

STANDARD EQUIPMENT

250 • 350

OPTIONS

250 • 350

ROPS VARIANT**Instrument panel**

Clear indicator instrument with telltales and ergonomically arranged rocker switches.

Joystick console

Ergonomically arranged pilot control console with:

- joystick control for raising/lowering and tilting in/dumping out of the boom with rolling switch for selecting the driving direction.
- 3rd control circuit with mechanical pilot control for locking/unlocking the quick-hitch plate and for operating hydraulically operated implements including continuous operation function.

Operator's seat

Mechanically sprung operator's seat (ISO 7096) with automatic seat belt, weight, back and length adjustment options.

12 V socket with cigarette lighter**Manoeuvring coupling****LIGHTS**

Front and rear driving lamps

ENGINE COVER

Gas struts permit wide self-opening for optimal maintenance access.

QUICK-HITCH FACILITY

Hydraulic

ENGINE AIR SUPPLY

By means of cyclone air filter with integrated safety cartridge.

CAB

Sound-insulated, vibration-damped cab with 4 point support, with generously sized, deep, tinted windows. Superb allround view for increased safety and efficiency in the work area! Very generous cab space.

Heating, ventilation

Conveniently operated three-stage efficient heating and ventilation with circulating air function and defroster nozzles.

Sun visor**Wipers**

Front and rear wipers. A longer than average wiper blade enables free visibility through over 85 % of the front window. The large windscreen washer reservoir enables prolonged use without topping up.

CAB OPTIONS

High-comfort operator's seat
Radio system
Lights compliant with German traffic regulations
Front working light
Rear window heating
Document storage box

POWER OPTIONS

High-capacity engine (350 only)
Load stabiliser
Socket for front and rear implements
Unpressurised reflux with leak oil line
Low-speed control and manual throttle
Hydraulic additional control circuit at front + rear
Increased hydraulic output (only 350 + only with large engine)

PREHEATING

Engine
Fuel
Hydraulic oil

TYRES

Construction machine profile
Wide-profile tyres
Industrial tyres
Lawn tyres
Foam-filled wheels
Puncture protection

SAFETY

Underbody treatment
Protective measures against aggressive media (cab vehicle only)
Fire extinguisher
Warning markings in accordance with DIN 30710
Drive interlock
Backup warning system
Rotating beacon

SPECIAL PAINT

BIODEGRADABLE OIL
PANOLIN HLP Synth46

EXTENDED WARRANTY**IMPLEMENTS**

250 • 350

Pallet forks, standard bucket, multipurpose bucket, light bucket, extra-light bucket, rotary broom, snow blade, manure fork, multipurpose fork
Additional implements on request.

The Original is not available everywhere:
AUTHORISED KRAMER PARTNERS ARE ALWAYS THE CORRECT ADDRESS.

04/2009 art.nr. 1.00017.96889

Original

Kramer Allrad Miniloader
250 • 350

250 350

**Kramer-Werke GmbH**

Wacker Neuson Straße 1
D-88630 Pfullendorf
Tel. 00 800 90 20 90 20
Fax +49(0)7552 92 88-234
info@kramer.de
www.kramer.de



kramerALLRAD®



kramerALLRAD®

The Original sets standards. At the very first turn.

LEGENDS DON'T JUST COME ABOUT BY CHANCE. THEY COME ABOUT WHEN THEY BECOME SOMETHING SPECIAL IN PEOPLE'S IMAGINATION. THEY CREATE NEW POSSIBILITIES, BECAUSE THEY ARE SIMPLY BETTER. AND WHEN THEY HAVE PROVEN THEMSELVES OVER THE YEARS AND FURTHER INCREASED THEIR LEAD, THEY GAIN A PLACE IN HISTORY.

Kramer has been building its wheel loaders with a one-piece frame and agile four wheel steering for decades. Today we can appreciate that this provides unsurpassed safety, increased speed during operation and advanced productivity. Originals are trailblazers and follow their own path. With complete reliability.



