Elite
Kramer Allrad Wheel Loaders
380 • 480 • 580 • 680 • 780
Everyone a winner:
Together – what a team!

Perfect formation.
SOMETHING REALLY SPECIAL TO LOOK UP TO: HAND-SOME, IMPRESSIVE AND INSPIRATIONAL. THE PERFECT INTERPLAY OF TECHNOLOGY, CAPABILITY AND DYNAMISM. SIMPLY SOARING PERFORMANCE.

The 80 Series from Kramer establishes a benchmark. Not only are these models at the technological cutting-edge and in tune with the times, they also represent an aspirational model for an entire generation. They form an elite that not only looks superior but performs that way too.

Peak performance for every job.
Perfect balance:
Perfect qualities.

1. System bearer
   Not only are the wheel loaders of the 80 Series technically sophisticated, they are also sturdy, all-terrain system bearers for the widest variety of tool attachments. They suit the modern world better than ever, since they are compact, powerful, intelligent and enormously adaptable. These are machines with practically limitless possibilities.

2. Attachment areas
   Technical possibilities from front to back to fully exploit the machine’s strengths and capabilities: the 80 Series models are built for versatility. With Powerflow hydraulics, 3-point adapter with PTO and high-sensitivity steering, you are always guaranteed power with pinpoint accuracy.

3. Steering modes
   Kramer all-wheel steering is legendary. Front-wheel steering mode plays to the vehicle’s strengths when higher speeds are the order of the day, and crab steering offers invaluable aid in conditions of precision working. The models of the 80 Series take every challenge in their stride, driving you towards success in every working process. No matter what.

4. Comfort zones
   If you work in comfort, you work a whole lot better. This is why the four comfort zones – cab, seat, controls and easy maintenance access – should in no way be considered as "luxuries". From the colour coding of the displays to the joystick and adjustable steering column, the needs of the operator always come first.

5. Model ranges
   Kramer is the versatility specialist, and has the right machine for every job, every type of customer and every type of application: mini-loader, wheel loader, tele wheel loader, compact telehandler and telehandler. These five model lines are perfectly complementary in terms of market positioning, offering a sound basis for providing bespoke solutions to individual customer needs.
ALL-ROUND STRENGTHS. FROM PERFORMANCE TO VALUE-FOR-MONEY. FROM EASY HANDLING TO USER COMFORT. FROM FUNCTION TO DESIGN. A RADICAL RETHINK THAT OPENS UP A VISTA OF NEW PERSPECTIVES. ALL UNDERPINNED BY A SOLID STRUCTURE.

1 Stable whatever the surface. Safe travel guaranteed at all times, even across the most rugged terrain.

2 High thrust force always on call. Efficient working thanks to the perfect interplay of engine and hydraulics.

3 More room to manoeuvre. Turning on a sixpence with no risk of accidental tipping. Precision steering. Kramer drivers are the masters of every situation.
An outright winner on the testbed of practical experience: the slim build, optimal power-to-weight ratio and high-grade components guarantee efficient deployment and lasting value for money.

The 80 Series models already fulfil all the requirements that in the future will matter more than ever:

- **comprehensive performance specs**, stacks in reserve, sensitive hydraulics and practically-orientated equipment within clearly defined categories.
- **High thrust and tear-out forces** can be called upon at any time and, thanks to Kramer design principles, are easy and safe to deploy.
- **Long-lasting quality and high availability**, supported and assured on the strength of easy maintenance, qualified Kramer partners, tried-and-tested servicing plans and comprehensive guarantees.
- **Incredible flexibility** and versatility in deployment.

