

GET IN AND GO

The wheel and telescopic wheel loaders
5035/5040/5050/5055/5065/5065T



KRAMER
on the safe side



A broad range of application areas

Discover the all-wheel wheel loaders and telescopic wheel loaders in the 0.35 - 0.65 m³ class

Compact equipment is the main segment of Kramer-Werke GmbH. The efficient machines have been planned down to the finest detail and impress with the tried-and-trusted construction principle, which provides unbeatable manoeuvrability. Due to their narrow and low design, the machines are also in demand where large machines can't fit: tight access roads, work in landscaped gardens or confined road construction sites.

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. Kramer is also a safe choice as a company for customers and dealers because its experience and innovations ensure secure investments and security for the future. In short – you are always on the safe side with Kramer: **“Kramer – on the safe side!”**

➔ **ON THE SAFE SIDE**

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Operating and performance data wheel

LOADERS AND TELESCOPIC WHEEL LOADERS	5035	5040	5050	5055
Engine output (optional) [kW]	18.5	28.5	34.3	34.3 (41.1)
Bucket capacity [m ³]	0.35	0.36	0.45	0.55
Lift capacity [kN]	11.5	15.8	37.0	32.5
Bucket tipping load [kg]	1,200	1,420	1,800	1,980
Payload on pallet forks S=1.25 [kg]	750	900	1,200	1,600
Operating weight [kg]*	1,898	2,104	2,925	3,200 - 4,300

* Series weight with full tank + 75 kg weight of operator + weight of standard bucket

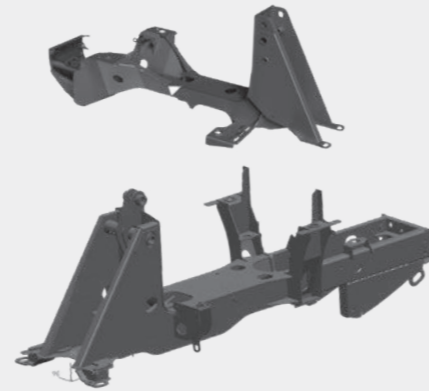
	5055L	5065	5065L	5065T
Engine output (optional) [kW]	34.3 (41.1)	34.3 (41.1)	34.3 (41.1)	34.3 (41.1)
Bucket capacity [m ³]	0.55	0.65	0.65	0.65
Lift capacity [kN]	26.5	32.5	26.5	32.5
Bucket tipping load [kg]	1,780	2,340	2,140	2,500
Payload on pallet forks S=1.25 [kg]	1,450	1,750	1,600	1,650
Operating weight [kg]*	3,200 - 4,300	3,200 - 4,300	3,200 - 4,300	3,500 - 4,600

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. The wheel loaders impress with their high level of stability thanks to the time-tested and proven, one-piece vehicle frame.

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 a one-piece chassis that prevents shifts in the centre of gravity – even with a full steering lock. This makes the vehicles with a high level of stability convincing – even in uneven ground conditions.

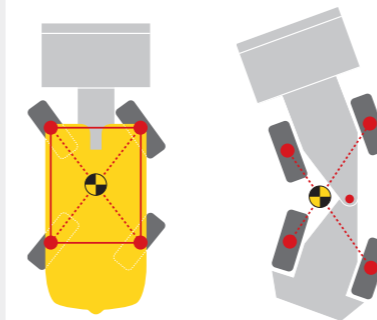
Enormous manoeuvrability

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

Constant payload

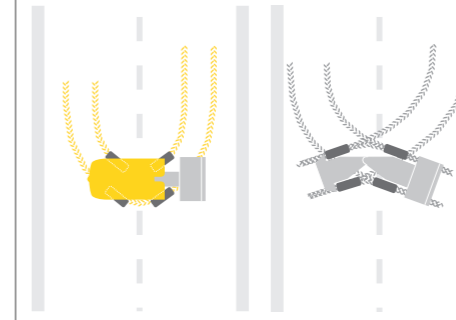
The undivided chassis prevents the distance between the counterweight and the loader unit from changing. The result: Constant leverage that makes working safe in all load situations. In the process, the payload always stays the same, independent of the steering angle.

Undivided chassis for a high level of stability...



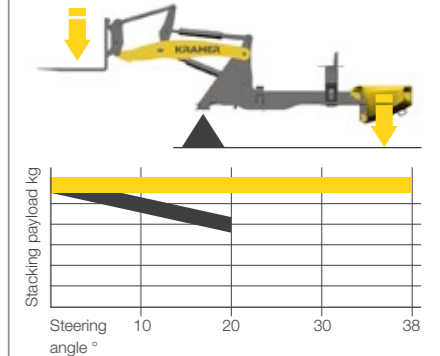
...without a shift in the centre of gravity.

Turning made easy with all-wheel steering...



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

Constant leverage for constant payload

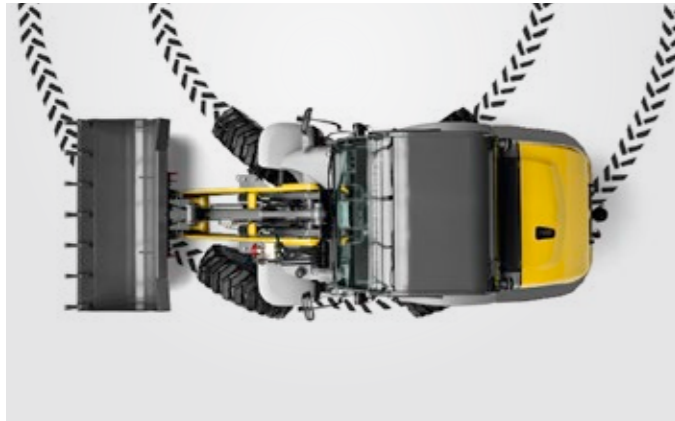


■ Kramer
■ Competition (articulated)

Flexibility in application

The right type of steering system for any application

The undivided vehicle frame forms the basis three (5035, 5040) and two (5050 - 5065T) different types of steering. A wheel loader's design principle decides how it is used and for which applications. The steering system is the crucial factor here.



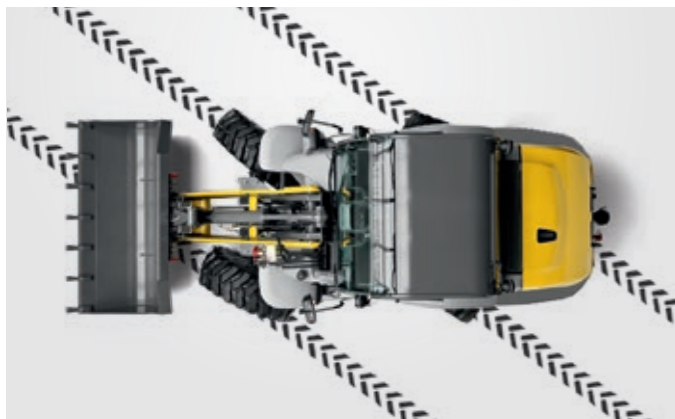
All-wheel steering

- 2 x 38 degree steering angle on the front and rear axle ensure quick work processes
- Optimised routes
- Tight turning circle



Front wheel steering (option)

- Safe and familiar road travel at high speed
- Easy guidance of special attachments
- Familiar steering system
- Ideal for trailer operation



Crab steering (option)*

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

* Available with models 5035 and 5040



All-wheel steering is particularly manoeuvrable in tight spaces

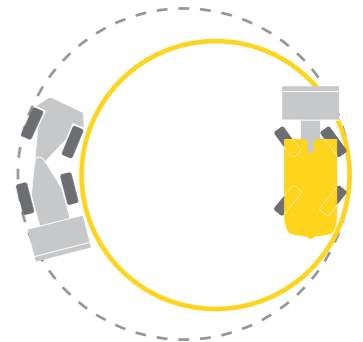
Comparison of all-wheel and articulated steering

Example: 360° turning manoeuvre over outer edge of tyres

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

■ All-wheel steering

■ Articulated steering (competition)



Compact dimensions and optimal power to weight ratio

Power in a perfect proportion

The compact wheel loaders and telescopic wheel loaders from Kramer are among the most versatile machines on the construction site. With their dimensions, they are ideal for low clearance heights and tight passages, making them indispensable companions for the construction industry.

