



KRAMER
on the safe side

Wheel and Tele-Wheel Loaders
KL37.8, KL43.8, KL30.8T, KL35.8T



Power output redefined.

Wheel loaders and tele-wheel loaders of the 8-series.

KL37.8

Safe in every respect – Wheel loaders and tele wheeled loaders from Kramer.

All-wheel steering and an undivided chassis for outstanding stability at all times. Intelligent functions and a broad range of attachments for application year-round. A long service life and economic efficiency for even more investment security

Safety, comfort and a variety of options take priority at Kramer. They show up in every detail of our products. So you can fully rely on the Kramer wheel loaders and tele wheeled loaders of the 8-series. For every application.

Your success. Our benchmark.

Thought-out – from the start.

With products from Kramer, you are choosing a machine whose development focused on one thing: hard everyday work. From the start, we make sure that our products meet the requirements of our customers and those of the future alike. Challenging long-term tests with several thousand hours of operation ensure the highest quality and readiness for marketing of new machine generations.

Made in Germany – in demand world-wide.

Kramer-Werke based in Pfullendorf is one of the world's leading manufacturers of compact construction machines. The highest standards for materials, technology and quality are the guarantee of our powerful and durable products.



There for you – when you need us.

Benefit from our first-class all-round service: whether in the provision of original spare parts or professional diagnostics and maintenance. A comprehensive dealer network with trained service employees is available to you.

The wheel loaders of the 8-series



KL37.8

Tipping load: 3.750 kg



KL43.8

4.300 kg

The tele-wheel loaders of the 8-series



KL30.8T

Tipping load: 3,300 kg



KL35.8T

3,500 kg

Externally sturdy.
Internally intelligent.

Excellent performance values
with compact dimensions and
low net weight.

Powerful engines with
high power and low noise levels.

Variable drive system
– optionally up to 40 km/h
– for sensitive working and
maximum torque.

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

3 types of steering to meet every requirement.

Comfort cab with an entry on both sides as well as
extensive glazing for the best all-round visibility and
fatigue-free working.

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

More efficiency due to the
hydraulically activated quick-hitch
system and parallel guided loading
system with Z-kinematics for tele
wheeled loaders.

More reach and lift height due to a
telescoping loading system.

Flexible in application with a 3rd control circuit.
Optionally a 4th control circuit as well as Powerflow
hydraulics and attachments for the work platform.*

Efficient working thanks to the hydraulically
activated quick-hitch system, load stabiliser and
parallel guided loading system with P-kinematics for
wheel loaders.

High bucket apron, long bucket bottom as well as
a large tilt in and tilt back angle for a safe and quick
material transport.

Excellent traction thanks to 100%
connectable differential lock.

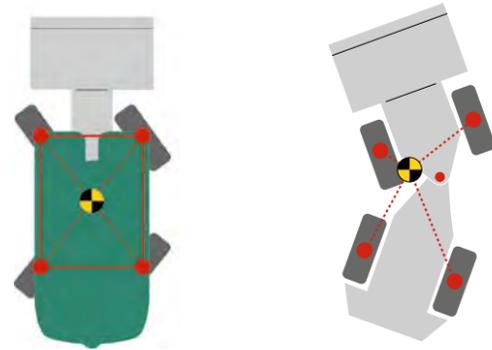


* The regulations and laws of the relevant countries and regions are to be met.

Extreme stability. Outstanding manoeuvrability.

Safe and efficient working – guaranteed in every situation by Kramer’s wheel and tele wheeled loaders.

Undivided chassis for a high level of stability ...