Standard:
Cornering under load.
Stable and manoeuvrable
on any terrain.

2550
3550

Four wheel steering and drive using four wheel hub motors.
Incomparable manoeuvrability (up to 2 x 38° steering angle) and rapid drive response for quick, precise and cost-efficient work cycles. The wheel hub motors give a lower centre of gravity, resulting in increased stability.



Kramer Highlights

- Full and constantly high payload at all times.
- Outstanding stability even on rough terrain and with a narrow turning radius.
- Quick and precise work cycles.
- Legendary Kramer four wheel steering.



Instability isn't a flaw, it's a serious hazard:
Kramer miniloaders mean payload and manoeuvrability. With safety.

Particularly with lightweight wheel loaders, the one-piece frame, compact dimensions and large steering angles are an absolute must.

These features ensure that the machines can show their strengths even in confined conditions and with a full payload. They must be safe and able to move quickly at all times.

Without any ifs or buts.



One-piece frame
Enormous stability even with a narrow turning radius and on rough terrain: high payloads can be moved quickly and safely at all times.



Standard: Versatility.
Reliable and valuable aid
for industries in motion.
Small machines for big tasks.

250
350



Speed and safety. Reliability and flexibility.
Logistics and multifunctionality. All in a nutshell.

Whether golf course, fruit-growing farm, town council, gardening and landscaping, leasing or agriculture, ... the factors of time and cost-efficiency are more important than ever.

Kramer miniloaders are specialists in versatility. Thanks to their standard hydraulic quick-hitch facility, they very quickly become indispensable helpers, operators' favourite tools and management allies. This is made possible by the diverse range of options and implements.

They provide what is needed. They become whatever they are used for.

Kramer Highlights

- Versatile performance profile.
- Easy to operate.
- Safe to use.
- Hydraulic quick-hitch facility as standard.
- A flexible and proven performance platform with an incomparable variety of options and implements.



250
350

Standard: Comfort and safety.
German quality, which provides precise feedback for the driver.

- 1 Form follows function.** Ergonomy and practical orientation: Everything is positioned exactly where it should be.
- 2 A safe workstation.** Productivity is also a question of environmental quality.
- 3 Spacious cab with heating, ventilation and hinged quarter windows.** Available as an option on the 350.



Spaciousness, optimised ergonomoy and tidy workmanship are not a luxury, but attractive plus factors for increased safety and productivity. Kramer quality always starts on the inside.

The cab is splash-proof and is equipped with a hinged roll bar. And because the switch for selecting the driving direction is practically positioned on the pilot control lever, one hand can always remain on the steering wheel.

Safety first ... not just for occasional operators. The intuitively arranged switches are easily accessible, and you immediately feel "at home" in the cockpit.

Welcome to the Original.

For the 350, a spacious cab with heating and ventilation is available (option). The side hinged quarter windows ensure good air circulation, and the door can easily be removed.

Kramer Highlights

- Cab is designed for ergonomoy and functionality.
- Intuitively arranged operator's controls for safe handling of the machine for both professionals and occasional operators.
- Spacious cab with heating and ventilation (option for the 350).



Standard:
Costs and availability.
Maintenance-friendly and back
up to speed immediately.

250
350

Price and costs are not the same thing:
WITH REGARD TO COST OF OWNERSHIP,
THE WINNER IS THE ONE IN YELLOW.



Only a machine that can stand up to everyday use is of lasting value:
The practical intelligence of a design is revealed during maintenance and service.
Who wants to tear their whole house apart, just to get into the cellar?

The maintenance points in particular are critical for everyday usability, and Kramer wheel loaders are an exemplary Original here too. The wide-opening engine cover provides central access to all components for inspection, maintenance and service tasks.

- The oil dipstick,
- the air filter with integrated safety cartridge and clogging indicator,
- the engine oil filter,
- the fuel filter,
- the hydraulic oil filter and the hydraulic oil tank and
- the main fuses

are directly accessible. This saves time and money, as well as ensuring reliability and maintaining value.

