuel tank	l		100	100	100	100
DEF tank	l		9.5	9.5	9.5	9.5
Hydraulic oil tank	l		100	100	100	100
Hydraulic system (total)	l		170	170	170	170
Noise emissions*		Unit				
Measured value	dB(A)		105	105	105	105
Guaranteed value	dB(A)		106	106	106	106
Noise level at the operator's ear	dB(A)		72	72	72	72
Vibrations**		Unit				
Vibration total value of the upper body extremity	–		< 2.5 m/s² (< 8.2 feet/s²)			
Highest effective value of weighted acceleration for the body	–		< 0.5 m/s² (< 1.64 feet/s²)*** < 1.28 m/s² (4.19 feet/s²)****			

* Information: The measurement occurs as per the requirements of the standard EN 1459 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 level and paved ground with appropriate driving style

**** Use in extraction under harsh environmental conditions

Technical Data

Operating and power ratings		Unit	KT3610	KT457	KT557	KT559
Max. payload (LSP 500 mm)	kg		3,600	4,500	5,500	5,500
Max. stacking height	mm		9,500	7,017	7,017	8,750
Payload at max. stacking height	kg		510 / 1,450**	3,300	4,000	1,300 / 5,500***
Payload at max. coverage	kg		400	1,500	2,000	2,200
Stacking height at max. payload	mm		4,600	5,100	5,500	6,400 / 8,750***
Reach at max. payload	mm		1,800	1,600	1,890	2,400
Max. reach	mm		6,500	3,790	3,900	4,790
Turning radius via tyres	mm		3,840	4,240	4,240	4,415
Operating weight	kg		7,600 - 8,200	8,100 - 9,100	9,500 - 10,500	10,500 - 11,500
Engine		Unit				
Make	–		Deutz	Deutz	Deutz	Deutz
Type/Model	–		TCD 3.6 / L4	TCD 3.6 / L4	TCD 4.1 / L4	TCD 4.1 / L4
Output	kW/hp		100 / 136	100 / 136	115 / 156	115 / 156
Max. torque	Nm		500	500	609	609
Displacement	cm³		3,621	3,621	4,038	4,038
Exhaust emission stage	–		Stage V	Stage V	Stage V	Stage V
Exhaust emissions after-treatment	–		DOC + DPF + SCR	DOC + DPF + SCR	DOC + DPF + SCR	DOC + DPF + SCR
Power transmission		Unit				
Drive	–		Hydrostat	ecospeed	ecospeedPRO	ecospeedPRO
Max. speed	km/h		40 (option)	40	40	40
Total oscillating angle on the rear axle	°		20	20	20	20
Differential lock	–		100% at the front axle (option)		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	460 / 70R24	460 / 70R24
Work hydraulics		Unit				
Work pump (series)	–		Load-sensing axial piston pump			
Work pump (option)			-	-	-	-
Max. flow rate (pump)	l/min		140	140 (series) / 187 (option)	187	187
Max. pressure	bar		260	260	260	260
Kinematics		Unit				
Bucket capacity	m³		1.0 - 2.0	1.2 - 3.0	1.2 - 4.0	1.2 - 4.0
Total swing angle of tool carrier	°		155	152	152	152
Lift cylinder raising/lowering	s		6 / 6	6.5 / 5	6.5 / 6	9.4 / 7.5
Extend/retract push-out cylinder	s		9 / 13	6 / 7	6 / 6	7.1 / 8.3
Tilt out/in tipping cylinder	s		3 / 3	3.5 / 3	3.5 / 3	4 / 3.4
Capacities		Unit				
Fuel tank	l		100	180	180	180
DEF tank	l		9.5	12	12	12
Hydraulic oil tank	l		100	100	100	100
Hydraulic system (total)	l		170	190	190	190
Noise emissions*		Unit				
Measured value	dB(A)		105	104	104	104
Guaranteed value	dB(A)		106	106	106	106
Noise level at the operator's ear	dB(A)		72	72	72	72
Vibrations****		Unit				
Vibration total value of the upper body extremity	–		< 2.5 m/s² (< 8.2 feet/s²)			
Highest effective value of weighted acceleration for the body	–		< 0.5 m/s² (< 1.64 feet/s²)***** < 1.28 m/s² (4.19 feet/s²)*****			

* Information: The measurement occurs as per the requirements of the standard EN 1459 and the directive 2000/14/EC. Measuring station: Paved surface.