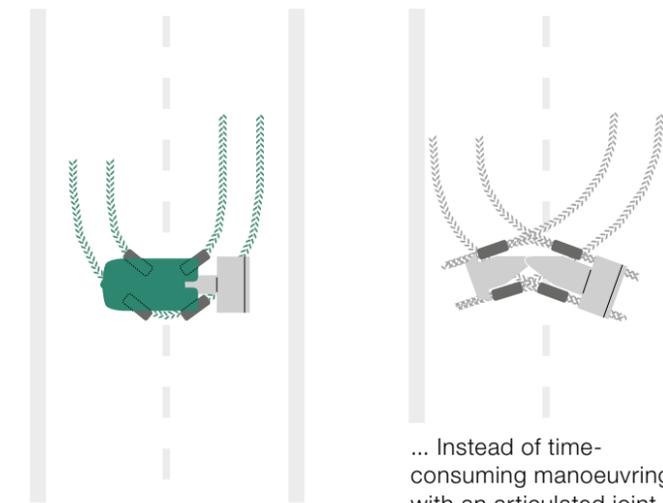


... without a shift in the centre of gravity, even when on full steering lock.

High level of stability

Our wheel loaders are designed with an undivided chassis that prevents shifts in the centre of gravity, even on full steering lock. This ensures a high level of stability, even when working on uneven ground.

Turning made easy with all-wheel steering ...



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

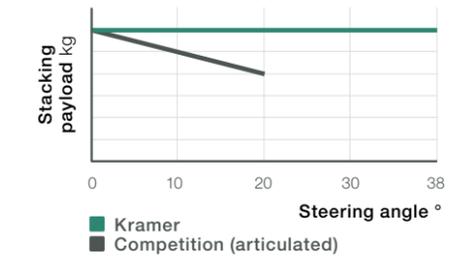
Outstanding manoeuvrability

The all-wheel steering and the steering lock of 40 degrees on each axle allow a high degree of manoeuvrability. This reduces the number of required movements and therefore shortens traversing and cycle times.

Constant leverage for constant payload



Constant payload



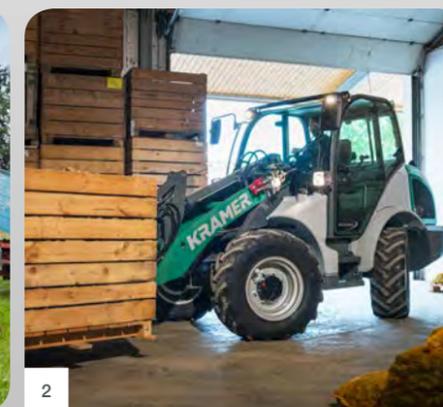
Constant payload

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



1

1 Stable, even in uneven ground conditions: The undivided chassis creates a high level of stability.



2

2 Even with a high load: Constant payload at any steering angle.



3

3 The high level of manoeuvrability in particular convinces with limited space.

Powerful engine: Reduced consumption.

You are well-prepared for the strict exhaust standards of the future with the engines installed in Kramer wheel and tele wheeled loaders. The engines of the 8-series therefore correspond to the current exhaust fume level IIIB and IV.

These are outfitted with 55 kW and diesel oxidation catalytic converters (DOC) as standard: this allows reliable operation in every situation. In addition, the new engines offer full performance despite a low RPM and a high torque increase. For maximum flexibility, there is optionally the 55 kW engine with a diesel particulate filter (DPF), which continuously regenerates the soot.

We optionally offer a 75 kW (100 hp) engine with DOC and SCR technology for the models KL43.8 and KL35.8T. The proportion of nitrogen oxides is significantly reduced by the SCR (selective catalytic reduction).

Top performance of the engine:

- About 15 % more torque**
- Maintenance-free exhaust fume after-treatment, thanks to DOC
- Up to 10 % in fuel savings**



** Compared to previous model with 55 kW.

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



KL30.8T
KL35.8T

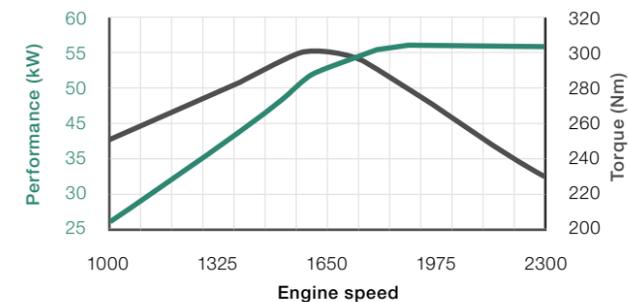
The right engine for every application: Overview of the engines of the 8-series.

