### A NEW SIZE, THAT MOVES

The wheel loaders and telescopic wheel loader 8155/8155L/8145T





# Full efficiency in materials handling

Discover the wheel loader and telescopic wheel loader in the 9-11 tonne class

Kramer is further expanding its diverse product portfolio in the wheel loader and telescopic wheel loader range. The performance data of the machines is complemented by the typical Kramer all-wheel steering, which ensures stability, manoeuvrability and compactness. In addition to the impressive performance features, the wheel loader and telescopic wheel loader also impress with an innovative, new cabin and operating concept and are state of the art in every respect.

### On the safe side with Kramer

Rich in tradition, the Kramer brand has been established on the market for many years and in particular stands for one value: **Safety.** The high quality of the innovative machines is only one aspect of this. As a company, Kramer is also a reliable choice for customers and dealers because the experience and innovative power of the company ensures for investment and future security. In short – you are always on the safe side with Kramer: **"Kramer – on the safe side!"** 

# ON THE SAFE SIDE

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### **Technical Data** and Dimensions

Operating and performance data	8155	8155L	
Engine output (optional) [kW]	100 (115)	100 (115)	
Bucket capacity [m³]	1.55	1.35	
Bucket tipping load [kg]	6,100	5,600	
Payload on pallet forks S = 1.25 [kg]	4,200	3,900	
Operating weight (depends on options) [kg]	9,850	10,500	

Operating and performance data	8145T
Engine output (optional) [kW]	100 (115)
Bucket capacity [m³]	1.45
Bucket tipping load [kg]	5,500
Payload on pallet forks S=1.25 [kg]	3,900
Operating weight (depends on options) [kg]	11,170

BO RANGE SA
avarana Miliana Maria

### Why split what belongs together?

# Kramer – A unique system

The Kramer brand stands for all-wheel wheel loaders, telescopic wheel loaders with extreme manoeuvrability, all-terrain mobility and high efficiency. Thanks to the tried and tested undivided vehicle frame, the wheel loader and telescopic wheel loader convince with their high stability.

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

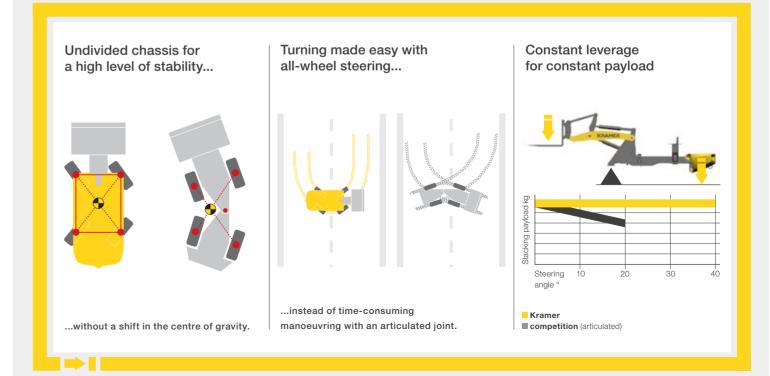
The wheel loaders and telescopic wheel loaders are designed with an undivided makes the vehicles convincing with a high level of stability - even in uneven ground shorter cycle times. conditions.

#### Enormous manoeuvrability

The all-wheel steering and the steering angles of 40 degrees on the front and chassis that prevents shifts in the centre of the rear axle allow you a high degree of gravity - even with a full steering lock. This manoeuvrability. Some steering manoeuvres therefore become unnecessary, resulting in load situations. In the process, the payload

#### 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 always stays the same, irrespective of the steering angle.



### Flexibility in use

### The correct steering type for each application

The undivided vehicle frame forms the basis for three different types of steering. A wheel loader and a telescopic wheel loader's design principle decides how it is used and for which applications. The steering system is the crucial factor here. In the wheel loader and telescopic wheel loaders of Kramer, it is possible to change the steering type during operation.



#### All-wheel steering

- 2 x 40 degrees steering angle at the front and rear axle for quick working cycles
- optimised routes
- tight turning circle



#### Front wheel steering

- safe and usual driving on a road at high speed
- easy guidance of special attachments
- customary steering system
- ideal for trailer operation



#### Crab steering

- manoeuvring in the smallest space
- precise positioning in the most confined conditions
- moving of special attachments
- easy moving away from walls and trenches



All-wheel steering particularly manoeuvrable in restricted space



Front wheel steering ideal for towing and road operation



Crab steering for maximum flexibility

### A variety of tasks

### Always the right attachments

Regardless of what challenges your application holds for you: With the various attachments, the situation is always under your control. Thanks to the hydraulic quick-change system, you can adapt your Kramer machine to any situation in no time at all. Standard attachments can even be replaced in less than 10 seconds.

