



KRAMER

on the safe side



STRONG PERFORMANCE, EASILY TRANSPORTED

THE COMPACT WHEEL LOADERS AND TELESCOPIC WHEEL
LOADERS 5035/5040/5045/5045T

DIMENSIONS

5035

TOTAL HEIGHT*
2,170 mm (standard), 2,020 mm (option 1),
2,125 mm (option 2 – upright),
1,740 mm (option 2 – folded down)

OVERALL WIDTH*
1,240 mm – 1,360 mm

ENGINE OUTPUT
18.5 kW

EXHAUST AFTER-TREATMENT
none

STACKING TIPPING LOAD**
1,189 kg

TRANSPORT WEIGHT***
1,700 kg



5040

TOTAL HEIGHT*
2,170 mm (standard), 2,020 mm (option 1),
2,125 mm (option 2 – upright),
1,740 mm (option 2 – folded down)

OVERALL WIDTH
1,240 mm – 1,360 mm

ENGINE OUTPUT
28.5 kW

EXHAUST AFTER-TREATMENT
DOC + DPF

STACKING TIPPING LOAD**
1,438 kg

TRANSPORT WEIGHT***
1,900 kg



5045/5045T

TOTAL HEIGHT*
5045: 2,260 mm (standard), 2,110 mm (option 1),
2,215 mm (option 2 – upright),
1,825 mm (option 2 – folded down)
5045T: 2,260 mm (standard),
2,110 mm (option 1)

OVERALL WIDTH*
5045: 1,320 mm – 1,595 mm
5045T: 1,320 mm – 1,595 mm

ENGINE OUTPUT
5045: 18.5 kW (standard), 33.3 kW (optional)
5045T: 33.3 kW

EXHAUST AFTER-TREATMENT
5045: none (standard), DOC + DPF (optional)
5045T: DOC + DPF

STACKING TIPPING LOAD**
5045: 1,865 kg **5045T:** 1,890 kg

TRANSPORTWEIGHT***
5045: 2,400 kg **5045T:** 3,050 kg



OUTPUT



TRANSPORT



* Depending on tyre or cab version (standard: Comfort cab, option 1: Low cab, option 2: Canopy foldable)

** Tipping load in transportation position: load centre of gravity 400 mm for 5035 and 5040, load centre of gravity 500 mm for 5045 and 5045T

*** Standard configurations without attachment and operator, with a full tank (weight varies depending on the equipment)

ON THE SAFE SIDE WITH KRAMER

Alongside the values of passion, skill and high-quality, Kramer first and foremost values safety. We build machines with the highest level of application safety and our customers consistently benefit from their investment. Our promise: honesty, reliability and value retention.



STRONG PERFORMANCE, EASILY TRANSPORTED

DISCOVER THE ALL-WHEEL WHEEL LOADERS AND TELESCOPIC WHEEL LOADERS IN THE 0.35 – 0.45 m³ CLASS

Compact dimensions, high performance efficiency and a low net weight make the machines all-rounders within this size class.

Machine highlights	6	Machine structure	8
Cab design		One-piece vehicle frame (chassis)	
Loader units		Steering modes	
Hydraulics		Comparison of steering systems	
Compact design	10	Mobility	12
Dimensions		Trailer transport	
Cab options		Drive system	
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Kinematics		Cab options	
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Hydraulics			
Smart Attach			
Smart Driving Pro			
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Engine types		Attachments	
Maintenance and Inspection		Tyre treads	
Technical Data	25		
Dimensions			



SCAN NOW
Discover the Kramer product portfolio

NOTE

- This symbol indicates functions that can have a positive impact on their resources, including money, staff and time.
- The marking with the machine designation indicates which machine is equipped with this feature.



5045

OPERATING AND POWER RATINGS	5035	5040
Engine output, standard/optional [kW]	18.5	28.5
Bucket volume [m ³]	0.35	0.36
Bucket tipping load [kg]	1,200	1,400
Stacking payload S=1.25 [kg]	750	900
Operating weight [kg]*	1,955 – 2,200	2,095 – 2,400

* Weight with a full tank + standard bucket + 75 kg operator (ISO 6016 + weight varies depending on the equipment)


OPERATING AND POWER RATINGS	5045	5045T
Engine output, standard/optional [kW]	18.5/33.3	33.3
Bucket volume [m ³]	0.45	0.45
Bucket tipping load [kg]	2,270	1,910
Stacking payload S=1.25 [kg]	1,310	1,240
Operating weight [kg]*	2,675 – 2,750	3,325 – 3,575

* Weight with a full tank + standard bucket + 75 kg operator (ISO 6016 + weight varies depending on the equipment)



MACHINE HIGHLIGHTS AT A GLANCE

EXTERNALLY STURDY AND INTERNALLY COMFORTABLE

1 QUICKHITCH SYSTEM STANDARD/SMART ATTACH (OPTIONAL) 

The quickhitch system from the larger wheel loaders is fitted as standard, ensuring that existing attachments can continue to be used. The fully hydraulic Smart Attach system is also available as an option.

5045/5045T

2 KINEMATIC SYSTEMS

Z-kinematics (5035, 5040, 5045T) for maximum lifting and thrusting forces, P-kinematics (5045) for precise parallel guidance with extreme loads.

5035/5040/5045/5045T

3 RANGE OF LOADER UNITS with standard or telescopic loader unit.

5035/5040/5045/5045T

4 FLEXIBLE IN APPLICATION 

with integrated 3rd control circuit and optional pressure release on the loader unit. The performance hydraulic system Highflow is available as an option.

5040/5045/5045T

5 UNBEATABLE PERFORMANCE VALUES

with compact dimensions, a low net weight and stacking tipping loads up to 1,865 kg for the 5045.

5035/5040/5045/5045T

6 360° VISIBILITY thanks to the extensive glazing and narrow cabin rails.

5035/5040/5045/5045T

7 UP TO THREE CAB HEIGHTS for maximum comfort, maximum compactness or maximum flexibility. The optional foldable canopy is only available for models 5035, 5040 and 5045.

5035/5040/5045/5045T

8 QUICKHITCH SYSTEM The hydraulic quickhitch system with strong locating pins is compact and designed for hard applications.


5035/5040/5045/5045T

9 COMFORTABLE CAB due to the ergonomic layout of operator's controls. The cab is reached comfortably and safely using a wide step and a door, which can be secured to the rear.


5035/5040/5045/5045T

10 POWERFUL ENGINES with high-power delivery and low noise levels.

5035/5040/5045/5045T

11 EASILY TRANSPORTED  The machine and its attachments can be quickly transported with a 3.5 t trailer or 7.5 t lorry.

5035/5040/5045/5045T

12 SMART DRIVING PRO (OPTIONAL)  Three operating modes PWR, ECO and CSD can be selected at the press of a button to support the operator in any application.