-Constant high payload over the entire steering angle range.
-No risk of tipping on tight bends.
-Security and speed maintained even on harsh terrain.
-Load stability with no ifs or buts.
2 attachment areas:
Multiple usages.
The wheel loader as the hub of a complementary system.
THE WHEEL LOADER AS THE FOUNDATION FOR MAXIMUM FLEXIBILITY:

- All options available ex-works with mutually compatible components
- Hanging pedals for sensitive braking/inching function
- Stepless Ecospeed high-speed drive up to 40 kph
- One-piece chassis as foundation for many attachment tools (stability)
- Roomiest comfort cab on the market
- Innovative multifunction joystick with night mode
- 3 steering modes (all-wheel, front-wheel and crab steering)
- Proportional steering for auxiliary control circuit
- Ergonomic cockpit
- Boarding access from either side
- Optimal heating and cooling performance
- Pilot-controlled work hydraulics
- 3rd control circuit integrated in joystick
- Air conditioning
- Programmable auxiliary heating
- Chiller box
- Low-speed control
- Manual throttle
- Unpressurised reflux
- Heated outside mirrors
- Heated seat
FRONT TOOL ATTACHMENT AREA:
- Hydraulic quick-hitch
- Tool attachment compatibility stretching back over 40 years
- Powerflow high-performance hydraulics
- Generously-dimensioned hose lines
- Work platform attachments
- Hose lines on vehicle for 3rd and 4th control circuits
- Hose burst valves for material handling safety
- Shock absorber with automatic function (load stabiliser)
- 4th control circuit
- Front power socket

REAR TOOL ATTACHMENT AREA:
- Trailer coupling (ball coupling and automatic)
- Rear hydraulics
- Tipper connection for trailer
- Air brake unit for trailer loads of up to 14 tonnes
- Rear power socket
- Reversing camera
Machines become systems. Work becomes processes. Technology has to serve the workflow. Kramer brings you the edge you require.

Future-proofing, ensuring broad possibilities and active support for versatile deployment. Technology that grows as your tasks evolve. Tools for the job that fit like a glove. In the Kramer 80 Series, all this is not just made possible, it is already “built-in”.

1. Snowplough and spreader
2. Snowblower
3. Sweeper
4. Work platform
5. Grab bucket
6. Pallet forks
7. Trailer coupling (ball coupling or automatic)
8. Trailer coupling with tipper hydraulics and brake unit
9. Hydraulic spreader
STANDARD ATTACHMENTS
With the hydraulic Kramer quick-hitch system, standard tool attachments can be switched with ease from the driver’s seat in less than 10 seconds. Work safer, faster.

HYDRAULICALLY OPERATED ATTACHMENTS
Thanks to the proportional technology, the hydraulics can be controlled sensitively, effortlessly and with extreme precision via the joystick. A 3rd control circuit with continuous operation function is integrated as standard. A 4th circuit is available as an option.

POWERFLOW ATTACHMENTS
Optional high-performance hydraulics with up to 35 kW hydraulic power for the highest performance, even in continuous operation. This means that even power-intensive tool attachments such as cold planers and snowblowers can be operated without any difficulty.

PTO ATTACHMENTS
An enormous plus-point for even greater flexibility and cost-effectiveness. Using the three-point adapter with PTO, devices such as wood shredders and winches can also be operated. This makes the models of the 80 Series the definitive jacks-of-all-trades.

2 attachment areas: All-around performance.
3 steering modes:
A nifty mover.
All-wheel and front-wheel steering.
Crab steering.

The best steering mode is always the one best-suited to the current situation. With your 80 Series machine you’re kept automatically on the right track.

The flexibility of Kramer wheel loaders associated with the Kramer all-wheel steering mode is legendary. Front-wheel steering mode is activated in order to be able to travel faster than 20 kph, so as to guarantee drive performance and safety at higher speeds and in highway traffic. As for the crab steering mode, this is ideal in cramped conditions. It allows the wheel loader to drive up to an object with centimetre precision. This mode also allows tool attachments to be deployed in offset to the drive direction of the wheel loader.
3 steering modes:
Full-fledged towing vehicle. Compliant with Europe-wide standards.* Enabled through Ecospeed.

