



KRAMER
on the safe side

Wheel and tele wheeled loaders

5075, 5085, 5095, 5085T



Rooted service providers.

Wheel loaders and tele wheeled loaders of the 5-series.

With their particularly compact dimensions, the 5-series wheel loaders from Kramer open up a wide range of applications in all areas of the construction industry. The efficient machines impress with their dynamic all-wheel drive, high payload, unbeatable manoeuvrability and low operating weight.



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.

Sophisticated machines – from the beginning.

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 5-series



5075

Bucket capacity: 0,75 m³



5085

0,85 m³



5095

Bucket capacity: 0,95 m³



The tele wheeled loader of the 5-series

5085T

0,85 m³

Externally sturdy.
Internally intelligent.

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

Gentle retraction and extension thanks to the final position dampening at each end of travel.

Comfort cab with extensive glazing for the best all-round visibility and fatigue-free working.

Excellent performance characteristics with compact dimensions and a low net weight.

The hydraulically activated quick-hitch system makes the Kramer an all-rounder in seconds without leaving the operator's seat. Efficient work with a parallel-guided loading system with P-kinematics for wheel loaders and with Z-kinematics for the tele wheeled loader.

Flexible in application with a third control circuit, unpressurised reverse travel with a leakage oil line, front plug receptacle and attachment parts for the work platform.*

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

Three types of steering to meet every requirement.

Powerful engines with high power delivery and low noise levels.

Variable drive system optionally up to 30 km/h for sensitive working and high tractive forces.

Excellent traction thanks to 100% connectable differential lock.

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

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

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

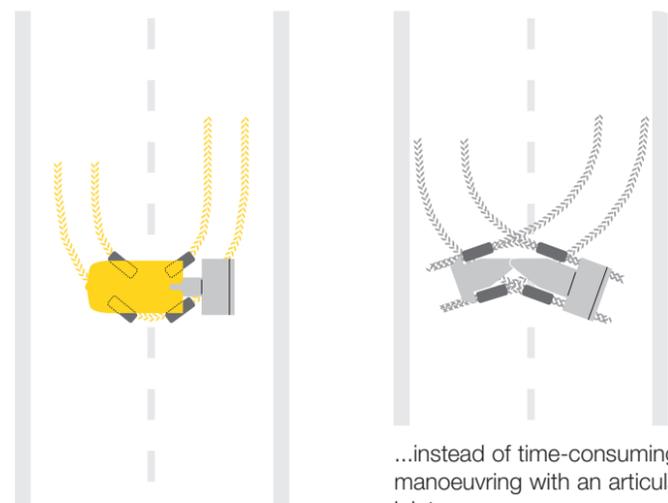
Outstanding manoeuvrability. Extreme stability. Constant payload.

Safe and efficient working guaranteed to you in every situation by using the wheel and tele wheeled loaders from Kramer.

However, safety for Kramer covers many other aspects. The proven quality ensures a high investment security – you can always rely on a Kramer.



Turning made easy with all-wheel steering...

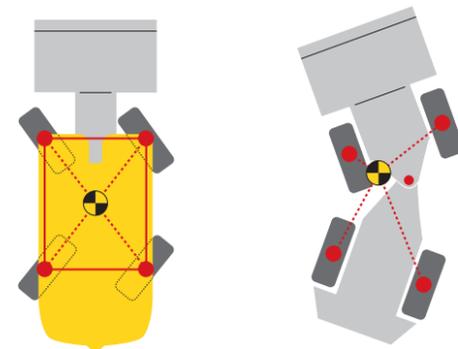


...instead of time-consuming manoeuvring with an articulated joint.

Outstanding manoeuvrability

The all-wheel steering and the steering lock of 40 degrees on each axle allow you a high degree of manoeuvrability. This makes many manoeuvres superfluous and shortens traversing and cycle times.

Undivided chassis for a high level of stability...



...without a shift in the centre of gravity.

