GROUNDED TOP PERFORMER

The wheel loaders KL33.5/KL36.5/KL38.5

KRAMER

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and the standard





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More equipment, more power Discover the all wheel steer loaders in the 4 to 5-tonne class

The wheel loaders are suitable for working in small and large farms thanks to the combination of manoeuvrability and power. In addition to the engine version and the associated performance parameters, the standard equipment and the range of options were also designed for agricultural customer needs. The product offer is rounded off by safety, comfort and a variety of options as well as an attractive selection of attachments, which allow for application year-round.

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!"**

Table of contents

Vehicle structure

One-piece vehicle fram Advantages at a glance Types of steering

Machine highlight a glance Engines Drive

Hydraulics

Drive train and ty

Engines Drive system Tyres

Operating and performance

Engine output [kW] Bucket capacity [m³] Bucket tipping load [kg] Payload on pallet forks S=1.2 Operating weight [kg]

Operating and performan

Engine output [kW] Bucket capacity [m^s] Bucket tipping load [kg] Payload on pallet forks S=1. Operating weight [kg]



ON THE SAFE SIDE

16	22
res	Technical Data and Dimensions
ts at 12	Cabin concept Setup Equipment Operator's controls 14
e ee 04	Machine components and accessories Attachments, quick coupler system Hydraulics Loader units

nce data	KL <mark>33</mark> .5	KL <mark>36</mark> .5	KL <mark>38</mark> .5
	55.4	55.4	55.4
	0.75	0.85	0.85
	3,400	3,700	3,800
25 [kg]	2,000	2,250	2,350
	4,200	4,610	4,714

nce data	KL <mark>33</mark> .5L	KL <mark>36</mark> .5L	KL <mark>38</mark> .5L
	55.4	55.4	55.4
	0.75	0.85	0.85
	3,300	3,050	3,150
.25 [kg]	1,900	1,900	2,000
	4,290	4,693	4,800

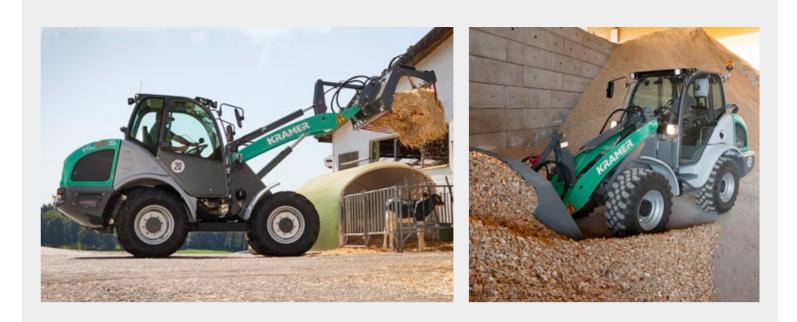
Why split what belongs together? Kramer – A unique system

The Kramer brand stands for all wheel steer loaders, telescopic wheel loaders and telehandlers with extreme manoeuvrability, all-terrain mobility and high efficiency. The wheel loaders impress with their high level of stability thanks to the time-tested and proven, one-piece vehicle frame.

Due to this special vehicle setup, there is no shifting of the centre of gravity through steering movements. Only the wheels move when steering due to the Ackermann steering. Thus, high stability is given even with a tight turning circle, on uneven ground conditions and with maximum payloads.







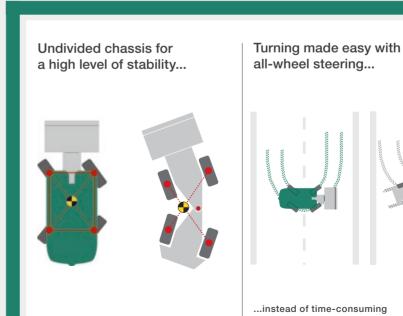
The benefits at a glance

High level of stability

The wheel loaders are designed with a onepiece chassis that prevents shifts in the centre of gravity -even with a full steering lock. This makes the vehicles with a high Some steering manoeuvres therefore level of stability convincing – even in uneven ground conditions.

Enormous manoeuvrability

The all-wheel steering and the steering angle of 40 degrees on the front and rear axle allow you a high degree of manoeuvrability. become unnecessary, resulting in shorter cycle times.