Ecospeed is a stepless high-speed drive, co-developed by Kramer, which allies maximum efficiency with optimal environmental sustainability.

Ecospeed works intelligently and optimises every second the interplay of drive performance, traction force, fuel consumption and emission values. Ecospeed translates the situational requirements into rapid, direct acceleration and into smooth and silky changes in direction. This enables particularly high handling capacity while at the same time saving on resources, and is highly advantageous when moving intensively back and forth, such as when loading and unloading lorries. The benefits in terms of time savings and operator comfort kick in straightaway.
Ecospeed and trailer coupling together make the wheel loader the perfect towing vehicle. It has now also received EU tractor certification for use on the public highway.

- Up to 14 tonnes trailer load.*
- Tool attachments, construction machinery and materials can all be transported together, with the cost savings this entails.
- Considerably reduced TCO when compared to work machines that are subject to registration (automobile insurance, tax, etc.); the extra costs for the trailer coupling may be written off after only one year.
- All tool attachments can remain attached when driving on the road.*
- It is possible to drive with a loaded bucket.*

* the national provisions and regulations must be observed.

Kramer Ecospeed drive:
Translating to a tee today’s requirements into tomorrow’s practical applications:

- EU tractor standard for use on European streets*
- Stepless from 0 – 40 kph
- Minimal fuel consumption
- Reduced noise emissions

The combination of the intelligent drive system with the trailer coupling on the Kramer machine offers yet another major plus: the possibility of using it as a full-fledged, dynamic towing vehicle.

### MAXIMUM PERMISSIBLE TRAILER WEIGHTS*

<table>
<thead>
<tr>
<th>WHEEL LOADER</th>
<th>without brake</th>
<th>with brake ball coupling</th>
<th>with brake automat. trailer hitch</th>
<th>with brake and brake unit</th>
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<tbody>
<tr>
<td>380</td>
<td>750 kg</td>
<td>3500 kg</td>
<td>8000 kg</td>
<td>–</td>
</tr>
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<td>480</td>
<td>750 kg</td>
<td>3500 kg</td>
<td>8000 kg</td>
<td>–</td>
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<td>580</td>
<td>750 kg</td>
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</tr>
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<tr>
<td>780</td>
<td>750 kg</td>
<td>3500 kg</td>
<td>8000 kg</td>
<td>–</td>
</tr>
</tbody>
</table>
4 comfort zones:
Spacious comfort cab.
Optimal maintenance access.
Perfect all-round visibility.

Premium quality inside and out: the generously dimensioned Kramer comfort cab is a performance centre with all the character of a cockpit.

Safe, broad doorways on both sides of the wheel loader, joystick with function lighting and a panoramic all-round view for the driver in whatever position testify to the design qualities of the 80 Series, both inside and out. The hanging pedals facilitate the cleaning of the cab floor and the ergonomically-shaped driver’s seat can be adjusted, as can the steering column. The situation and form of the controls and of the maintenance access were developed on the basis of practical tests.

All this makes the 80 Series not only more comfortable and safer, but also makes it a pleasure to handle. Every aspect makes abundantly clear just how consistently the focus was set on the human operator for whom this spacious and productive workspace was designed.
1. Lots of room, great visibility: perfect all-round views and a well-appointed workspace. The instruments are colour-coded so that the driver can see all functions at a glance.

2. The adjustable seats and steering column ensure that each Kramer model of the 80 Series is a genuinely individual machine.

3. The easy maintenance access ensures that daily checks will become second nature.

4. Multifunction joystick with integrated function lighting. The driver can always keep one hand on the steering wheel.
5 model ranges:
Perfect formation.
Ideal balance of payload,
performance and bucket capacity.