5040/5045/5045T

13 VARIABLE DRIVE SYSTEM  for sensitive work and high pushing power. 30 km/h variant optionally available for the 5040, 5045 and 5045T.

5035/5040/5045/5045T

14 EXCELLENT TRACTION via a selectable differential lock – optional on the 5035 and 5040, standard on the 5045 and 5045T.

5035/5040/5045/5045T

15 DIVERSE TYRE OPTIONS for a wide range of application areas, including wide tyres.

5035/5040/5045/5045T

16 THREE TYPES OF STEERING Unique steering system with all-wheel (standard), crab steering (optional) and front wheel steering (optional).

5035/5040/5045/5045T



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. Thanks to the proven one-piece vehicle frame, the wheel loaders are impressive with the following three features:

HIGH LEVEL OF STABILITY

A shift in the centre of gravity is prevented with a full steering lock and also on uneven terrain.

CONSTANT PAYLOAD

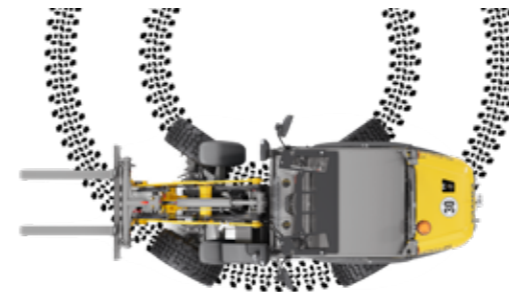
Due to the one-piece frame, there is constant leverage that makes working safe in all load situations. In the process, the payload always stays the same, independent of the steering angle.

GREAT MANOEUVRABILITY

The all-wheel steering and the steering angle of 38° on the front and rear axle provide a high degree of manoeuvrability. Some steering manoeuvres therefore become unnecessary, resulting in shorter cycle times.

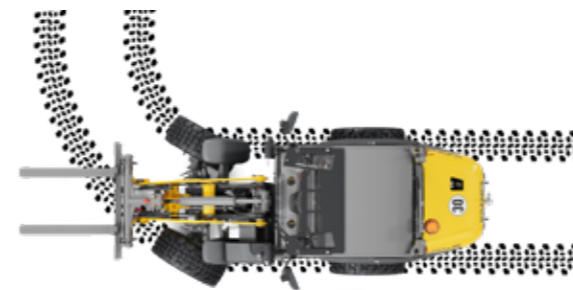
FLEXIBILITY IN USE

THE RIGHT STEERING TYPE FOR EACH AND EVERY APPLICATION



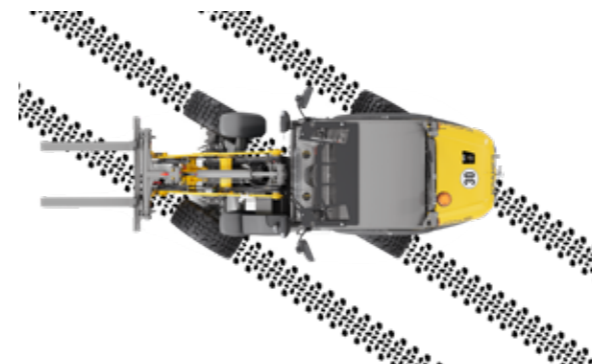
ALL-WHEEL STEERING (STANDARD)

- 2 x 38° steering angle on the front and rear axle ensure quick work processes
- Optimised routes
- Maximum manoeuvrability



FRONT WHEEL STEERING (OPTIONAL)

- Safe and familiar road travel up to 30 km/h*
- Familiar steering system
- Ideal for trailer operation



CRAB STEERING (OPTIONAL)

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

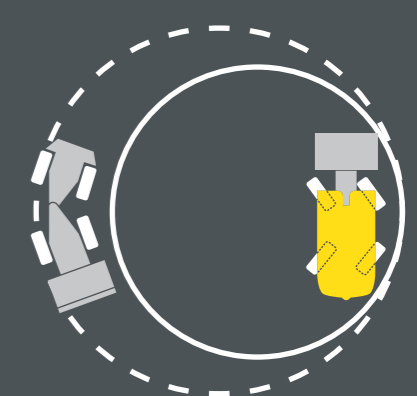
* For the models 5040, 5045 and 5045T

ALL-WHEEL AND ARTICULATED STEERING IN COMPARISON

With the all-wheel steering, the turning circle is much smaller compared to the articulated steering. This is achieved by the steering lock on the front and rear axle, while only the front and rear carriage moves with the articulated steering.

○ ALL-WHEEL STEERING

⌋ ARTICULATED STEERING (other makes)





MAXIMUM COMPACTNESS MINIMAL DIMENSIONS

The compact wheel loaders and telescopic wheel loaders by Kramer are among the most versatile machines for everyday work and are irreplaceable companions. Due to their narrow and low design, the machines are also in demand where large machines cannot fit. The optimal relationship between the application weight and the payload ensures unaffected viability and efficiency.

TOTAL LENGTH*

5035: 4,050 mm
5045: 4,550 mm

5040: 4,090 mm
5045T: 4,880 mm

TOTAL HEIGHT**

5035:
2,170 mm (standard)
2,020 mm (option 1)
2,125 mm (option 2 – upright)
1,740 mm (option 2 – folded down)

5040:
2,170 mm (standard)
2,020 mm (option 1)
2,125 mm (option 2 – upright)
1,740 mm (option 2 – folded down)

5045:
2,260 mm (standard)
2,110 mm (option 1)
2,215 mm (option 2 – upright)
1,825 mm (option 2 – folded down)

5045T:
2,260 mm (standard)
2,110 mm (option 1)

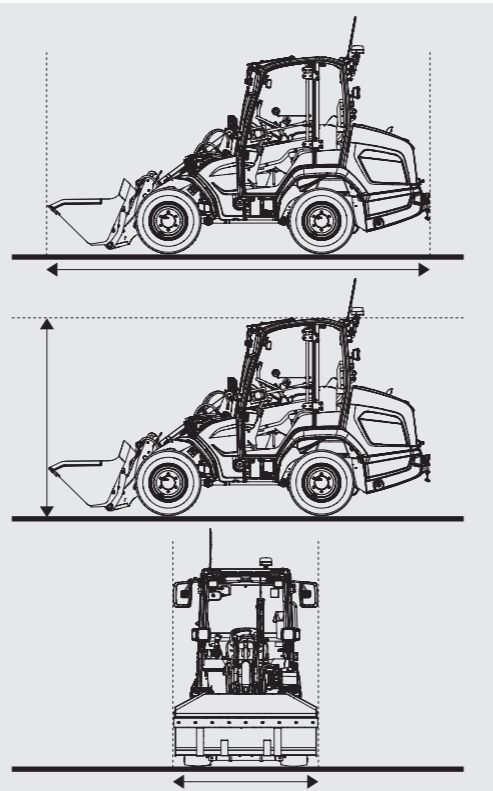
OVERALL WIDTH**

5035: 1,240 mm – 1,360 mm
5045: 1,320 mm – 1,595 mm

5040: 1,240 mm – 1,360 mm
5045T: 1,320 mm – 1,595 mm

* With standard attachment

** Depending on the type of tyres



UP TO THREE CAB OPTIONS FOR DIFFERENT REQUIREMENTS



COMFORT CAB (STANDARD)

Ergonomic, comfortable and functional – the spacious cab with its large glazed areas provides ample headroom and freedom of movement, ensuring efficient work even during long shifts.