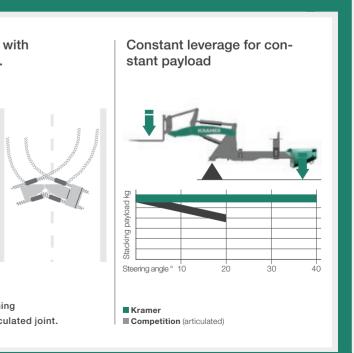


without a shift in the centre of gravity.

...instead of time-consuming manoeuvring with an articulated joint.

Constant payload

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



Flexibility in application The right type of steering system for any application

The undivided vehicle frame forms the basis for three different types of steering. A wheel loader's design principle decides how it is used and for which application areas. The steering system is the crucial factor here.



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All-wheel steering

- 2 x 40 degree steering angle on the front and rear axle ensure quick work processes
- Optimised Steering
- Tight turning circle

Front wheel steering (option)

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

Crab steering (optional)

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





Crab steering for precise positioning

Front axle steering for increased stability during quick transport trips

06

A variety of tasks Always the right attachments

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

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













the operator's seat and lock it using the touch slide on the joystick. The lock cylinder is located above of the pivot point of the quickhitch plate and is thus not in the contamination area.

Hydraulic quick-change system - The Kramer quickhitch system: approach the attachment, pick up the attachment hydraulically from

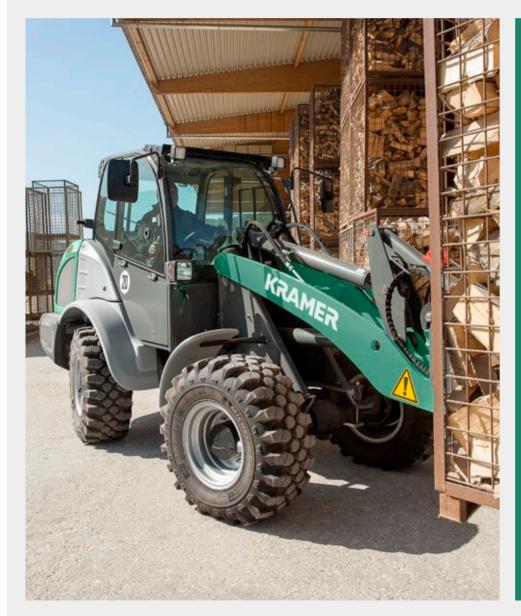
Powerful work hydraulics For precisely controlling the loader unit

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

The work hydraulics are powered by powerful gear pumps, which ensure quick work cycles of the loader unit and allow for the operation of special attachments via the 3rd control circuit, if necessary with continuous function.

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





Top performance of the work hydraulics:

- Convenient operation of attachments, with hydraulic functions, via the joystick
- Hydraulically operated quickhitch plate timetested and proven thousands of times with pressure relief for the 3rd control circuit
- Hydraulic oil cooler for the long-time application during power operation

Two loader units Work easily with large loads

Depending on requirements, two different loader units are available. The standard and optional extended loader unit are both parallel-guided and ensure a consistent lift capacity as well as a safe operation during materials handling. Kramer offers a hydraulic quickhitch headstock for this purpose with large bolts, which provide maximum load capacity. In addition, the automatic load stabiliser is optionally available. The load stabiliser dampens oscillations of the loader unit, providing optimal comfort for man and machine. The automatic function automatically switches on the load stabiliser after a speed of 15 km/h (transport operation) or automatically switches it off under 13 km/h (loading operation). In addition, it is possible to continuously enable or disable the load stabiliser for certain applications.

Standard loader unit (P-kinematics)



The parallel-guided loader unit ensures constant lift capacity and a safe operation in materials handling. Due to the 50° high tilt back angle and the tilt-out angle of 45°, the wheel loader does not lose any material in bucket application, even when it is very full, allowing for a complete emptying of the bucket.

- Precise and safe working possible
- Loads are automatically kept level when raising and lowering
- High tear-out forces
- Precise parallel guidance over the entire lift height



The load stabiliser dampens oscillations of the load stabilizer, providing for improved ride comfort and increased driving safety.