	KL37.8	KL43.8	KL30.8T	KL35.8T
Motor	Deutz	Deutz	Deutz	Deutz
DOC only (for 55 kW)	●	●	●	●
DOC + DPF (for 55 kW)	○	○	○	○
DOC + SCR (for 75 kW)	-	○	-	○

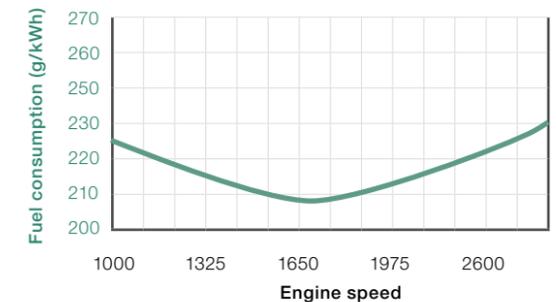
- Standard
- Option
- Not available

Performance curves for Deutz TCD 2.9 (55 kW, level IIIB)

Agile driving behaviour even at lower RPM.



High fuel savings with full performance.



Quick on the road. Precise on the farm.

A powerful drive system plus sophisticated safety and comfort features – with this combination, Kramer wheel and tele wheeled loaders score both on the go as well as on the farm. A variable high speed gear also developed by Kramer provides particularly reliable services here: Ecospeed.

Via an electronic control module, the transmission is automatically adapted to the respective load condition of the machine. So you can always rely on maximum torque, even with a simultaneously lower engine speed. For variable accelerations from 0 to 40 km/h.

ecospeed

The ecospeed drive system allow for a continuous variable acceleration from 0-40 km/h without shifting and without losses in thrust and tractive forces.



100% connectable differential lock
Soaked soils, wet or snow: Kramer's wheel and tele wheeled loaders also stand their ground on challenging sub-surfaces – thanks to the 100% connectable differential lock, which provides an even distribution of the drive force to all four wheels.

Maximum power output – also when driving on roads to the site of application.



Top performance of the drive system:

- Maximum torque and tractive force in all driving and working situations
- Reduced fuel consumption
- Low noise emissions of the diesel engine
- Constant Speed Drive (CSD) with memory function
- 100% connectable differential lock for constant maximum traction



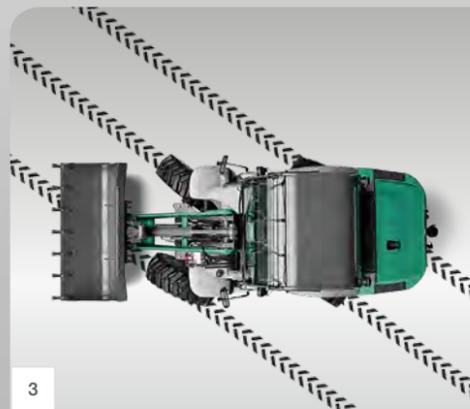
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1 All-wheel steering: particularly manoeuvrable due to 2 x 40 degree steering angle.



2

2 Front wheel steering: usual driving behaviour, even at high speeds on the road



3

3 Crab steering: ideal for parallel travel and manoeuvring in confined spaces, e.g. when clearing industrial buildings.



CSD - constant travel speed

Cruise control: 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, mulcher.