The design principle of the undivided vehicle frame is responsible for the extremely compact dimensions. In addition, excellent power ratings are achieved from the ratio of operating weight, payload and tipping load, which are exceptional in this vehicle class.

The narrow width of just 1.26 m of the models 5035 and 5040 also makes travelling on footpaths effortless.



5035 and 5040:
Also ideal for working in underground garages or car parks



Top performance of the dimensions and power to weight ratio:

- perfect ratio between payload and operating weight
- easy transport on 3.5 t trailers (5035, 5040, 5050)
- Economic use that saves time and fuel thanks to the small turning radius
- Economic power to weight ratio



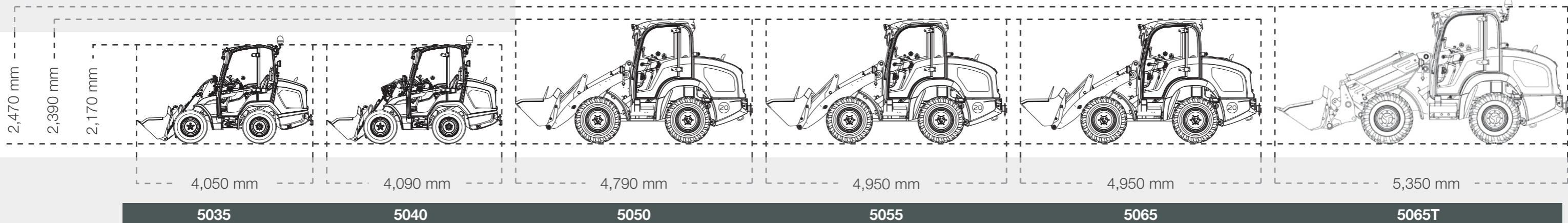
Trailer transport

Due to the low overall height of less than 2.5 m and their very low dead weight, the machines can be transported from one site of application to another, quickly and easily. 3.5 t trailers and 7.49 t trucks can be used for this purpose. When transporting by truck, the overall height remains below 4 m. This increases the company's flexibility and reduces the machine downtimes.

Means of transport	5035	5040	5050	5055
Trailer 3.5 t	x	x	x	-
Truck - 7.49 t	x	x	x	x
Shipping weight**	1,710	1,900	2,645	3,219

* May vary depending on the model and on the tractor's or machine's equipment
** Basic equipment excluding attachment, excluding operator, full tank

x = permitted - not permitted



Powerful engines

Efficient fuel consumption

Both wheel loaders 5035 and 5040 are fitted with Yanmar engines exhaust emission stage V. The 5035 is driven by an 18.5 kW engine with no exhaust emission treatment. The 5040, with its greater performance efficiency, is available with a 28.5 kW engine. Here, the exhaust gas is treated with DOC and DPF.

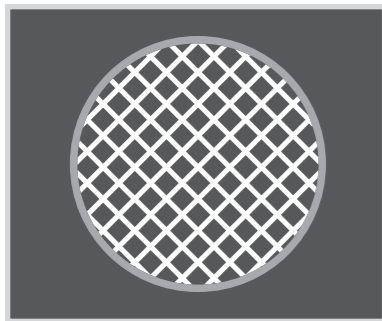
The models 5050 to 5065T also have Yanmar engines and fulfil exhaust level V. The 34.3 kW engines (series) and 41.1 kW engines (option for 5055, 5065, 5065T) are fitted with DOC and DPF.

Top performance of the engines:

- high torque and economical engines from Yanmar
- modern exhaust treatment with DOC + DPF
- latest engine technology with exhaust emission stage V

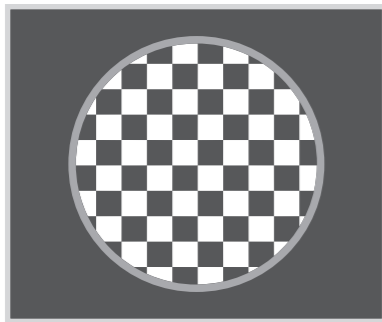
	5035	5040	5050	5055	5065	5065T
Overview of engines	Standard	Standard	Standard	Standard (Option)	Standard (Option)	Standard (Option)
Engine manufacturer	Yanmar	Yanmar	Yanmar	Yanmar	Yanmar	Yanmar
Output [kW/hp]	18.5/25	28.5/39	34.3/46	34.3/46 (41.1/55)	34.3/46 (41.1/55)	34.3/46 (41.1/55)
Exhaust aftertreatment system	-	DOC+DPF	DOC+DPF	DOC+DPF	DOC+DPF	DOC+DPF
Exhaust fumes level (EU exhaust fumes standard)	Stage V	Stage V	Stage V	Stage V	Stage V	Stage V

Exhaust fume aftertreatment systems



Diesel oxidation catalytic converter (DOC)

Catalytic converters are used these days to reduce emissions in many cars and lorries. The diesel oxidation catalytic converter has the same functionality. Without the movement of mechanical parts, it triggers chemical processes that reduce emissions.



Diesel particulate filter (DPF)

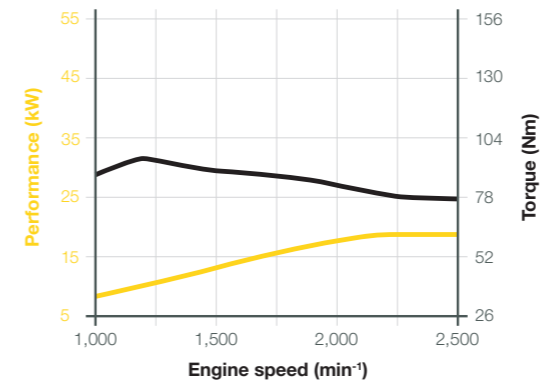
The diesel particulate filter is used in connection with an oxidation catalytic converter to remove most of the nitrogen oxides, soot particles and non-combusted hydrocarbons from the combusted diesel fuel. The diesel particulate filter contains a porous honeycomb structure that catches the soot when it passes through. When the soot has accumulated to a certain extent, the machine's electronic system triggers fuel injections, which brings the non-combusted fuel into the oxidation catalytic converter, which is located in front of the filter. This triggers an exothermic reaction that heats the exhaust fumes so much that the soot in the diesel particulate filter is combusted.

This process is also known as regeneration.

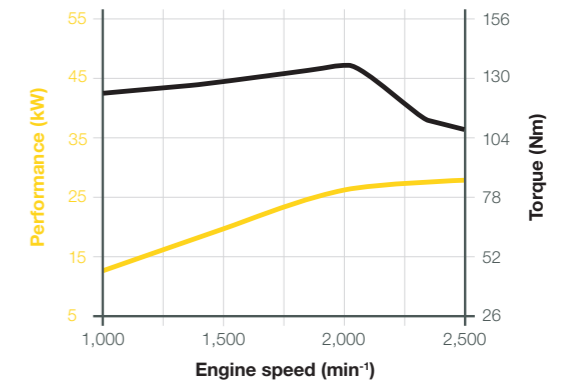


Optimised running smoothness: economical and powerful engines in all Kramer models.