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

- Optimal view of the quickhitch facility and the attachment
- Increased lift height and more reach
- Extended loader unit is optionally available

Machine highlights at a glance Strong in every respect

The Kramer models shown are characterised by innovative technical equipment and powerful engines with exhaust emission level V. A load hook on the tilt rod as well as an integrated visual position indicator for the bucket and pallet forks complete the extensive standard equipment. See for yourself!

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

The standard loader unit with P kinematics combines high lifting and tearout forces with exact parallel guidance over the entire lifting range.

Unique steering system with three types of steering: All-wheel steering (standard), front axle and crab steering (option).

Large selection of tyre options for a wide range of application area

100

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

THE SAFE

Comfort cab

Hydraulic quickhitch facility with four connection points for

the perfect fit of the attachment.

Extended loader unit with P-kinematics offers more lift height with a simultaneously

perfect view of the attachment.

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with extensive glazing for superb all-round visibility and fatigue-free working.

Excellent performance values

with compact dimensions and low net weight.

Excellent traction thanks to 100% connectable differential ock in the front axle

Standard and optional equipment

Lubrication line for rear axle pivot (standard)



Central lubrication strip (option)

Visual position indicator (standard)

*Available starting Q1/2020

Powerful engines from Kohler with exhaust level V, high power delivery, low noise level and 4 years / 4,000 hours warranty.

> Variable drive system for sensitive work and high pushing powe ally up to 30 km/h

Comfortable working area Thought out down to the last detail

From the operator's seat to the steering wheel, every detail is consequently adjusted to the operator's needs. The result is maximum comfort, optimal ergonomics and functionality. In addition, the large glass surfaces always give the operator an unobstructed view of the attachment.

The cabin is equipped with a rear-view mirror, a tilt-adjustable steering column, rear window heating as well as four work lights for a better line-of-sight. With the ergonomically shaped joystick, you can also work fatigue-free on long days. Additional options, such as a two-stage entry as well as an air-sprung driver's seat with heated seat, complete the offering.



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



Very spacious and perfect visibility to all sides

Technical highlights

Simple operation - Innovative cabin design



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



The ergonomically shaped joystick is securely integrated into the armrest and allows for sensitive and precise machine control. The speed selection is right on the joystick to increase the level of convenience. This makes it possible to switch over between the two speeds faster.



The cabin can be accessed through the large entry area. A two-stage entry is optionally available to give the operator an even more comfortable entry.* In addition, the handles are in an ergonomically favourable position.

The compact and low design of the wheel loaders of less than 2.50 m allows for the ideal application of the machines in confined farm yards and stables. The machines have the best arrangements for low clearance heights thanks to their design.

*Available starting Q1/2020



The central seat position in combination with the large glass windows offer a 360° all-round visibility. The particularly clearlyarranged design and the seat position of the operator avoid "blind spots". You can even see everything to the rear. The elevated front window allows for a perfect view of the attachment, even when the loader unit is raised.





The extensive standard equipment includes, among other things, the tiltadjustable steering column, which is individually adjustable. In addition, the rear-view mirror and the four work lights offer an optimal line-of-sight. The vehicle can optionally be equipped with an air-sprung driver's seat with lumbar support and a heated seat.

Powerful engines Efficient and economical

You are well-prepared for strict exhaust standards with the engines of the Kramer wheel loaders. In addition to the modern exhaust technology, the engine also offers a high performance efficiency.

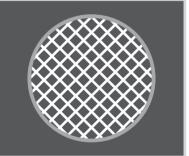
The installed 55.4 kW Kohler engine has a diesel oxidation catalytic converter (DOC) and diesel particulate filter (DPF) and meets emission level V. The engine offers full power despite the low rpm and offers a high torque rise. In addition, the manufacturer offers an engine warranty of 4 years or 4,000 hours.