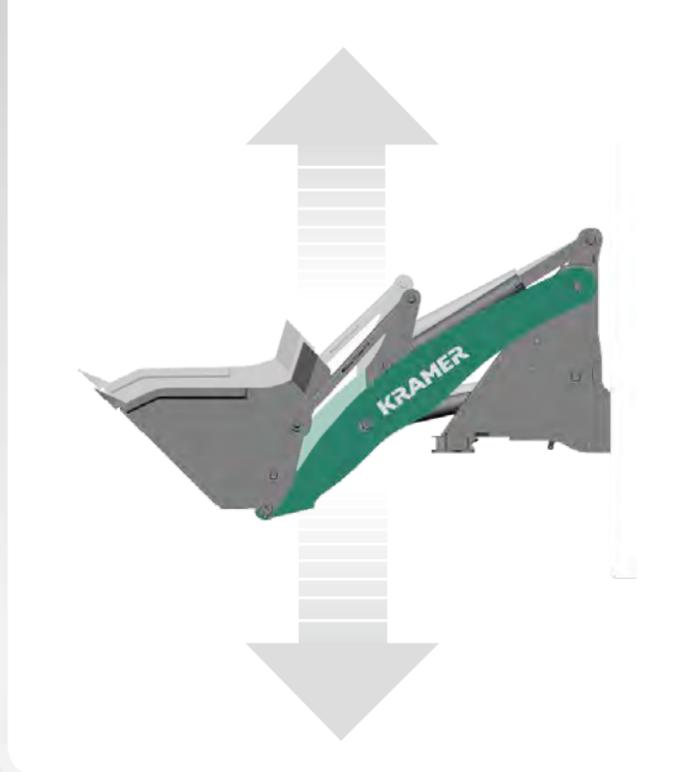
High load-carrying capacity.
Easy to change attachments.

Reliable in stacking operation

With the sophisticated kinematics, you have optimal control of all transported goods thanks to the parallel guide of the attachment in the entire lifting range.

Perfect for bucket operation

Safe material transport, even with a full bucket: This is made possible by the sophisticated combination of the Kramer bucket shape with a high bucket apron and long bottom as well as a 50-degree tilt back angle and 45-degree empty angle.

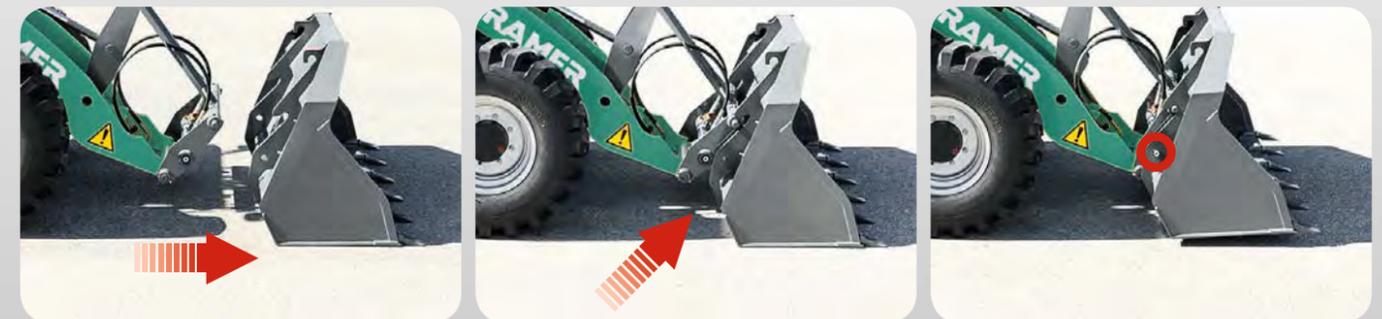


Protects man and machine: The fully automatic load stabiliser dampens oscillations of the loading system or the load during transport work. For higher travel speeds and even more driving stability and comfort.

Transport securely: thanks to the bucket geometry and high tilt back angle.



Maximise reach: The tele loading system increases the stacking and dumping height.



The Kramer quick-hitch system: Drive up to the attachment. Hydraulically mount the attachment from the seat and with a clear line of sight. Control the process with the touch on the joystick.



Top performance of the loading system:

- Fully automatic load stabiliser for more driving comfort and safety
- Sophisticated kinematics for precise parallel guidance of the load across the entire lifting height*
- A thousand-time-tested and proven hydraulic quick hitch system for the quick replacement of different attachments
- Ideal bucket geometry for optimal handling of bulk material

* not at KL30.8T and KL35.8T

Sensitive control. Tackle jobs powerfully.

