INTO THE FUTURE WITH NEW DRIVE

The 5055e eLoader

KRAMER
on the safe side

Completely free of emissions at full power

Discover the first fully electric wheel loader of its size

With the 5055e eLoader, CO_2 restrictions, soot-limits, or noise emission values no longer play a role in daily work. The fully electric wheel loader works completely free of emissions, protects the environment and the end user, and scores high when it comes to efficiency and economy. To ensure high quality performance, the 5055e combines electro-mobility with the constant high payload, road capability, and the comfort of the classic Kramer wheel loader.

GEWINNER DES: bauma Innovationspreis 2016

The bauma Innovation Award is awarded to companies that offer practice-oriented technology for the construction, building materials, and mining industries while keeping an eye on the environment, resources, and people.
In 2016, Kramer received the award in the “Machine” category for the 5055e.

Be on the safe side with Kramer

For many years, the Kramer brand has stood for one value: **Safety.** The high quality of innovative machines is only one aspect. As a company, Kramer is also a reliable choice for customers and dealers because the experience and innovative power of the company ensures for investment and future security. In brief, with Kramer, you are always on the safe side: **“Kramer – on the safe side!”**

ON THE SAFE SIDE

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Information about ECO at Kramer can be found here:
kramer.de/ECOlabel

It is the technology that counts.
Rediscover the future.

zero emission

A total package that can be seen: the advantages of the 5055e speak for themselves. Not only does the fully electric wheel loader score highly with zero emissions but also with the high performance and efficiency of the classic wheel loader. This ensures maximum efficiency and low operating costs.

	5055e
Bucket capacity (m^3)	**0.65**
Operating weight (kg)	**4,130**
Engine output (kW)	**15**
Hydraulic motor engine output (kW)	**22**

Your advantages at a glance

Products that are first-class with respect to economic efficiency and environmentally friendliness as well as sustainability bear the ECO seal.

Ecological advantages
- Lower CO_2 footprint
- No particulate pollution for the end user and the environment
- Gentle treatment of resources

Low noise emissions
- Ideal for noise-sensitive areas such as city centres, cemeteries, hotel facilities, parks, and recreation areas
- Suitable for winter service (e.g. hotel and municipal application)
- Less noise for (new) residential areas

No exhaust emissions
- Hassle-free work indoors
- Possible to work in tunnels without expensive exhaust systems
- No impairment of air quality in urban applications because of complete zero emissions
- No emission burden on zoos or parks

Economic advantages
- Future-oriented technology
- Low maintenance costs
- Full-size wheel loaders with new drive technology
- Cost savings because electricity is used instead of diesel
- Pay-back of additional costs after approx. 2,000 operating hours
- Up to five hours of run time from a fully loaded battery.

High-performance lead-acid battery or lead-acid fleece battery
for optimum performance.

Emission-free work indoors –
protects end users and the environment.

Innovative,
future-proof, and thought through in detail

As the first completely electric wheel loader of its size class, the 5055e combines the advantages of electric mobility with the performance parameters of a classic Kramer wheel loader. A highly impressive interaction.

Flexible use thanks to the 3rd control circuit, unpressurised return flow with drain line and front outlet.

The hydraulically activated quickhitch facility makes the 5055e an all-rounder in seconds without leaving the operator's seat.

Long loader unit for more flexibility.

Quick and safe transport of materials thanks to the high bucket apron and long bucket bottom as well as large dumping and roll-back angles.

Fatigue-free work thanks to the spacious and ergonomic comfort cab.

Reduced operating costs thanks to efficient engines and the use of electricity.

Two electric motors ensure high efficiency and performance.

The charging time is between 6 and 7 h – an intermediate charge is possible at any time.

Electric motors do not require air filters, which makes the machine less susceptible when working in dusty environments.

Front-wheel and all-wheel steering – continuous drive system with two steering modes.

The right tyres for every application and excellent traction thanks to the 100% connectible differential lock.

Our wheel loaders leave nothing to be desired

"When developing the 5055e, it was our utmost objective to provide the end user with a fully electric drive and the usual efficiency output of the classic wheel loader. Whether lift capacity, traction or operating comfort – we have successfully ensured that the user must not make anycompromises".

Martin Eppinger | Technical Director | Kramer-Werke GmbH

Building on our heritage.
New technology, proven quality.

With the fully electric drive of the 5055e, you will be able to work completely free of emissions. At the same time, you will benefit from the proven efficiency output, stability, and constant payload of a Kramer wheel loader. You can always rely on the high quality of our machines.

High level of stability

Our wheel loaders are designed with an undivided chassis that prevents shifts in the centre of gravity – even when on a full steering lock. This ensures the machines offer high levels of stability – even when working on uneven grounds.