ALL KRAMER LOADERS COME OFF THE PRODUCTION LINE OF A LEADING COMPACT MACHINERY MANUFACTURER BASED IN THE HEART OF EUROPE. THEY BEAR THE HALLMARK OF QUALITY, STABILITY AND CONSISTENCY THAT YOU CAN RELY ON: TYPICALLY “MADE IN GERMANY”. EVERY MODEL IS BUILT TO LAST AND IS A MODULAR ELEMENT OF AN OVERALL SYSTEM.

ONE PART FITS INTO ANOTHER, AND EVERYTHING IS FUTURE-PROOFED, FOR LONG-TERM COST-EFFECTIVENESS.

Find a dealer at: www.kramer.de/Haendler
### MINI-LOADERS

<table>
<thead>
<tr>
<th>Model</th>
<th>Engine Output</th>
<th>Bucket Capacity</th>
<th>Max. Payload</th>
<th>Weight</th>
<th>Turning Radius (Tyres)</th>
<th>Max. Speed</th>
<th>Max. Load-over Height</th>
</tr>
</thead>
<tbody>
<tr>
<td>250 ROPS</td>
<td>16 kW / 22 PS</td>
<td>0.25 – 0.45 m³</td>
<td>850 kg</td>
<td>1540 kg</td>
<td>1950 mm</td>
<td>0 – 20 km/h</td>
<td>2680 mm</td>
</tr>
<tr>
<td>350 ROPS</td>
<td>27 kW / 37 PS</td>
<td>0.35 – 0.55 m³</td>
<td>970 kg</td>
<td>1620 kg</td>
<td>1950 mm</td>
<td>0 – 20 km/h</td>
<td>2680 mm</td>
</tr>
<tr>
<td>350 CAB</td>
<td>27 kW / 37 PS</td>
<td>0.35 – 0.55 m³</td>
<td>970 kg</td>
<td>1720 kg</td>
<td>1950 mm</td>
<td>0 – 20 km/h</td>
<td>2680 mm</td>
</tr>
<tr>
<td>180</td>
<td>23 kW / 31 PS</td>
<td>0.3 – 0.4 m³</td>
<td>950 kg</td>
<td>1860 kg</td>
<td>1940 mm</td>
<td>0 – 20 km/h</td>
<td>2458 mm</td>
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<tr>
<td>280</td>
<td>28 kW / 40 PS</td>
<td>0.65 – 1.1 m³</td>
<td>1900 kg</td>
<td>3300 kg</td>
<td>2430 mm</td>
<td>0 – 20 km/h</td>
<td>2820 mm</td>
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### WHEEL LOADERS