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







### **Notable forces**

### Work easily with large loads

Different loader units are available to you depending on the requirement. The standard loader unit of the 8155 has a load-over height of up to 3.52 m. Optionally, you can also order an extended loader unit, a so-called industry loader unit, with 3.95 m load-over height, which makes 8155 into 8155L. The 8145T is equipped with a telescopic loader unit and reaches a load-over height of 5.19 m. Obviously, an extremely robust hydraulic quickhitch facility for toughest applications with a 61.5 mm wide locating pin as well as a 50 mm strong locking bolt is offered for this purpose. All three loader units have the support as per ISO 23727, which is used most frequently around the world in this performance category.

Standard loader unit (PZ - kinematics) with Kramer quickhitch plate Industrial loader unit (P – kinematics) with Kramer quickhitch plate

Telescopic loading system (Z-kinematics) with Kramer quickhitch plate







The crowd and tilt centre mast combines the best of parallel and Z kinematics in a system and thus guarantees high tearout force and exact parallel guidance throughout the entire lifting range.

- additional overview clearances due to the bottom-mounted tipping cylinder
- high tearout force and parallel guidance throughout the entire lifting range
- uniform power delivery
- unites advantages of the P- and Z-kinematics

The P-kinematics convinces with a high breakaway force, high holding forces in the upper range of the mast and exemplary precision when working with heavy loads. This advantage can be felt in particular when loading and unloading as well as stacking with high lift heights.

- precise and safe work
- loads are automatically kept at level when lifting and lowering
- exact parallel guidance over the entire lift height

The Z-kinematics extends the full-fledged wheel loader by the advantages of a telescopic wheel loader. The telescopic loading system enables greater reach as well as dumping height. Thanks to the high forklift, dumping and load-over height, the loading and unloading of high-sided trucks is possible.

- quick emptying and high tear-out forces
- exceptional view of the attachment thanks to the compact design
- additional reach and dumping width

### Machine highlights at a glance

### The correct machine for diversified tasks

The wheel loader and the telescopic wheel loader do not just convince with excellent power ratings despite low dead weight - new design, technical details and high quality make it into something unique. Your problem-solver for a variety of tasks and challenges. See for yourself!

### The telescopic loading system with Z-kinematics

extends the wheel loader by the advantages of a telescopic wheel loader. The load-over height is 5.19 m.

#### The industry loader unit with P-kinematics

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offers a load-over height of 3.95 m with perfect view of the attachment at the same time.

#### The standard loader unit with PZ-kinematics

unites high lifting and tear-out forces with an exact parallel guidance throughout the entire lifting range and offers a high load-over height of 3.52 m.

#### The high-performance load-sensing hydraulics

Extremely robust hydraulic quickhitch facility for toughest applications with 61.5 mm mounting- 50 mm diameter locking bolt according to ISO 23727.

with 150 l/min (optional 180 l/min) enables faster work cycles.

#### The innovatively designed cabin concept

with ergonomically arranged operator's controls offers an effortless and efficient operation, thanks to the excellent all-round visibility. The large LCD display with integrated reversing camera, automatic climate control and automatic bucket reverse are only a few features, which belong to the standard equipment.

#### Powerful and efficient Deutz engines

The 8155 / 8155L / 8145T is driven by a 100 kW powerful Deutz TCD 3.6 L4 engine. The still more efficient Deutz TCD 4.1 L4 engine with 115 kW is available as an option.

#### The intelligent air duct

incl. reversible fan motor ensures high cooling performance with low maintenance, as no dust is stirred up by the air duct.

#### EU-wide tractor approval and ball hitch with 1t supporting load make the wheel loader and telescopic wheel loader an optimal tractor.

#### All common ball hitch systems are available.

#### Variety of options in the rear make the loaders perfect all-rounders:

among other things, different hydraulic control circuits, electrical outlet, DIN signal socket and a pneumatic and hydraulic brake.

#### Pushing power redefined

Increased driving performance through the newly developed continuously variable hydrostatic transmission, which combines enormous thrusting forces with sensitivity.

ecospeedPRO (optional)
Continuously variable hydrostatic transmission for the
speed range till 40 km/h incl. Smart Driving.