Connect and disconnect attachments within seconds, 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 and the drive system were optimally coordinated with each other for this purpose. Additional power potential is generated by Powerflow, which was specifically designed and developed for attachments with a higher power requirement, such as mulchers or snow blower protection.



Top performance of the work hydraulics:

- Convenient operation of attachments on the joystick, even with 2 hydraulically activated functions
- More power to the drive system from hydraulically activated attachments through Powerflow
- A thousand-time-tested and proven hydraulic quick hitch system including external pressure release in the 3rd control circuit
- Hydraulic oil cooler for long-time application during power operation



Concept solution for system bearer

	KL37.8	KL43.8	KL30.8T	KL35.8T
3rd control circuit l/min; bar*	70; 240	84; 240	70; 240	84; 240
power flow performance hydraulics l/min*	115	120	115	120

*max. Pump values



Pressure release in the 3rd control circuit – for easy connecting and disconnecting of attachments with hydraulically activated auxiliary functions.

Extremely versatile due to the standard 3rd control circuit as well as optional 4th control circuit and Powerflow.

KL 37.8

Everything under control inside. Everything in view outside.

With the Kramer cab design, comfort, ergonomics and functionality can be seen in every detail. The result is an extremely spacious cabin with a great deal of space and a driver's cabin with superb all-round visibility.

The centrepiece is the all-in-one joystick, which provides a secure and intuitive operation. The colour-coded switches in the cab also provide a high degree of clarity. And the movements of the machine are extremely precise at all times with the suspended sensitive brake-inch pedal and gas pedal.

The cab comfort is completed with a flexible steering wheel and seat adjustment as well as their ergonomic design. Both contribute to a fatigue-free working over many hours.

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



Very spacious and perfect visibility to all sides.

Top performance in the cab:

- The steering wheel and control console with joystick and seat are individually adjustable
- Intuitive operation of all-in-one joystick
- Switches colour-coded by operation for an intuitive operation
- Windscreen wipers with an interval switch for good visibility at all times
- 2.3 m³ cabin volume and 3.6 m² window area
- Powerful heater, window ventilation and heating nozzles in the foot well



Easy entry from both sides – for safe entry using the side facing away from traffic.



Everything in control at night: Switch lighting and well-thought-out arrangement of the operator's controls.



Sensitive and precise control of the machine and attachment via hydraulically activated, pilot-operated joystick.

Tractor approval is a plus point.*
More possibilities.

Attractive duo: Trailer coupling in combination with the trailer braking system (compressed)

Top performance and max. flexibility:

- Height-adjustable trailer coupling
- Up to 14 tonne trailer load*
- EU tractor approval for use on public roads

* The regulations and laws of the relevant countries and regions are to be met.



The trailer coupling in conjunction with a tractor approval makes every wheel loader and tele wheeled loader the perfect towing vehicle. In this way, you can transport attachments, working equipment, tools and much more to the site of application – even on public roads. This saves you valuable time and therefore also costs.*

MAXIMUM PERMISSIBLE TRAILER LOADS

	Coupling Type	Unbraked trailer load kg	Overrun braked trailer load kg	Trailer load with pressure air-brake installation kg
KL37.8	Bolt / Ball joint	750	8,000/3,500	–
KL43.8	Bolt / Ball joint	750	8,000/3,500	14,000/–
KL30.8T	Bolt / Ball joint	750	8,000/3,500	–
KL35.8T	Bolt / Ball joint	750	8,000/3,500	14,000/–

* In addition, a sufficient front ballasting must be ensured in trailer operation, depending on the trailer load and the type of coupling. You can find more information at your Kramer distributor.



Ideal for a wide range of applications: The height of the trailer coupling can be flexibly adapted.

A variety of tasks. Always the right attachments.