- Extensive glazing for excellent 360° visibility
- Plenty of headroom and freedom of movement
- Spacious interior
- Comfortable access with steps
- Fully opening window



LOW CAB (OPTION 1)

Specially developed for low clearance heights – despite its low-profile design, it offers ergonomic comfort and excellent 360° visibility thanks to an identical construction to the comfort cab.

- Ideal for low clearance heights
- Broad application range
- Comfortable and ergonomic work despite reduced total height
- Optimal 360° visibility



CANOPY FOLDABLE (OPTION 2)

The open design ensures unrestricted 360° visibility and is ideal for short, frequent tasks. The foldable canopy combines safety, functionality and maximum flexibility.

- Ideal for extremely low clearance heights
- Unrestricted view
- Reliable sun protection
- Efficient work
- Maximum range of applications

* Not available for 5045T



TRANSPORT
OF ADDITIONAL
ATTACHMENTS POSSIBLE

EASILY TRANSPORTED LOW NET WEIGHT



Thanks to the combination of low net weight and an extreme payload, it is possible to transport the machines from site to site both easily and quickly. This not only saves money, but also increases the machine's output and therefore also increases the daily work output. To do this, both 3.5 t trailers (toll free) and 7.5 t lorries can be used. It is also possible to transport pallet forks and a bucket. When transporting on a lorry, the total height remains below 4 m.

TRAILER TRANSPORT	5035	5040	5045	5045T
3.5 t trailer*	x	x	x	-
7.5 t lorry*	x	x	x	x
Transport weight [kg]**	1,700 (without attachment)	1,900 (without attachment)	2,400 (without attachment)	3,050 (without attachment)
Operating weight [kg]***	1,955 – 2,200	2,095 – 2,400	2,675 – 2,750	3,325 – 3,575

x = PERMISSIBLE

* Can deviate depending on the towing vehicle model and equipment, as well as the machine's equipment

** Basic equipment without attachment, without operator, full tank (weight varies depending on equipment)

*** Weight with a full tank + standard bucket + 75 kg operator weight (ISO 6016 + weight varies depending on equipment)

ON THE MOVE FROM A TO B STEPLESS EFFICIENCY



The 5035 and 5040 feature a unique drive system with four wheel hub motors. The 5045 and 5045T feature a central drive system with a cardan shaft. Both drive systems ensure powerful, stepless handling with a travel speed of 0–20 km/h. The wheel loaders 5040, 5045 and 5045T can be optionally equipped with the 30 km/h version.



The illustrated operational scene shows travel according to the road travel regulations (StVO).

- Stepless power transmission
- Sensitive positioning of the machine when handling pallets
- High level of productivity because no stopping is required to change travel speeds
- Fast machine relocation with the 30 km/h option

BENEFITS OF THE DRIVE SYSTEM AT A GLANCE

HIGH PERFORMANCE EFFICIENCY EASY TO WORK WITH HEAVY LOADS

Two different kinematic systems are available for compact and telescopic wheel loaders. Both systems are meticulously designed, delivering impressive performance with heavy loads across a wide variety of applications.



5035 **5040** **5045T**

Z-KINEMATICS

The loader units of models 5035, 5040 and 5045T feature a high-strength, torsion-resistant box section. The steep design of the loading frame provides the ideal conditions for demanding and heavy-duty bucket applications.

- Maximum power when working
- High force during tipping movements – quick tilting in and tipping out
- Compact design for optimal visibility
- Robust and durable technology for low repair costs
- High breakout torque on the tipping cylinder

5045

P-KINEMATICS

The specially shaped loader unit on the 5045 has a low link point, enabling maximum lift capacities and tipping loads. Precise parallel lifting allows heavy loads – such as stone pallets – to be positioned with accuracy.

- Safe loading, unloading and transport of heavy loads (e.g. stone pallets)
- Optimum view to the front of the attachment across the entire lifting range
- Safe and precise guidance of the attachments
- Large tipping angle – no loss of material
- Large dump angle – bucket is completely emptied

KINEMATICS	5035	5040	5045	5045T
Design	Z-kinematics	Z-kinematics	P-kinematics	Z-kinematics
Lifting force calculation according to ISO 14397-2 hydraulic [kN]	11.5	15.8	23.5	21.2
Lifting force calculation according to ISO 14397-2 hydraulic [kN]	12.2	13.3	28.3	31

REACHING NEW HEIGHTS WITH THE TELESCOPIC LOADER UNIT GREATER POSSIBILITIES

5045T

The 5045T is a high-performance telescopic wheel loader that sets new standards with its additional reach, stacking and dumping height. The telescoping loader unit reaches greater heights and distances effortlessly, safely and precisely. This ensures maximum versatility, increasing both productivity and long-term cost-effectiveness.

+39% STACKING HEIGHT

+40% LOAD-OVER HEIGHT

+50% DUMPING HEIGHT



POWERFUL Z-KINEMATICS

impressive with their high payloads at maximum reach range and lift height

ROBUST DESIGN

through the use of high-strength and torsion-resistance box sections

OPTIMAL OVERVIEW

through generously proportioned glazing

MAXIMUM VERSATILITY

with optional Highflow hydraulics

SMART HANDLING – THE TWO FUNCTIONAL MODES EXPLAINED



BUCKET MODE

When lowering the loader unit, the telescopic arm is automatically retracted. This keeps the load as close to the vehicle as possible and avoids creating critical situations, even with maximum payloads. The bucket mode is ideal for loading bulk materials.



MANUAL MODE

In manual mode, the machine does not perform any automatic loader unit movements. The overload indicator signals an overload and stops the loader unit as soon as the overload limit is reached. From this point on, only retracting the telescope, dumping the bucket and – depending on the position of the loader unit – lifting or lowering are possible.