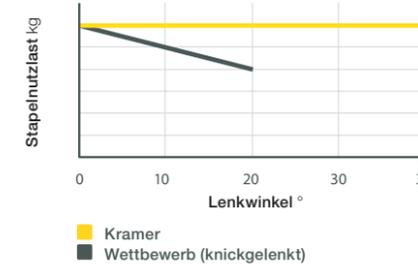
High stability

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

Constant leverage for constant payload



Constant payload



Constant payload

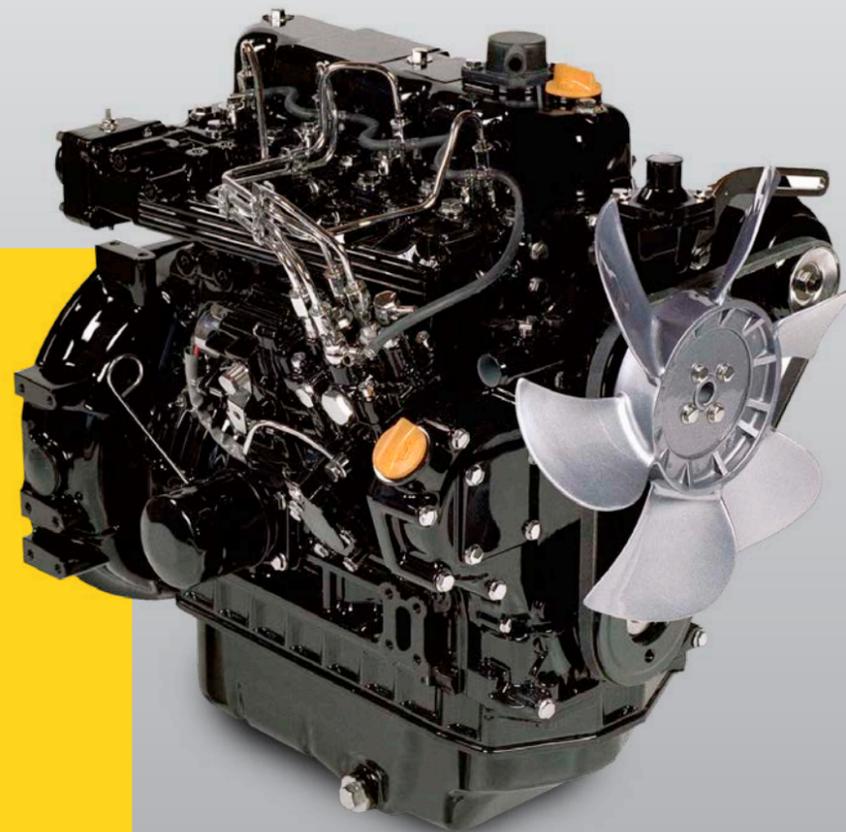
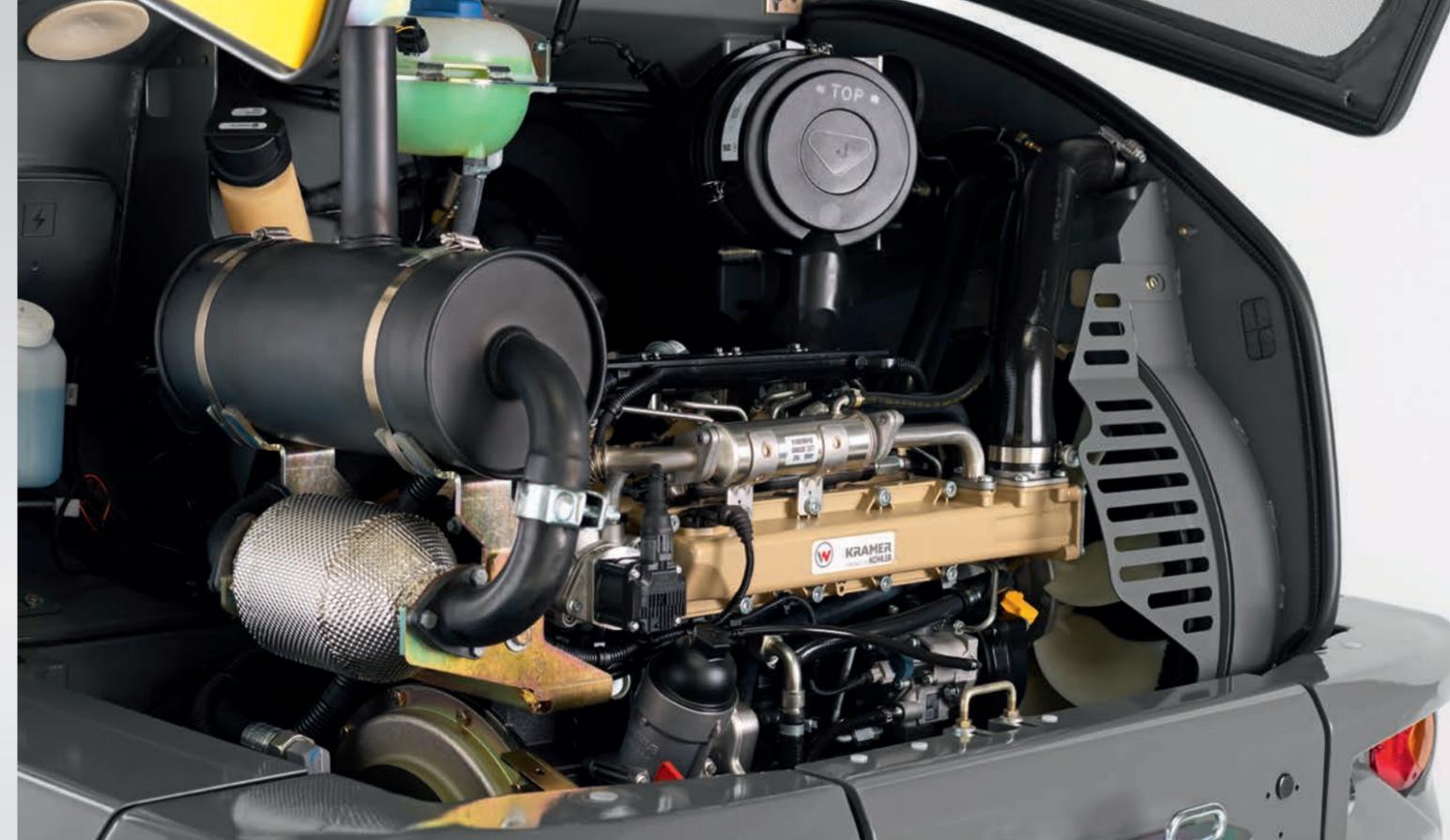
The undivided chassis prevents the clearance between the counterweight and loading system from changing. The result: Constant leverage that makes working safe in all load situations. In the process, the payload always stays the same, regardless of the steering angle.