** With mechanical oscillating axle interlock

*** With hydraulic level compensation

**** Uncertainties of measurement 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

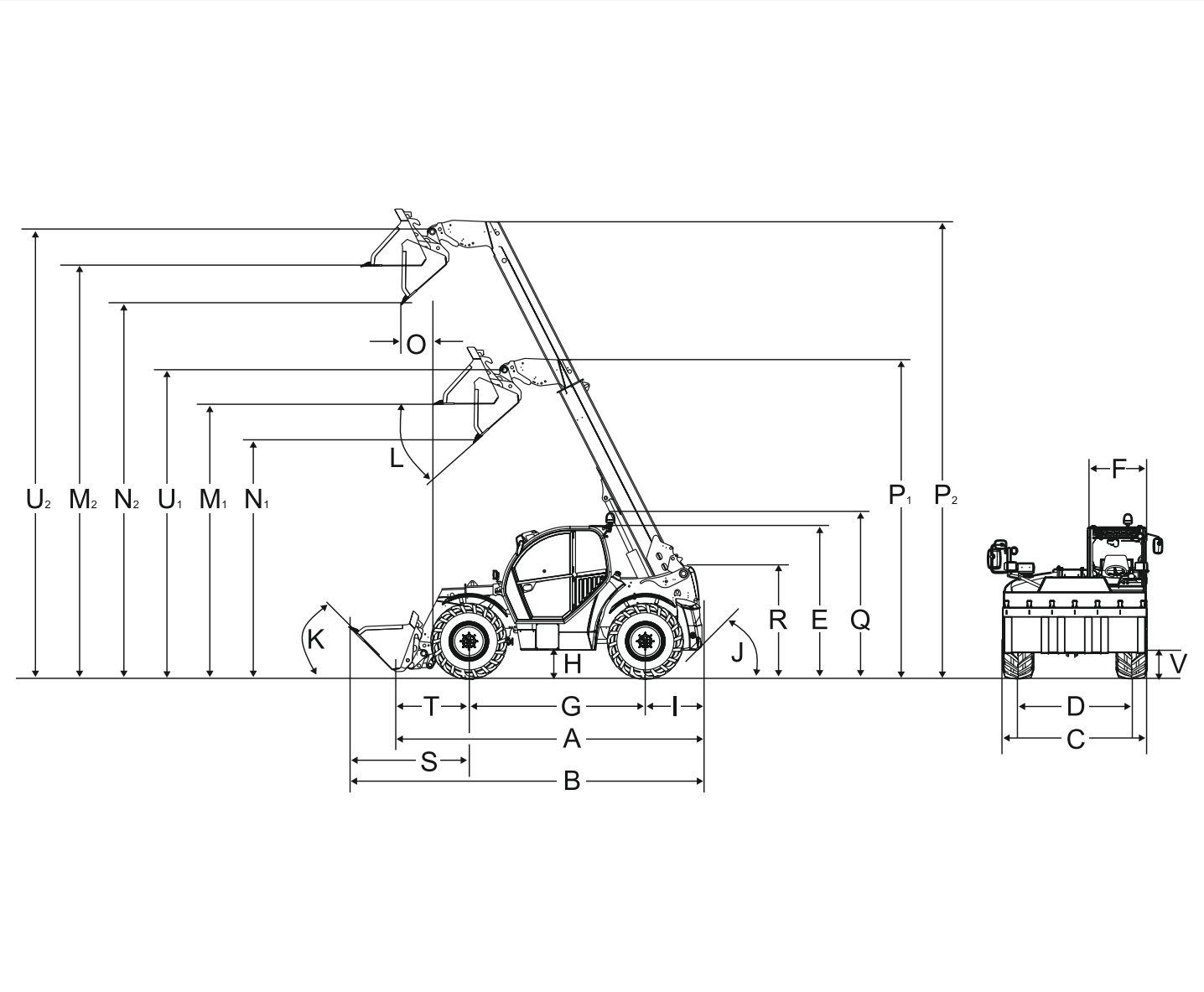
***** Use in extraction under harsh environmental conditions