<table>
<thead>
<tr>
<th>Model</th>
<th>Engine Output</th>
<th>Bucket Capacity</th>
<th>Max. Payload</th>
<th>Weight</th>
<th>Turning Radius (Tyres)</th>
<th>Max. Speed</th>
<th>Max. Load-over Height</th>
</tr>
</thead>
<tbody>
<tr>
<td>750</td>
<td>45 kW / 61 PS</td>
<td>0.75 – 1.15 m³</td>
<td>2300 kg</td>
<td>4200 kg</td>
<td>2550 mm</td>
<td>0 – 30 km/h</td>
<td>2915 mm</td>
</tr>
<tr>
<td>850</td>
<td>45 kW / 61 PS</td>
<td>0.85 – 1.3 m³</td>
<td>2350 kg</td>
<td>4500 kg</td>
<td>2550 mm</td>
<td>0 – 30 km/h</td>
<td>3100 mm</td>
</tr>
<tr>
<td>950</td>
<td>58 kW / 79 PS</td>
<td>0.95 – 1.6 m³</td>
<td>2500 kg</td>
<td>4700 kg</td>
<td>2780 mm</td>
<td>0 – 30 km/h</td>
<td>3120 mm</td>
</tr>
<tr>
<td>1150</td>
<td>58 kW / 79 PS</td>
<td>1.15 – 1.8 m³</td>
<td>3500 kg</td>
<td>5900 kg</td>
<td>2850 mm</td>
<td>0 – 30 km/h</td>
<td>3235 mm</td>
</tr>
<tr>
<td>380</td>
<td>45 kW / 61 PS</td>
<td>0.75 – 1.15 m³</td>
<td>2400 kg</td>
<td>4300 kg</td>
<td>2900 mm</td>
<td>0 – 40 km/h</td>
<td>2915 mm</td>
</tr>
<tr>
<td>480</td>
<td>58 kW / 79 PS</td>
<td>0.85 – 1.3 m³</td>
<td>2600 kg</td>
<td>4750 kg</td>
<td>2900 mm</td>
<td>0 – 40 km/h</td>
<td>3100 mm</td>
</tr>
<tr>
<td>580</td>
<td>58 kW / 79 PS</td>
<td>0.95 – 1.5 m³</td>
<td>2750 kg</td>
<td>4900 kg</td>
<td>2900 mm</td>
<td>0 – 40 km/h</td>
<td>3050 mm</td>
</tr>
<tr>
<td>680</td>
<td>58 kW / 79 PS</td>
<td>1.05 – 1.6 m³</td>
<td>3100 kg</td>
<td>5650 kg</td>
<td>2950 mm</td>
<td>0 – 40 km/h</td>
<td>3050 mm</td>
</tr>
<tr>
<td>780</td>
<td>58 kW / 79 PS</td>
<td>1.15 – 1.8 m³</td>
<td>3500 kg</td>
<td>6100 kg</td>
<td>2950 mm</td>
<td>0 – 35 km/h</td>
<td>3200 mm</td>
</tr>
<tr>
<td>880</td>
<td>88 kW / 120 PS</td>
<td>1.5 – 2.5 m³</td>
<td>4500 kg</td>
<td>8400 kg</td>
<td>3450 mm</td>
<td>0 – 35 km/h</td>
<td>3530 mm</td>
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### TELE WHEEL LOADERS

<table>
<thead>
<tr>
<th>Model</th>
<th>Engine Output</th>
<th>Bucket Capacity</th>
<th>Max. Payload</th>
<th>Weight</th>
<th>Turning Radius (Tyres)</th>
<th>Max. Speed</th>
<th>Max. Load-over Height</th>
</tr>
</thead>
<tbody>
<tr>
<td>750T</td>
<td>45 kW / 61 PS</td>
<td>0.75 – 1.2 m³</td>
<td>2000 kg</td>
<td>5100 kg</td>
<td>2550 mm</td>
<td>0 – 30 km/h</td>
<td>4510 mm</td>
</tr>
<tr>
<td>680T</td>
<td>58 kW / 79 PS</td>
<td>0.95 – 1.6 m³</td>
<td>2600 kg</td>
<td>5950 kg</td>
<td>2850 mm</td>
<td>0 – 40 km/h</td>
<td>4450 mm</td>
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### COMPACT TELEHANDLERS

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<th>Model</th>
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<th>Bucket Capacity</th>
<th>Max. Payload</th>
<th>Weight</th>
<th>Turning Radius (Tyres)</th>
<th>Max. Speed</th>
<th>Max. Load-over Height</th>
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</thead>
<tbody>
<tr>
<td>1245</td>
<td>23 kW / 31 PS</td>
<td>0.4 – 1.03 m³</td>
<td>1200 kg</td>
<td>2530 kg</td>
<td>2607 mm</td>
<td>0 – 20 km/h</td>
<td>4130 mm</td>
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<tr>
<td>2506</td>
<td>50 kW / 68 PS</td>
<td>0.85 – 1.8 m³</td>
<td>2500 kg</td>
<td>4300 kg</td>
<td>3500 mm</td>
<td>0 – 30 km/h</td>
<td>5730 mm</td>
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### TELEHANDLERS