Make your wheel loader and tele wheeled loader into a useful all-rounder year-round: with our wide diversified range of attachments. This is not only practical, but also economical.

You can find even more attachments at:
www.kramer.de

Front attachments

Standard

- Pallet forks
- Standard bucket
- Light materials bucket
- Super light goods bucket
- Material pusher
- Work platform*
- Bale spike

Powerflow

- Stabiliser mulcher
- Front-end mulcher
- Snow blower protection

Hydraulically activated

- High tip bucket
- Branch and hedge cutters
- Sweeper
- Snowplough
- Stacker with lateral shift

- Logging grab
- Multifunctional fork
- Dung fork
- Silage biting bucket
- Silage cutting pliers
- Round bale gripper

Rear attachments

Standard

- Unbraked trailer
- Overrun braked trailer
- Compressed air braked trailer
- Electric salt spreader

Hydraulically activated

- Hydraulically activated salt spreader
- Tipper hydraulics



* The regulations and laws of the relevant countries and regions are to be met.

Simple maintenance. Rapid service.

We know that every minute of application counts for you. That is why we already ensure during the design and development that you can quickly and easily maintain your wheel loader and tele wheeled loader.

The engine hood can be opened so far that all maintenance points are conveniently accessible. And the best maintenance is the kind that is not required, such as with our maintenance-free exhaust fume cleaning system (DOC).

Top performance with maintenance and service:

- Easy maintenance thanks to excellent accessibility
- Reliable diagnostics via Kramer diagnostic software KADIAS
- 30,000 spare parts in stock for quick repairs - world-wide.



Quick and easy service: reduces the downtime of your machine to a minimum.

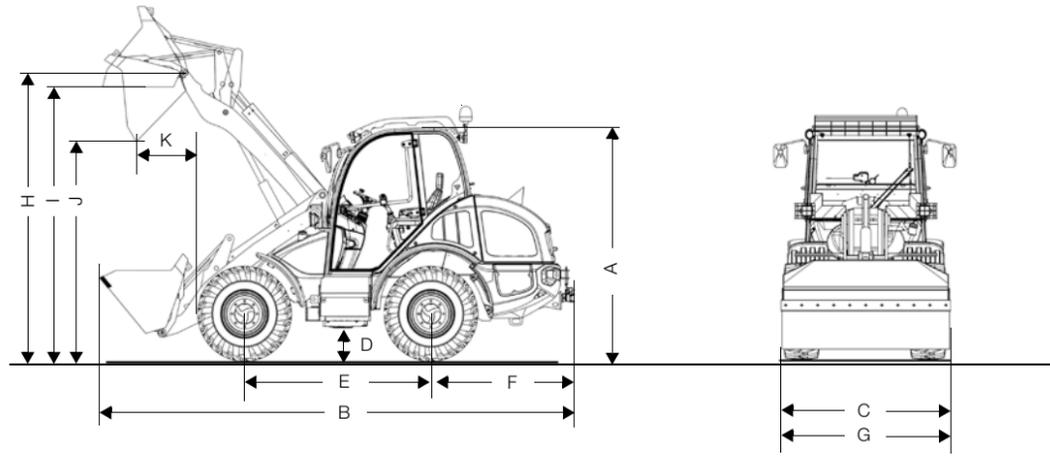


Your wishes.
Many possibilities.