- 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.

More performance, less exhaust emissions.

The engine concept of the 5-series convinces through high performance efficiency and the latest exhaust emission technology. The 55 kW Kohler engines in the models 5085 (optional), 5095 and 5085T meet the requirements of exhaust emission level IIIB and are outfitted with a diesel oxidation catalytic converter (DOC) as a standard. With 300 Nm torque, they provide the highest performance. At the same time, however, the service and maintenance costs are kept low due to the completely maintenance-free DOC system.

The two wheel loaders 5075 and 5085 are fitted with a 35 kW engine from Yanmar and they fall into the exhaust emission level IIIA. The power-adjusted engine version of the machines provides lower operating and purchase costs. This is made possible by the lightweight design of both Kramer models, which is difficult to implement without the typical all-wheel steering. Time-tested and proven technology is used that does not require any type of exhaust after-treatment.



Yanmar 4TNV88

Level IIIA for 5075 and 5085:

- Electronically controlled drive system
- High-pressure drive system instead of medium-pressure drive system of the previous model
- Low purchase cost due to the power-adjusted engine version
- Simple time-tested and proven installed technology
- No exhaust after-treatment or exhaust gas recirculation necessary
- Excellent power to weight ratio thanks to Kramer's design

Kohler KDI 2504 TCR

Level IIIB for 5085, 5095 and 5085T:

- Electronically controlled drive system
- High-pressure drive system instead of medium-pressure drive system of the previous model
- No regeneration times
- No additional maintenance costs due to exhaust after-treatment
- Reduced fuel consumption
- Reduced operating costs
- Manufacturer's warranty 4 years/4000 h



Stable in ground conditions. 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 the go as well as on construction sites.

Our wheel loaders 5085 (with 55 kw), 5095 and 5085T are also optionally available with a 30 km/h transmission. This allows you to save time on the road, which you can then use on site.