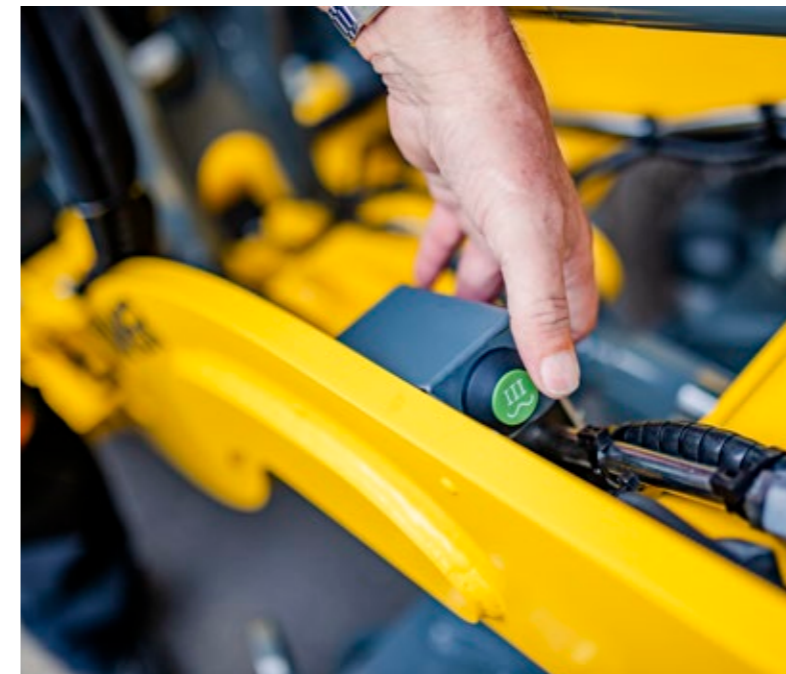
POWERFUL HYDRAULICS MANY APPLICATION POSSIBILITIES

CONNECTIBLE
DIFFERENTIAL LOCK FOR
DIFFICULT APPLICATION
CONDITIONS

Connect and disconnect the most varied attachments, sensitive control, quick working cycles – and all of this with a low noise level in the cab.

THE BENEFITS OF WORKING HYDRAULICS AT A GLANCE

- Convenient operation of attachments, even with several hydraulic functions via the joystick
- Pressure release of 3rd control circuit
- Fully hydraulic quick change plate Smart Attach (5045 and 5045T)
- Increased power for hydraulic attachments through Highflow
- Front diverter valve for 3rd control circuit
- Rear diverter valve for 3rd control circuit



PRESSURE RELEASE OF 3RD CONTROL CIRCUIT



The button for optional pressure release of the 3rd control circuit is fitted to the loader unit. As a result, hydraulic attachments can also be changed quickly and efficiently without having to switch off the engine.



LOAD STABILISER

The load stabiliser reduces vibrations of the loader unit, providing optimal comfort for both the operator and the machine. The load stabiliser automatically activates or deactivates at a speed of 5 km/h or 7 km/h. Additionally, the load stabiliser can be permanently enabled or disabled for certain applications.

5040

5045

5045T

CONCEPT SOLUTION FOR SYSTEM CARRIER	5035	5040	5045	5045T
Flow rate of 3rd control circuit [l/min]*	20	30	33/38**	37
Rear control circuit [l/min]*	–	–	39	39
Highflow performance hydraulics [l/min]*	–	60	64	71

* Max. pump values

** With optional engine 33.3 kW

HIGHFLOW

The optional Highflow is equipped for attachments with increased hydraulic output requirements, for example a snow blower or a mulcher. The hydraulic connections are in a compact design on the left-hand side of the loader unit and ensure a perfect view of the attachment. For the 5045, Highflow is only available with the 33.3 kW engine.

SMART ATTACH

MORE PRODUCTIVITY AND SAFETY 

5045

5045T

The 5035 and 5040 models are equipped with the hydraulic Kramer quick change plate as standard. The 5045 and 5045T are equipped with the quick change plate from the next size up in wheel models, enabling the unrestricted use of existing attachments from larger models.

The Smart Attach fully hydraulic quickhitch system is optionally available for the 5045 and 5045T. This enhances safety as it eliminates the need for the operator to exit the cab for coupling, reducing time and costs through faster attachment changes.

SIMPLE OPERATION

Hydraulic attachments are comfortably and safely coupled from the cab, without the operator having to mount or dismount the machine.

FAST CHANGEOVER

without manual coupling of the hoses for hydraulic attachments.

CONSTANT PERFORMANCE

for loading, stacking and dumping heights, as well as stacking payload and bucket tipping load.

FUNCTIONAL SAFETY

Problem-free coupling of attachments, even when exposed in direct sunlight and severe pressure.