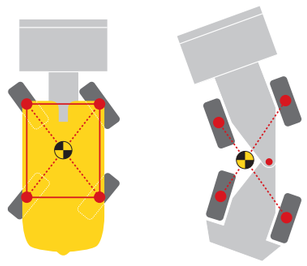
Enormous manoeuvrability

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

Constant payload

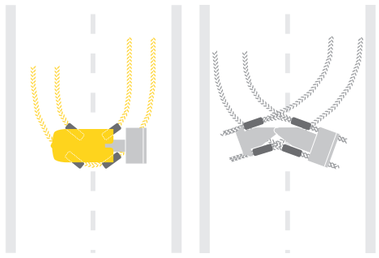
The undivided chassis prevents the clearance between the counterweight and loading system from changing. The result: Constant leverage that makes working safe in all load situations. In the process, the payload always stays the same, whatever the steering angle.

Undivided chassis for a high level of stability...



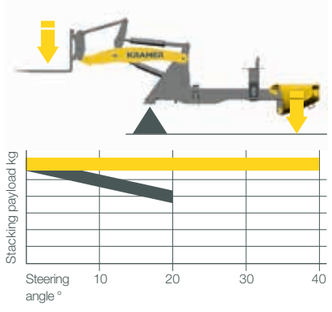
...without a shift in the centre of gravity.

Turning made easy with all-wheel steering...



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

Constant leverage for constant payload



Kramer
competition (articulated)

Flexible applications
Ready in seconds.

Regardless of what challenges your application holds: With our attachments, you will always have a handle on the situation. Thanks to the hydraulic quickhitch system, you can adapt your 5055e to any situation in no time. The attachment is based on your needs.

Standard bucket

Light materials bucket

Power grab bucket

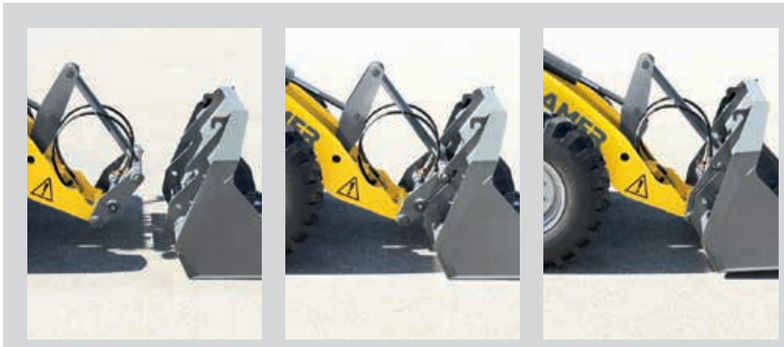
Side swing bucket

High tip bucket

Stacker

Work accurately with the right attachment.

You can find out more about our attachments at: **www.kramer.de**



Attachments can be changed in seconds thanks to the quickhitch facility.

Dimensions and options

5055e eLoader

	Dimensions	Unit	S = standard loader unit	L = extended loader unit
A	**Total length** [1, 2]	mm	4,950	5,140
B	**Total width** [1]	mm	1,650	1,650
C	**Overall height with cabin** [3, 4, 5]	mm	2,390	2,390
D	**Overall height with FOPS protective grating** [3, 5]	mm	2,470	2,470
E	**Overall height; upper edge of engine hood** [3, 5]	mm	1,700	1,700
F	**Ground clearance for transport position of the loader unit**	mm	250	250
G	**Ground clearance** [3, 5]	mm	280	280
H	**Bucket pivot point** [3, 5]	mm	3,050	3,300
I	**Load over height** [3, 5]	mm	2,880	3,280
J	**Dumping height** [3, 5]	mm	2,350	2,620
K	**Dumping reach** [1]	mm	320	410
L	**Dumping angle** [1]	°	42	42
M	**Roll-back angle** [1]	°	48	51
N	**Track** [3] **front/rear**	mm	1,262	1,262
O	**Wheel base (Front/rear axle centre)**	mm	1,850	1,850
P	**Distance from centre of rear axle to the tail**	mm	1,320	1,320
Q	**Distance from centre front axle to blade leading edge**	mm	1,780	1,970
–	**Stacking height**	mm	2.830	3.050
–	**Turning radius: Outer edge of wheel** [3] **Outer edge of bucket** [1]	mm	2,700 3,550	2,700 3,780