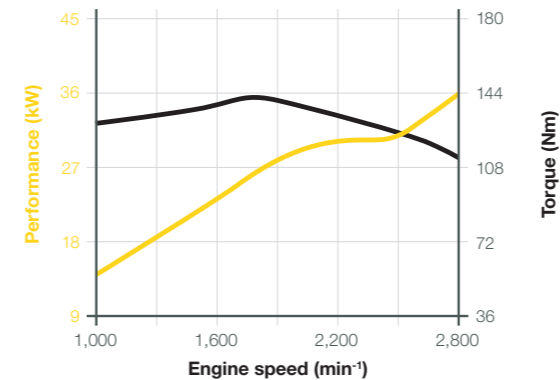
Performance curve of Yanmar 3TNV82A-B; 18.5 kW; stage V (standard)



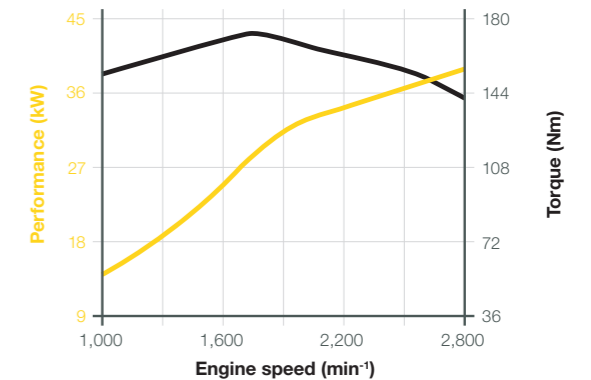
Performance curve of Yanmar 3TNV86CT; 28.5 kW; stage V (standard)



Performance curve of Yanmar 4TNV88C; 34.3 kW; stage V (standard)



Performance curve of Yanmar 4TNV86CT; 41.1 kW; stage V (option)



Made for the application

Discover the product range of the compact class

The wheel loaders: 5035, 5040

Both wheel loaders 5035 and 5040 are the smallest models from Kramer. When designing and developing them, the focus was on simple and intuitive operation, which makes everyday work much easier for the operator. With their super compact design, they are great assistants when working in confined spaces. The machines are versatile in use thanks to their overall height, and also allow for applications inside buildings, such as working in underground car parks. The machines can easily be transported on 3.5 t trailers thanks to their very low dead weight.



Modern design, technology, performance and comfort: Kramer wheel loaders set the standard.

Top-performance telescopic wheel loader 5065T:

+ 50% stroke and dumping height

+ 42% stacking height

+ 38% load-over height

e.g. for storing materials, stacking pallets, filling high-walled lorries, trailers or bins

The wheel loaders and telescopic wheel loaders: 5050, 5055, 5065, 5065T

The wheel loaders and telescopic wheel loaders of the compact class are agile in their movements, dynamic in their power delivery and slim in their design. With the optimised power to weight ratio, low shipping weight and constantly high payload, they are the ideal helpers on construction sites in road and highway construction, civil engineering, and gardening and landscaping.

With the Kramer telescope technology of the 5065T, even greater lift heights and reaches are reached comfortably, safely and precisely. This significantly improves productivity and economic efficiency.



Modern cabin design

First-class comfort

In the compact wheel loader segment, innovative cabin design ensures added value when it comes to comfort and operator-friendliness, where the focus is on functionality and ergonomics.

Large glass panels together with slim cabin pillars ensure excellent all-round visibility. The special hydraulic oil and diesel tank shape beneath the front window ensures the operator has perfect visibility of the attachment. Many functional and ergonomic features as well as storage compartments are located in the side panel. All key colour-coded switches are also within reach of the right hand.



Comfortable joystick:
Switch between hare and tortoise directly on the joystick.



Spacious, quiet, extensively glazed cabin provides the perfect conditions to work safely during day-to-day operation.

Technical highlights

Simple operation – Innovative cabin design

Cabin entry



The wide entry includes additional steps, thus ensuring comfortable entry and exit. Two grab handles fixed to the cabin help the operator to get in and out of the cabin safely. The cabin door can also be opened through 180 degrees and locked to the machine.

Smart Driving PRO



The feature with the 5040 includes three different drive modes that can be changed at the push of a button, to confront any requirement with the greatest efficiency. The power mode (PWR) is ideal for bucket work, the ECO mode the stacking work or road travel and the low-speed control (CSD) for hydraulic attachments.

Steering column



The optional tilt-adjusting steering column can be adjusted to suit the operator's requirements. The steering wheel consists of a high-quality, non-slip material. The steering column also includes a modern dashboard display with automatic blinker reset.

Central tunnel



The central terminal in the cabin floor is just 5cm high, due to the design of vehicle frame. This therefore enables the operator to get in and out easily. The central tunnel is also covered with a rubber mat which is easy to clean.

Cleaning flap



The cleaning flap is located on the right side of the cabin. The flap opens upwards from the bottom using a handle and is fixed by an attenuator. This gives easy access to the cabin air filter and main control equipment. The cabin floor can be cleaned very easily.

Other cabin features



A continental radio with USB connection and Bluetooth hands-free system is available as an option. The temperature and ventilation regulation is in the side panel. The optional air-conditioning system in the 5040 ensures a comfortable environment, even on warmer days. The vehicle can also be fitted with an automatic engine stop by means of seat contact.

Different loader units

Work easily with loads

The loader units of both machines are made of a high-strength and torsion-resistant box profile. The Z-kinematics provide for a large lift and tear-out force, as well as parallel guidance of the pallet fork, throughout the total height. The even sturdier construction of the loader unit in the 5040 ensures even greater load capacity.

The automatic load stabiliser is optionally available. The load stabiliser dampens oscillations of the loader unit and ensures maximum operational comfort. The safe handling of heavy loads is therefore also guaranteed on uneven ground conditions. The automatic function automatically switches on the load stabiliser after a speed of 8 km/h (transport operation) or automatically switches it off under 8 km/h (loading operation). In addition, it is possible to continuously enable or disable the load stabiliser for certain applications.



Automatic load stabiliser prevents the machine from swaying and also enables comfortable driving and reduced material loss, even in difficult conditions.



Sturdy loader unit with Z-kinematics, visual position display and optional load hook.

Top-performance wheel loaders 5035 and 5040:

- powerful lift capacity:
5035 - 11.5 kN
5040 - 15.8 kN
- spacious cabin with excellent all-round visibility and a range of options
- three types of steering for maximum flexibility
- Smart Driving PRO with three interchangeable drive modes with the 5040



Visual position display

for fork (yellow) and bucket (red) is a huge benefit to inexperienced operators or those constantly changing, such as in plant hire businesses or large operations. The position display ensures a high level of precision of the tilt angle of the attachment to the ground.