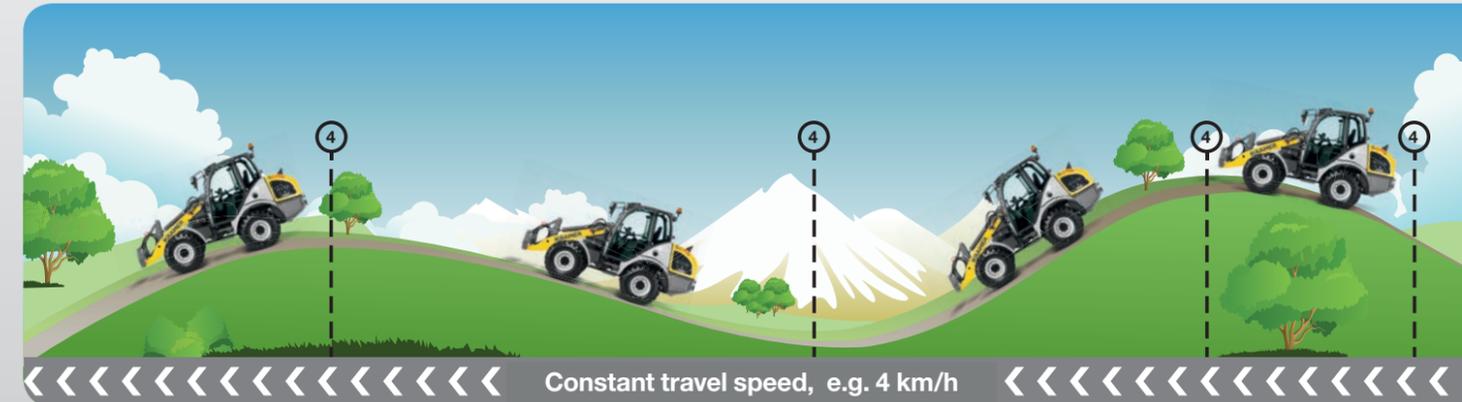


100% connectable differential lock
Soaked soils, wet or snow: Wheel and tele wheeled loaders also stand their ground on challenging sub-surfaces thanks to the 100% connectable differential lock, which provides an even distribution of the drive force to all four wheels.

Maximum power output – also during road travel to the working site.



**constant
speed
drive**



When using attachments that, for example, are operated at a constant high RPM, but at the same time with a very low travel speed (e.g. a sweeper), the specifications can be realised simultaneously by the creep speed controller in conjunction with the hand throttle.

There is no speed and rev. control via the foot pedals, which relieves the burden on the operator.



The **all-wheel steering** is particularly manoeuvrable due to its 2x40-degree steering angle.

The **front wheel steering** offers conventional driving behaviour, for example when driving on a road.

Crab steering is ideal for parallel movement and manoeuvring in confined spaces, e.g. when clearing industrial buildings.

Top performance of the drive system:

- Maximum traction and pushing force in all driving and working situations
- Sensitive, modern electronically controlled drive system
- Constant Speed Drive (CSD) with memory function
- 100% connectable differential lock for constant maximum traction

Tractor approval is a plus point. And **new**: the trailer coupling.

The trailer coupling in conjunction with a tractor approval makes every wheel loader and tele wheeled loader the perfect towing vehicle, thus offering you maximum flexibility. Take advantage of these advantages now with the Kramer 5-series! Because Kramer now also has a trailer coupling in the product range for these machines.



Attractive duo: Trailer coupling in combination with a trailer.



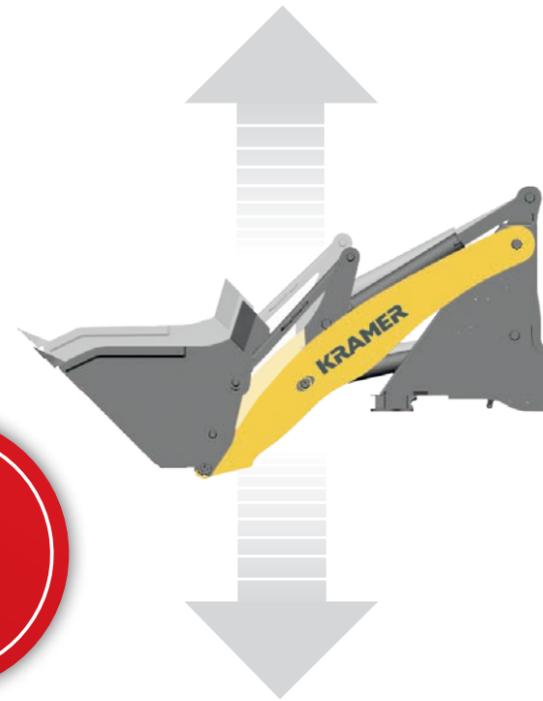
Maximum permissible trailer loads

| | BALL COUPLING | | DRAWBAR COUPLING WITH BOLT | |
|---------------------|--------------------------|------------------------|----------------------------|------------------------|
| | Trailer load unbraked kg | Trailer load braked kg | Trailer load unbraked kg | Trailer load braked kg |
| S075 | 750 | 3.500 | – | – |
| S085 | 750 | 3.500 | – | – |
| S085 (55 kw) | 750 | 3.500 | 750 | 8.000 |
| S095 | 750 | 3.500 | 750 | 8.000 |
| S085T | 750 | 3.500 | 750 | 8.000 |

- Top performance of the trailer coupling:**
- Up to 8 t 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.

Vollautomatischer Laststabilisator



NEW

High load-carrying capacity.
Easy to place loads at any height.

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.

Convincing in bucket operation

The sophisticated combination of special Kramer bucket shape, high bucket apron, long bottom as well as the 50-degree tilt back and 45-degree tilt forward angles, ensures safe working, even with a full bucket.

Protects man and machine: The fully automatic load stabiliser dampens oscillations of the loader unit and/or the load, thus ensuring higher travel speeds, as well as 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 application areas of your machine.