<table>
<thead>
<tr>
<th>Model</th>
<th>Engine Output</th>
<th>Bucket Capacity</th>
<th>Max. Payload</th>
<th>Weight</th>
<th>Turning Radius (Tyres)</th>
<th>Max. Speed</th>
<th>Max. Load-over Height</th>
</tr>
</thead>
<tbody>
<tr>
<td>3307</td>
<td>88 kW / 120 PS</td>
<td>1.2 – 2.5 m³</td>
<td>3300 kg</td>
<td>7200 kg</td>
<td>3600 mm</td>
<td>0 – 40 km/h</td>
<td>7050 mm</td>
</tr>
<tr>
<td>4507</td>
<td>88 kW / 120 PS</td>
<td>1.2 – 3.0 m³</td>
<td>4400 kg</td>
<td>8100 kg</td>
<td>3600 mm</td>
<td>0 – 40 km/h</td>
<td>7050 mm</td>
</tr>
<tr>
<td>4009</td>
<td>88 kW / 120 PS</td>
<td>1.2 – 3.0 m³</td>
<td>4000 kg</td>
<td>8600 kg</td>
<td>3850 mm</td>
<td>0 – 40 km/h</td>
<td>8825 mm</td>
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</tbody>
</table>
Genuine competence only becomes established when know-how, ability and customer-orientation have been consolidated over many years to become a distinctive style. The success story of Kramer is telling proof of this adage:

- **Over 50 years of experience in the development, design and production of intelligent, durable and versatile construction machinery.** Structures that have grown organically.

- **Innovation bringing progress to life.** Kramer constantly strives to make things work better. This is how the brand has become the acknowledged pioneer and market leader that it is today.

- **Consistent customer orientation, personal contacts,** the flexibility and short decision pathways of a medium-sized enterprise, along with the security of guaranteed and rapid spare parts procurement with no red tape.

- **A broad one-stop product and service spectrum:** “Made in Germany”, in the Bodensee region. Development, production, purchasing and sales all on one site.

- **The most up-to-date manufacturing facilities with in-house paint shop** and an experienced workforce, who personally invest a great deal of value in the quality of “their machines”.

- **Robust, long-standing trading partners** and well-trained contacts who represent Kramer out of conviction and for whom one thing counts above all else: loyal and contented customers.
1925 Founding of the company as a manufacturer of motor mowers.
1963 Kramer is the first manufacturer to present a hydraulic quick-hitch mechanism.

1965 The innovative load stabiliser for the boom arm is developed by Kramer engineers.
1967 The first all-wheel-steering wheel loader is launched on the market. The steering system continues to be found in all Kramer vehicles.

1992 In order to satisfy customer requirements, Kramer develops a wheel loader with telescopic boom. The extra pallet height and reach give customers what they were looking for.
2000 The Neuson and Kramer companies merge to become Neuson Kramer Baumaschinen AG, a company specialising in the development and manufacturing of compact machinery.

2003 Kramer presents the first wheel loader series with stepless high-speed drive (“Ecospeed”) and highway-certified trailer coupling.
2005 A new vehicle segment – the telehandler – is developed and unveiled. Through cooperation with the agricultural machinery manufacturer, Claas, telehandlers are successfully marketed to the agricultural sector.

2007 A new company is born: Neuson Kramer Baumaschinen AG and Wacker Construction Equipment AG come together to form Wacker Neuson SE, a comprehensive provider of Light and Compact Equipment.
2008 Due to increasing demand and the expansion of the product range, Kramer builds a new factory from scratch in Pfullendorf. This is one of the most up-to-date manufacturing sites in Europe.
Awe-inspiring:
Soaring on the wings of technology.
With standard bucket and standard tyres (front view)