ON THE SAFE SIDE

Unique steering system with three steering modes all-wheel, crab and front-axle steering. That makes the machine extremely manoeuvrable and flexibly equipped for all applications.

The design principle of the undivided vehicle frame forms the basis for extreme stability, great manoeuvrability and constant payload of the machine. Furthermore, the operator is offered a wider and safer entry

### Comfortable working area

### Everything outside in view

The cabin concept is designed entirely for the comfort and thus for the performance-efficiency of the operator. From the operator's seat to the steering wheel, all details are consistently aligned with the needs of the operator. Ergonomics, driving comfort and functionality are paramount here.

The fully glazed cabin is spacious and features considerable headroom and legroom. The dashboard similarly allows an easy-to-see and unrestricted view of the quickhitch plate. In summary, the cabin offers a comfortable environment with excellent all-round visibility for fatigue-free and efficient work, even over long workdays.



Excellent all-round visibility: Narrow cabin side rail and panoramic glazing provide optimum view from all sides.

### **Technical highlights**

### Simple operation – Innovative cabin design



The cabin is equipped with a so-called jog dial. This makes it possible to easily set all important

Jog Dial

Armrest

The machines are equipped with a completely new operating concept, with a large 7-inch LCD display. The setup of the 7" 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.

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

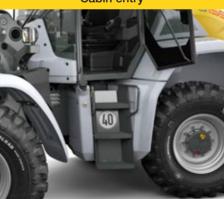
The armrest, including the joystick console and jog dial, is attached to the operator's seat and equipped with the most important operator's controls. The left hand can therefore remain on the steering wheel while the right hand is in the armrest area. The armrest folds up and thus making it possible to exit to the right as well.





Large glass surfaces in conjunction with an open glass roof and the integrated rear-view camera provide excellent all-round visibility in the new cabin: an excellent view of the attachment, the immediate working-area and the entire machine-surroundings.

Cabin entry



The cabin can easily be reached from both sides via large entry areas on three tiered steps. Four handles (one to the left of the A-column, two at the stairway access and on at the door) enable safe entry and exit on both sides. An interior light with door contact switch is also available.

Other cabin features



Through the cabin design, the operator is protected from noise emissions (70 dB(A)). In addition, automatic climate control, work lights and rear window wiper can be controlled laterally above the 7-nch display. Other cabin features are: Bluetooth-Radio with hands-freesystem, 12 V-outlet with protection cap, two USB connections and much more.

### Variably economical

### The Kramer high-speed gearbox

The continuously variable hydrostatic transmission ecospeedPRO with 45° turning angle of the hydraulic motor was co-developed by Kramer. It impresses with maximum economic efficiency combined with the best possible environmental friendliness and excellent driving characteristics.

Thanks to the ecospeedPRO transmission, the speed and pushing power are always perfectly matched to each other. The new, powerful transmission makes continuous acceleration possible from 0 to 40 km/h without shifting. This results in a comfortable uniform driving manner, since there are no tractive force interruptions or shifting jerks.

The ecospeedPRO transmission provides a higher tractive force for this machine class than the previous ecospeed. Thus, still higher pushing and tractive forces of up to 10 % are achieved.

The machines are by default equipped with a powerful hydrostatic transmission. Both, the hydrostatic version as well as the ecospeedPRO version have the speed reduction Smart Driving as a standard.



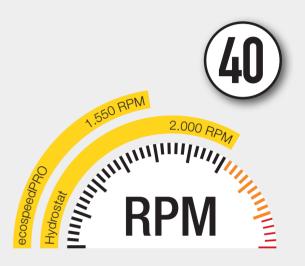






### **Smart Driving**

The intelligent engine speed reduction "Smart Driving" adapts the engine speed at constant speed optimally. When the maximum speed is reached, this results in reduced noise development and reduced load on the individual components and well as lower fuel consumption. In combination with the new ecospeedPRO, a reduction of up to 1,550 rpm is possible.



All the important data can be seen on the 7-inch display.