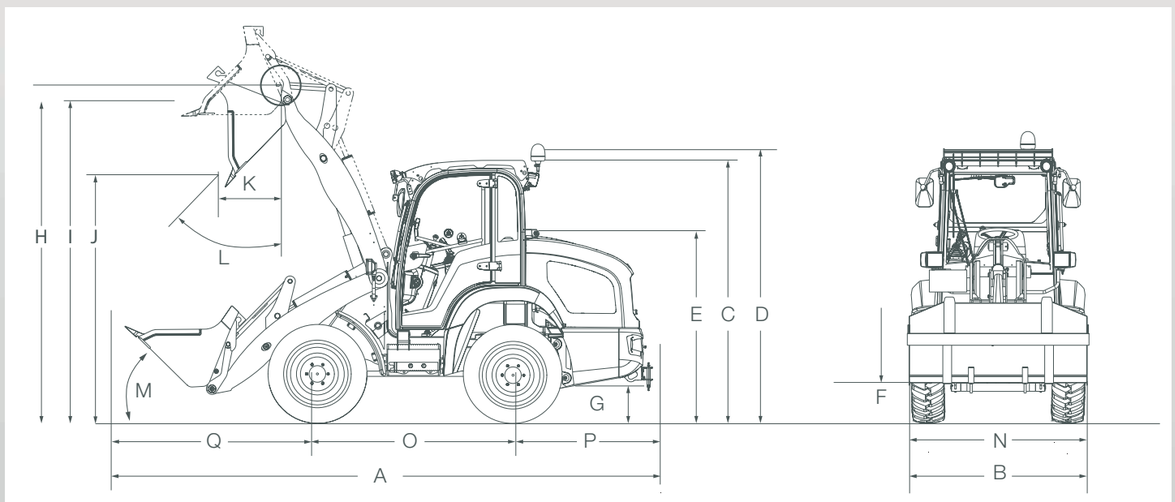
[1] with standard bucket 1000260472 (S) or 1000275101 (L)2
[2] with towing device
[3] with 12.0–18 tyres
[4] with rotating beacon + 200 mm (+7.9 in)
[5] with 325/70 R18 tyres (–10 mm) (–0.39 in) with 365/70 R18 tyres (+10 mm) (+0.39 in)/ with 335/80 R18 tyres (+30 mm) (+1.81 in) with 340/80 R 18 tyres (+25 mm) (+0.98 in)

BATTERY (Standard)

	Unit	Lead acid Fleece**	Lead acid
Supply voltage of battery charger	V	240 (power-break contactor plug)	400 (CEE plug)
Battery voltage	V	80	80
Rated capacitance	Ah	416	495
Battery weight	kg	1,230	1,185
Charging time	h	6–7	6–7
Running time* long-time application	h	3	3.4
Running time* of normal activities (uninterrupted)	h	5	5

* Determined using Kramer test cycle.

** With integrated battery charger



Technical data

Operating and performance data	Unit	
Bucket content (standard bucket)	m^3	0.65
Operating weight (standard features)	kg	4,130
Quickhitch system	–	hydraulic
Motors	**Unit**	
Make drive train/working hydraulic	–	JULI / Jungheinrich
Type/Model	–	asynchronous
Performance drive train/ working hydraulic	kW	15 kW / 22 kW
Max. torque (Nm)	rpm	220 Nm (0–1,200 rpm)
Exhaust emission stage	–	Emission-free
Power transmission	**Unit**	
Drive system	–	continuously adjustable electric drive system
Travel speed	km/h	0–16
Axles	–	Planetary steering axles
Total oscillation angle rear axle	°	16
Differential lock	–	100% VA
Service brake	–	Hydraulic disc brake
Parking brake	–	electrically loosened spring-loaded brake
Standard tyres	–	12.0–18
Steering and work hydraulics	**Unit**	
Functionality	–	Hydrostatic all-wheel steering with emergency steering properties Front drum steering (option)
Steering pump	–	Gear pump via priority valve
Steering cylinder	–	Double-acting with independent final position synchronisation
Max. steering lock	°	2x38
Work pump	–	Gear pump
Max. flow rate (pump)	l/min	54
Max. pressure	bar	235

Kinematics	Unit	
Design system	–	P-kinematics
Lift capacity/tearout force	kN	30.4/28
Lift cylinder raising/lowering	s	5.0/3.2
Tipping cylinder filling/emptying bucket	s	2.8/3.2
Tipping load (standard bucket)	kg	2,500
Tipping load (pallet)	kg	2,250
Payload S=1.25 (pallet forks)	kg	1,750
Payload S=1.67 (pallet forks)	kg	1,300
Scraping depth	mm	-55
Payload in transport position	kg	2,000
Capacities	**Unit**	
Hydraulic tank	l	40
Electrical system	**Unit**	
Operating voltage	V	80 V DC/48 V AC drive and hydraulic drive
Battery	Ah/A	416 Ah AGM/495 Ah tensor
Noise emissions**	**Unit**	
Measured value	dB(A)	82
Vibrations***	**Unit**	
Vibration total value of the upper body extremity	–	< 2.5 m/s^2 (< 8.2 $feet/s^2$)
Highest effective value of weighted acceleration for the body	–	< 0.5 m/s^2 (< 1.64 $feet/s^2$)

** Information: Measured according to the requirements of the standard DIN EN 474-1 and Directive 2000/14/EC. Measuring station: Paved surface.

*** Uncertainty of the vibration measuring devices according to the requirements of standards DIN EN 474-1 and EN 12096. Please instruct or inform the operator of possible dangers caused by vibrations.

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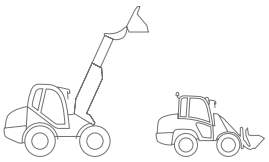
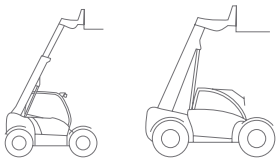
Wheel loaders



Tele wheel loader



Telehandlers

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

Finance

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