Dimensions

Telehandlers up to 9.50 m stacking height						
Dimensions		Unit	KT356	KT307	KT357	KT407
A	Total length ^{1, 2, 3}	mm	4,580	4,880	4,880	4,880
B	Total length with bucket ⁴	mm	5,300	5,600	5,600	5,600
C	Total width without bucket ⁵	mm	2,285	2,285	2,285	2,285
D	Front/rear track ⁶	mm	1,880	1,880	1,880	1,880
E	Total height ⁷	mm	2,310 (series) 2,490 (option)	2,310 (series) 2,490 (option)	2,310 (series) 2,490 (option)	2,310 (series) 2,490 (option)
F	Cabin width	mm	990	990	990	990
G	Wheelbase, middle	mm	2,850	2,850	2,850	2,850
H	Ground clearance ⁷ below axle and transmission, fording depth	mm	415	415	415	415
I	Distance from centre of rear wheel to the tail ^{1, 2, 3}	mm	545	740	740	740
J	Rear actuation angle (departure angle) ⁸	°	60	60	60	60
K	Tipping angle ⁴	°	49	49	49	49
L	Dumping angle ⁴	°	41	41	41	41
M	Load over height ⁷	M1 retracted M2 extended	4,070	4,520	4,520	4,520
			5,970	6,820	6,820	6,820
N	Dumping height ⁷	N1 retracted N2 extended	3,580	4,030	4,030	4,030
			5,480	6,330	6,330	6,330
O	Dump reach	Extended	270	110	110	110
P	Tele extension length	P1 retracted	4,670	5,255	5,255	5,255
		P2 extended	6,570	7,820	7,820	7,820
Q	Total height with rotating beacon		2,540	2,540	2,540	2,540
R	Total height of the telescopic arm bearing in the frame ⁷		1,600	1,600	1,600	1,600
S	Distance from centre front wheel to blade leading edge		1,820	1,920	1,920	1,920
T	Distance from centre front wheel bearing to the quick coupler system seatings		1,100	1,200	1,200	1,200
U	Bucket pivot point ⁷	U1 retracted	4,585	5,035	5,035	5,035
		U2 extended	6,485	7,335	7,335	7,335
V	Transport position with attachment		250	250	250	250
-	Turning radius wheels, outside edge		3,840	3,840	3,840	3,840
-	Turning radius bucket, outside edge		4,900	5,000	5,000	5,000
-	Entry height ⁷ cabin floor		720	720	720	720

¹ with hitch coupling + 320 mm (KT356, KT307, KT357, KT457, KT557); + 154 mm (KT559)
² with height-adjustable ball hitch + 320 mm (KT356, KT307, KT357, KT457, KT557)
³ with fixed ball hitch + 200 mm (KT356, KT307, KT357, KT457, KT557)
⁴ with standard bucket
⁵ depending on the tyres, with mirrors folded in
⁶ - 60 mm at 460 / 70-24 (KT356, KT307, KT357); + 20 mm at 500 / 70R24; + 40 mm at 440 / 70R28; + 60 mm at 17.5-25 (KT457, KT557, KT559)
⁷ Machine dimensions may vary depending on the tyres
⁸ with ball hitch 32° (KT356, KT307, KT357)