#### Three freely selectable speed levels

The speed levels can be easily changed while driving. The change is performed conveniently with two buttons on the joystick and is immediately shown in the 7" display with a corresponding symbol (see below). In addition to the three freely selectable speeds, different driving modes can be selected optionally: **Driving with manual throttle, low-speed control and driving via drive pedal.** 



#### Snail: 0 - 7 km/h

Available with

- Hydrostat (top speed 20 km/h)
- ecospeedPRO (top speed 20, 30 or 40 km/h)
- \* 0 20 km/h in high-speed machines



#### Turtle: 0 - 15 km/h\*

Available with

- Hydrostat (top speed 20 km/h)
- ecospeedPRO (top speed 20, 30 or 40 km/h)



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

Available with

 ecospeedPRO (top speed 20, 30 or 40 km/h)

\*\* High-speed machines

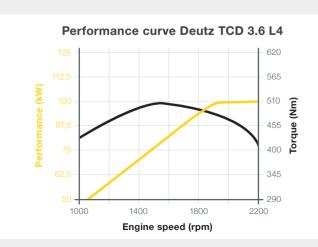
### **Powerful engines**

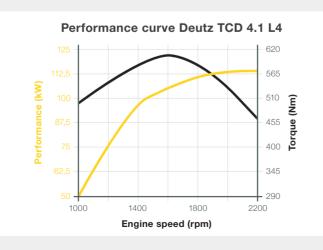
# For any application with reduced consumption

The 8155 / 8155L / 8145T is driven by a 100 kW powerful Deutz TCD 3.6 L4 engine of exhaust emission level IV or V (from January 2020). The exhaust after-treatment occurs via DOC and SCR (a DPF is optionally available). The still more efficient Deutz TCD 4.1 L4 with 115 kW is available as an option. The exhaust is treated with DOC, DPF and SCR.



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





# Kramer wheel loaders and telescopic wheel loaders at a glance

### **Intuitive**

- · spacious, ergonomic cabin
- all important information is summarised centrally on the 7" LCD display
- intuitive machine settings of all operating data through Jog dial control
- the rear-view camera image is shown directly on the display

### Comfortable

- ergonomically arranged operating elements the switches are marked by colour and grouped into functional groups
- all important switches are located in the immediate reach of the right hand
- excellent 360° all-round visibility because of the fully glazed cabin and an open glass roof
- convenient entry and exit are possible on both sides

### Intelligent

- thanks to Smart Loading, the attachment returns at the press of a button in a previously saved position, which makes quick working cycles possible
- Smart Driving reduces the engine speed automatically: the machine is preserved and you save fuel.
- maximum versatility due to three speed versions: 20, 30 and 40 km/h
- three forward and three reverse speed ranges

### **Versatile**

- All-wheel steering with 2 x 40° steering angle means smallest turning radius on smallest area
- the front wheel steering ensures safe driving on the road
- the crab steering enables parallel approach and moving away from obstacles
- different loader units and quickhitch systems make the machines versatile

### **Strong**

- high-torque and economical engines from Deutz
- the powerful load-sensing work hydraulics ensures quick working cycles
- accelerate from 0 40 km/h completely variably and without shifting and tractive force interruptions with the ecospeedPRO transmission
- the cooling system remains clean by the re-designed ventilation concept