Top performance of the engine:

- High-torque and economical engines from Kohler with exhaust emissions level V
- The latest exhaust aftertreatment with DOC + DPF
- 4 years / 4,000 hours warranty

Overview of engines	KL <mark>33</mark> .5	KL <mark>36</mark> .5	KL <mark>38</mark> .5
Engine manufacturer	Kohler	Kohler	Kohler
Output [kw/hp]	55.4/74	55.4/74	55.4/74
Exhaust aftertreatment system	DOC+DPF	DOC+DPF	DOC+DPF
Exhaust fumes level (EU exhaust fumes standard)	Stage V	Stage V	Stage V

Exhaust fume aftertreatment systems



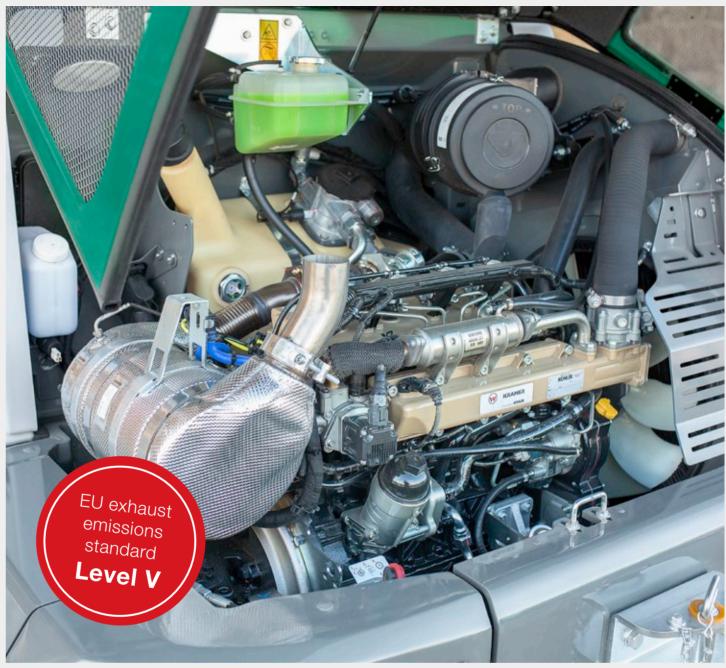
Diesel oxidation catalytic converter (DOC)

Catalytic converters are used these days to reduce emissions in many cars and lorries. The diesel oxidation catalytic converter has the same functionality. Without the movement of mechanical parts, it triggers chemical processes that reduce emissions.



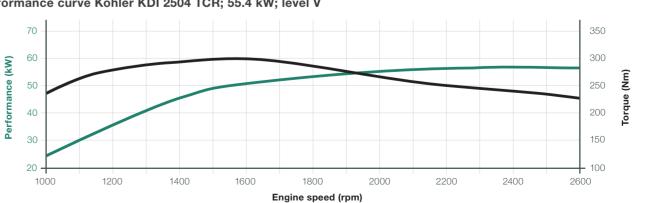
Diesel particle filter (DPF)

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



Optimal running smoothness: economical and powerful engines in all Kramer models.

Performance curve Kohler KDI 2504 TCR; 55.4 kW; level V



Variable power transmission Reduced fuel consumption

A powerful drive system plus sophisticated safety and comfort features – with this combination, the Kramer wheel loaders score both on the go as well as on the farm.

The infinitely variable axial piston transmission ensures powerful and stepless driving behaviour with a travel speed of 0-20 km/h. The variable power transmission allows for a sensitive control of the machine as well as positioning during machine handling. The wheel loaders are optionally equipped with a variable high speed of 0-30 km/h. You can travel from one site to the next faster with the high speed and save time.



Top performance of the drive system:

- Maximum pushing power and tractive force in all driving and working situations
- Smart Driving reduced fuel consumption
- Sensitive, electronicallyregulated drive system
- Constant Speed Drive
 (CSD) with memory function
- 100% connectable differential lock in the front axle for constant maximum traction



CSD - constant travel speed: supports compliance with the set speed, especially when running attachments where a consistent speed is required for the correct execution of the work process, such as: snowblower protection, rotary sweeper or mulcher.

Two freely selectable speed levels

The speed levels can be easily changed while driving. The change occurs conveniently through a switch on the joystick. The symbol is shown immediately in the central digital display.



Smart Driving - RPM reduction

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. The diesel engine speed can be reduced to up to 2,000 rpm depending on the selected speed version.