	KL37.8	KL43.8	KL30.8T	KL35.8T
STANDARD EQUIPMENT AND OPTIONS				
Bucket capacity (standard bucket) m ³	0.95	1.15	0.85	0.95
Operating weight (standard equipment) kg	4,990	6,050	5,500	5,850
Quick-hitch system	Hydraulic	Hydraulic	Hydraulic	Hydraulic
ENGINE				
Make	Deutz	Deutz	Deutz	Deutz
Model / Design system	TCD 2.9	TCD 2.9 (series) TCD 3.6 (option)	TCD 2.9	TCD 2.9 (series) TCD 3.6 (option)
Capacity kW	55.4	55.4 (series) 74.4 (option)	55.4	55.4 (series) 74.4 (option)
Max. torque Nm at RPM	300 at 1,600	300 at 1,600 410 at 1,600 (option)	300 at 1,600	300 at 1,600 410 at 1,600 (option)
Displacement cm ³	2,925	2,925 (series) 3,621 (option)	2,925	2,925 (series) 3,621 (option)
Exhaust emission stage	IIIB	IIIB / IV (option)	IIIB	IIIB / IV (option)
Emissions	Tested and certified according to 97/68EG*2012/46EC			
POWER TRANSMISSION				
Drive system	Continuously variable hydrostatic axial-piston gearbox			
Travel speed km/h	20 (series) 30 (option) 40 (option)	20 (series) 30 (option) 40 (option)	20 (series) 30 (option) 40 (option)	20 (series) 30 (option) 40 (option)
Axles	Planetary steering axles			
Total oscillating angle °	22	22	22	22
Differential lock	100% VA	100% VA+HA	100% VA	100% VA+HA
Service brake	Hydraulic disc brake			
Parking brake	Mechanical disc brake			
Standard tyres	12.5-20	405/70-24	12.5-20	16/70-20
STEERING AND WORK HYDRAULICS				
Functionality	Hydrostatic all-wheel steering with emergency steering properties; front drum steering (option), crab steering (option)			
Steering pump	Gear pump via priority valve			
Steering cylinder	Double-acting with independent final position synchronisation			
Max. steering lock °	2x40			
Work pump	Gear pump			
Flow rate (pump) max. l/min	70	84	70	84
Pressure max. bar	240	240	240	240
Flow rate (pump option) l/min	115	120	115	120
KINEMATICS				
Design system	Parallel kinematics	Parallel kinematics	Z-kinematics	Z-kinematics
Lifting force / shearing force kN	43.6/39.4	46.5/41.9	31/49	31/40
Lift / lower lift cylinder s	6.0/4.0	6.2/4.8	5.6/4.0	5.0/3.6
Tipping cylinder fill shovel / empty shovel s	2.4/2.6	2.3/2.9	2.6/2.6	2.5/2.5
Tilt-in / tilt-out angle °	50/45	50/45	45/40	40/40
Tipping load (standard bucket) kg	3,890	4,300	3,300	3,500
Tipping load (pallets) kg	2,875	3,625	2,500	2,875
Payload S = 1.25 (stacker) kg	2,300	2,900	2,000	2,300
Payload S = 1.67 (stacker) kg	1,700	2,170	1,500	1,700
Digging depth mm	60	55	80	50
FILLING VOLUMES				
Fuel / hydraulic oil tank l	85/50	120/64	85/50	120/64
ELECTRIC SYSTEM				
Operating voltage V	12	12	12	12
Battery / alternator Ah/A	77/95	100/95	77/95	100/95
Starter motor kW	2.6	3.2	2.6	3.2

Dimensions.



	KL37.8	KL43.8	KL30.8T	KL35.8T
A Height* mm	2,480	2,680	2,590	2,750
B Length mm	5,410	5,800	5,890	6,040
C Width mm	1,780	1,970	1,780	1,920
D Ground clearance mm	330	390	330	350
E Distance between wheels mm	2,020	2,150	2,020	2,150
F Middle of the rear axle to the end of the vehicle mm	1,490	1,620	1,490	1,620
G Bucket width mm	1,950	2,150	1,850	1,950
H Bucket pivotal point mm	3,290	3,450	3,615/4,690"	3,630/4,680"
I Overhead loading height	3,090	3,200	3,445/4,520"	3,400/4,450"
J Dumping height (bucket)	2,580	2,650	3,010/4,010"	2,930/3,980"
K Dumping width (bucket)	650	660	620/1,080"	640/1,100"
Stacking height mm	3,040	3,200	3,390/4,470"	3,460/4,500"
Turning radius (across tyres) mm	2,840	3,000	2,840	2,950

* The height varies with the optional air-conditioning system (models KL37.8 and KL43.8 plus 90 mm, models KL30.8T and KL35.8T plus 60 mm).