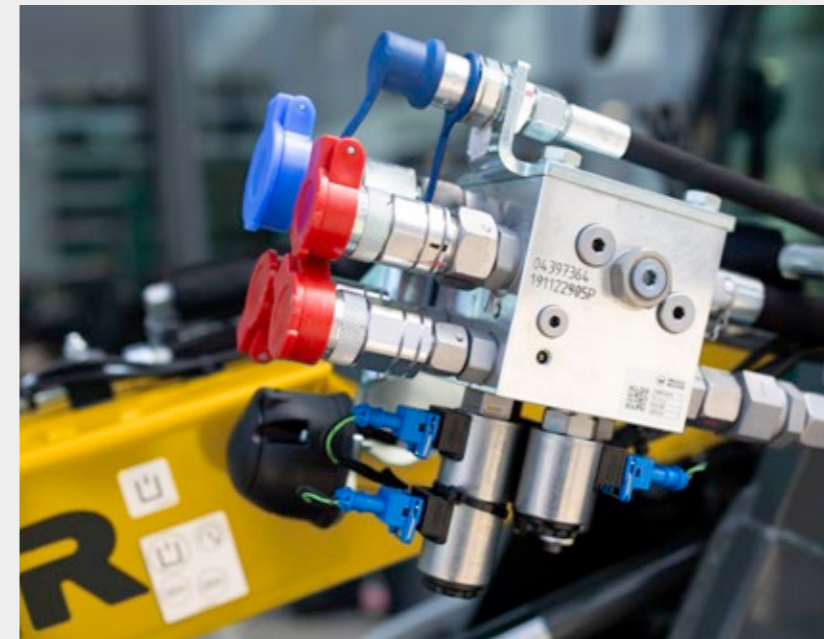
Powerflow

The 5040 wheel loader is impressive with its optional powerflow auxiliary hydraulics. The hydraulics are of a compact construction located on the left side of the loader unit, ensuring perfect visibility of the attachment. Whether working with a snow blower, mulching device, plate compactor or even a cultivation device - the 5040 with the Powerflow function is extremely versatile and suitable for use in any application, all year round.



Concept solution for system bearer	5035	5040
3rd Control circuit [l/min]*	20	30
Power flow performance hydraulics [l/min]*	-	56

*max. Pump values



Pressure release of 3rd control circuit

The button for optional pressure release of the 3rd control circuit is fixed to the centre of the loader unit. This enables quick and efficient changing of a whole host of attachments, without having to switch off the engine.

Machine highlights of the 5035 / 5040

The compact genius of the wheel loaders

Smart Driving PRO (5040)
Three operating that can be changed at the press of a button (PWR - Power Mode, ECO - Eco Mode and CSD - low-speed control) support the operator in the respective applications.

Flexible in application
with a standard 3rd control circuit integrated in the joystick and optional pressure release on the loader unit. The Powerflow for the 5040 adds a powerful drive option to the hydraulic attachments.

Loader unit with Z-kinematics:
for high lift capacities and tear-out forces and precise parallel guidance over the entire lift height.

Efficient working
thanks to hydraulic quickhitch system, load stabiliser and visual position display for bucket and fork.

Three types of steering
ensure maximum manoeuvrability. All-wheel steering in series and optional steering types such as front wheel and crab steering offer even greater flexibility. The steering mode switch is operated mechanically.

Excellent performance values
with compact dimensions and low dead weight.

Innovative cabin design
Glazed areas with visual conduits ensure optimal visibility. The wide step and the door which locks to the rear provide comfortable entry and exit. The side console contains many functional and ergonomic features. Optionally available, among others, is the incline-adjustable steering column.

Two adjustable driving speeds,
easily interchangeable during operation. The drive system of the 5040 is also available in a high-speed version of up to 30 km/h.

Two engine classes
from Yanmar with exhaust level V. The 5035 is fitted with an 18.5 kW engine and the 5040 with a 28.5 kW engine, including DOC and DPF.

Four wheel hub motors
for sensitive work and high pushing power.

One-piece vehicle frame
for huge manoeuvrability whilst remaining stable.

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



Stacking at its best

Maximum flexibility in everyday work

The Kramer wheel loader 5050 stands out from the crowd because of its low dead weight. The optional additional weights, known as "Smart Ballast", can be attached easily and unobtrusively to the rear, enabling the weight of the machine to be modified to suit any work situation. With its manoeuvrability, high payload, stack tipping load and transportability, this machine is ideal for the widest variety of applications.

The service package is rounded off by safety, comfort and a variety of options, which allow for application all year round.

The special loader unit construction ensures high lift capacities and tear-out forces. Standard stone palettes can be moved without any problem.

5050



Top-performance wheel loader 5050:

- powerful lift capacity of 37 kN
- perfect performance values of 34.3 kW / 46 hp
- optimal transport weight of 2,685 kg incl. cabin
- high bucket pivotal point of 2,840 mm
- flexible Smart Ballast total weight of 100 kg



Smart Ballast - optional addition - rear weight

The Smart Ballast weights enable the weight of the machine or the stack tipping load to be modified by up to 1,700 kg depending on the operator's requirement, which enables flexible switching between work and transport situations.

The Smart Ballast weights in total weigh 100 kg. Each of the eight weights weighs an acceptable 12.5 kg.

Trailer transport

The low dead weight without Smart Ballast and the compact dimensions of the machine enable ease of transport on a 3.5 t trailer. The Smart Ballast weights can be carried in a towing vehicle. A class BE driving licence is required.

With the portfolio being enhanced with the custom-made trailer, which enables perfect load securing with the quick coupler system seating, there is nothing to stand in the way of the complete flexibility of this wheel loader 5050. Your competent Kramer dealer will be happy to help you.



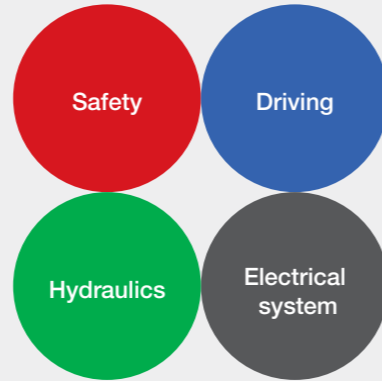
Quick and easy load securing by locking directly to the trailer with the Kramerquick coupler system seating.

Working comfortably

Ideal working conditions

Simple operation and functionality are the focus of the machine series. From the operator's seat to the steering wheel, all detail here consequently aligned with the needs of the operator. The operator has plenty of room and everything is always in view here.

The compact wheel and telescopic wheel loaders from Kramer have proven to be real space miracles in terms of cabin technology and their equipment ensures fatigue-free working for many hours. The clearly arranged operator's controls create an environment in which the operator's controls can work comfortably, focused and productively. The joystick, as the heart of the machine, provides secure, simple and intuitive operation.



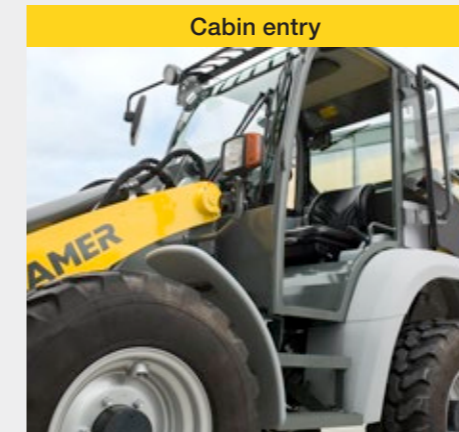
Colour-coding of the switches: four colours for even more safety.



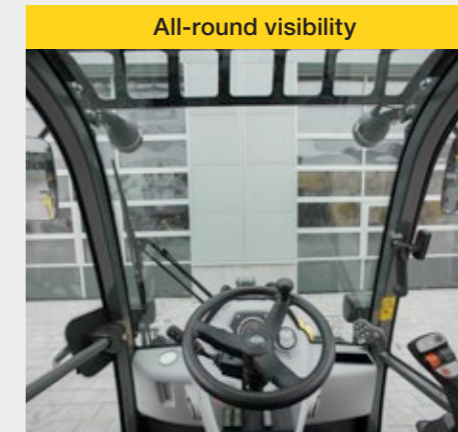
Panoramic cabin for an excellent overview of the attachment and the working environment.