Dimensions

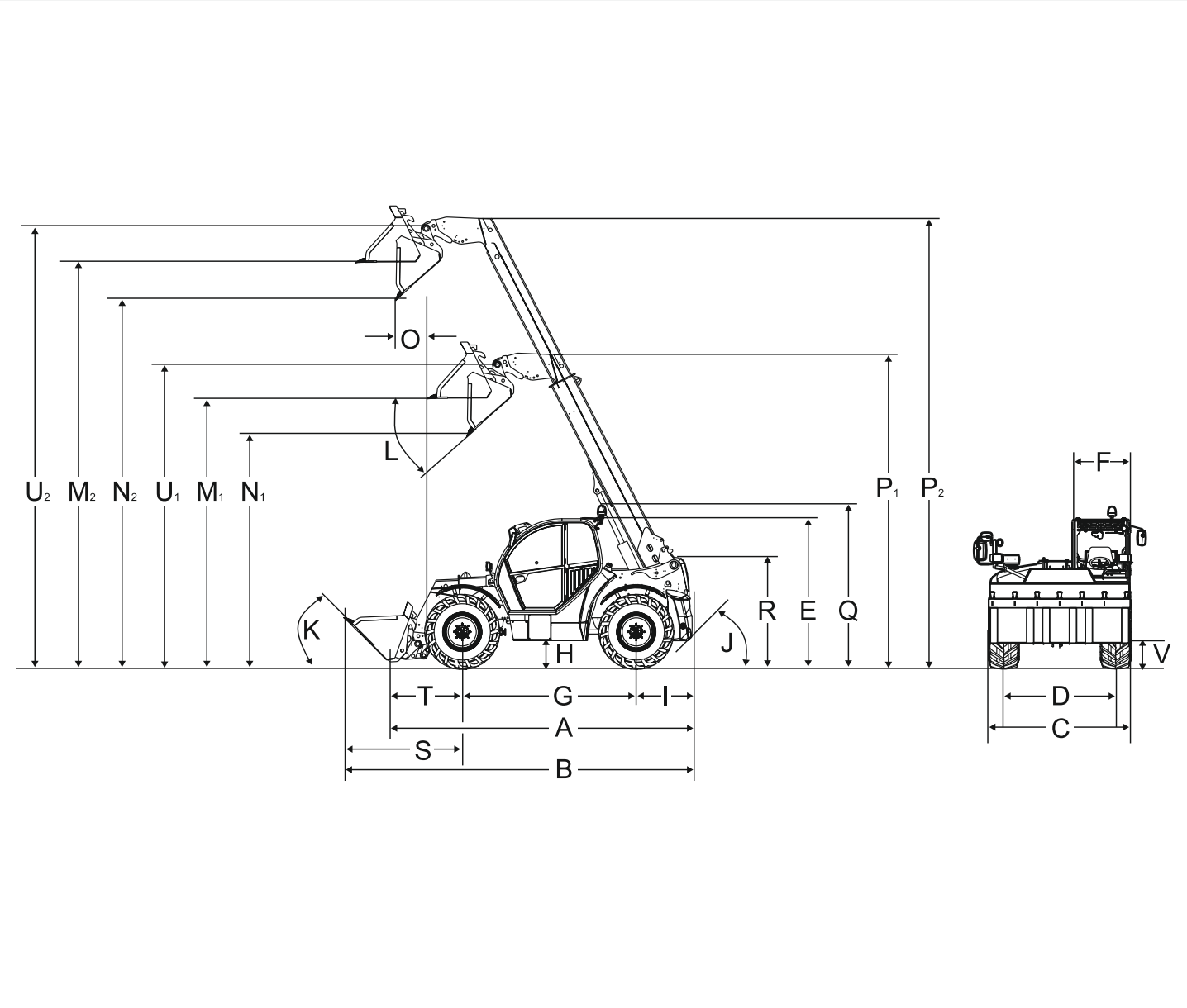


Dimensions

Telehandlers up to 9.50 m stacking height						
Dimensions		Unit	KT3610	KT457	KT557	KT559
A	Total length ^{1, 2, 3}	mm	5,030	4,985	4,985	5,600 - 5,890
B	Total length with bucket ⁴	mm	5,830	6,160	6,160	6,690
C	Total width without bucket ⁵	mm	2,285	2,500	2,500	2,500
D	Front/rear track ⁶	mm	1,880	1,995 - 2,065	1,995 - 2,065	1,995 - 2,065
E	Total height ⁷	mm	2,310 (series) 2,490 (option)	2,570	2,570	2,570
F	Cabin width	mm	990	990	990	990
G	Wheelbase, middle	mm	2,850	2,950	2,950	3,150
H	Ground clearance ⁷ below axle and transmission, fording depth	mm	415	418	418	412
I	Distance from centre of rear wheel to the tail ^{1, 2, 3}	mm	740	950 - 1,100	950 - 1,100	1,140
J	Rear actuation angle (departure angle) ⁸	°	60	35	35	32
K	Tipping angle ⁴	°	44	45	45	45
L	Dumping angle ⁴	°	45	41	41	41
M	Load over height ⁷ M1 retracted M2 extended	mm	4,700 9,330	4,518 6,835	4,518 6,835	5,545 8,498
N	Dumping height ⁷ N1 retracted N2 extended	mm	4,200 8,760	3,865 6,183	3,865 6,183	5,015 7,997
O	Dump reach Extended	mm	1,980	495	495	63
P	Tele extension P1 retracted P2 extended	mm	5,480 10,120	5,287 7,604	5,287 7,604	6,277 9,243
Q	Total height with rotating beacon	mm	2,540	2,740	2,740	2,740
R	Total height of the telescopic arm bearing in the frame ⁷	mm	1,600	1,761	1,761	1,935
S	Distance from centre front wheel to blade leading edge	mm	2,250	max. 2,260	max. 2,260	max. 2,400
T	Distance from centre front wheel bearing to the quick coupler system seatings	mm	1,440	753	753	1,310
U	Bucket pivot point ⁷ U1 retracted U2 extended	mm	5,300 10,000	5,092 7,409	5,092 7,409	6,116 9,083
V	Transport position with attachment	mm	250	250	250	250
-	Turning radius wheels, outside edge	mm	3,840	4,240	4,240	4,415
-	Turning radius bucket, outside edge	mm	5,025	5,265	5,265	5,650
-	Entry height ⁷ cabin floor	mm	720	975	975	975