With standard bucket and standard tyres

**DIMENSIONS**

<table>
<thead>
<tr>
<th></th>
<th>380</th>
<th>480</th>
<th>580</th>
<th>680</th>
<th>780</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Height (without protective grille)</td>
<td>2450 mm</td>
<td>2480 mm</td>
<td>2480 mm</td>
<td>2640 mm</td>
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<td>B</td>
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<tr>
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<tr>
<td>E</td>
<td>Wheelbase</td>
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<td>2020 mm</td>
<td>2150 mm</td>
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<tr>
<td>F</td>
<td>Centre of front axle to tip of teeth</td>
<td>1570 mm</td>
<td>1770 mm</td>
<td>1900 mm</td>
<td>1940 mm</td>
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<tr>
<td>G</td>
<td>Centre of rear axle to end of vehicle</td>
<td>1480 mm</td>
<td>1490 mm</td>
<td>1490 mm</td>
<td>1620 mm</td>
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<tr>
<td>H</td>
<td>Bucket width</td>
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<td>1850 mm</td>
<td>1950 mm</td>
<td>2050 mm</td>
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<tr>
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<td>3250 mm</td>
<td>3285 mm</td>
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<td>J</td>
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<td>3100 mm</td>
<td>3050 mm</td>
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<td>K</td>
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<th>580</th>
<th>680</th>
<th>780</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.75 – 1.15 m³</td>
<td>0.85 – 1.3 m³</td>
<td>0.95 – 1.5 m³</td>
<td>1.05 – 1.6 m³</td>
<td>1.15 – 1.8 m³</td>
<td></td>
</tr>
</tbody>
</table>

| Weight          | 4300 kg | 4750 kg | 4900 kg | 5650 kg | 6100 kg |

| Turning radius wheel | 2900 mm | 2900 mm | 2900 mm | 2950 mm | 2950 mm |

### ENGINE

<table>
<thead>
<tr>
<th>Make / Type / Model</th>
<th>Deutz D 2011 L04 W in-line diesel engine</th>
</tr>
</thead>
<tbody>
<tr>
<td>Output</td>
<td>45 kW / 61 hp at 2300 rpm</td>
</tr>
<tr>
<td>Max. torque</td>
<td>210 Nm at 1700 rpm</td>
</tr>
<tr>
<td>Weight</td>
<td>4300 kg</td>
</tr>
<tr>
<td>Turning radius wheel</td>
<td>2900 mm</td>
</tr>
<tr>
<td>ENGINE</td>
<td></td>
</tr>
</tbody>
</table>

### POWER TRANSMISSION

| Drive speed                          | 0 – 20 kph                               |
| Total oscillation angle              | 22”                                      |
| Differential lock in front and rear axes | Self-locking differential                |
| Service brake                        | foot pedal operated hydraulic disc brake |
| Parking brake                        | hand-operated mechanical disc brake      |

### STEERING AND WORK HYDRAULICS

| Model                                | Parallel kinematics                      |
| Work pump                            | Gear pump                                |
| Flow rate                            | 50 l/min                                 |
| Pressure                             | 240 bar                                  |
| Filter                               | Combined suction reflux filter           |
| Pressure limitation                  | Primary pressure limitation              |

### KINEMATICS

| Lifting capacity                     | 34 kN                                     |
| Tear-out force                       | 31,8 kN                                  |
| Raising Lowering                     | 5,0 sec                                  |
| Tilting in                           | 2,5 sec                                  |
| Tilting out                          | 3,3 sec                                  |
| Tip-in angle                         | 50°                                      |
| Tip-out angle                        | 45°                                      |
| Tipping load (standard bucket)       | 3500 kg                                  |
| Tipping load (pallets)               | 2500 kg                                  |
| Payload S = 1.25 (pallets)          | 2000 kg                                  |
| Payload S = 1.67 (pallets)          | 1500 kg                                  |
| Payload in transport position S = 1.25 (pallets) | 2400 kg |
| Scarping depth                       | 50 mm                                    |

### CAPACITIES

| Fuel tank / Extra tank (optional)    | 85 l / 60 l                             |
| Hydraulic oil tank                  | 50 l                                     |
| NOISE EMISSIONS                      | as per 2000/14/EC                       |
| ELECTRIC SYSTEM                      |                                          |
| Operating voltage / Battery          | 12 V / 88 Ah                            |
| Alternator                           | 95 A                                     |
| Starter                              | 2,3 kW                                  |

* option
PERFORMANCE OPTIONS

- Switch for 100% differential lock.