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

Available with

Hydrostat

(maximum speed 20 or 30 km/h)



Tyre product range



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



Top Performance

Extensive standard equipment	 Cab: Rear-view mirror joystick, four work light Visual position display Load hook on the tilt ro Lubrication line for per And much more
Variety of options	 Front wheel and crab s Cab: Air-sprung seat, o Central lubrication strip Tyres: Michelin 400/ 70 And much more
Work hydraulics	 Convenient operation of Time-tested and prove Hydraulic oil cooler for
Engine	 High-torque and econd The latest exhaust afte 4 years / 4,000 hours of
Drive	 Maximum pushing pov Smart Driving - reduce Sensitive electronically Constant Speed Drive 100% connectable diff
	standard equipment Variety of options Work hydraulics Engine

- for the cabin, tilt-adjustable steering column, s, rear heated window
- for bucket and pallet forks

- anopy version with heated rear window
- R18 Bibload, Michelin 340/80 R18 XMCL Traction tread
- hydraulic quickhitch plate with pressure release in the 3rd control circuit
- the long-time application during power operation
- nomical engines from Kohler with exhaust emissions level V
- ertreatment with DOC + DPF
- wer and tractive force in all driving and working situations
- -controlled drive system

Technical Data

Engine	Unit	KL33.5	KL36.5	KL38.5				
Make	-	Kohler	Kohler					
Type/Model	-	KDI 2504 TCR	KDI 2504 TCR	KDI 2504 TCR				
Output	kW	55.4	55.4	55.4				
Max. torque	Nm at rpm	300 at 1,500	300 at 1,500	300 at 1,500				
Displacement	cm ³	2,482	2,482	2,482				
Exhaust emission stage	-	EU level V	EU level V	EU level V				
Power transmission	Unit							
Drive	-	continu	uously variable hydrostatic axial-piston	gearbox				
Travel speed	km/h	20 (series) 30 (option)	20 (series) 30 (option)	20 (series) 30 (option)				
Axles	-		Planetary steering axles					
Total oscillation angle	0	22	22	22				
Differential lock	%	100% VA	100% VA 100% VA					
Service brake	-		Hydraulic disc brake					
Parking brake	-		mechanical disc brake					
Standard tyres	-	340/80-18 (12.5-18)	340/80-20 (12.5-20)	340/80-20 (12.5-20)				
Steering and work hydraulics	Unit							
Steering system functionality	-	Hydrostatic a Front	all-wheel steering with emergency steer drum steering (option), crab steering (ring properties option)				
Functioning of work hydraulics	-		Gear pump					
Steering pump	-		Gear pump via priority valve					
Steering cylinder	-		One steering cylinder per axle					
Steering lock max.	0	2 x 40	2 x 40	2 x 40				
Work pump	cm ³ /rev	32	32	32				
Max. flow rate of pump	l/min	68.4	68.4	68.4				
Max. flow rate of pump optional	l/min	-						
Max. pressure	bar	240	240	240				
Quickhitch system	-		Kramer					
Pilot operation	-		Mechanical					
Pilot control of 3rd control circuit	-		proportional					

Technical Data

Kinematics	Unit	KL33.5	KL36.5	KL38.5			
Design system	-	P-kinematics	P-kinematics	P-kinematics			
Lifting force calculation as per ISO 14397-2 mechanical/hydraulic	kN	30.1/33.8	35.4/42.9	34.8/42.8			
Tearout force calculation as per ISO 14397-2	kN	30.5	42.7	41.1			
Lift cylinder raising/lowering	s	4.2/2.5	6.0/4.0	6.0/4.0			
Tilt in/tilt out tilt cylinder (upper position of the loader unit)	S	2.0/2.6	2.7/3.3	2.7/3.3			
Tilt-in / tilt-out angle	0	50/44	50/41	50/41			
Tipping load (standard bucket) required/actual	kg	2,700/3,400	3,060/3,700	3,420/3,800			
Tipping load (pallet forks)	kg	2,500	2,800	2,900			
Payload (standard bucket)	kg	1,350	1,530	1,710			
Capacities	Unit						
Fuel tank	I	75	75	75			
Hydraulic oil tank	I	50	50	50			
DEF tank	I	-	-	-			
Electrical system	Unit						
Operating voltage	V	12	12	12			
Battery / alternator	Ah/A	100/100	100/100	100/100			
Starter motor	kW	2.2	2.2	2.2			
Noise emissions*	Unit						
Measured value	dB(A)	99.9	99.9	99.9			
Guaranteed value	dB(A)	101	101	101			
Noise level at the operator's ear	dB(A)	78	78	78			
Vibrations**	Unit						
Vibration total value of the upper extremities of the body	m/s²		< 2.5 m/s ² (< 8.2 feet/s ²)				
Maximum weighted average effective value of acceleration for the body	m/s²	< 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 474 and the directive 2000/14/EC. Measuring station: Paved surface.
*** On flat and solid ground with the corresponding driving style