### **Technical data**

Engine	Unit	8155	8155L	8145T		
Make	-	Deutz Deutz		Deutz		
Model/design system (optional)	-	TCD 3.6 L4 TCD 3.6 L4 (TCD 4.1 L4)		TCD 3.6 L4 (TCD 4.1 L4)		
Performance (optional)	kW	100 (115)	100 (115)	100 (115)		
Torque max. (Optional engine)	Nm at rpm	500 Nm at 1,600 rpm (609 Nm at 1,600 rpm)	500 Nm at 1,600 rpm (609 Nm at 1,600 rpm)	500 Nm at 1,600 rpm (609 Nm at 1,600 rpm)		
Displacement (optional)	cm <sup>3</sup>	3,621 (4,038)	3,621 (4,038)	3,621 (4,038)		
Exhaust emission level (LRC - Less Regulated Countries)	-	EU level IV / US EPA Tier 4 (EU level IIIA / US EPA Tier 3)	EU level IV / US EPA Tier 4 (EU level IIIA / US EPA Tier 3)	EU level V / US EPA Tier 4 (EU level IIIA / US EPA Tier 3)		
Exhaust after-treatment (Optional engine)	-	DOC + SCR (DOC + DPF + SCR)	DOC + SCR (DOC + DPF + SCR)	DOC + SCR (DOC + DPF + SCR)		
Power transmission	Unit					
Travel drive system	-	Automotive continuously variable, hydrostatic axial piston drive				
Speed (optional)	km/h	0-20 (0-30 / 0-40)		0-20 (0-30 / 0-40)		
Axles	-	Planetary steering axles				
Total oscillation angle	0	24	24	24		
Differential lock	%	100 % VA + 100 % HA 100 % VA + 100 % HA		100 % VA + 100 % HA		
Service brake	-	20 km/h: Hydraulic 1-circuit external power brake (VA, lamellas), also acting on the HA via the universal joint shaft.  30 & 40 km/h: Hydraulic 2-circuit external power brake (VA + HA, plates)				
Parking brake	-		-hydraulic, multi-disc spring-loade on the rear axle through universal	,		
Standard tyres	-		500/70R24 Michelin BIBLOAD			
Steering and work hydraulics	Unit					
Functionality	-	Hydrostatic all-wheel ste	eering, front wheel steering, crab steering properties	steering with emergency		
Steering pump	-		Gear pump via priority valve			
Steering cylinder	-	1 steering c	cylinder per axle / electronically sy	ynchronising		
Steering lock max.	0	2 x 40	2 x 40	2 x 40		
Work pump	-	Variak	ole displacement pump (Load-Se	ensing)		
Max. flow rate pump	rpm	150 l/min	150 l/min	150 l/min		
Max. flow rate pump optional	rpm	180 l/min	180 l/min	180 l/min		
Max. pressure	bar	250 bar	250 bar	250 bar		
Quickhitch system	-	Support as per ISO 23727 / hydraulic lock				

### **Technical data**

Kinematics	Unit	8155	8155L	8145T
Design system	-	PZ-kinematics	P-kinematics	Z-kinematics
Lift capacity	kN	65	68	50.0
Tearout force	kN	61.9	69.7	79.8
Lift/lower lift cylinder	s	6.3 / 5.7	6.6 / 4.1	6.0 / 4.0
Tilting tipping cylinder in (top / bottom position loader unit) // Tilting tipping cylinder out (top / bottom position loader unit)	s	2.4 / 1.9 // 4.0 / 0.8	2.7 / 1.2 // 2.7 / 1.4	3.7 / 1.8 // 1.7 / 0.8
Tilt-in / tilt-out angle	٥	45 / 45	48 / 45	43 / 40
Capacities	Unit			
Fuel/Hydraulic / DEF tank	I	140 / 125 / 12	140 / 125 / 12	140 / 125 / 12
Electrical system	Unit			
Operating voltage	V	12	12	12
Battery / alternator series TCD 3.6 L4	Ah/A	185 / 120	185 / 120	185 / 120
Battery / alternator with optional engine TCD 4.1 L4	Ah/A	185 / 150	185 / 150	185 / 150
Starter motor series TCD 3.6 L4	kW	3.2	3.2	3.2
Starter motor with optional engine TCD 4.1 L4	kW	4.0	4.0	4.0
Noise emissions*	Unit			
Measured value	dB(A)	101	101	101
Guaranteed value	dB(A)	103	103	103
Noise level at the operator's ear	dB(A)	70	70	70
Vibrations**	Unit			
Vibration total value of the upper body limbs	m/s²	< 2.5 m/s <sup>2</sup> (< 8.2 feet/s <sup>2</sup> )	< 2.5 m/s <sup>2</sup> (< 8.2 feet/s <sup>2</sup> )	< 2.5 m/s <sup>2</sup> (< 8.2 feet/s <sup>2</sup> )
Highest effective weighted acceleration value for the body	m/s²	< 0.5 m/s² (< 1.64 feet/s²)*** 1.28 m/s² (4.19 feet/s²)****	< 0.5 m/s² (< 1.64 feet/s²)*** 1.28 m/s² (4.19 feet/s²)****	< 0.5 m/s² (< 1.64 feet/s²)*** 1.28 m/s² (4.19 feet/s²)****

<sup>\*</sup> Information: The measurement occurs as per the requirements of the standard EN 474 and the directive 2000/14/EC. Measuring station: Paved surface.