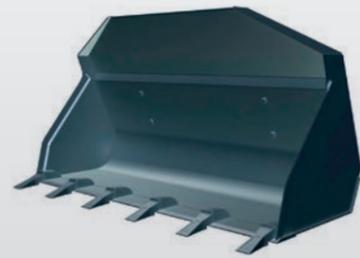
Top-Performance of the loading system:

- Fully automatic load stabiliser for more driving comfort and safety
- P-kinematics for precise parallel guidance of the load across the entire lift 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

* 5085T has Z-kinematics with parallel guidance

Sensitive control. Tackle jobs powerfully.

Connect and disconnect attachments within seconds, sensitive control, quick work cycles and all of this with low noise levels in the cab. The technology of the work hydraulics of our machines makes this possible.



1

Standard bucket:
With and without ripper teeth for specific bulk density of 1,8 t/m³.



2

Light materials bucket and super light goods bucket:
For specific bulk density from 1,3 to 0,9 t/m³.



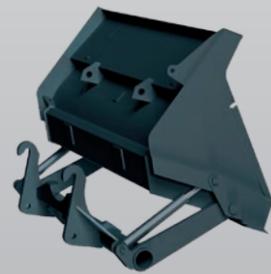
3

Power grab bucket:
For grabbing, metered spreading, planing and screeding. With and without ripper teeth for specific bulk density of 1,8 t/m³



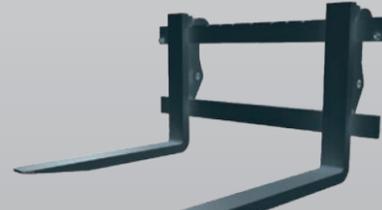
4

Side tilt bucket:
For metered filling and backfilling.



5

High tip bucket:
For even greater overhead loading heights and dumping width.



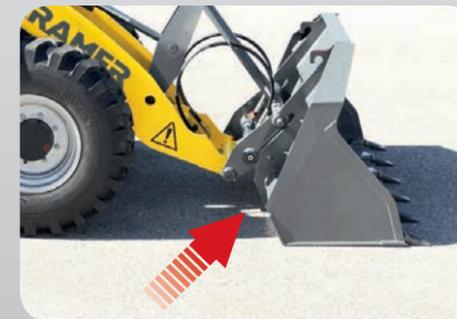
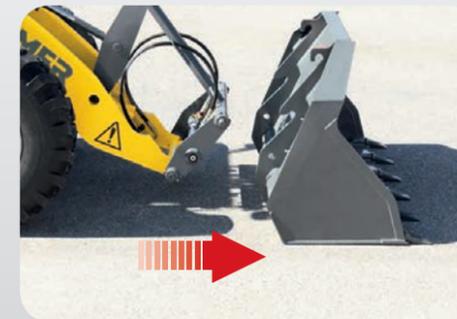
6

Stacker:
Available with tine lengths from 1.0 to 1.2 metres, also with a hydraulically activated side thrust.

Other auxiliary devices per inquiry.

Top performance of the quick-hitch system:

- Lock outside of the dirty area to ensure a long service life of the hydraulic components and low wear
- More safety on the construction site due to two-hand operation (no undesired release)
- Quick tool exchange



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 slide on the joystick.



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

5075

Everything under control inside. Everything in view outside.

Kramer's newly designed cab is unique in this size class of machines. It is characterised by maximum comfort, optimal ergonomics and functionality in every detail.

The powerful heater and optional* air-conditioning system ensures comfortable work conditions at all times.

The joystick was also adopted from the time-tested and proven 80-series and ensures a safe and intuitive operation. The colour-coded keypad in the cabin also provide a high degree of clarity.

* For 5095 and 5085T

Colour-coding on the keypad: four colours for even more safety.

| | |
|-------------------|--------------------------|
| Safety | Driving |
| Hydraulics | Electrical system |



Very spacious and perfect visibility to all sides.

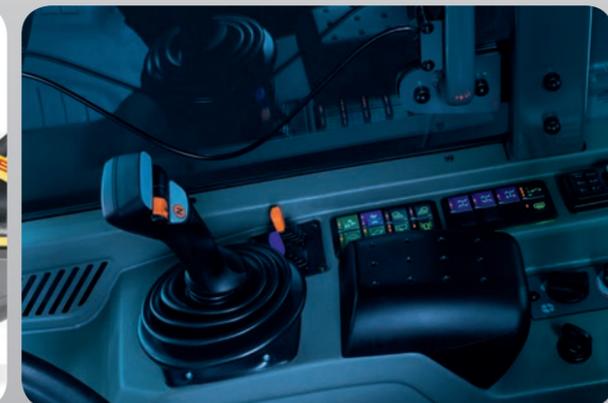
Top performance of the cabin:

- Intuitive operation of the all-in-one joystick
- 3rd control circuit with proportional technology
- Keypad colour-coded by functions for intuitive operation
- Powerful heater, window ventilation and heating nozzles in the footwell
- Fully integrated optional air-conditioning system**
- Windscreen wipers with an interval switch for good visibility at all times
- Due to the suspended pedals, the cabin floor can be easily cleaned, thus ensuring a high level of safety when driving

** For 5095 and 5085T



Safe entry:
due to the wide step-like entry



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 mechanically, pilot-operated joystick.