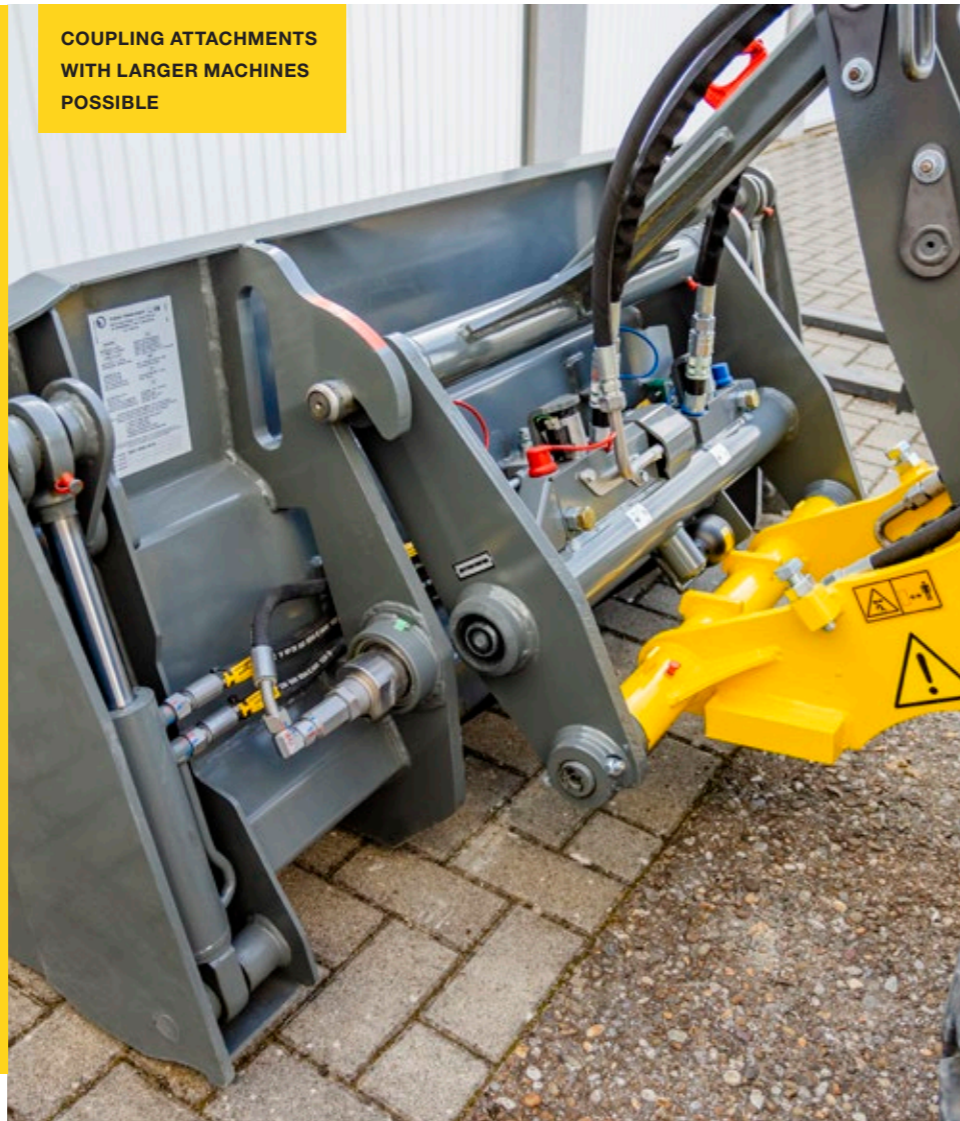
CE-COMPLIANCE

for the machine and attachments.

ENVIRONMENTALLY FRIENDLY

thanks to the prevention of oil leaks when coupling hydraulic attachments.

COUPLING ATTACHMENTS
WITH LARGER MACHINES
POSSIBLE



EXAMPLE CALCULATION

Every attachment changeover with Smart Attach saves 2.5 minutes when compared with a standard Kramer quickhitch system.	x	10 coupling processes/day	
	x	220 working days	
	x	€30/h	
=			€2,750/year



SCAN NOW
Learn more about
Smart Attach
www.kramer.de/smartattach



SMART DRIVING PRO

THREE OPERATING MODES, FULL POWER 

The right operational setting can be selected for every application. No matter whether driving on the road, working with the sweeper or material handling; the operating modes provide the operator with the option to actively influence how the machine should drive. The application can therefore be performed in the best-possible way, cost-effectively and efficiently.

5040

5045

5045T



POWER

- Load-independent travel
- Maximum performance
- Versatile application
- Designed for bucket applications

ECO

- Low output demand
- Noise reduction for the operator
- Fuel saving
- For road travel with reduced rpm up to 30 km/h
- For easy stacking operations and handling of bulk materials

CSD

- Low-speed control and hand throttle
- Rpm and travel speed can be set independently of one another
- Optimal coordination between machine and attachment
- Simple and comfortable operation
- Fatigue-free work over longer periods of time
- For operations with road sweepers, snow blowers or mulchers



TECHNICAL HIGHLIGHTS

SIMPLE OPERATION – INNOVATIVE CABIN DESIGN



EASY CAB ACCESS

The wide entrance with a step and handles ensures for a comfortable and safe entry and exit for the operator:

- cab door lockable at 180 degrees
- comfortable access at full steering lock
- two grab handles and large access step
- sufficient space above the centre tunnel
- spacious footwell
- and much more



ADJUSTABLE STEERING COLUMN

The optional incline-adjustable steering column can be adapted to the operator's needs:

- adjustable to every operator's size
- comfortable and fatigue-free work
- incline-adjustable display
- and much more

EVERYTHING UNDER CONTROL INSIDE

EVERYTHING IN VIEW OUTSIDE

The innovative cabin design provides the additional benefits of comfort and ease of operation. Extensive glazing combined with narrow cab pillars ensure excellent 360° visibility. The low and comfort cabs are also optionally available. A foldable canopy version is also available for the 5035, 5040 and 5045.

UP TO THREE CAB OPTIONS

For maximum compactness, maximum comfort or maximum flexibility.

360° ALL-ROUND VISIBILITY

Narrow cab pillars and extensive glazing (excluding canopy) ensure an excellent view of the attachment and work area.



Two cab designs compared: low and comfort cab.



ERGONOMIC CONTROL ELEMENTS

The most important control elements and switches are ergonomically arranged and colour labelled. All important switches are located within reach of the right hand:

- joystick
- drive modes
- steering mode adjustment
- heater and ventilation
- and much more



CLEANING HATCH

The cleaning hatch is on the right side of the cab and fastened with a gas strut:

- easy cleaning of the cab floor
- easy access to the cabin air filter and main control equipment
- and much more



POWERFUL ENGINES FOR EVERY APPLICATION

The 5035 and 5045 models are powered by an 18.5 kW Yanmar engine that requires no exhaust after-treatment. The 5040 is equipped with a Yanmar 28.5 kW engine. A 33.3 kW Yanmar engine is fitted as standard on the 5045T and is available as an option for the 5045. For these engine variants, exhaust after-treatment is managed via a DOC and DPF system.

EASY AND FREELY ACCESSIBLE

- for daily monitoring and maintenance works
- no dismantling of components required

WIDE-OPENING ENGINE HOOD

- for renowned Kramer comfort
- tilting of operator platform not required
- good accessibility from four sides (above, rear, right and left)

SERVICE AND MAINTENANCE ACCESSIBILITY FOR 18.5 KW ENGINE



SERVICE AND MAINTENANCE ACCESSIBILITY FOR 33.3 KW ENGINE














EQUIPCARE – TELEMATICS

The EquipCare telematics module is installed as standard on all Kramer vehicles. The module provides data and facts about your machine, which you can easily view via the Manager or an app.



SCAN NOW
You can find additional information here
www.kramer.de/equipcare

PRODUCT RANGE OF ATTACHMENTS

PALLET FORKS 	PALLET FORKS folding 	PALLET FORKS hydraulic parallel adjustment 	STANDARD BUCKET with digging teeth 
STANDARD BUCKET without digging teeth 	STANDARD BUCKET without digging teeth, with bolt-on cutting edge 	BULK MATERIALS BUCKET 	GRAB BUCKET with digging teeth 
GRAB BUCKET without digging teeth 	MULTI-PURPOSE BUCKET 5035, 5040 	MULTI-PURPOSE BUCKET 5045, 5045T 	

TYRE PRODUCT RANGE

UNIVERSAL TREAD	MUNICIPAL TREAD	TRACTION TREAD
		
<ul style="list-style-type: none"> good self-cleaning good sidewall protection high running performance 	<ul style="list-style-type: none"> good winter serviceability high running performance noise-optimised for use on and off of the road 	<ul style="list-style-type: none"> good tracking high level of driving safety good self-cleaning high running performance

VEHICLE	Tyre designations	Tyre tread	Tyre width [mm]	Vehicle width [mm]
5035/5040	Mitas TS-05 10.0/75-15.3	Traction tread	264	1,292
	BKT SkidPower HD 27x10.5-15	Universal tread	268	1,256
	Continental MPT81 315/55R16	Municipal tread	302	1,360
5040/5045T	BKT AS 504 10.0/75 15.3 ET55	Traction tread	264	1,319
	BKT Skid Power 10.0-16.5	Universal tread	270	1,335
	Continental MPT81 315/55R16 ET40	Municipal tread	302	1,407
	BKT TR313 31x15.5-15	Traction tread	370	1,555
	BKT Skidpower 31x15.5-15*	Universal tread	400	1,585

* Change in vehicle height

Choosing the right tyres is crucial when it comes to using your wheel loader. Tyres are available in different widths. Exact specifications and availabilities of attachments and tyres vary by model and country. Your competent Kramer dealer will be happy to help you.

