



KRAMER
on the safe side

Wheel and Tele-Wheel Loaders

8085, 8095, 8105, 8115
8085T, 8095T



Performance redefined.

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

8085 8095 8105 8115 8085T 8095T

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

Safety, comfort and a variety of options are top priority at Kramer, which can be seen in every detail of our products. You can rely completely and entirely on Kramer wheel loaders and tele wheeled loaders in any application.

Our all-wheel steering and undivided frame ensure excellent stability at all times. In addition, a long service life as well as the economic efficiency ensure even more investment security: A broad range of attachments for application year-round makes our wheel loaders and tele wheeled loaders true multi-taskers.

Your success. Our benchmark.

Thought-out – from the start.

With products from Kramer, you are choosing a machine whose design and development focused on one thing: hard everyday work. From the start, we make sure that our products meet the requirements of our customers both present and future. Challenging longterm tests with several thousand hours of operation ensure the high quality and marketability of all new machine generations.

Always available – 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.

Made in Germany – in demand world-wide.

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



The wheel loaders of the 8-series



8085

Bucket capacity: 0,85 m³



8095

0,95 m³



8105

Bucket capacity: 1,05 m³



8115

1,15 m³

The tele-wheel loaders of the 8-series



8085T

Bucket capacity: 0,85 m³



8095T

0,95 m³

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.

Three types of steering
to meet every requirement.

Comfort cab
with an entry from 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 safe and quick material transport.

Excellent traction
thanks to 100% connectable differential lock.

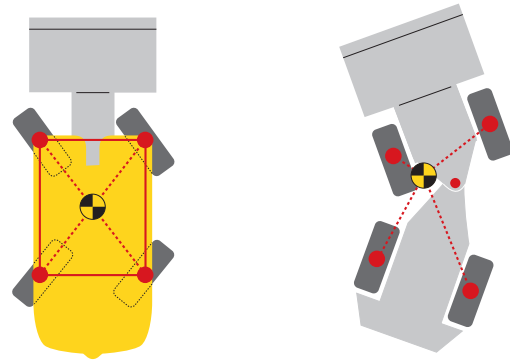


* The regulations and laws of the relevant countries and regions are to be met.

Extreme stability. Outstanding manoeuvrability.

Safe and efficient working - guaranteed in all situations by using Kramer's wheel and tele wheeled loaders.

Undivided chassis for a high level of stability ...

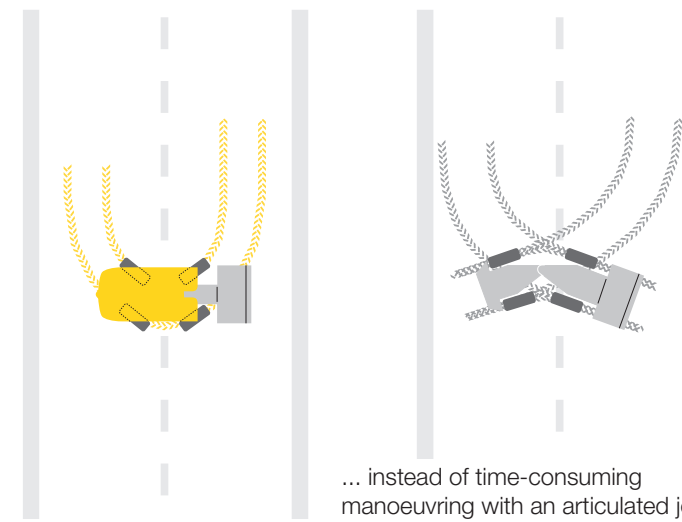


... without a shift in the centre of gravity, even when on full steering lock.

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 high levels of stability - even when working on uneven ground.

Turning made easy with all-wheel steering ...