Simple maintenance. Rapid service.

We know that every minute of application count 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 so that all maintenance points are conveniently accessible.

Kramer telematics:

Optionally, you can do well in terms of maintenance with the telematics.

Functions:

Simple data access in real time

The GSM/GPS unit installed on the machine collects operating data in real time, which can be displayed directly online on the Trackunit Manager.

User-friendly monitoring

The Trackunit Manager is user-friendly and intuitive. It offers a range of simple tools that you can use to easily and efficiently track, monitor and manage your machines and fleet.

Adaptable and expandable

You can individually design your Trackunit Manager so that it precisely corresponds to your data and information needs. It can be expanded with additional functions if you modify your needs or your business grows.

Download reports

You can schedule and download a large selection of management reports. In this way, you simplify procedures and make sound strategic decisions.

Maximum transparency

The Trackunit Managers offer you complete transparency of your entire fleet. You can see the current location of each vehicle as well as the movement on a digital map.

Preventative alarm features

The integrated alarm module helps you to protect your high quality investment in the machinery and fleet against theft and unauthorised use.

Optimised maintenance

The Trackunit Manager helps you to optimise maintenance procedures. This leads to less downtime.

Top performance with maintenance and service:

- Quick maintenance due to good 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.



Noise level **5075 / 5085**

SOUND POWER LEVEL

| | | |
|--|---|-----|
| Measured value | - | 100 |
| Guaranteed value | - | 101 |
| Noise level at the driver's ear in the cab | - | 74 |

Noise Level **5085 / 5095 / 5085T**

SOUND POWER LEVEL

| | | |
|--|---|-----|
| Measured value | - | 100 |
| Guaranteed value | - | 101 |
| Noise level at the driver's ear in the cab | - | 78 |

VIBRATIONS

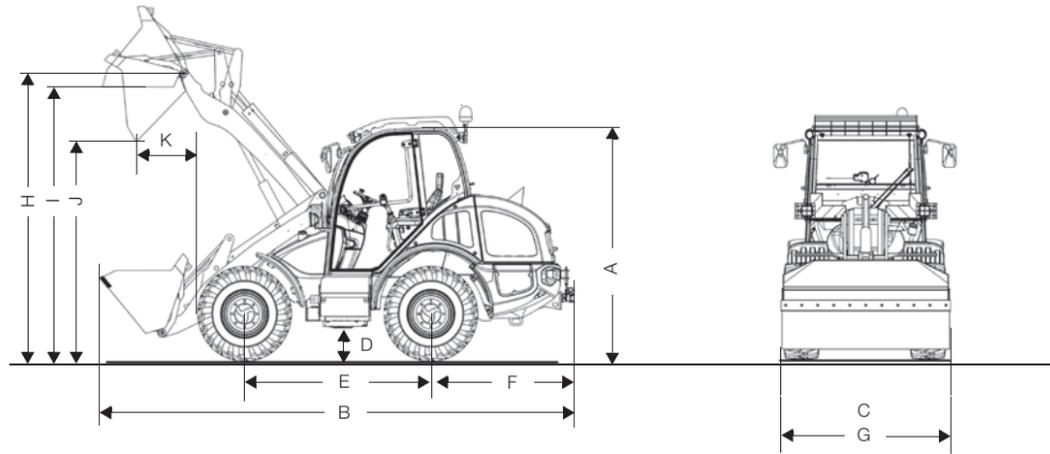
| | | |
|---|-----------------------|-----------------------|
| Vibration total value of the upper body extremity | < 2,5 $\frac{m}{s^2}$ | < 2,5 $\frac{m}{s^2}$ |
| Highest effective value of weighted acceleration for the body | < 0,5 $\frac{m}{s^2}$ | < 0,5 $\frac{m}{s^2}$ |

Engine
(YANMAR, 4TNV 88) db(A)