Technical highlights

Simple operation – Innovative cabin design



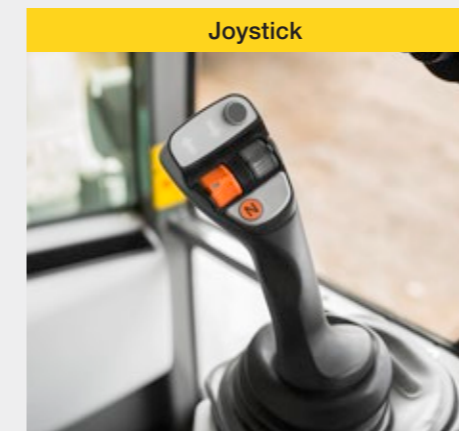
The cabin can be accessed through the large entry area. The undivided vehicle frame also makes it possible to comfortably enter at maximum steering lock. The entry is designed like steps. The grab handles are ideally positioned ergonomically to enable the operator to get in and out easily.



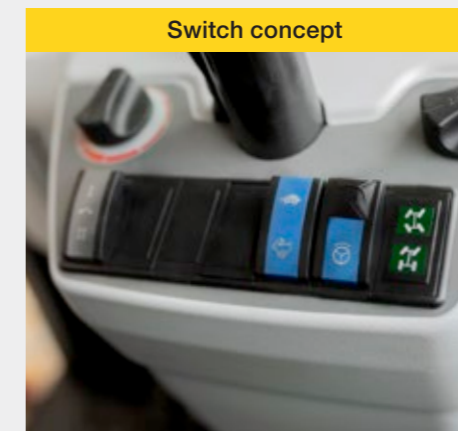
The central seat position of the operator offers a 360° all-round visibility. "Blind spots" are avoided thanks to the particularly clearly arranged design. You can even see everything to the rear. Even when the telehandler system is extended on the 5065T, the operator has a perfect view of the attachment.



The machines offer the best conditions for low headrooms. All machines have an overall height of less than 2.5 m. The compact construction of the wheel loader 5050 enables easy transport on a 3.5 t trailer.



The joystick shows its strengths above all when things get dark. In the night design, the different touch buttons and wheels light up in different colours. The operator can then immediately identify the respective function and his vehicle is safely under control.



The respective functional group is very quick and easy to identify due to the colour-coded switches. Red = safety, green = hydraulics, blue = travel and grey = electrical system. This ensures the operator a convenient and safe operation without the risk of being confused. The result is increased working efficiency for the operator.



The powerful heater with window ventilation and heating nozzles in the footwell ensures comfortable working, even on cold days. A fully integrated air-conditioning system is optionally available. The combined brake-inch pedal allows for precise manoeuvring, even at high engine speed.

Powerful hydraulics

For sensitively controlling the machine

Connect and disconnect different attachments, 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 are powered by powerful gear pumps, which ensure quick work cycles of the loader unit and allow for the operation of special attachments via the 3rd control circuit, if necessary with continuous function.

Pressure release of 3rd control circuit:
Easily couple and uncouple attachments with hydraulic additional functions

5050 - 5065T



Powerflow*

For the many application and industry sectors, machines can be fitted with a wide range of hydraulic attachments, transforming them into true multifunctional talents.

Whatever the type of work, whether with a rotary sweeper, snow blower, mulcher or plate compactor, Kramer wheel loaders can be used in all four seasons of the year.

* not with the 5050



Concept solution for system bearer	5050	5055	5065	5065T
3rd Control circuit [l/min]*	56	56	56	56
Power flow performance hydraulics [l/min]*	-	90	90	90

*max. Pump values

Variable high-speed gearbox up to 30 km/h

The variable hydrostatic-high-speed gearbox offers optimal settings up to 30 km/h. This offers the wheel loader an optimum tractive force as well as low diesel consumption.

The high speed is used for travelling along straight stretches of road and highways.



Three loader units

Depending on requirements, three different loader units are available. The standard and optional extended loader unit are both parallel-guided and ensure a consistent lift capacity as well as a safe operation during materials handling.

Standard loader unit (P-kinematics)



The parallel-guided loader unit ensures constant lift capacity and a safe operation in materials handling. Due to the tilt back angle of up to 45° and a tilt-out angle of up to 45°, the wheel loader does not lose any material in bucket application, even when it is very full, allowing for a complete emptying of the bucket.

- Precise and safe working possible
- High tear-out forces
- Precise parallel guidance over the entire lift height

Extended loader unit (P-kinematics)



Specific customer wishes can be met even more flexibly due to the extended loader unit. Among other things, the range, payload and lift height change compared to the standard loader unit.

- Optimal view of the quickhitch facility and the attachment
- Increased lift height
- Extension of the loader unit by 190 mm (5055, 5065)

Telehandler system (Z-kinematics)



The view of the attachment is exceptional thanks to the compact modular design of the telehandler system. The advantages of Z-kinematics: in the case of equal size cylinders, dumping in a bucket creates a higher tearout force since pressure is applied to the piston side of the hydraulic cylinder when filling the bucket.

- High tear-out forces
- Good view of the quick coupler system and the attachment
- Additional load-over and stacking height as well as range and dumping width

Machine highlights of the 5050 - 5065T

Sturdy on the outside and intelligent on the inside



Reduced operating costs
through optimum power to weight ratio and compact dimensions.

More reach and lift height
due to a telescoping loader unit.

Fatigue-free work
thanks to the spacious and ergonomic cabin, which is installed as a standard (5065) or optionally.

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

High reliability
through easily accessible maintenance points and time-tested and proven components.

Flexible in application
with a 3rd control circuit, unpressurised return flow with drain line and front outlet.

Smart Ballast (5050)
easily and quickly adjust the payload and weight of the machine.

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

Variable drive system -
with two types of steering (all-wheel steering and optional front wheel steering) and a travel speed of up to 30 km/h. Two adjustable driving speeds are also available.

The hydraulically activated quickhitch facility
makes the Kramer an all-rounder in seconds without leaving the operator's seat. Efficient working with a parallel-guided loader unit with P-kinematics for wheel loaders and with Z-kinematics for the telescopic wheel loader.

Excellent traction
thanks to 100% connectible differential lock in the front axle for 5065 and 5065T (optional for 5050, 5055) and the variety of tyre options.

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

ON THE SAFE SIDE

A variety of tasks














Always the right attachments

Regardless of what challenges your application holds for you: With the different attachments, you will always have a handle on the situation. Thanks to the hydraulic quickhitch system, you can adapt your Kramer wheel loader to any situation in no time. Standard attachments can even be changed 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



Product range of attachments

			
Pallet fork	Pallet forks, fold-down	Pallet forks, hydraulic parallel adjustment	Standard bucket with rip-out teeth
			
Standard bucket without rip-out teeth	Standard bucket without rip-out teeth with screwed-on blade	Power grab bucket with rip-out teeth	Power grab bucket without rip-out teeth
			
Side tilt bucket	Load hook, slip-on	Snowplough model A	Snowplough model B
			
Salt spreader			

Exact specifications and availabilities of attachments vary by model and country. Your competent Kramer dealer will be happy to help you.