Kramer Highlights

- Exemplary accessibility to all components for inspection, maintenance and service tasks.
- Technical intelligence in every detail.
- Winner in cost of ownership.



**Standard: Dimension
and operating weight.**
Small, light and
completely mobile.

250
350



Miniloaders must be light, in order to remain economically transportable. And small enough to be able to get through any space easily. Two more points for the Original.

Kramer miniloaders are so light they can be transported to their place of work on a trailer or a light HGV. And the optional roadworthiness approval for the 350 (with light set) even allows it to travel on public roads under its own power.

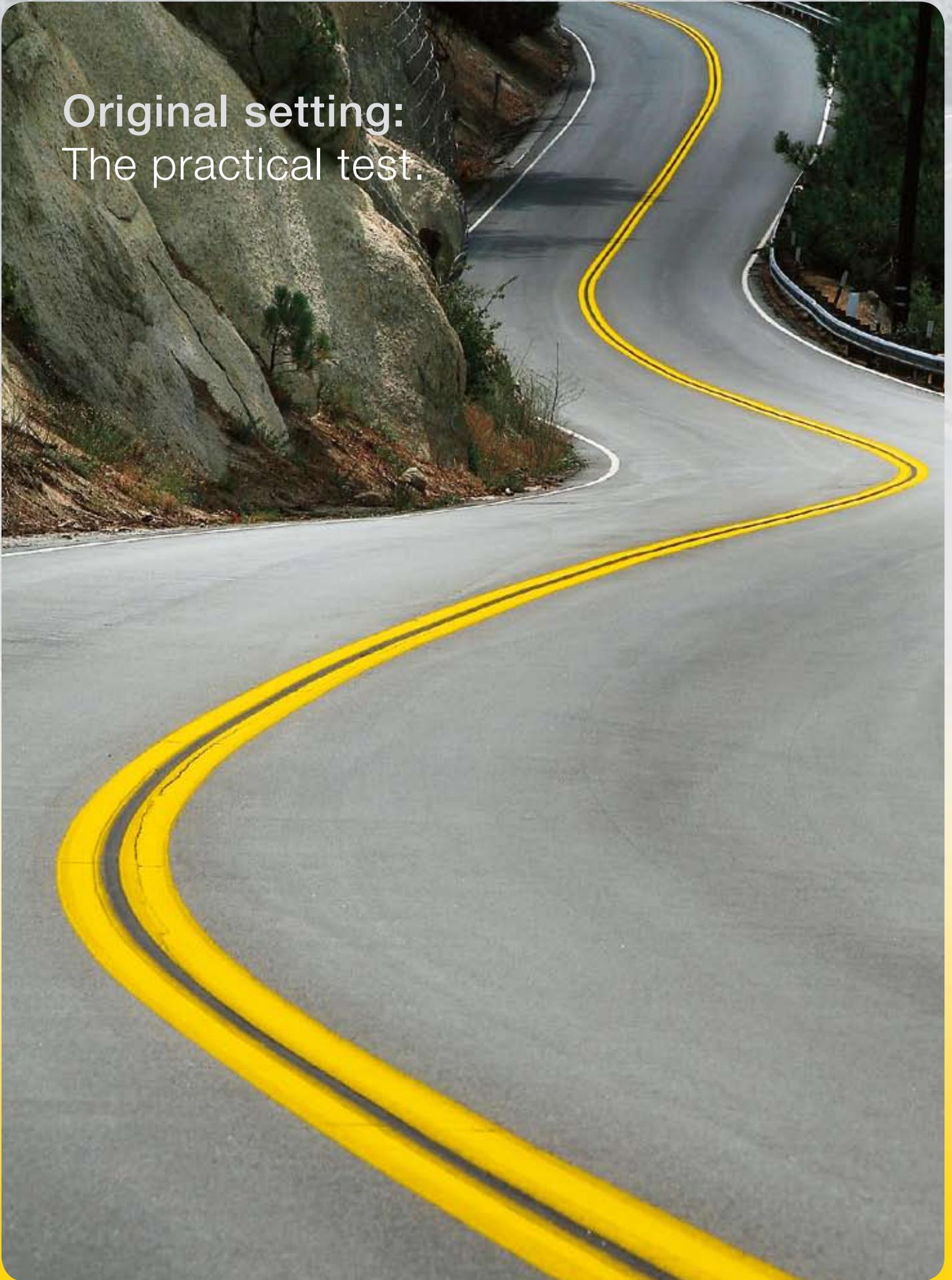
With its compact dimensions and an overall height of under 2 metres with cab, low passages are no obstacle. With the hinged roll bar (ROPS variant), even lower passage heights can be managed without problem.