TECHNICAL DATA

WEIGHT	5035	5040	5045	5045T
Operating weight [kg]*	1,955 – 2,200	2,095 – 2,400	2,675 – 2,750	3,325 – 3,575
Transport weight [kg]**	1,700	1,900	2,400	3,050
Approved trailer load [kg]***	750/1,750	750/1,750	750/3,500	750/3,500

ENGINE	5035	5040	5045	5045T
Make	Yanmar	Yanmar	Yanmar	Yanmar
Type/model standard	3TNV82A	3TNV86CT	3TNV82A	3TNV86CHT
Type/model optional	–	–	3TNV86CHT	–
Output, standard [kW]	18.5	28.5 (DOC + DPF)	18.5	33.3 (DOC + DPF)
Output, option [kW]	–	–	33.3 (DOC + DPF)	–
Max. torque standard [Nm at rpm]	85.5 at 1,500	132.2 at 1,690	85.5 at 1,500	148 at 1,690
Max. torque optional [Nm at rpm]	–	–	148 at 1,690	–
Displacement, standard [cm ³]	1,331	1,568	1,331	1,568
Displacement, option [cm ³]	–	–	1,568	–
Exhaust emission stage	EU Stage V	EU Stage V	EU Stage V	EU Stage V

POWER TRANSMISSION	5035	5040	5045	5045T
Drive system	Variably controlled axial piston pumps			
Max. speed, standard [km/h]	20	20	20	20
Maximum speed, option [km/h]	–	30	30	30
Axles	Cast steel axle carrier with wheel hub motors		planetary steering axle	
Total oscillating angle [°]	±7	±7	±6	±6
Differential lock, standard [%]	–	–	100% front axle	100% front axle
Differential lock, optional [%]	Hydraulic differential compensation		–	
Service brake	Hydrostatic	Hydrostatic	Hydraulic disc brake	Hydraulic disc brake
Parking brake	Spring-applied multi-disc braking system, electro-hydraulically controlled to the rear axle		Mechanical disc brake	Mechanical disc brake
Standard tyres	27x10.5-15	27x10.5-15	10.0/75-15.3	10.0/75-15.3

STEERING AND WORK HYDRAULICS	5035	5040	5045	5045T
Steering functionality	Hydrostatic all-wheel steering with emergency steering properties			
Functioning of work hydraulics	Gear pump			
Steering cylinder	One steering cylinder per axle carrier		One steering cylinder per axle	
Max. steering angle [°]	38	38	38	38
Flow rate on 3rd control circuit, standard [l/min]	20	30	33/38****	37
Highflow performance hydraulics, option [l/min]	–	56	64	71
Max. pressure [bar]	240	240	240	240
Quickhitch system	Kramer HV/WL – S	Kramer HV/WL – S	Kramer HV/WL – C	Kramer HV/WL – C
Pilot control	Mechanical			
Pilot control of 3rd control circuit	electro-hydraulic			

* Weight with a full tank + standard bucket + 75 kg operator weight (ISO 6016 + weight varies depending on equipment)

** Basic equipment without attachment, without operator, full tank (weight varies depending on equipment)

*** Maximum trailer load. Can vary depending on trailer coupling and attachment

**** With optional engine 33.3 kW

TECHNICAL DATA

KINEMATICS	5035	5040	5045	5045T
Design	Z-kinematics	Z-kinematics	P-kinematics	Z-kinematics
Lifting force calculation according to ISO 14397-2 hydraulic [kN]	11.5	15.8	23.5	21.2
Lifting force calculation according to ISO 14397-2 hydraulic [kN]	12.2	13.3	28.3	31
Lift/lower lift cylinder [s]	6.0/4.5	6.0/4.5	4.4/2.3	6.4/4.5
Tilt in/tilt out tilt cylinder (upper position of the loader unit) [s]	2.4/3.3	2.2/2.4	2.7/3.5	3.0/3.1
Tilt-back and dump angle [°]	43/40	43/40	45/45	40/40
Bucket tipping load [kg]	1,200	1,400	2,270	1,910
Stacking payload S=1.25 [kg]	750	900	1,310	1,240

CAPACITIES				
Fuel tank, standard [l]	48	48	56	56
Hydraulic oil tank [l]	40	40	19	19

ELECTRICAL SYSTEM				
Operating voltage [V]	12	12	12	12
Battery/alternator Standard engine [Ah/A]	74/55	74/55	74/55	74/80
Battery/alternator Optional engine [Ah/A]	-	-	74/80	-
Starter motor Standard [kW]	1.7	1.7	1.7	1.7

NOISE EMISSIONS****				
Measured value Standard engine [dB(A)]	99	99	96.9	99.1
Measured value Optional engine [dB(A)]	-	-	99.1	-
Guaranteed value Standard engine [dB(A)]	101	101	101	101
Guaranteed value Optional engine [dB(A)]	-	-	101	-
Noise level at the operator's ear Standard engine [dB(A)]	80	80	76	77
Noise level at the operator's ear Optional engine [dB(A)]	-	-	77	-

VIBRATIONS*****	
Hand-arm vibration total value [m/s ²]	< 2.5 m/s ² (< 8.2 feet/s ²)
Whole-body vibration total value [m/s ²]	< 0.5 m/s ² (< 1.64 feet/s ²)***** 1.28 m/s ² (4.19 feet/s ²)*****

**** Information: measurements are carried out in accordance with the requirements of the standard EN 474 and the directive 2000/14/EC. Measuring place: asphalt surface.
***** Measurement uncertainties as specified in ISO/TR 25398:2006. Please instruct or inform the operator of possible dangers caused by vibrations.
***** On level, paved surfaces subject to appropriate driving style
***** For use in extraction in harsh environmental conditions