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

**** Application in extraction under harsh environmental conditions

Technical Data

KL33.5: Standard loader unit	Unit	Standard with rip-out teeth	Bulk material	Bulk material	Power grab bucket with rip-out teeth	Side pivot	High-tipping
			F	F		4	
Bucket	m ³	0.75	1.05	1.15	0.65	0.75	1.06
Material density	t/m³	1.80	1.40	1.20	1.80	1.60	1.20
Total length	mm	5,120	5,150	5,140	5,243	5,190	5,360
Bucket width	mm	1,850	2,050	2,150	1,750	1,844	1,850
Bucket swivel point	mm	3,100	3,100	3,100	3,100	3,100	3,100
Load-over height	mm	2,950	2,880	2,910	2,860	2,910	3,660
Dump height	mm	2,400	2,290	2,300	2,340	2,250	3,600
Dump reach	mm	700	710	750	640	930	1,110
Scraping depth	mm	50	130	90	120	50	50
Operating weight	kg	4,200	4,299	4,323	4,385	4,393	4,426

KL36.5: Standard loader unit	Unit	Standard with rip-out teeth	Bulk material	Bulk material	Power grab bucket with rip-out teeth	Side pivot	High-tipping
			F	F		A	
Bucket	m³	0.85	1.15	1.30	0.75	0.75	0.87
Material density	t/m³	1.80	1.40	1.20	1.80	1.80	1.60
Total length	mm	5,270	5,260	5,330	5,360	5,300	5,400
Bucket width	mm	1,950	2,150	2,150	1,850	1,844	1,850
Bucket swivel point	mm	3,350	3,350	3,350	3,350	3,350	3,350
Load-over height	mm	3,210	3,160	3,170	3,120	3,150	3,900
Dump height	mm	2,680	2,580	2,500	2,600	2,530	3,840
Dump reach	mm	580	630	710	530	820	860
Scraping depth	mm	50	75	75	110	80	35
Operating weight	kg	4,610	4,720	4,725	4,798	4,790	4,775

KL38.5: Standard loader unit	Unit	Standard with rip-out teeth	Bulk material	Bulk material	Power grab bucket with rip-out teeth	Side pivot	High-tipping
			F	F		A	
Bucket	m³	0.85	1.15	1.30	0.85	0.75	1.06
Material density	t/m³	1.80	1.40	1.20	1.80	1.80	1.40
Total length	mm	5,270	5,260	5,330	5,370	5,300	5,490
Bucket width	mm	1,950	2,150	2,150	1,950	1,844	1,850
Bucket swivel point	mm	3,350	3,350	3,350	3,350	3,350	3,350
Load-over height	mm	3,210	3,160	3,170	3,120	3,150	3,910
Dump height	mm	2,680	2,580	2,500	2,590	2,530	3,850
Dump reach	mm	580	630	710	540	820	960
Scraping depth	mm	50	75	75	110	80	35
Operating weight	kg	4,714	4,821	4,826	4,905	4,891	4,924