STANDARD EQUIPMENT

CAB
- Soundproofed, vibration-insulated, 4-point suspension cab, with large, curved, tinted windows. Excellent all around visibility from a spacious and comfortable work environment for increased safety and efficiency. Extremely roomy cab with a large number of storage possibilities. Optimized visibility for a maximum dump height.

Mounting / alighting. The cab can be accessed from both sides using the large and convenient steps, and on the right thanks to the collapsible control console.

Doors. The fully-glazed doors provide optimal side visibility. Both doors can be opened and folded back 180°, and the right-hand door can be locked at an angle of 5°. Full access through right-hand door by folding back the joystick console.

Driver’s seat. Mechanically sprung comfort seat with automatic seat belt, weight adjustment, backrest adjustment and dual horizontal adjustment.

Heating, ventilation. 3-speed powerful heating and ventilation with recirculated-air mode, defroster nozzles on the front windscreen with four additional adjustable nozzles.

Instrument panel. Neatly designed instrument panel with control lights and colour-coded tip switches.

Steering column. Telescopic and incline-adjustable.

Joystick console (collapsible). Ergonomically laid-out cockpit controls including:
- hydraulically pilot-controlled joystick for raising/lowering and tilting in/tilting out the boom, with rocker switch for selecting the drive direction along with integrated 3rd control circuit (proportional steering) for locking/unlocking the quick-hitch plate and for operating hydraulic implements.
- function lighting integrated in the joystick.
- Switch for 3rd control circuit (continuous operation).

Switch for 100% differential lock.

 OPTIONS

CAB
- Air-sprung driver’s seat, FOPS protective screen, protective grille for front windscreen, programmable auxiliary heating (incl. engine preheating), heated seat, heated outside mirrors, air conditioning, tinted glass, radio unit, radio installation setup, rotating beacon, 1 additional rear working light, 2 front working lights

PERFORMANCE OPTIONS
- 4th control circuit for front tool attachments
- Additional circuit for rear tool attachments
- Unpressurised front reflux
- Floating position
- Shock absorber with automatic function (load stabiliser)
- Tipper hydraulics
- Powerflow work hydraulics with increased pump performance
- Electric socket for front and rear tool attachments
- Manual throttle
- Low-speed control
- Fuel and hydraulic fluid pre-heating
- Engine preheating through auxiliary heating
- Work platform attachments
- Crab steering and front-wheel steering
- Automatic bucket return
- Ball coupling for trailer
- Automatic trailer coupling
- Air brake unit

 Tyres
- Wide-base tyres, traction tyres, tyres for industrial applications
- Puncture protection kit
- Foam-filled tyres (up to 20 kph)
- Snow chains

Safety & Security
- Warning stripes
- Engine immobiliser
- Toolkit
- Hose burst valves for lift and tilt rams
- Protection against aggressive environments
- Reversing warning system
- Battery master switch

Ecospeed
- Steepless high-speed drive 0–40 kph
- 107 0–35 kph

Paint other than standard
- Biodegradable oil
- PANOLIN HLP Synth46

Warranty extension

Tool Attachments
- Pallet forks, standard bucket, grab bucket, lightweight materials bucket, super-lightweight materials bucket, high-tilt bucket, side-swing bucket, bulk materials bucket, tree replanter, front ripper, material pusher, work platform, snow shovel, snow blower, cold planer, street cleaner, snow blade, hydraulic rear gratter, trailer, 3-point adapter with PTO
- Other tool attachments on request.
You won’t find the original just anywhere:

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