TECHNICAL DATA

5035 STANDARD LOADER UNIT	STANDARD with digging teeth	BULK MATERIAL	BULK MATERIAL	GRAB with digging teeth
				
Bucket capacity [m ³]	0.35	0.45	0.50	0.23
Material density [t/m ³]	1.80	1.20	1.00	1.80
Overall length of attachment [mm]	780	840	880	677
Overall length with attachment (transport position) [mm]	4,050	4,100	4,120	4,090
Bucket width [mm]	1,250	1,250	1,400	1,400
Bucket pivot point [mm]	2,800	2,800	2,800	2,800
Load-over height [mm]	2,680	2,680	2,670	2,600
Dumping height [mm]	2,290	2,190	2,170	2,240
Dumping range [mm]	260	370	380	200
Digging depth [mm]	60	60	70	140
Attachment weight [kg]	113	129	153	189

5040 STANDARD LOADER UNIT	STANDARD with digging teeth	BULK MATERIAL	BULK MATERIAL	GRAB with digging teeth
				
Bucket capacity [m ³]	0.36	0.45	0.50	0.23
Material density [t/m ³]	1.80	1.40	1.20	1.80
Overall length of attachment [mm]	829	840	880	677
Overall length with attachment (transport position) [mm]	4,090	4,100	4,120	4,090
Bucket width [mm]	1,400	1,250	1,400	1,400
Bucket pivot point [mm]	2,800	2,800	2,800	2,800
Load-over height [mm]	2,680	2,680	2,670	2,600
Dumping height [mm]	2,260	2,190	2,170	2,240
Dumping range [mm]	290	370	380	200
Digging depth [mm]	60	60	70	140
Attachment weight [kg]	129	129	153	189


TECHNICAL DATA

5045 STANDARD LOADER UNIT	STANDARD with digging teeth	BULK MATERIAL	BULK MATERIAL	GRAB with digging teeth
				
Bucket capacity [m³]	0.45	0.55	0.80	0.35
Material density [t/m³]	1.80	1.80	1.20	1.80
Overall length of attachment [mm]	947/897*	808	969	876/820*
Overall length with attachment (transport position) [mm]	4,550/4,520*	4,460	4,570	4,510/4,470*
Bucket width [mm]	1,350/1,650*	1,650	1,850	1,350/1,650*
Bucket pivot point [mm]	2,520	2,520	2,520	2,520
Load-over height [mm]	2,350	2,340	2,340	2,350
Dumping height [mm]	1,830/1,870*	1,800	1,690	1,840/1,930*
Dumping range [mm]	240/200*	250	360	230/120*
Digging depth [mm]	50	65	65	50
Attachment weight [kg]	201/215*	236	292	285/315*

5045T TELESCOPIC LOADER UNIT	STANDARD with digging teeth	BULK MATERIAL	BULK MATERIAL	GRAB with digging teeth
				
Bucket capacity [m³]	0.45	0.55	0.80	0.35
Material density [t/m³]	1.80	1.40	1.00	1.80
Overall length of attachment [mm]	947/897*	808	969	876/820*
Overall length with attachment (transport position) [mm]	4,880/4,840*	4,780	4,900	4,840/4,790*
Bucket width [mm]	1,350/1,650*	1,650	1,850	1,350/1,650*
Bucket pivot point retracted/extended [mm]	3,134/3,888	3,134/3,888	3,134/3,888	3,134/3,888
Load-over height retracted/extended [mm]	2,910/3,670	2,900/3,650	2,900/3,650	2,910/3,670
Dumping height retracted/extended [mm]	2,420/3,170	2,390/3,140	2,280/3,040	2,420/3,180 2,520*/3,270*
Dumping range retracted/extended [mm]	540/910	550/920	670/1,040	530/900 430*/800*
Digging depth [mm]	55	75	75	55
Attachment weight [kg]	201/215*	236	292	285/315*

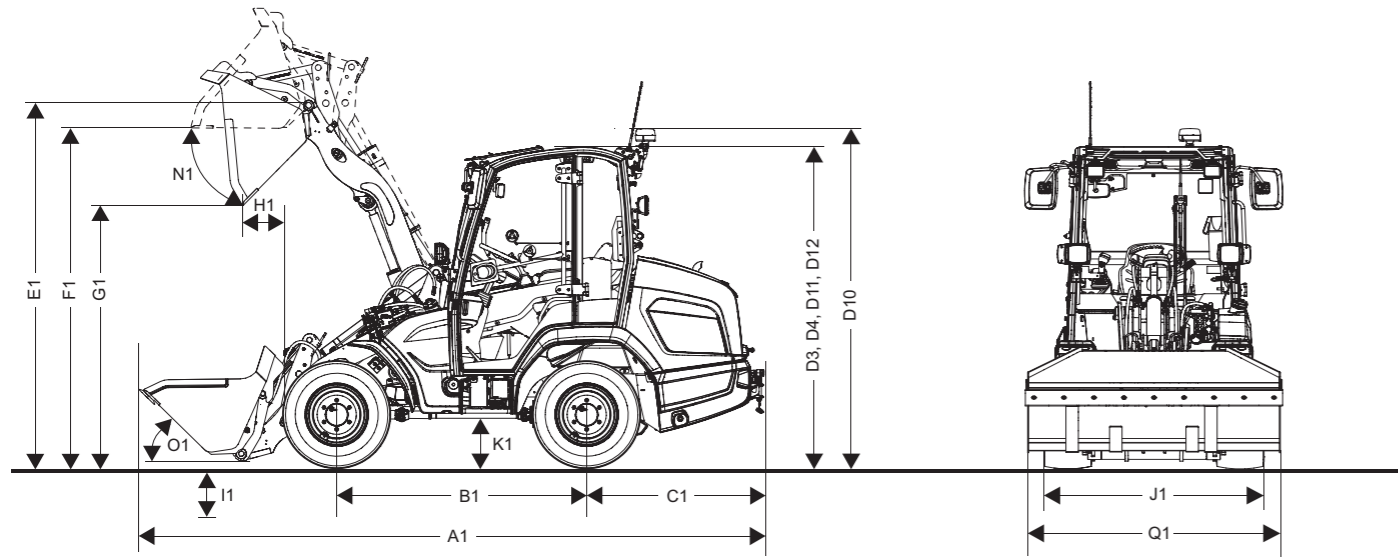
* Values: bucket width 1,650 mm

TECHNICAL DATA

PALLET FORKS	5035	5040	5045	5045T
				
Load centre [mm]	400	400	500	500
Fork carriage width [mm]	1,000	1,000	1,200	1,200
Length of fork tines [mm]	800	800	1,000	1,000
Tipping load with pallet fork [kg]	930	1,125	1,640	1,550
Stacking payload S=1.25 [kg]	750	900	1,310	1,240
Stacking payload S=1.67 [kg]	560	670	980	925
Stacking height [mm]	2,630	2,630	2,420	3,020/3,770
Lift height of horizontal lift frame [mm]	1,290	1,290	1,020	1,360
Digging depth [mm]	100	100	45	0
Reach at ground level [mm]*	480	480	440	620
Horizontal reach of lift frame [mm]*	960	960	760	1,090/1,920
Reach at max. height [mm]*	10	10	-60	250/620