Engine
(KOHLER, KDI 2504 TCR) db(A)

| | 5075 | 5085 | 5095 | 5085T |
|---|---|-----------------------------|----------------------------|----------------------------|
| OPERATING AND PERFORMANCE DATA | | | | |
| Bucket content (standard bucket) m ³ | 0,75 | 0,85 | 0,95 | 0,85 |
| Operating weight (standard equipment) kg | 4100 | 4450/4750 | 4800 | 5500 |
| Quick-hitch system | hydraulic | hydraulic | hydraulic | hydraulic |
| ENGINE | | | | |
| Type | Yanmar | Yanmar/ Kohler | Kohler | Kohler |
| Type/ Model | 4TNV88 | 4TNV88/ KDI 2504 TCR | KDI 2504 TCR | KDI 2504 TCR |
| Power output kW | 35 | 35/55,4 | 55,4 | 55,4 |
| Max. torque Nm at rpm/min | 140 at 1400 | 140 at 1400/ 300 at 1500 | 300 at 1500 | 300 at 1500 |
| Displacement cm ³ | 2190 | 2190/ 2482 | 2482 | 2482 |
| Exhaust emission stage | IIIA | IIIA/ IIIB | IIIB | IIIB |
| Emissions | Tested and certified according to 97/68EC*2012/46EC | | | |
| POWER TRANSMISSION | | | | |
| Drive unit | continuously variable hydrostatic axial-piston gearbox | | | |
| Travel speed km/h | 20 (series) | 20 (series) 30 (option) | 20 (series) 30 (option) | 20 (series) 30 (option) |
| Axles | Planetary steering axles | | | |
| Total oscillating angle ° | 22 | 22 | 22 | 22 |
| Differential lock | 100% FA | 100% FA | 100% FA | 100% FA |
| Service brake | hydraulic disc brake | | | |
| Parking brake | mechanical disc brake | | | |
| Standard tyres | 12.5-18 | 12.5-18 / 12.5-20 | 12.5-20 | 12.5-20 |
| 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 synchronisation | | | |
| Max. steering lock ° | 2 x 40 | | | |
| Work pump | Gear pump | | | |
| Flow rate (pump) max. l/min | 52 | 58/70 | 70 | 70 |
| Pressure max. bar | 210 | 210/240 | 240 | 240 |
| KINEMATICS | | | | |
| Design system | P-kinematics | P-kinematics | P-kinematics | Z-kinematics |
| Lifting force/ shearing force kM | 28,9/28,6 | 36,8/35,4 (42,8/40,7) | 42,8/41,1 | 31/49 |
| Raise/ lower lift cylinder s | 5,0/3,0 | 6,0/4,0 (5,5/4,0) | 5,5/4,0 | 5,5/3,7 |
| Tipping cylinder fill shovel/empty shovel s | 2,5/3,0 | 2,4/2,6 (2,5/2,5) | 2,5/2,5 | 2,6/3,5 |
| Tilt-in and tilt-out angle ° | 50/45 | 50/45 | 50/45 | 40/40 |
| Tipping load (standard bucket) kg | 3150 | 3300/3650 | 3700 | 3150 |
| Tipping load (stack) kg | 2375 | 2500/2687,5 | 2875 | 2500 |
| Payload S=1.25 (stacker) kg | 1900 | 2000/2150 | 2300 | 2000 |
| Payload S=1.67 (stacker) kg | 1400 | 1450/1600 | 1700 | 1500 |
| Digging depth mm | 50 | 70/60 | 60 | 80 |
| FILLING VOLUME | | | | |
| Fuel/ hydraulic tank l | 75/64 | 75/64 | 75/64 | 75/64 |
| ELECTRIC SYSTEM | | | | |
| Operating voltage V | 12 | 12 | 12 | 12 |
| Battery/ alternator Ah/A | 77/80 | 77/80 (100/80) | 100/80 | 100/80 |
| Starter kW | 2,3 | 2,3/2,0 | 2,0 | 2,0 |

Dimensions.