Hydraulic quick-change system - The Kramer quickhitch system: approach the attachment, pick up the attachment hydraulically from the operator's seat and lock it using the touch slide on the joystick. The lock cylinder is located outside of the pivot point of the quickhitch plate and is thus not in the contamination area.

Tread product range



- Good self-cleaning
- Good flank protection
- High running performance

Universal tread - BKT
5035, 5040



- High running performance
- High level of traction
- Good mobility on soft ground
- Good self-cleaning

Construction machine tread - Mitas
5035, 5040



- good track guiding
- high level of driving safety
- Good self-cleaning
- High running performance

Traction tread - Mitas
5035, 5040



- Good self-cleaning
- Good lateral stability
- High running performance, especially when used on hard and aggressive substrates
- High level of traction

Industrial tread - Michelin
5035, 5040



- Good winter serviceability
- High running performance
- Noise-optimised
- For applications on and off the road

Municipal tread - Continental
5035, 5040



- High running performance
- Good self-cleaning
- Good mobility on soft ground
- High level of traction

Universal tread - Alliance
5050 - 5065T



- High lift capacity
- High level of traction
- Excellent stability and improved driving comfort
- High level of running smoothness

Multi-purpose tread - Michelin
5050 - 5065T



- good resistance
- smooth running on the road
- High level of traction
- For applications on and off the road

Multi-purpose tread - Mitas
5050 - 5065T



- Good self-cleaning
- Ideal for loamy ground
- High level of traction
- smooth running on the road

Traction tread - Mitas Premium
5050 - 5065T



- smooth running on the road
- good resistance
- well-suited in sand and gravel

Municipal tread - Alliance
5050 - 5065T



- High level of traction
- well-suited in sand and gravel
- good resistance

Municipal tread - Nokian
5050 - 5065T

Choosing the right tyres is crucial when it comes to using your wheel loader. Exact tyre specifications and availabilities vary by model and country. Your competent Kramer dealer will be happy to help you.



Top Performance

Dimensions and power to weight ratio

- perfect ratio between payload and operating weight
- easy transport on 3.5 metric tonne trailers (5035, 5040, 5050)
- Economic use that saves time and fuel thanks to the small turning radius
- Economic power to weight ratio

Engines

- high torque and economical engines from Yanmar
- The latest exhaust aftertreatment with DOC + DPF
- latest engine technology with exhaust emission stage V

Wheel loader 5035 and 5040

- powerful lift capacity: 5035 - 11.5 kN, 5040 - 15.8 kN
- spacious cabin with excellent all-round visibility and a range of options
- three types of steering for maximum flexibility
- Smart Driving PRO with three interchangeable drive modes with the 5040

Wheel loader 5050

- powerful lift capacity of 37 kN
- perfect performance values of 34.3 kW / 46 hp
- optimal transport weight of 2,685 kg incl. cabin
- high bucket pivotal point of 2,840 mm
- flexible Smart Ballast total weight of 100 kg

Telescopic wheel loader 5065T

- extra 50% lift height and dumping height
 - extra 42% stacking height
 - extra 38% load-over height
- e.g. for storing materials, stacking pallets, filling high-walled lorries, trailers or bins

Technical Data

Engine	Unit	5035	5040	5050	5055	5065	5065T
Make	–	Yanmar	Yanmar	Yanmar	Yanmar	Yanmar	Yanmar
Type/Model	–	3TNV82A	3TNV86CT	4TNV88C	4TNV88C (Standard) 4TNV86CT (Option)	4TNV88C (Standard) 4TNV86CT (Option)	4TNV88C (Standard) 4TNV86CT (Option)
Output	kW	18.5	28.5	34.3	34.3 (series) 41.1 (option)	34.3 (series) 41.1 (option)	34.3 (series) 41.1 (option)
Max. torque	Nm at rpm	85.5 at 1,200	132.2 at 1,690	140.4 at 1,820	140.4 at 1,820 167 at 1,820 (option)	140.4 at 1,820 167 at 1,820 (option)	140.4 at 1,820 167 at 1,820 (option)
Displacement	cm³	1,331	1,568	2,190	2,190 (series) 2,091 (option)	2,190 (series) 2,091 (option)	2,190 (series) 2,091 (option)
Exhaust emission stage	–	EU level V	EU level V	EU level V	EU level V	EU level V	EU level V
Power transmission							
Drive	–	Variable, hydrostatic drive system					
Travel speed	km/h	20	30	20 (series) 30 (option)	20 (series) 30 (option)	20 (series) 30 (option)	20 (series) 30 (option)
Axles	–	Axle carrier made of cast steel with wheel hub motors		Planetary steering axle	Planetary steering axle	Planetary steering axle	Planetary steering axle
Total oscillation angle	°	7	7	8	8	8	8
Differential lock	%	Compensation differential hydraulic (option)	Compensation differential hydraulic (option)	100% (option FA)	100% (option FA)	100% front axle	100% front axle
Service brake	–	Hydrostatically	Hydrostatically	Hydr. disc brake		Hydr. disc brake	
Parking brake	–	Spring-loaded multi-plate braking system, electro-hydraulically controlled on HA		mech. disc brake		mech. disc brake	
Standard tyres	–	27x10.5-15	27x10.5-15	10.5-18	10.5-18	12.0-18	12.0-18
Steering and work hydraulics							
Steering system functionality	–	Hydrostatic all-wheel steering with emergency steering properties					
		Optional front-wheel-drive and crab steering (option)			Front wheel steering (option)		
Functioning of work hydraulics	–	Gear pump					
Steering cylinder	–	Double-acting with independent final position synchronization					
Steering lock max.	°	38	38	38	38	38	38
Max. flow rate of pump	l/min	20	30	56	56	56	56
Max. pumping capacity (optional)	l/min	-	56	-	90	90	90
Max. pressure	bar	240	240	240	240	240	240
Quickhitch system	–	HV/WL - S			HV/WL - C		
Pilot operation	–	hydraulic					
Pilot control of 3rd control circuit	–	Electrical					

Technical Data

Kinematics	Unit	5035	5040	5050	5055	5065	5065T
Design system	–	Z-kinematics	Z-kinematics	P-kinematics	P-kinematics	P-kinematics	Z-kinematics
Lifting force calculation according to ISO 14397-2 hydraulic	kN	11.5	15.8	37	32.5	32.5	32.5
Tearout force calculation as per ISO 14397-2	kN	12.2	13.3	31.7	28	28	28
Lift cylinder raising/lowering	s	6.0/4.5	6.0/4.5	4.6/2.9	4.8/3.2	4.8/3.2	6.7/5.0
Tilt in/tilt out tilt cylinder: (upper position of the loader unit)	s	2.4/3.3	2.2/2.4	2.6/3.1	2.1/2.0	2.1/2.0	3.5/3.0
Tilt-in / tilt-out angle	°	43/40	43/40	45/40	43/45	43/45	30/40
Bucket tipping load	kg	1,200	1,400	1,800	1,980	2,340	2,500
Stacking payload S=1.25	kg	750	900	1,200 (1,360)*	1,600	1,750	1,650
Capacities							
Fuel tank	l	48	48	60	60	60	60
Hydraulic oil tank	l	40	40	58	58	58	58
Electrical system							
Operating voltage	V	12	12	12	12	12	12
Battery / alternator	Ah/A	74/55	74/55	74/80	74/80	74/80	74/80
Starter motor	kW	1.7	1.7	2.3	2.3	2.3	2.3
Noise emissions**							
Measured value	dB(A)	99	99	100.3	100.3	100.3	100.3
Guaranteed value	dB(A)	101	101	101	101	101	101
Noise level at the operator's ear	dB(A)	80	80	79	79	79	79
Vibrations***							
Vibration total value of the upper extremities of the body	m/s²	< 2.5 m/s ² (< 8.2 feet/s ²)					
Maximum weighted average effective value of acceleration for the body	m/s²	< 0.5 m/s ² (< 1.64 feet/s ²)**** 1.28 m/s ² (4.19 feet/s ²)*****					

* with Smart Ballast (8 x 12.5 kg)





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

*** Uncertainties of measurement as specified in ISO/TR 25398:2006. Please instruct or inform the operator of possible dangers caused by vibrations.