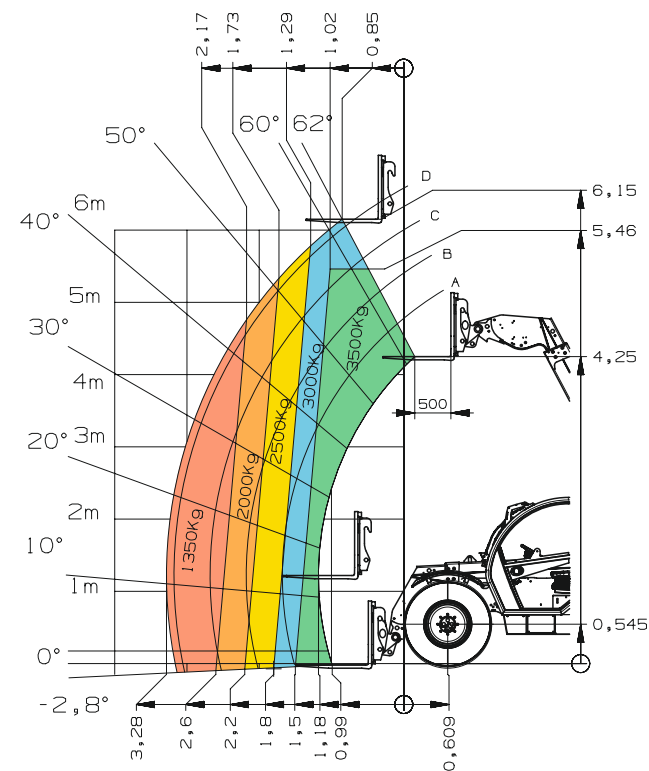
¹ with hitch coupling + 320 mm (KT356, KT307, KT357, KT457, KT557); + 154 mm (KT559)
² with height-adjustable ball hitch + 320 mm (KT356, KT307, KT357, KT457, KT557)
³ with fixed ball hitch + 200 mm (KT356, KT307, KT357, KT457, KT557)
⁴ with standard bucket
⁵ depending on the tyres, with mirrors folded in
⁶ - 60 mm at 460 / 70-24 (KT356, KT307, KT357); + 20 mm at 500 / 70R24; + 40 mm at 440 / 70R28; + 60 mm at 17.5-25 (KT457, KT557, KT559)
⁷ machine dimensions may vary depending on the tyres
⁸ with ball hitch 32° (KT356, KT307, KT357)

Dimensions



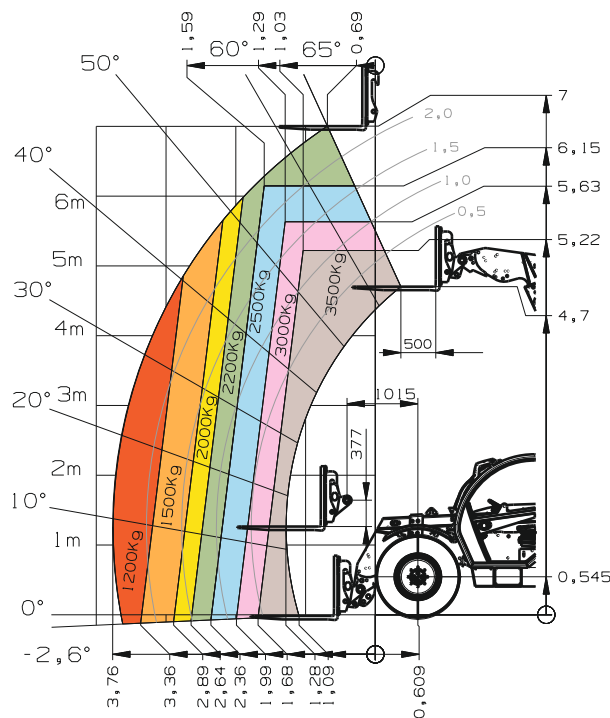
Load-bearing capacity diagrams

KT356 Load-bearing capacity (with LSP 500 mm)