5075 **5085** **5095** **5085T**

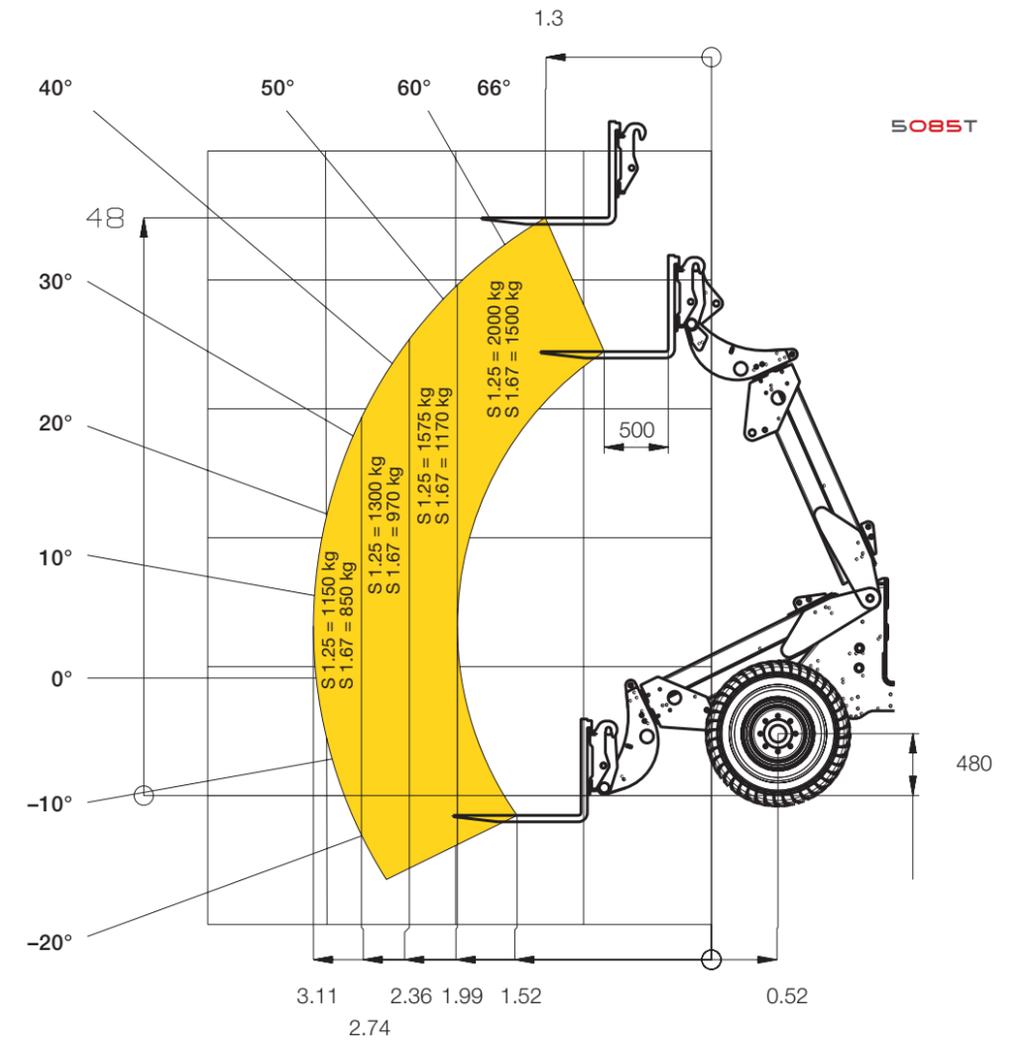
DIMENSIONS

| | | | | |
|---|------|-----------|------|-----------|
| A Height mm | 2450 | 2450/2480 | 2480 | 2590 |
| B Length mm | 5080 | 5280 | 5410 | 5890 |
| C Width mm | 1720 | 1720 | 1720 | 1720 |
| D Ground clearance mm | 300 | 300/330 | 330 | 330 |
| E Distance between wheels mm | 2020 | 2020 | 2020 | 2020 |
| Middle of front axle to tip tooth mm | 1570 | 1770 | 1900 | 2270 |
| F Middle of the rear axle to the end of the vehicle mm | 1490 | 1490 | 1490 | 1490 |
| G Bucket width mm | 1750 | 1850 | 1950 | 1850 |
| H Bucket pivotal point mm | 3065 | 3260/3290 | 3290 | 3610/4690 |
| I Overhead loading height mm | 2915 | 3110 | 3090 | 3440/4520 |
| J Dumping height mm | 2400 | 2530 | 2580 | 3010/4010 |
| K Dumping width mm | 650 | 635 | 650 | 620/1080 |
| Stacking height mm | 2800 | 3000/3030 | 3030 | 3390/4470 |
| Turning radius (tyres) mm | 2840 | 2840 | 2840 | 2840 |

DIMENSIONS WITH THE LONG LOADING SYSTEM

| | | | | |
|--------------------------------------|------|-----------|------|---|
| B Length mm | 5180 | 5600/5650 | 5650 | - |
| Middle of front axle to tip tooth mm | 1670 | 2090 | 2190 | - |
| H Bucket pivotal point mm | 3260 | 3520/3550 | 3550 | - |
| I Overhead loading height mm | 3110 | 3370 | 3400 | - |
| J Dumping height mm | 2530 | 2820 | 2820 | - |
| K Dumping width mm | 635 | 730 | 730 | - |

Load-bearing capacity diagram.





KRAMER
on the safe side

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