Kramer Highlights

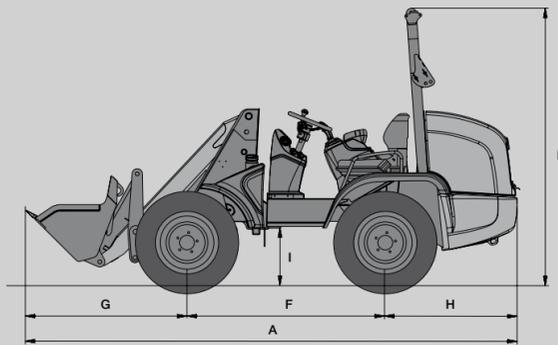
- Outstanding power-to-weight ratio.
- Can be transported on a trailer or a light HGV.
- Optional roadworthiness approval (with light set) for the 350.
- Overall height under 2 metres.



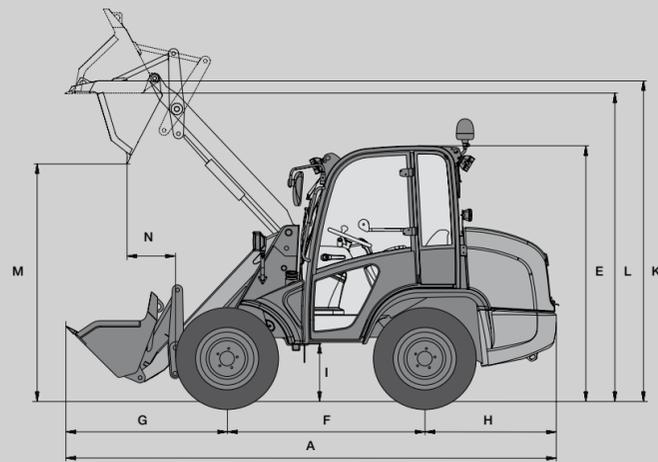
Original setting:
The practical test.



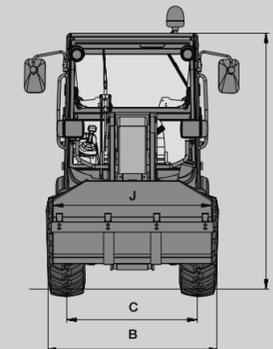
Winning driving technology.



With standard bucket and tyres (side view)



With standard bucket and tyres (side view)



With standard bucket and tyres (front view)

DIMENSIONS	250 ROPS	350 ROPS	350 CAB
A Length with standard bucket	3890 mm	4035 mm	4035 mm
B Max. width	1200 mm	1200 mm	1200 mm
C Track width	940 mm	940 mm	940 mm
D Height with roll bar / with folded down roll bar	2150 / 1750 mm	2150 / 1750 mm	-
E Height with cab	-	-	1980 mm
F Wheelbase	1525 mm	1525 mm	1525 mm
G Centre of front axle to tooth tip	1250 mm	1360 mm	1360 mm
H Centre of rear axle to end of vehicle	1115 mm	1195 mm	1195 mm
I Ground clearance	200 mm	200 mm	200 mm
J Bucket width	1250 mm	1250 mm	1250 mm
K Pin height	2790 mm	2790 mm	2790 mm
L Overload height	2675 mm	2675 mm	2675 mm
M Dump height	2290 mm	2250 mm	2250 mm
N Dumping reach	125 mm	165 mm	165 mm
Pallet height	2657 mm	2657 mm	2657 mm