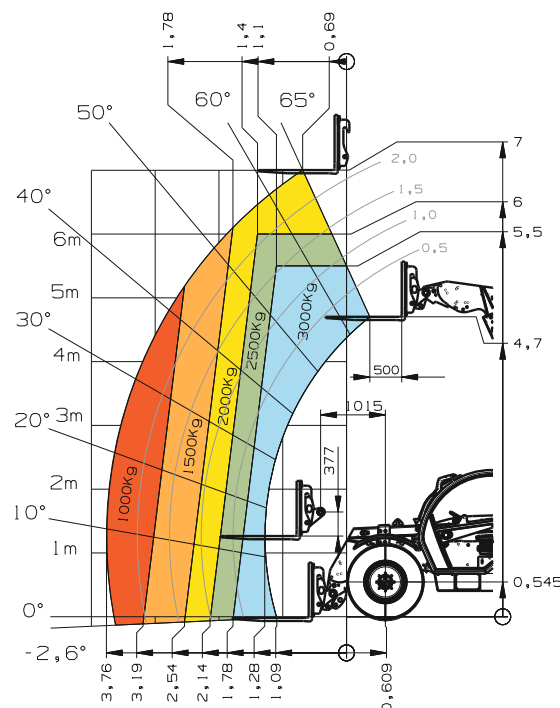


Load-bearing capacity diagrams

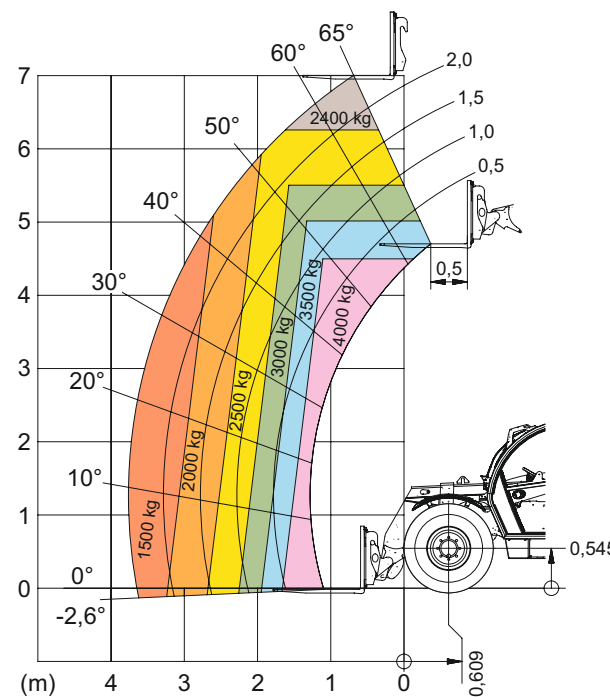
KT357 Load-bearing capacity (with LSP 500 mm)



KT307 Load-bearing capacity (with LSP 500 mm)

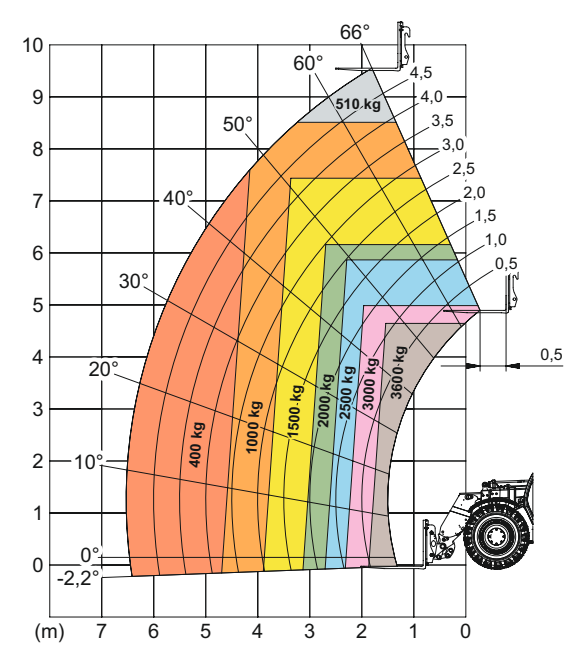


KT407 Load-bearing capacity (with LSP 500 mm)