**** On flat and solid ground with the corresponding driving style

***** Application in extraction under harsh environmental conditions

Technical Data

5035: Standard loader unit	Unit	Standard bucket with rip-out teeth	Standard bucket without rip-out teeth	Power grab bucket with rip-out teeth	Power grab bucket without rip-out teeth
					
Bucket capacity	m ³	0.35	0.35	0.23	0.23
Material density	t/m ³	1.80	1.80	1.80	1.80
Overall length of attachment	mm	780	685	774	678
Overall length without attachment	mm	3,460	3,460	3,460	3,460
Overall length with attachment tilted max. 200 mm above ground	mm	4,050	3,980	4,090	4,020
Bucket width	mm	1,250	1,250	1,250	1,250
Bucket swivel point	mm	2,800	2,800	2,800	2,800
Load-over height	mm	2,680	2,680	2,600	2,600
Dumping height	mm	2,290	2,290	2,240	2,240
Dump reach	mm	260	260	200	200
Scraping depth	mm	60	60	140	140
Weight of attachment	kg	113	109	156	151
Operating weight*	kg	1,955	1,951	1,998	1,993

* Basic equipment with cabin and attachment

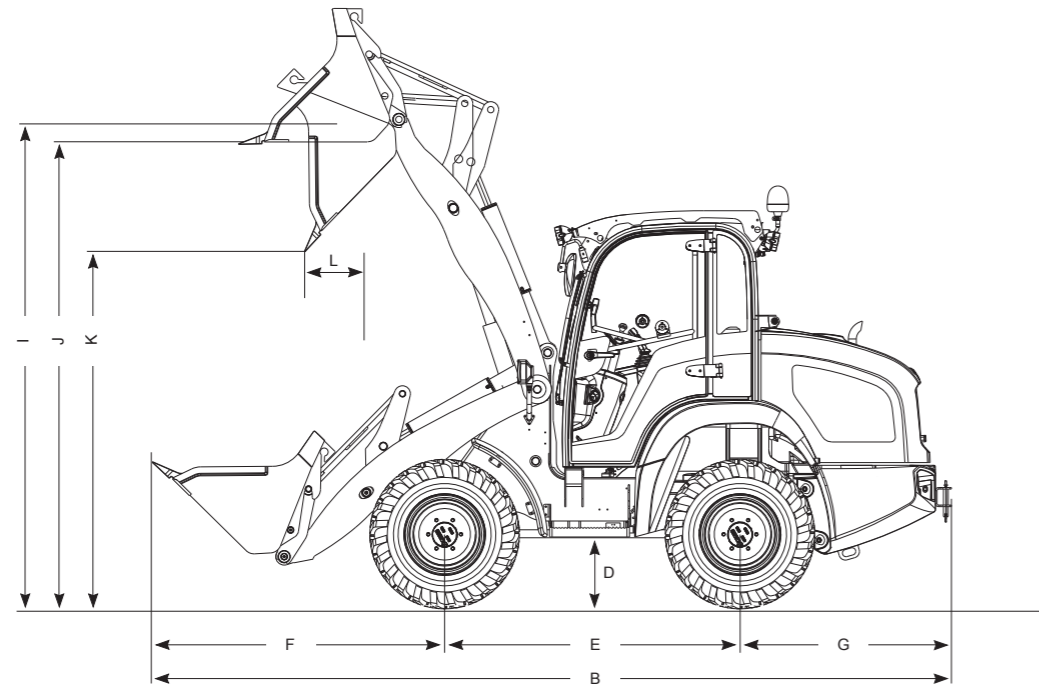
Technical Data

5040: Standard loader unit	Unit	Standard bucket with rip-out teeth	Standard bucket without rip-out teeth	Power grab bucket with rip-out teeth	Power grab bucket without rip-out teeth
					
Bucket capacity	m ³	0.36	0.36	0.23	0.23
Material density	t/m ³	1.80	1.80	1.80	1.80
Overall length of attachment	mm	829	753	677	773
Overall length without attachment	mm	3,460	3,460	3,460	3,460
Overall length with attachment tilted max. 200 mm above ground	mm	4,090	4,040	4,090	4,020
Bucket width	mm	1,400	1,400	1,400	1,400
Bucket swivel point	mm	2,800	2,800	2,800	2,800
Load-over height	mm	2,680	2,670	2,600	2,600
Dumping height	mm	2,260	2,240	2,240	2,240
Dump reach	mm	290	300	200	200
Scraping depth	mm	60	70	140	140
Weight of attachment	kg	129	137	189	183
Operating weight*	kg	2,095	2,103	2,155	2,149

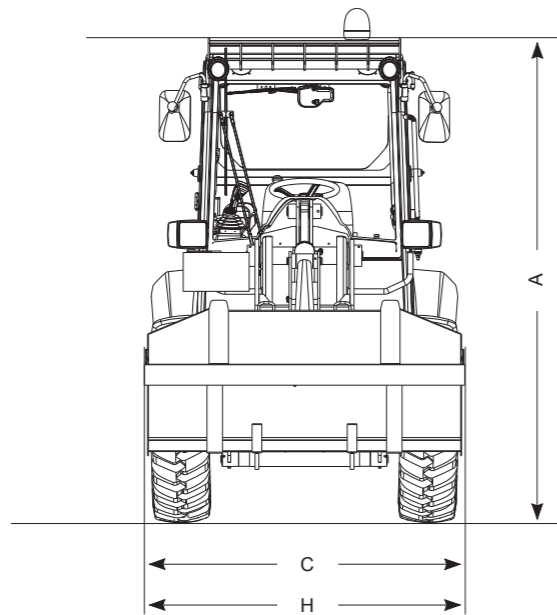
* Basic equipment with cabin and attachment