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

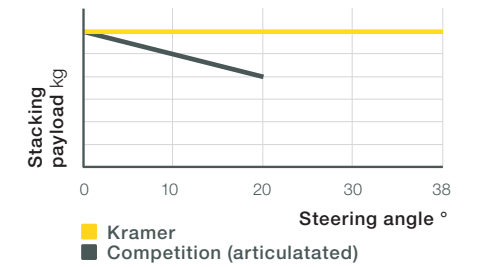
Enormous manoeuvrability

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

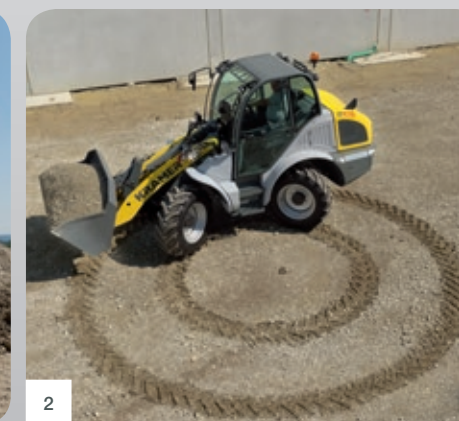


Constant payload

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 Excellent stability even when operating on uneven ground:
The undivided frame provides superior stability.



2 The high level of manoeuvrability of the all-wheel steer wheel loaders and tele wheeled loaders is particularly useful in tight spaces.



3 Even with a heavy load:
Constant payload at any steering angle.

Economical and powerful engines. For every application.

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 8105, 8115 and 8095T. 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.

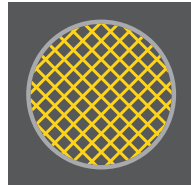
Improved running smoothness:
Economical and powerful engines in all Kramer models.



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

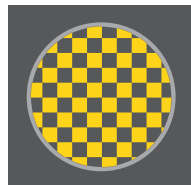
● Standard ○ Option – Not available

	8085	8095	8105	8115	8085T	8095T
Motor	Deutz	Deutz	Deutz	Deutz	Deutz	Deutz
DOC only (for 55 kW)	●	●	●	●	●	●
DOC + DPF (for 55 kW)	○	○	○	○	○	○
DOC + SCR (for 75 kW)	–	–	○	○	–	○



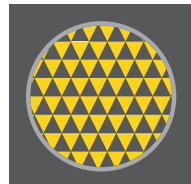
Diesel oxidation catalytic converter (DOC)

These days, catalytic converters are used to reduce emissions in many cars and trucks. The diesel oxidation catalytic converter has the same function. Without the movement of mechanical parts, it triggers chemical reactions which reduce the emissions.



Diesel particulate filter (DPF)

The diesel particulate filter is used in connection with an oxidation catalytic converter. Nitrogen oxides, soot particles and unburnt hydrocarbons are caught in a porous honeycomb structure here. Due to the exothermic reaction in the oxidation catalytic converter, which is placed in front of the filter, the exhaust fumes are so strongly heated that the soot in the diesel particulate filter is burned. This process is also called regeneration.

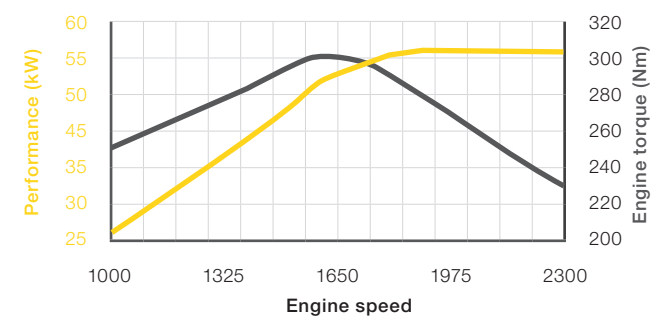


Selective catalytic reduction (SCR)