OPERATING DATA	250 ROPS	350 ROPS	350 CAB
Bucket capacity	0.25 m ³	0.35 m ³	0.35 m ³
Weight	1540 kg	1620 kg	1720 kg
Tyre turning radius	1950 mm	1950 mm	1950 mm
Bucket turning radius	2650 mm	2650 mm	2650 mm
Pallet forks turning radius	2950 mm	2950 mm	2950 mm
Quick-hitch system	hydraulic	hydraulic	hydraulic
ENGINE			
Product	Yanmar	Yanmar	Yanmar
Type/Design	3TNV77	3TNV88 / 3TNV84T	3TNV88 / 3TNV84T
Output	16 kW / 22 PS	23 kW / 31 PS 27 kW / 37 PS (option)	23 kW / 31 PS 27 kW / 37 PS (option)
Max. torque	69 Nm at 1000 U/min	107 Nm at 1560 U/min 124 Nm at 1560 U/min (option)	107 Nm at 1560 U/min 124 Nm at 1560 U/min (option)
Displacement	1116 cm ³	1642 cm ³ 1496 cm ³ (option)	1642 cm ³ 1496 cm ³ (option)
Emission	97/68 EG, level 3A	97/68 EG, level 3A	97/68 EG, level 3A
TRANSMISSION			
Power train	infinitely variable hydrostatic axial-piston gearbox		
Speed	0 - 20 km/h		
Axles	cast steel axle carrier with wheel hub motors		
Differential lock	differential		
Service brake	hydrostatic		
Handbrake	spring-loaded multi-disc brake, electrohydraulically actuated		
Standard tyres	27 x 8.50-15	27 x 8.50-15	27 x 8.50-15
STEERING AND WORK HYDRAULICS			
Mode of operation	hydrostatic four wheel steering with final position synchronisation		
Maximum steering angle	2 x 38°	2 x 38°	2 x 38°
Service pump	gear pump		
Flow rate	20 l/min	20 l/min	20 l/min
Flow rate at front	-	40 l/min (option) 60 l/min (option) ❶	40 l/min (option) 60 l/min (option) ❶
Flow rate at rear	-	40 l/min (option)	40 l/min (option)
Pressure	240 bar	240 bar	240 bar
KINEMATICS			
Design	z-linkage with optimised parallel guide		
Tipping load (standard bucket)	1080 kg	1250 kg	1250 kg
Maximum payload	870 kg	960 kg	960 kg
Payload S = 1.25	650 kg	750 kg	750 kg
Payload S = 1.67	485 kg	560 kg	560 kg
Maximum pallet height	2657 mm	2657 mm	2657 mm
Back-tilt/dump angle	40° / 45°	40° / 45°	40° / 45°
Raise lift ram	6.7 sec	6.7 sec	6.7 sec
Lower lift ram	5.0 sec	5.0 sec	5.0 sec
Tilt in	0.6 sec	0.6 sec	0.6 sec
Dump out	0.7 sec	0.7 sec	0.7 sec
Scraping depth	50 mm	50 mm	50 mm
CAPACITIES			
Fuel tank	30 l	30 l	30 l
Hydraulic oil tank	40 l	40 l	40 l
ACOUSTIC EMISSIONS			
according to 2000/14/EC			
ELECTRICAL SYSTEM			
Operating voltage	12 V	12 V	12 V
Battery	72 Ah	72 Ah	72 Ah
Alternator	55 A	55 A	55 A
Starter	2.3 kW	2.3 kW	2.3 kW

❶ only possible with 27 kW engine