



Telehandler

804, 1245, 2205, 2706



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Refined, right down to the last nut and bolt.

The compact telehandlers from Kramer.









When it matters...
Safe, even at the limit.



Maximum performance that is state of the art.

And features that give you a competitive edge every day.

Optimised for all work: A Kramer offers an overview and provides safety. A perfectly designed cab, wide pull down windows and a suspension comfort seat are the basis for an effective work performance. The joystick replaces lots of levers. The joystick replaces lots of levers.

Perfect for close quarters: With 1.90 metres of clearance height and 1.41 metres of width, confined working conditions are the true home of the 804. When it matters... Full performance in the smallest space.

Nimble and incredibly agile: A strong hydrostatic all-wheel drive, an inner turning radius of only 595 mm and a travel speed of up to 17 km/h: Convincing values and a high level of mobility from Kramer.









Designed with vision: Low operating weight, ergonomic joystick controls and a comfort cab with 360° panoramic views.

shearing forces.



The Smart Handling driver assistance system does more than comply with safety standard EN 15000 (protection against tipping of the machine in a longitudinal direction). The automatic design of the hydraulic functions also actively supports the operator.

> Outfitted for new tasks in seconds: Saves time, provides safety and sustainably improves the workflow – the hydraulically activated quick-hitch system from Kramer.



Small machines with maximum power output.

The compact and manoeuvrable telehandlers from Kramer.

Compact, manoeuvrable and strong. These are the characteristics of the Kramer telehandler that you will not want to miss out on in the future. With small inner radii and a travel speed of up to 20 km/h, the 804 and the 1245 provide for a new mobility in all areas of work.







| NNER RADII mm | |
|---------------|------|
| 04 | 59 |
| 245 | 82 |
| 205 | 1.19 |
| 706 | 1.70 |



804 and 1245:

- Idea combination of lifting height, width and machine capacity.
- Extremely small turning radii.
- Easy to transport.
- Good working ergonomics and clearly arranged instruments.





Power and performance in perfect form.

You will love every detail.



Lift 2.5 tons of payload nearly 6 metres high.

Whatever the situation.

With this power rating, the 2706 is recommended for your loading and transport work. Combined with the final position dampening in the telescopic cylinder, it makes materials handling even more convenient.



productivity.

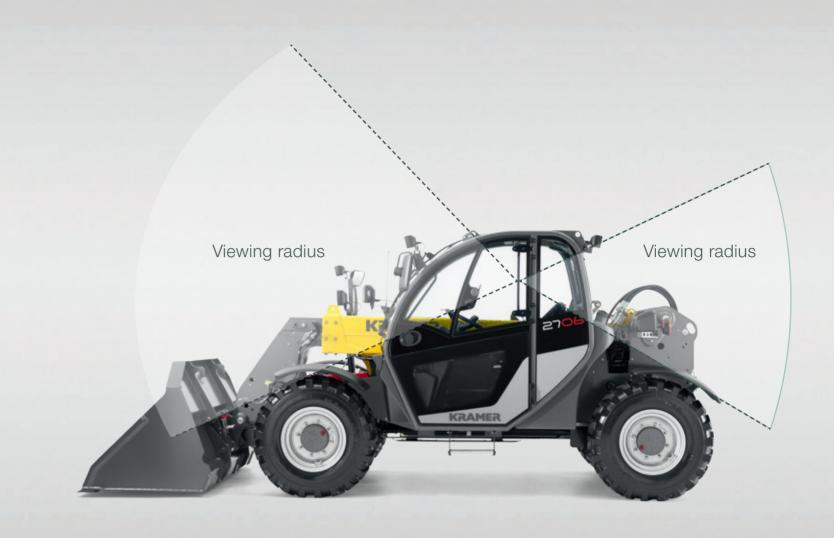
New perspectives in safety and comfort.

This also makes Kramer telehandlers particularly efficient.

The love of the technical solution makes the machine.

And the excitement of working with the machine creates the result.

Kramer's compact telehandlers are strong and quick. They have been built with the human being in mind so that we can use them efficiently and control them safely in all circumstances. The perfect all-round visibility and the practice-oriented arrangement of the operator's controls make the difference.





Complete visibility as standard.

An unobstructed view of the attachment and working area makes it easier to concentrate on the essentials and hence enhances safety.



Built to cope with tough jobs.

The sturdy and stable telehandlers from Kramer.

Regardless of what you are doing. Regardless of what you have planned. With Kramer telehandlers, you are perfectly equipped for any job. On the one hand, this is thanks to the sturdy design and undivided chassis and, on the other to the strong hydraulic system and the perfect sizing of the boom. This makes all difficult on-site construction work easier than ever. But also in open terrain, the telehandlers flawlessly show their strengths with the latest Kramer all-wheel technology and generous ground clearance.