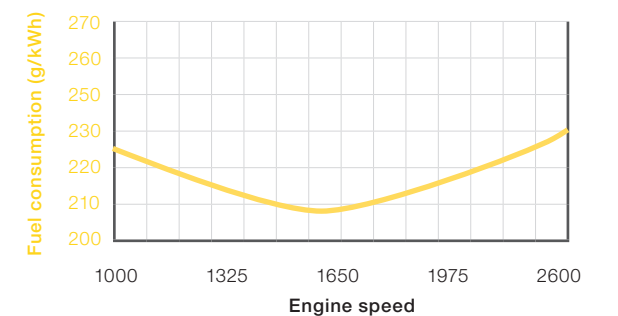
SCR technology reduces nitrogen oxides in exhaust fumes. A chemical reaction is required for this purpose, which is triggered by a urea-water solution in the SCR catalytic converter: Ammonia reacts there with the nitrogen oxides to form the harmless products water and elementary nitrogen. With this solution, the emission of nitrogen oxides is reduced by up to 90 percent.

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 road. Accurate on site.

A powerful drive system plus sophisticated safety and comfort functions - with this combination, Kramer wheel and tele wheeled loaders score both on and off site. 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



100% connectable differential lock
Muddy soils, wet conditions or snow: Kramer machines also stand their ground on challenging 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 during road travel to the working site.



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



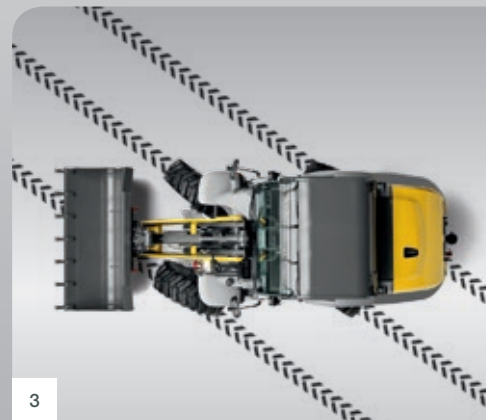
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1 All-wheel steering: particularly manoeuvrable due to 2 x 40 degree steering angle.



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.

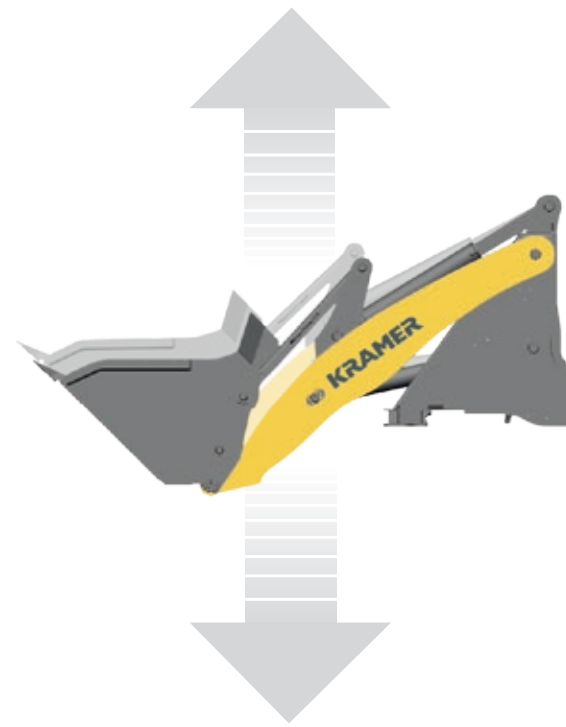
High load-carrying capacity. Easy to change attachments.

Reliable in stacking operation

Thanks to the P-kinematics, you have optimal control of all transported materials, because it ensures the attachments are moved parallel across 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 stabilizer dampens oscillations of the loading system or the load during transport work. For higher travel speeds and even more driving stability and comfort.

Secure transport, thanks to Kramer's bucket geometry and high tilt-back angle.



Maximize 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 stabilizer for more driving comfort and safety
- P-kinematics for precise parallel guidance of the load across the entire lifting height*
- A thousand-time-tested and proven quick-hitch system for the quick application of different attachments
- Ideal bucket geometry for optimal handling of bulk material

* not at 8085T and 8095T

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.