Dimensions

Side view



Front view



Dimensions

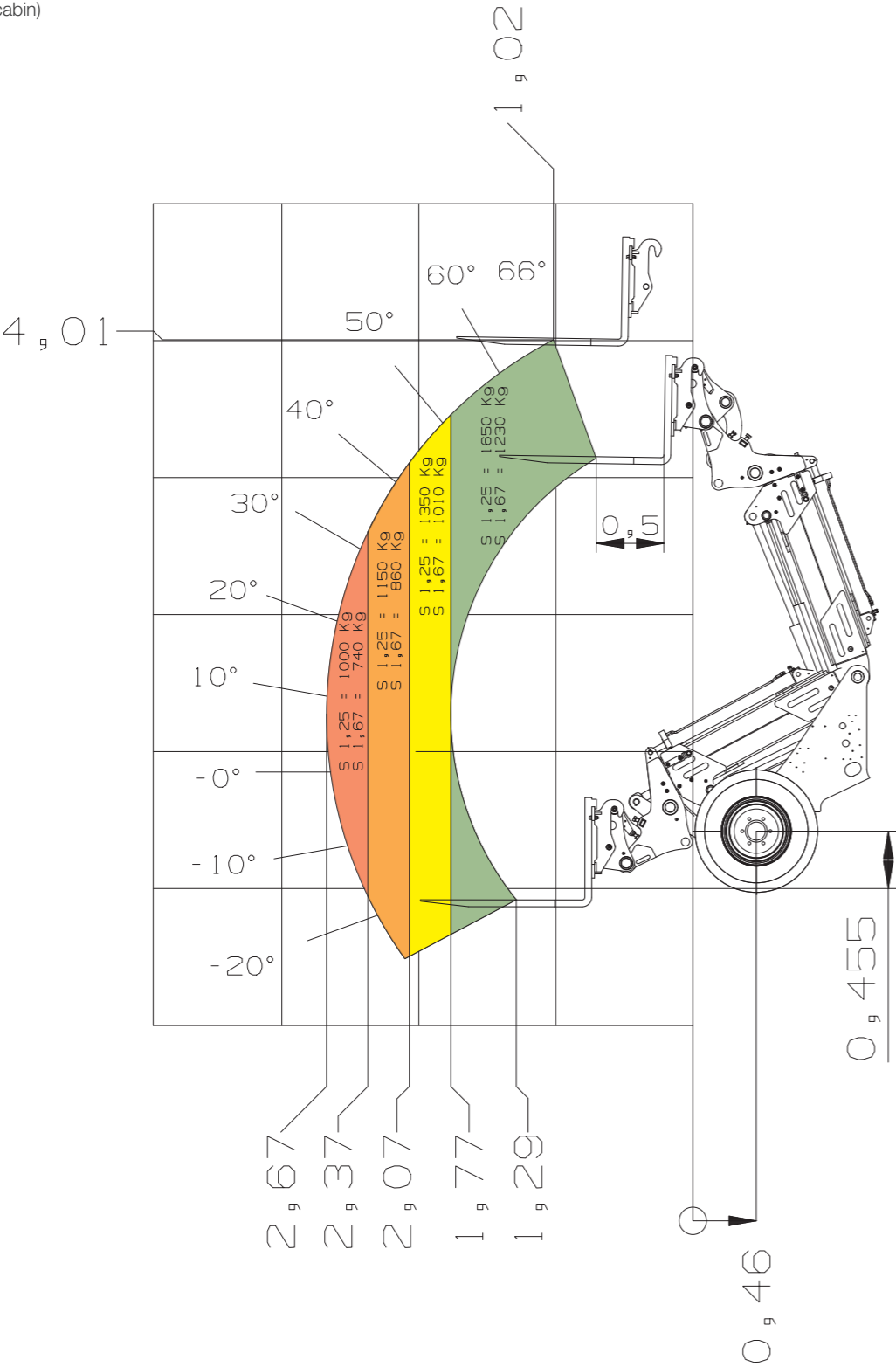
Standard equipment with standard bucket		Unit	5035	5040	5050	5055	5065	5065T
A	Height*	mm	2,170	2,170	2,390	2,390	2,390	2,470
B	Length	mm	4,050	4,090	4,790	4,950	4,950	5,350
C	Width*	mm	1,260	1,260	1,590	1,590	1,595	1,595
D	Ground clearance	mm	220	220	280	280	280	280
E	Wheel base	mm	1,525	1,525	1,850	1,850	1,850	2,000
F	Centre of front axle to tip of teeth	mm	1,390	1,430	1,620	1,780	1,780	1,992
G	Centre of rear axle to end of vehicle	mm	1,140	1,140	1,320	1,320	1,320	1,320
H	Bucket width	mm	1,250	1,400	1,650	1,650	1,650	1,650
I	Bucket swivel point	mm	2,800	2,800	2,840	3,050	3,050	4,270
J	Load-over height	mm	2,680	2,680	2,610	2,890	2,900	4,010
K	Dumping height	mm	2,180	2,140	2,080	2,320	2,330	3,500
L	Dump reach	mm	260	290	270	315	315	810
-	Stacking height	mm	2,630	2,630	2,600	2,950	2,950	4,030
-	Turning radius (over tires)	mm	2,000	2,000	2,700	2,700	2,700	2,900

Standard equipment with standard bucket		Unit	5055L	5065L
A	Height*	mm	2,390	2,390
B	Length	mm	5,140	5,140
C	Width*	mm	1,590	1,595
D	Ground clearance	mm	280	280
E	Wheel base	mm	1,850	1,850
F	Centre of front axle to tip of teeth	mm	1,970	1,970
G	Centre of rear axle to end of vehicle	mm	1,320	1,320
H	Bucket width	mm	1,650	1,650
I	Bucket swivel point	mm	3,300	3,300
J	Load-over height	mm	3,150	3,150
K	Dumping height	mm	2,650	2,650
L	Dump reach	mm	410	410
-	Stacking height	mm	3,200	3,200
-	Turning radius (over tires)	mm	2,700	2,700

*with standard tyres

Load-bearing capacity diagram

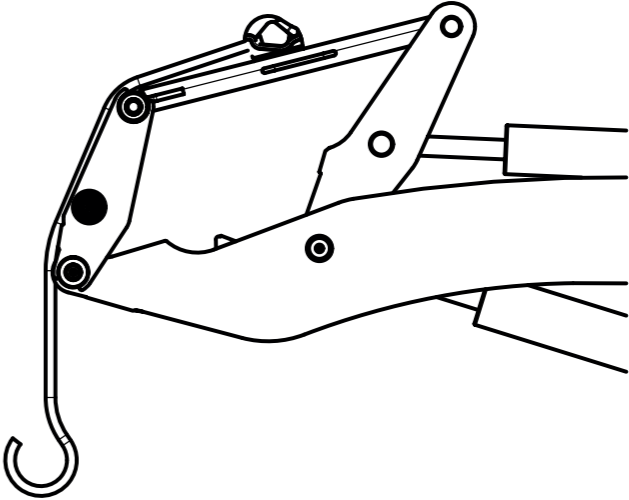
5065T (with cabin)



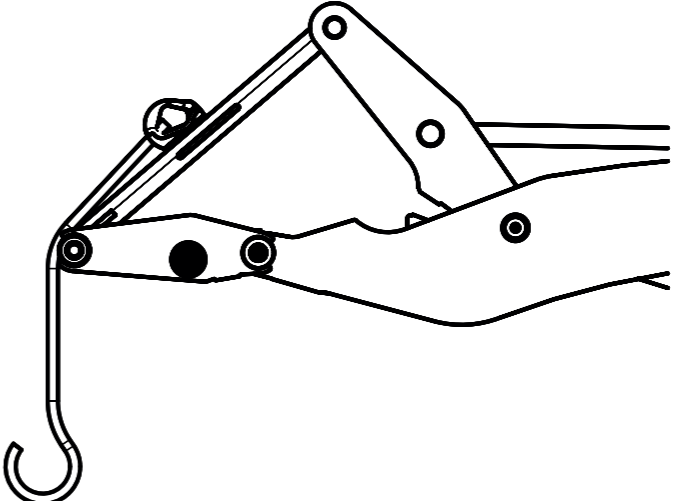
Load-bearing capacity diagram

Load hook

A (Load hook with tilted quickhitch facility)



B (with emptied quickhitch facility)



Load hook on rocker arm		Unit	5035	5040
A	Payload with extended loader unit and tilted quickhitch facility	kg	600	750
B	Payload with extended loader unit and emptied quickhitch facility	kg	750	900



Wheel loader
Bucket capacity: 0.35 - 1.80 m³



Telescopic wheel loaders
Bucket capacity: 0.65 - 1.45 m³



Telehandler
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



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