* Reference: back of fork

TECHNICAL DATA

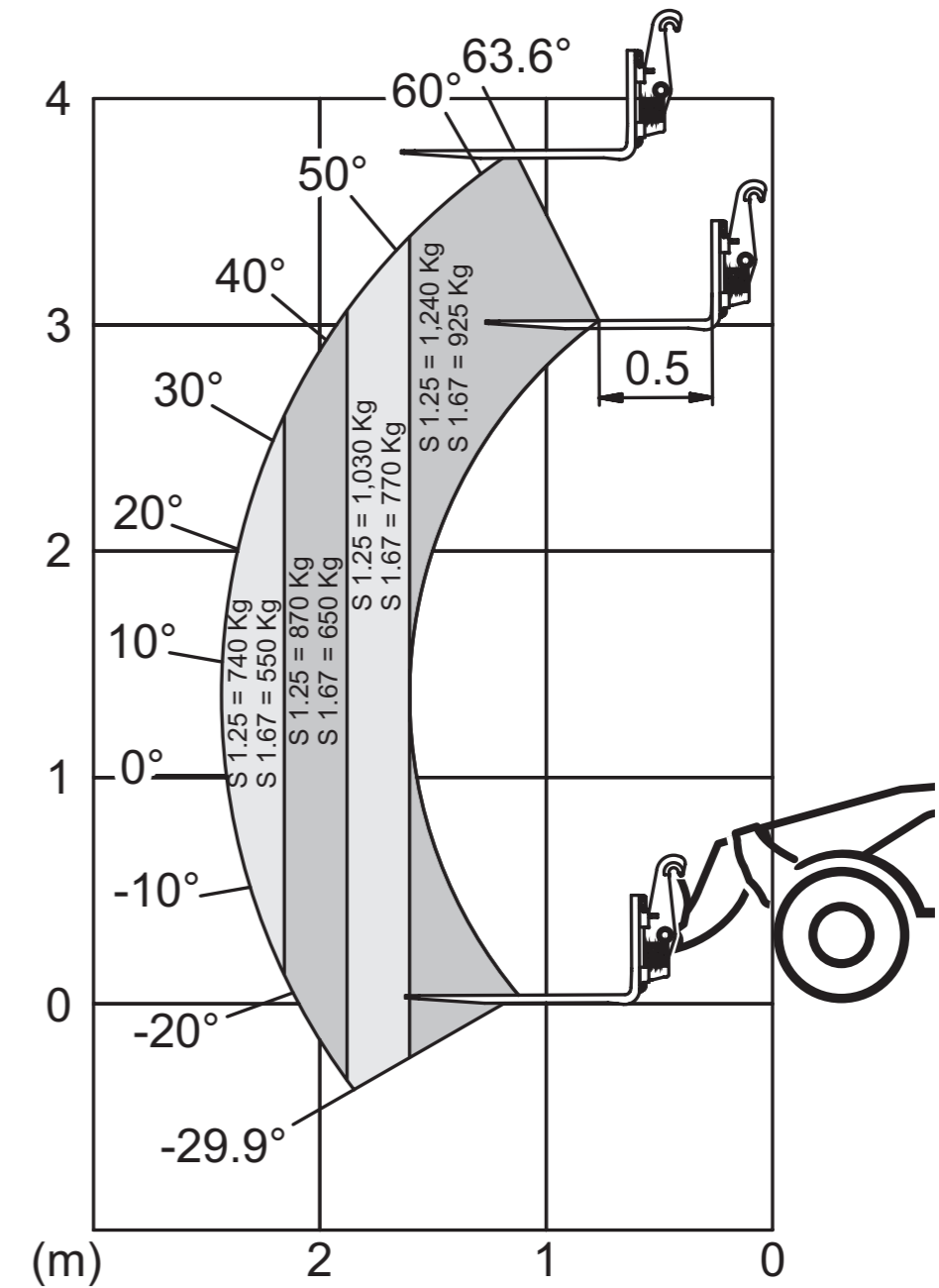


DIMENSIONS		5035	5040	5045	5045T
A1	Total length with standard attachment [mm]	4,050	4,090	4,550	4,880
B1	Wheel base (centre) [mm]	1,525	1,525	1,760	1,860
C1	Rear overhang [mm]	1,140	1,140	1,215	1,215
D3	Height with cab [mm]*	2,170	2,170	2,260	2,260
D4	Height with low-profile cab [mm]*	2,020	2,020	2,110	2,110
D10	Total cab height with rotating beacon [mm]*	2,490	2,490	2,390	2,390
D11	Height with folding canopy, upright [mm]	2,125	2,125	2,215	-
D12	Height with folding canopy, lowered [mm]	1,740	1,740	1,825	-
E1	Bucket pin point [mm]	2,800	2,800	2,520	3,134/3,888
F1	Load-over height [mm]	2,680	2,680	2,350	2,910/3,670
G1	Dumping height [mm]	2,290	2,260	1,830	2,420/3,170
H1	Dumping range [mm]	2,060	2,090	240	540/910
I1	Digging depth [mm]	60	60	50	55
J1	Total width [mm]*	1,240 – 1,360	1,240 – 1,360	1,320 – 1,595	1,320 – 1,595
K1	Ground clearance [mm]	220	220	230	230
L1	Turning radius of outer edge of wheels [mm]	2,000	2,000	2,330	2,430
N1	Dumping angle at max. lift height [°]	40	40	45	40
O1	Tipping angle to the ground [°]	43	43	45	40
Q1	Bucket width [mm]	1,250	1,250	1,350	1,350
R1	Stacking height [mm]	2,630	2,630	2,420	3,020/3,770

* Depending on the type of tyres
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TECHNICAL DATA

5045T
LOAD-BEARING CAPACITY DIAGRAM: WITH LSP 500 MM, KRAMER QUICKHITCH SYSTEM AND STANDARD PALLET FORKS





KRAMER
on the safe side



WHEEL LOADERS

Bucket capacity: 0.35 – 1.80 m³



TELESCOPIC WHEEL LOADERS

Bucket capacity: 0.45 – 1.45 m³



TELEHANDLERS

Payload: 1,450 – 5,500 kg

Kramer-Werke GmbH

Wacker Neuson Straße 1
88630 Pfullendorf
Germany
Phone: +49 (0) 7552 92 88 0
Fax: +49 (0) 7552 92 88 234

info@kramer.de
www.kramer.de



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