Concept solution for system bearer

	8085	8095	8105	8115	8085T	8095T
3rd control circuit l/min; bar*	70; 240	70; 240	84; 240	84; 240	70; 240	84; 240
power flow performance hydraulics l/min*	115	115	120	120	115	120

*max. Pump values



Top performance of the work hydraulics:

- Convenient operation of attachments, even with 2 hydraulically activated functions, via the joystick
- 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



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.

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 cab with a great deal of space and a driver's cab with super all-round visibility.

The all-in-one joystick, as the heart of the machine, provides secure and intuitive operation. In addition, the colour-coded switches provide an extra degree of clarity and user friendliness. With the suspended sensitive brake-inch and gas pedals, the machine's movements are always extremely precise.

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.

Color-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 color-coded by operation for an intuitive operation
- Windscreen wipers with an interval switch for good visibility at all times
- 2,3 m³ cab volume and 3,6 m² window area
- Powerful heater, window ventilation and heating nozzles in the footwell
- Fully integrated optional air-conditioning system



Easy entry and egress 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.

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, work machines, tools and building materials to the site of application - even on public roads. This saves you valuable time and therefore also costs.



Attractive duo: Trailer coupling in combination with a pressure braked system.

Top performance and max. flexibility:

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

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

MAXIMUM PERMISSIBLE TRAILER LOADS

	Coupling Type	Unbraked trailer load kg	Overrun braked trailer load kg	Trailer load with pressure air-brake kg
8085	Bolt/Ball joint	750	8.000/3.500	-
8095	Bolt/Ball joint	750	8.000/3.500	-
8105	Bolt/Ball joint	750	8.000/3.500	14.000/-
8115	Bolt/Ball joint	750	8.000/3.500	14.000/-
8085T	Bolt/Ball joint	750	8.000/3.500	-
8095T	Bolt/Ball joint	750	8.000/3.500	14.000/-



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

* 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.

A variety of tasks. Always the right attachments.

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

Front attachments

Standard

- Pallet forks
- Standard bucket
- Light material bucket
- Super light weight bucket
- Material pusher
- Work platform*

Powerflow

- Cold planer
- Municipal mulcher
- Front-end mulcher
- Trencher
- Snowblower

Hydraulically activated

- Heavy duty bucket
- Side tilt bucket
- High bucket tilt
- High pressure water sprayer
- Branch and hedge cutters
- Concrete mixing bucket
- Earth auger
- Sweeper
- Snowplow

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

Rear attachments

Standard

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

Hydraulically activated

- Hydraulically activated salt spreader
- Trailer tipping hydraulics



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

Simple maintenance. Quick service.

We know that every minute 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 wide, 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 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.

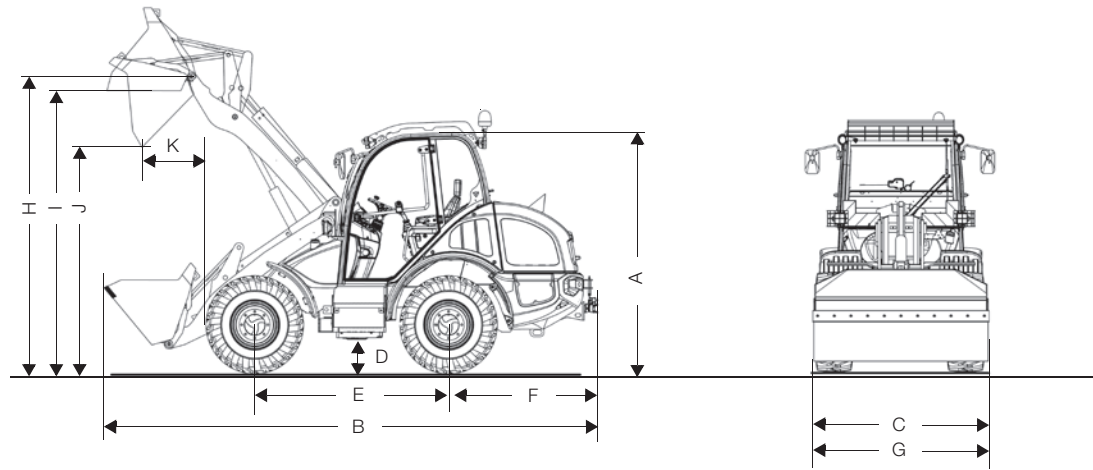


Your wishes.
Many possibilities.