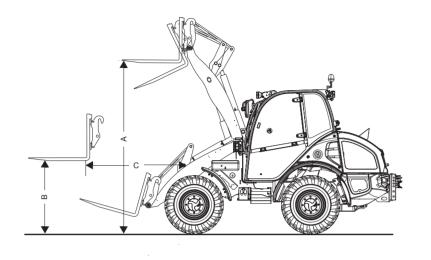
Technical Data

KL33.5L: Extended loader unit	Unit	Standard with rip-out teeth	Bulk material	Bulk material	Power grab bucket with rip-out teeth	Side pivot	High-tipping
				F		4	
Bucket	m ³	0.75	1.05	1.15	0.65	0.55	1.06
Material density	t/m³	1.80	1.20	1.20	1.80	1.80	1.00
Total length	mm	5,280	5,210	5,270	5,405	5,250	5,360
Bucket width	mm	1,850	2,050	2,150	1,750	1,750	1,850
Bucket swivel point	mm	3,250	3,250	3,250	3,250	3,250	3,250
Load-over height	mm	3,100	3,030	3,060	3,030	3,170	3,880
Dump height	mm	2,560	2,440	2,450	2,490	2,600	3,830
Dump reach	mm	680	700	740	630	800	890
Scraping depth	mm	70	130	94	130	70	60
Operating weight	kg	4,290	4,389	4,413	4,475	4,400	4,516

KL36.5L: Extended loader unit	Unit	Standard with rip-out teeth	Bulk material	Bulk material	Power grab bucket with rip-out teeth	Side pivot	High-tipping
			F	F		A	
Bucket	m ³	0.85	1.15	1.30	0.65	0.55	0.87
Material density	t/m³	1.60	1.00	1.00	1.80	1.80	1.20
Total length	mm	5,580	5,560	5,630	5,660	5,530	5,700
Bucket width	mm	1,950	2,150	2,150	1,750	1,750	1,850
Bucket swivel point	mm	3,499	3,499	3,499	3,499	3,499	3,499
Load-over height	mm	3,360	3,320	3,320	3,270	3,350	4,020
Dump height	mm	2,820	2,720	2,650	2,750	2,750	3,980
Dump reach	mm	790	840	920	740	970	1,090
Scraping depth	mm	50	90	90	120	50	35
Operating weight	kg	4,693	4,803	4,808	4,865	4,790	4,858

KL38.5L: Extended loader unit	Unit	Standard with rip-out teeth	Bulk material	Bulk material	Power grab bucket with rip-out teeth	Side pivot	High-tipping
			F	F		A	-
Bucket	m³	0.85	1.15	1.30	0.75	0.55	0.87
Material density	t/m³	1.60	1.20	1.00	1.60	1.80	1.20
Total length	mm	5,580	5,560	5,630	5,660	5,530	5,700
Bucket width	mm	1,950	2,150	2,150	1,850	1,750	1,850
Bucket swivel point	mm	3,499	3,499	3,499	3,499	3,499	3,499
Load-over height	mm	3,360	3,320	3,320	3,270	3,350	4,020
Dump height	mm	2,820	2,720	2,650	2,750	2,750	3,980
Dump reach	mm	790	840	920	740	970	1,090
Scraping depth	mm	50	90	90	110	50	35
Operating weight	kg	4,800	4,910	4,915	4,988	4,897	4,965

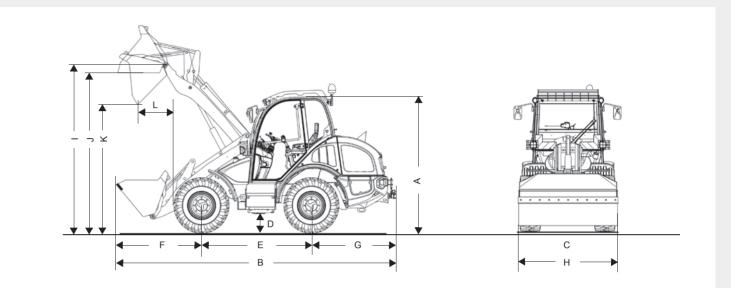
Dimensions



Pallet fork (load centre 500 mm)		Unit	KL33.5	KL36.5	KL38.5
				タ	
-	Width of the fork carriage	mm	1,200	1,200	1,200
-	Length of the fork tines	mm	1,000	1,000	1,000
-	Tipping load of pallet fork	kg	2,500	2,800	2,900
-	Stacking payload S=1.25	kg	2,000	2,250	2,350
-	Stacking payload S=1.67	kg	1,500	1,650	1,750
А	Stacking height	mm	2,840	3,150	3,150
В	Lift height, mast horizontal	mm	1,250	1,260	1,260
-	Scraping depth	mm	125	109	109
-	Ground reach	mm	690	770	770
С	Reach, mast horizontal	mm	1,090	1,170	1,170
-	Reach at max. height	mm	370	230	230