A time-tested and proven principle and backbone of the long-term success of Kramer: The undivided chassis for perfect stability, consistently high payload without if's and but's and the optimal power to weight ratio of the machine.





1 Powerful and stable at the same time

loading and lifting work can be taken care of precisely.

2 Simply drive up to the attachment

hitch it up hydraulically from your seat and safely unlock or lock it with a clear line of sight.







Two machines in one is pretty smart.

And with a high level of stability.



Stricter requirements for the steadiness of telehandlers are an important topic for the manufacturer. That is why the standard EN 15000 requires an overload protection system for telehandlers in order to avoid the vehicle tipping over in the longitudinal direction during static operation. This is used for the maximum protection of the operator and machine. Practice, however, has shown: Safety is often at the expense of productivity. For example, because hydraulic functions simply shut down in the event of an overload.

We at Kramer have given a great deal of thought to how we can make a virtue out of necessity and also offer our customers an added value.

Smart handling: three* modes for all requirements

Bucket mode

- When lowering the loading system, it is always automatically retracted.
- During this lowering motion, the machine never enters into the overload range, even at maximum payload.

Stacking mode

- When lifting and lowering, the loading system automatically moves the telescopic arm in a vertical line and telescopes out automatically.
- The centre of gravity of the load does not shift and the machine remains in the safe range.
- · This makes stacking faster at greater heights.

Manual mode*

- When lowering the boom, the telescopic arm is not automatically retracted.
- If the overload limit is reached, the lowering motion stops—only lifting, retracting or dumping the material is now possible.
- The lowering speed increases with a decreasing angle.



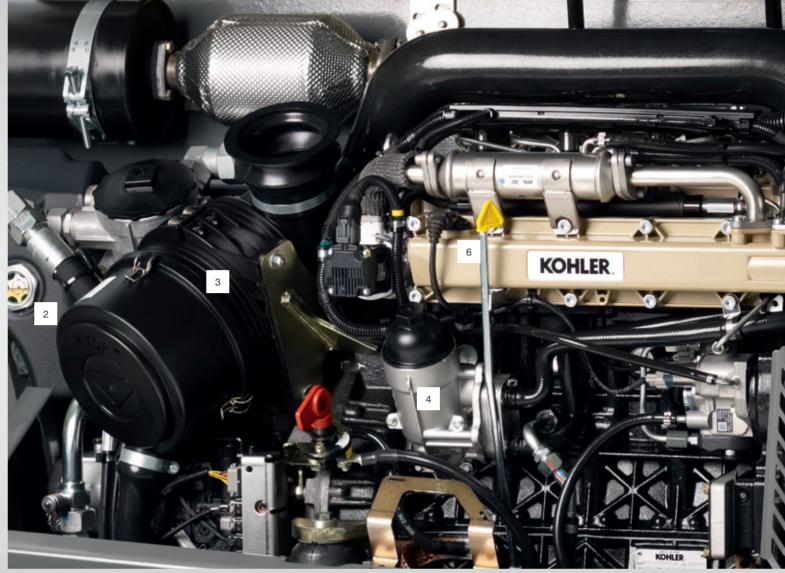
Simply select Smart handling: A mode selection is made on the keypad.

Our attitude about the topic of maintenance?

Open for a quick and easy service.

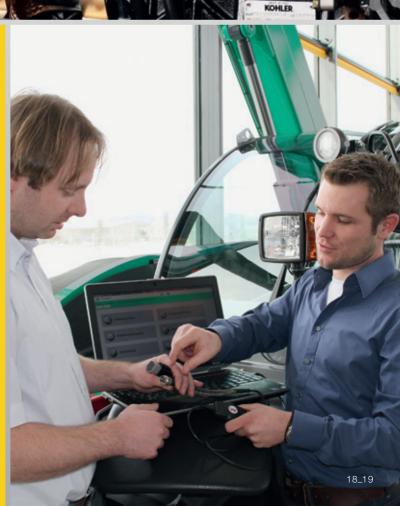
Kramer telehandlers also offer excellent access to all components for quick and easy service and maintenance work. Simply open the bonnet and perform the maintenance – and you are back to full application in no time. But there's more. Thanks to the latest fault diagnosis tool, errors in the electronic system or in the hydraulic system can also be found quickly and easily. All of this saves time, money and nerves.





All important maintenance points at a glance:

- 1 Filling neck for hydraulic oil
- 2 Inspection glass for the hydraulic oil fill level
- 3 Air cleaner
- 4 Engine oil filter
- 5 Engine cooling expansion tank
- 6 Dipstick for motor oil fill level
- 7 Batterie Cover can be removed with a few screws, for example to replace the battery
- 8 The floor plates and covers for the lower part of the crankcase can be removed with a few simple steps for optimal service access, for example to change the engine oil



Your Kramer telehandler:

Adapted to your personal needs.