	8085	8095	8105	8115	8085T	8095T
STANDARD EQUIPMENT AND OPTIONS						
Bucket capacity (standard bucket) m ³	0,85	0,95	1,05	1,15	0,85	0,95
Operating weight (standard equipment) kg	4.750	4.990	5.550	6.050	5.500	5.850
Quick-hitch system	hydraulic	hydraulic	hydraulic	hydraulic	hydraulic	hydraulic
ENGINE						
Make	Deutz	Deutz	Deutz	Deutz	Deutz	Deutz
Type/Design system	TCD 2.9	TCD 2.9	TCD 2.9 (series) TCD 3.6 (option)	TCD 2.9 (series) TCD 3.6 (option)	TCD 2.9	TCD 2.9 (series) TCD 3.6 (option)
Power output kW	55,4	55,4	55,4 (series) 74,4 (option)	55,4 (series) 74,4 (option)	55,4	55,4 (series) 74,4 (option)
Max. torque Nm at rpm/min	300 at 1.600	300 at 1.600	300 at 1.600 (series) 410 at 1.600 (option)	300 at 1.600 (series) 410 at 1.600 (option)	300 at 1.600	300 at 1.600 (series) 410 at 1.600 (option)
Displacement cm ³	2.925	2.925	2.925 (series) 3.621 (option)	2.925 (series) 3.621 (option)	2.925	2.925 (series) 3.621 (option)
Exhaust emission stage	IIIB	IIIB	IIIB (series) IV (option)	IIIB (series) IV (option)	IIIB	IIIB (series) IV (option)
Emissions	tested and certified according to 97/68EG*2012/46EG					
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)	20 (series) 30 (option) 40 (option)	20 (series) 30 (option) 40 (option)
Axles	Planetary steering axles					
Total oscillating angle °	22	22	22	22	22	22
Differential lock	100 % FA 100 % RA (Option)	100 % FA 100 % RA (Option)	100 % FA+RA	100 % FA+RA	100 % FA 100 % RA (Option)	100 % FA+RA
Service brake	Hydraulic disc brake					
Parking brake	Mechanical disc brake					
Standard tyres	12.5-20	12.5-20	16/70-20	405/70-24	12.5-20	16/70-20
STEERING AND WORK HYDRAULICS						
Functionality	Hydrostatic all-wheel steering with emergency steering possibilities; front axle steering (option), crab steering (option)					
Steering pump	Hydraulic pump via priority valve					
Steering cylinder	Double-acting with independent final position synchronization					
Max. steering lock °	2x40					
Work pump	Gear pump					
Flow rate (pump) max. l/min	70	70	84	84	70	84
Pressure max. bar	240	240	240	240	240	240
Flow rate (pump option) l/min	115	115	120	120	115	120
KINEMATICS						
Design System	Parallel kinematics	Parallel kinematics	Parallel kinematics	Parallel kinematics	Z-Kinematics	Z-Kinematics
Lifting force / shearing force kN	43,8/40,7	43,6/39,4	44,5/40,0	46,5/41,9	31/49	31/40
Lift / lower lift cylinder s	6,0/4,0	6,0/4,0	5,2/3,8	6,2/4,8	5,6/4,0	5,0/3,6
Tipping cylinder fill shovel / empty shovel s	2,4/2,6	2,4/2,6	2,5/2,8	2,3/2,9	2,6/2,6	2,5/2,5
Tilt-in / tilt-out angle °	50/45	50/45	50/42	50/45	45/40	40/40
Tipping load (standard bucket) kg	3.650	3.750	4.100	4.300	3.300	3.500
Tipping load (pallets) kg	2.685	2.875	3.125	3.625	2.500	2.875
Payload S = 1.25 (pallets) kg	2.150	2.300	2.500	2.900	2.000	2.300
Payload S = 1.67 (pallets) kg	1.600	1.700	1.850	2.170	1.500	1.700
Digging depth mm	40	60	68	55	80	50
FILLING VOLUMES						
Fuel / hydraulic oil tank l	85/50	85/50	120/64	120/64	85/50	120/64
ELECTRIC SYSTEM						
Operating voltage V	12	12	12	12	12	12
Battery / alternator Ah/A	77/95	77/95	100/95	100/95	77/95	100/95
Starter kW	2,6	2,6	3,2	3,2	2,6	3,2