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

<sup>\*\*\*</sup> On level and paved ground with appropriate driving style

<sup>\*\*\*\*</sup> Use in extraction under harsh environmental conditions

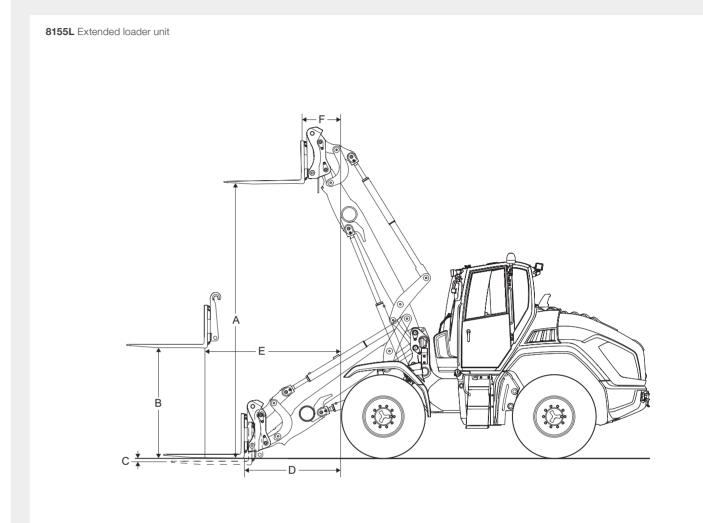
### **Technical data**

Standard loader unit	Unit	Standard with teeth	Standard without teeth	Light goods	Super light goods	Power grab bucket
		Proposition of the second				
Bucket	m³	1.55	1.60	2.05	2.90	1.46
Material density	t/m³	1.80	1.70	1.30	0.75	1.80
Overall length	mm	6,450	6,370	6,530	6,700	6,470
Bucket width	mm	2,500	2,500	2,500	2,500	2,525
Bucket swivel point	mm	3,760	3,760	3,760	3,760	3,760
Overhead loading height	mm	3,520	3,495	3,510	3,515	3,515
Dump height	mm	2,725	2,805	2,645	2,470	2,700
Dump reach	mm	1,085	970	1,150	1,320	1,134
Digging depth	mm	150	175	160	155	155
Operating weight	kg	9,850	9,930	9,880	9,950	10,090

Industrial loader unit	Unit	Standard with teeth	Standard without teeth	Light goods	Super light goods	Power grab bucket
		And the second				
Bucket	m³	1.35	1.40	1.75	2.45	1.25
Material density	t/m³	1.80	1.80	1.30	0.90	1.80
Overall length	mm	7,040	6,960	7,110	7,240	7,075
Bucket width	mm	2,500	2,500	2,500	2,500	2,525
Bucket swivel point	mm	4,200	4,200	4,200	4,200	4,200
Overhead loading height	mm	3,950	3,925	3,935	3,945	3,930
Dump height	mm	3,165	3,245	3,095	2,960	3,100
Dump reach	mm	1,275	1,160	1,320	1,460	3,310
Digging depth	mm	160	180	165	165	170
Operating weight	kg	10,500	10,580	10,530	10,600	10,740

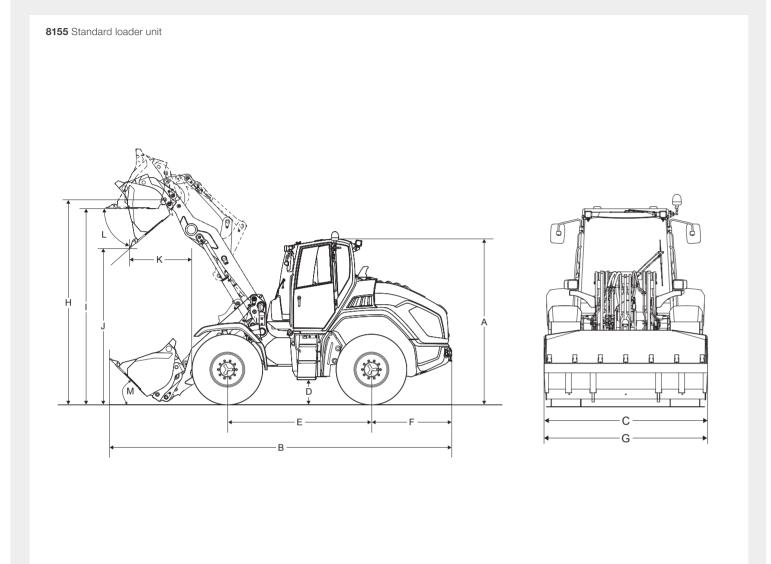
Telescopic loading system	Unit	Standard with teeth	Standard without teeth	Light goods	Super light goods	Power grab bucket
		Lange of the second				
Bucket	m³	1.45	1.50	2.05	2.90	1.35
Material density	t/m³	1.80	1.80	1.30	0.90	1.80
Overall length	mm	7,020	6,940	-	-	7,060
Bucket width	mm	2,500	2,500	2,500	2,500	2,525
Bucket swivel point (retracted and extended)	mm	4,285/5,425	4,285/5,425	5,425	5,425	4,285/5,425
Load-over height (retracted and extended)	mm	4,045/5,185	4,020/5,160	-	-	4,020/5,160
Dumping height (retracted and extended)	mm	3,330/4,470	3,445/4,585	-	-	3,270/4,410
Dumping width (retracted and extended)	mm	1,255/1,685	1,115/1,545	-	-	1,295/1,725
Digging depth (retracted and extended)	mm	150	189	-	-	180
Operating weight	kg	11,170	11,220	11,250	11,310	11,420