** extended

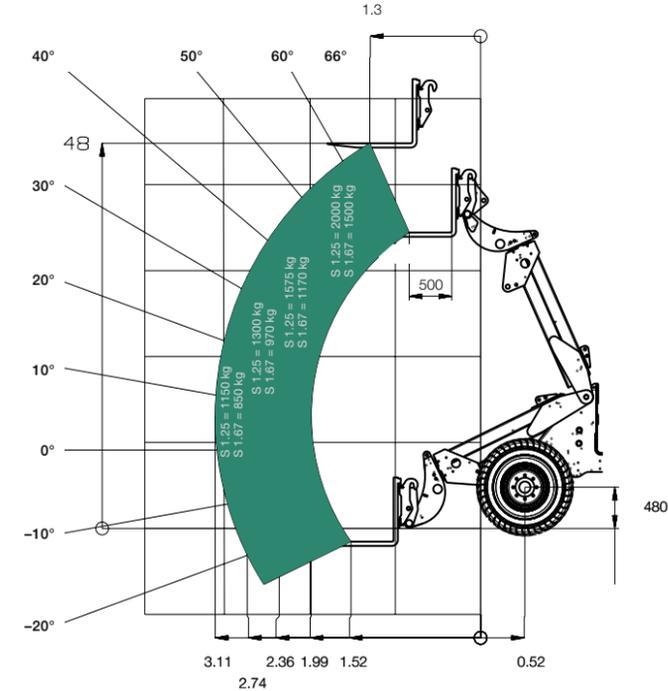
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DIMENSIONS WITH LONG LOADING SYSTEM

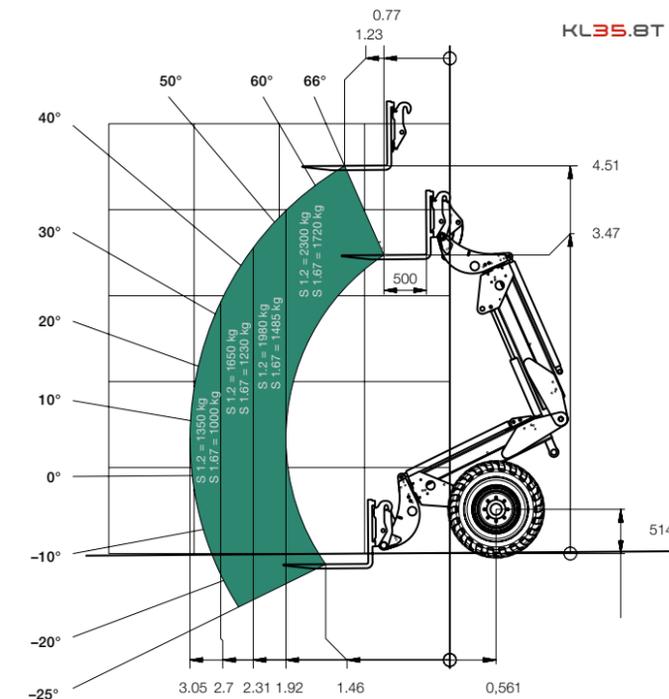
B Length mm	5,650	5,800
H Bucket pivotal point mm	3,550	3,640
I Overhead loading height	3,400	3,430
J Dumping height (bucket)	2,850	2,970
K Dumping width (bucket)	730	490
Stacking height mm	3,300	3,725
Bucket tipping load kg	3,240	4,300
Stacker tipping load kg	2,500	3,625
Stacking payload S=1.25 kg	2,000	2,900
Stacking payload S=1.67 kg	1,500	2,170
Bucket pivotal point of long loading system mm	3,550	3,640

Load-bearing capacity diagrams.

KL30.8T Load-bearing capacity diagram



KL35.8T Load-bearing capacity diagram



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