Dimensions.



8085 8095 8105 8115 8085T 8095T

DIMENSIONS

A Height* mm	2.490	2.490	2.650	2.690	2.600	2.760
B Length mm	5.280	5.410	5.710	5.800	5.890	6.040
C Width mm	1.780	1.780	1.970	1.970	1.780	1.970
D Ground clearance mm	330	330	340	390	330	340
E Distance between wheels mm	2.020	2.020	2.150	2.150	2.020	2.150
F Middle of the rear axle to the end of the vehicle mm	1.490	1.490	1.620	1.620	1.490	1.620
G Bucket width mm	1.850	1.950	2.050	2.150	1.850	1.950
H Bucket pivot point mm	3.290	3.290	3.351	3.450	3.615/4.690**	3.622/4.672**
I Overhead loading height	3.140	3.090	3.116	3.200	3.445/4.520**	3.392/4.442**
J Dumping height (bucket)	2.560	2.580	2.613	2.650	3.010/4.010**	2.922/3.972**
K Dumping width (bucket)	635	650	743	660	620/1.080**	648/1.108**
Stacking height mm	3.040	3.040	3.066	3.200	3.390/4.470**	3.452/4.492**
Turning radius (across tyres) mm	2.840	2.840	3.000	3.000	2.840	3.000

* The height varies with the optional air-conditioning system (models 8085, 8095, 8105 and 8115 plus 90 mm, models 8085T and 8095T plus 60 mm).