# **Technical data**



Pallet fork	s (loading centre 500 mm)	Unit	8155	8155L	8145T		
-	Width of fork carrier	mm	1,500	1,500	1,500		
-	Length of fork arms	mm	1,200	1,200	1,200		
-	Tipping load pallet forks	kg	5,250	4,870	4,870		
-	Stacking payload S=1.25	kg	4,200	3,900	3,900		
-	Stacking payload S=1.67	kg	3,140	2,900	2,900		
Α	Stacking height	mm	3,605	4,055	5,225		
В	Lift height, mast horizontal	mm	1,745	1,745	1,700		
С	Digging depth	mm	56	56	67		
D	Ground reach	mm	770	1,465	1,490		
Е	Range of mast horizontal	mm	1,580	2,090	2,030/3,215		
F	Range at max. height	mm	705	955	820/1,250		

### **Dimensions\***

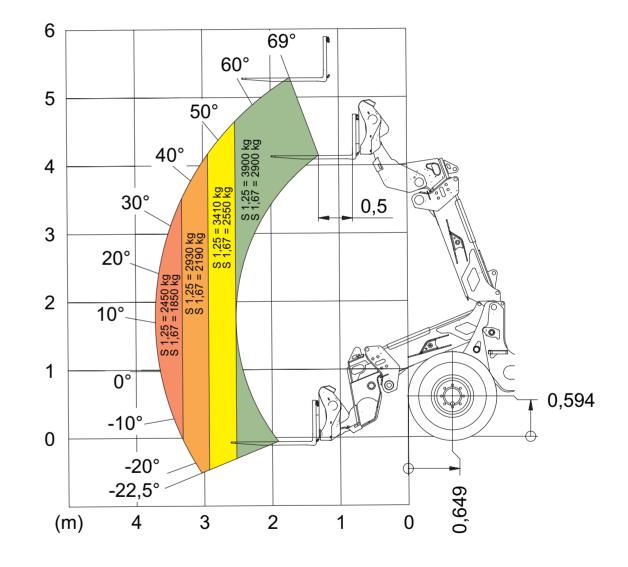


		Unit	8155	8155L	8145T
Α	Height	mm	3,010	3,010	3,010
В	Length	mm	6,450	7,040	7,020
С	Width	mm	2,500	2,500	2,500
D	Ground clearance	mm	445	445	445
E	Wheel base	mm	2,620	2,620	2,620
F	Centre of rear axle to end of vehicle	mm	1,520	1,520	1,520
G	Bucket width	mm	2,500	2,500	2,500
Н	Bucket swivel point	mm	3,760	4,200	5,420
I	Overhead loading height	mm	3,520	3,950	5,185
J	Dump height	mm	2,725	3,165	4,470
K	Dump reach	mm	1,085	1,275	1,655
L	Tip-out angle	0	45	45	40
М	Tipping angle	0	45	45	40
-	Turning radius (via tyres)	mm	3,865	3,865	3,865

<sup>\*</sup> Information: Dimensions relate to the standard equipment with standard bucket.

# **Load-bearing capacity diagram**

8145T Load-bearing capacity diagram (with LSP 500mm)



### www.kramer.de







Wheel loaders
Bucket capacity: 0.25 - 1.55 m³



Telescopic wheel loader Bucket capacity: 0.65 - 1.45 m<sup>3</sup>



**Telehandlers** Payload: 1,200 - 5,500 kg

#### Service that can be seen

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



Repair & maintenance



Academy



Telematics



Insurance



Spare parts



Financial solutions