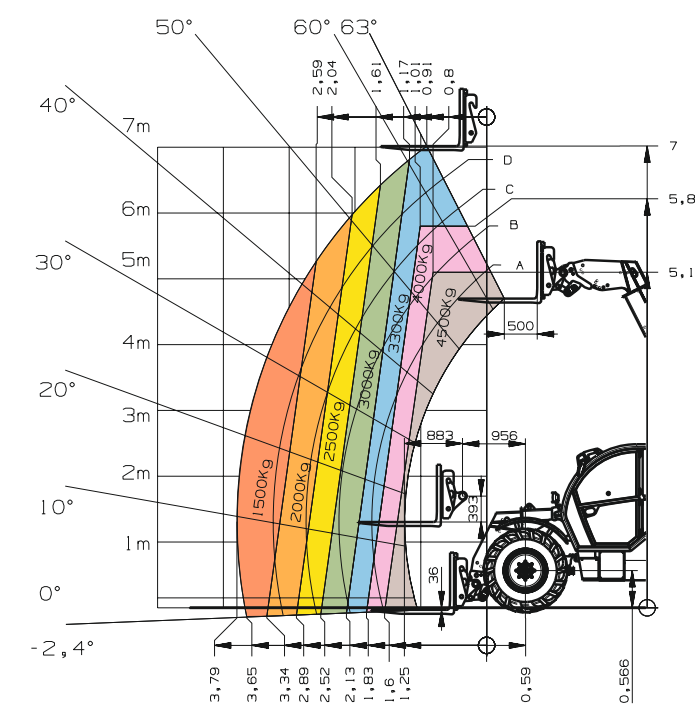
Load-bearing capacity diagrams

KT3610 Load-bearing capacity diagram (with LSP 500 mm) without oscillating axle interlock

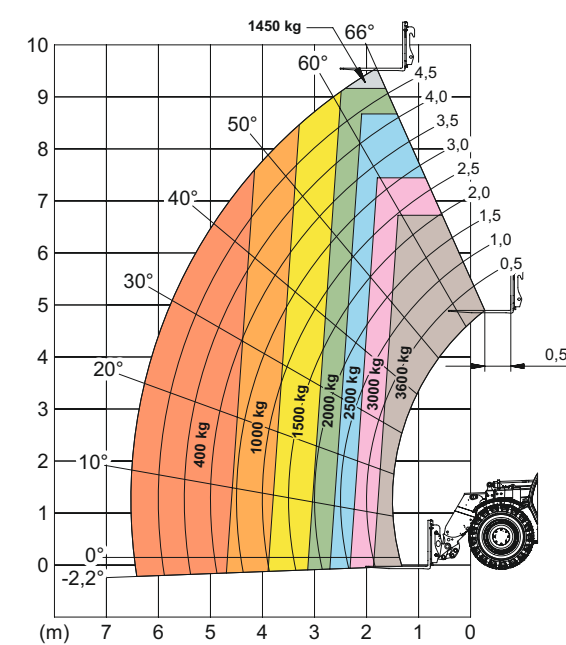


Load-bearing capacity diagrams

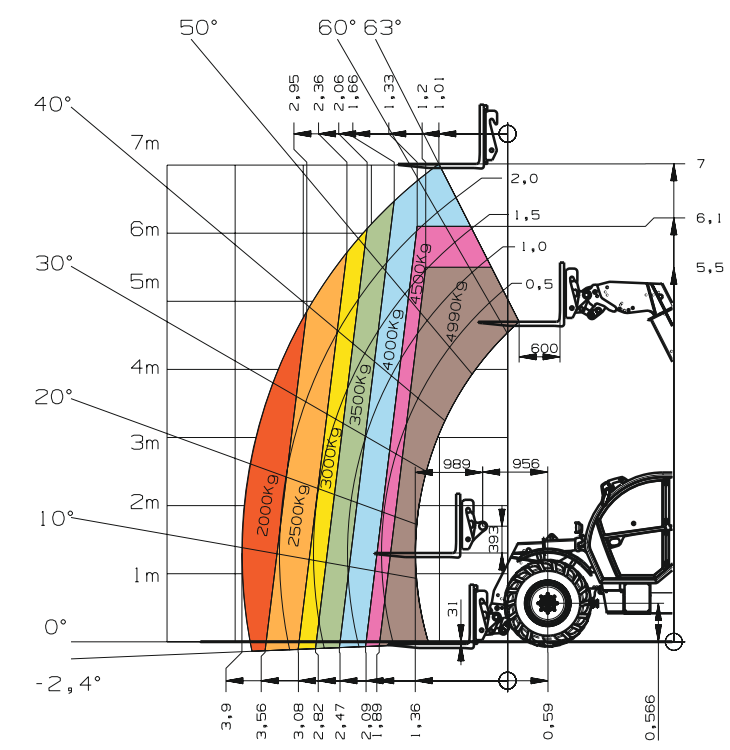
KT457 Load-bearing capacity (with LSP 500 mm)



KT3610 Load-bearing capacity diagram (with LSP 500 mm) with oscillating axle lock