Pallet fork (load centre 500 mm)		Unit	KL33.5L	KL36.5L	KL38.5L
				H	
				~7	
-	Width of the fork carriage	mm	1,200	1,200	1,200
-	Length of the fork tines	mm	1,000	1,000	1,000
-	Tipping load of pallet fork	kg	2,375	2,400	2,500
-	Stacking payload S=1.25	kg	1,900	1,900	2,000
-	Stacking payload S=1.67	kg	1,400	1,400	1,450
Α	Stacking height	mm	2,990	3,240	3,290
В	Lift height, mast horizontal	mm	1,260	1,260	1,260
-	Scraping depth	mm	125	110	110
-	Ground reach	mm	810	1,090	1,090
С	Reach, mast horizontal	mm	1,200	1,430	1,430
-	Reach at max. height	mm	360	400	400

Dimensions



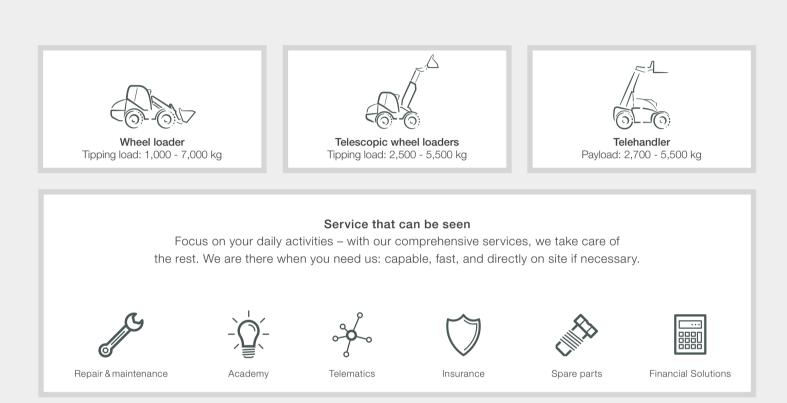
Standard equipment with standard bucket		Unit	KL33.5	KL36.5	KL38.5
А	Height	mm	2,450	2,480	2,480
В	Length*	mm	4490	4,640	4,640
С	Width*	mm	1,740	1,740	1,740
D	Ground clearance	mm	300	330	330
E	Wheel base	mm	2,020	2,020	2,020
F	Centre of front axle to tip of teeth	mm	1,730	1,860	1,860
G	Centre of rear axle to end of vehicle	mm	1,490	1,490	1,490
н	Bucket width	mm	1,850	1,950	1,950
1	Bucket swivel point	mm	3,100	3,350	3,350
J	Load-over height	mm	2,950	3,210	3,210
К	Dump height	mm	2,400	2,680	2,680
L	Dump reach	mm	700	580	580
-	Stacking height	mm	2,840	3,150	3,150
	Turning radius (via tyres)	mm	2,840	2,840	2,840

Standard	equipment with standard bucket	Unit	KL33.5L	KL36.5L	KL38.5L
А	Height	mm	2,450	2,480	2,480
В	Length*	mm	4,640	4,920	4,920
С	Width*	mm	1,740	1,740	1,740
D	Ground clearance	mm	300	330	330
E	Wheel base	mm	2,020	2,020	2,020
F	Centre of front axle to tip of teeth	mm	1,890	2,190	2,190
G	Centre of rear axle to end of vehicle	mm	1,490	1,490	1,490
н	Bucket width	mm	1,850	1,850	1,850
- I	Bucket swivel point	mm	3,250	3,499	3,499
J	Load-over height	mm	3,100	3,360	3,360
К	Dump height	mm	2,560	2,820	2,820
L	Dump reach	mm	680	790	790
-	Stacking height	mm	2,990	3,240	3,290
-	Turning radius (via tyres)	mm	2,840	2,840	2,840

* without attachment

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