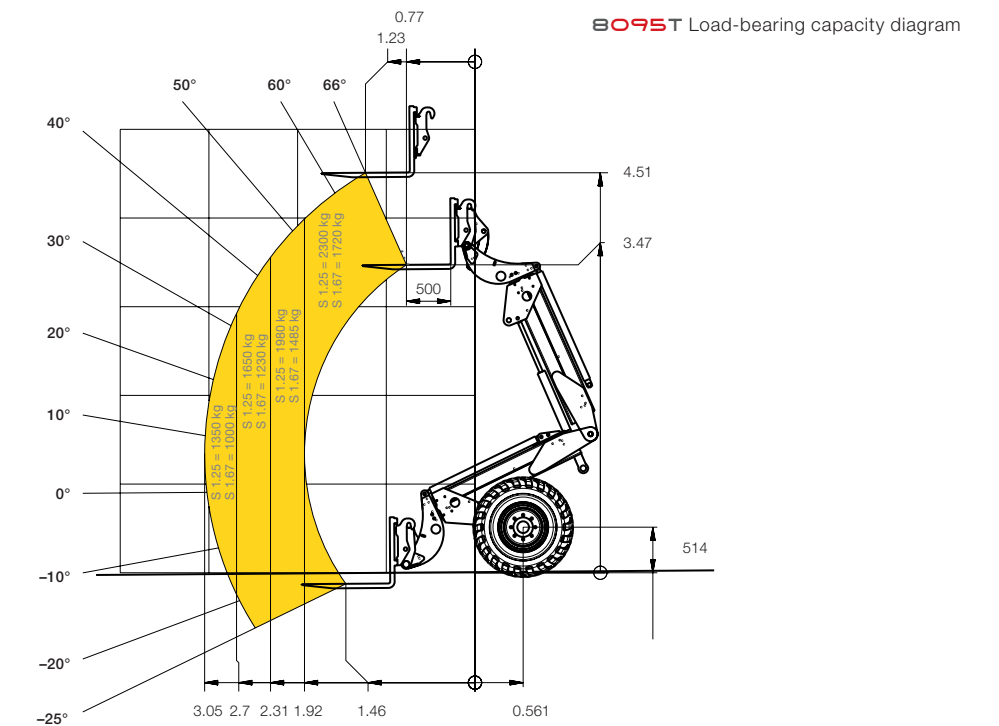
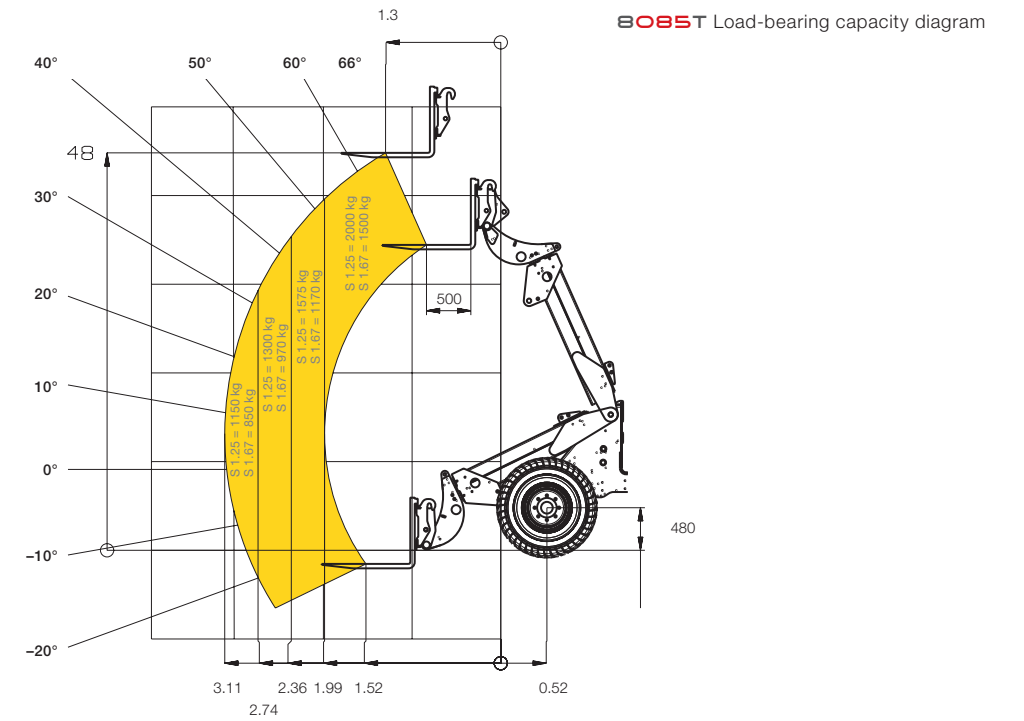
** extended

8085L 8095L 8115L

DIMENSIONS WITH LONG LOADING SYSTEM

B Length mm	5.600	5.650	5.800
H Bucket pivot point mm	3.550	3.550	3.640
I Overhead loading height	3.400	3.400	3.430
J Dumping height (bucket)	2.850	2.850	2.970
K Dumping width (bucket)	730	730	490
Stacking height mm	3.300	3.300	3.390
Bucket tipping load kg	3.000	3.240	4.300
Pallet tipping load kg	2.500	2.500	3.625
Pallet payload S= 1,25 kg	2.000	2.000	2.900
Pallet payload S= 1,67 kg	1.500	1.500	2.170

Load-bearing capacity diagrams.



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