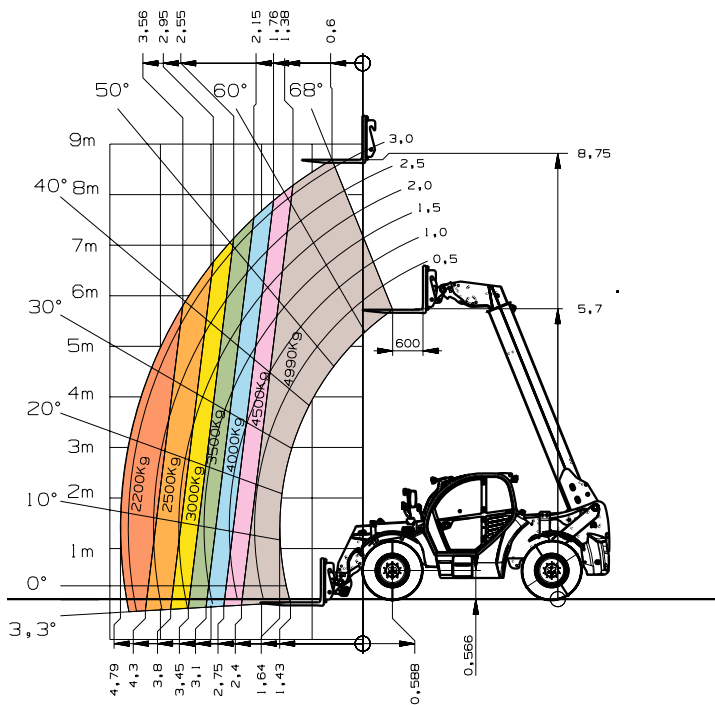


KT557 Load-bearing capacity (with LSP 600 mm)

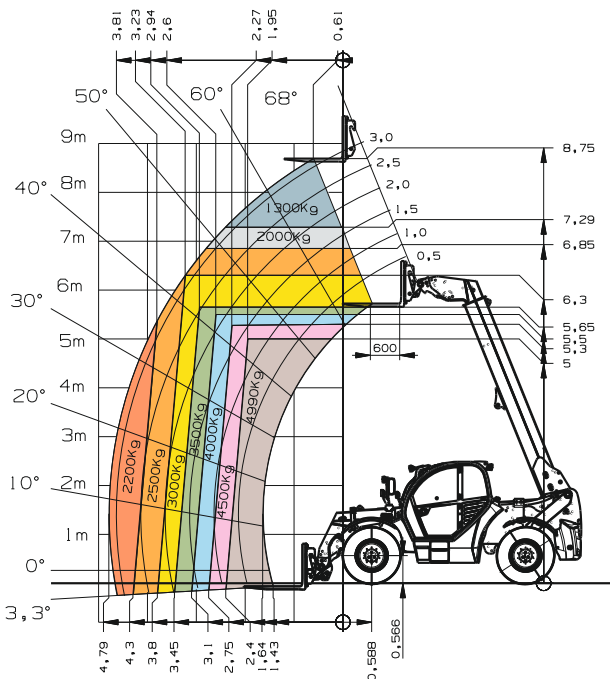


Load-bearing capacity diagrams

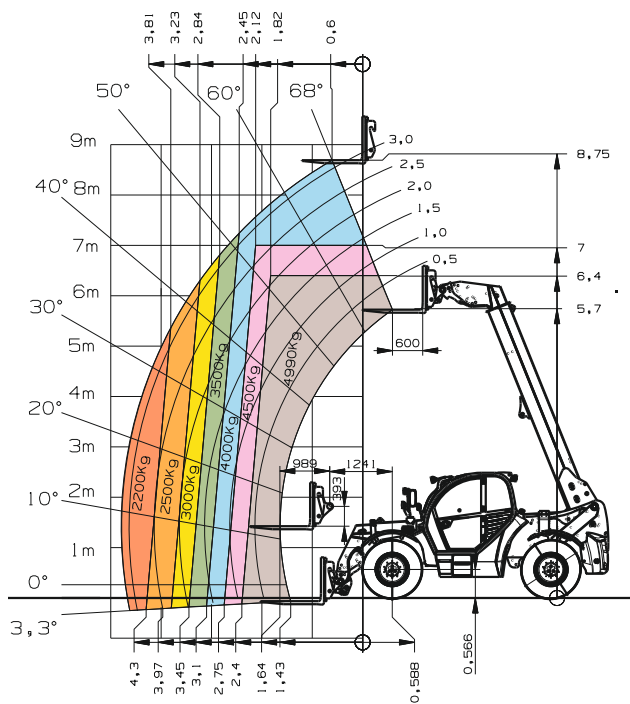
KT559 Load-bearing capacity diagram (with LSP 600 mm) with hydraulic level compensation and with oscillating axle lock



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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