With Kramer, you are also on the safe side - we offer you our telehandlers already with good, comprehensive and sturdy standard equipment. In addition, with our different options, you can assemble your machine in terms of drive system, tyres, hydraulics and the driver's cab so that it is one-hundred per cent tailored to you and your work tasks.



2706

Standard equipment and options.

| Pytrostatic all-wheel drive | | 804 | 1245 | 2205 | 2 |
|--|---|-----|------|------|---|
| 100% differential lock | DRIVE SYSTEM | | | | |
| Travel speed 0 − 17 km/h - - Travel speed 0 − 20 km/h - - Speed increase to 28 km/h - - Speed increase to 30 km/h - - TYRES Tyres 10.0 - 15 AS ET20 - - Tyres 10.5 / 80 - 18 AS ET40 - - Tyres 10.5 / 80 - 18 AS ET0 - - Tyres 12.5 - 18 MPT01 - - 3. control circuit, front - - 3. control circuit, front proportionally via joystick - - 3. control circuit, front proportionally via joystick - - 4. control circuit, front proportionally via joystick - - 5. control circuit, front proportionally via joystick - - 4. control circuit, front proportionally via joystick - - 5. control circuit, front proportionally via joystick - - 6. control circuit, front proportionally via joystick - - 7. control circuit, front proportionally via joystick - - - 8. control circu | Hydrostatic all-wheel drive | • | • | • | |
| Travel speed 0 - 20 km/h | 100% differential lock | 0 | 0 | 0 | |
| Speed increase to 28 km/h | Travel speed 0 – 17 km/h | • | - | - | - |
| TYRES Tyres 27 x 10.0 - 15 AS ET20 • • • • • • • • • • • • • • • • • • • | Travel speed 0-20 km/h | | • | • | |
| TYRES Tyres 27 x 10.0 - 15 AS ET20 | Speed increase to 28 km/h | | 0 | - | - |
| Tyres 10.0 / 15 AS ET20 Tyres 10.0 / 75 - 15.3 AS ET40 Tyres 10.5 / 80 - 18 AS ET0 Tyres 12.5 - 18 MPT01 | Speed increase to 30 km/h | _ | - | 0 | (|
| Tyres 10.0 / 75 - 15.3 AS ET40 - <t< td=""><td>TYRES</td><td></td><td></td><td></td><td></td></t<> | TYRES | | | | |
| Tyres 10.5 / 80 - 18 AS ET0 | Tyres 27 x 10.0 - 15 AS ET20 | • | - | _ | |
| Tyres 12.5 – 18 MPT01 HYDRAULICS 3. control circuit, front 3. control circuit, front proportionally via joystick 4. control circuit, feront proportionally via joystick 5. control circuit, front proportionally via joystick 6. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. | Tyres 10.0 / 75 - 15.3 AS ET40 | | • | _ | |
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| 3. control circuit, front proportionally via joystick 3. control circuit comfort, via touch button on joystick 4. control circuit, electrically double-acting 6. Control circuit, electrically double-acting 7. Control circuit, electrically double-acting 8. Control circuit, electrically double-acting 9. Control circuit, feuction on joystick 9. Control circuit, electrically double-acting 9. Control circuit double-acting 9. Control circuit double-acting 9. Control circuit double-acting 9. Contro | HYDRAULICS | | | | |
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| 4. control circuit, electrically double-acting High Flow single-acting Unpressurised reverse travel Engine pre-heating + hydraulic oil 230 V Three-point rear tool holder PTO at 540 rpm DRIVER'S CABIN Operator's canopy roll-over protective structure and FOPS-tested (right window) Front window with washer Rear window Cab with heater, fan and windscreen wiper roll-over protective structure and FOPS-tested (fully glazed) Work light on the driver's cabin LED work light Comfort seat with safety belt Comfort seat with safety belt Comfort seat with air cushioning and safety belt Heated seat Lighting equipment according to Road Traffic Regulations Data confirmation OTHERS Smart Handling overload assistance system Load stabiliser Fully automatic central lubrication unit | 3. control circuit, front proportionally via joystick | | - | • | |
| High Flow single-acting Unpressurised reverse travel Unpressurised reverse travel Engine pre-heating + hydraulic oil 230 V Three-point rear tool holder PTO at 540 rpm DRIVER'S CABIN Operator's canopy roll-over protective structure and FOPS-tested (right window) Front window with washer Rear window Cab with heater, fan and windscreen wiper roll-over protective structure and FOPS-tested (fully glazed) Work light on the driver's cabin LED work light Comfort seat with safety belt Comfort seat with safety belt Comfort seat with air cushioning and safety belt Lighting equipment according to Road Traffic Regulations Data confirmation OTHERS Smart Handling overload assistance system Load stabiliser Fully automatic central lubrication unit | 3. control circuit comfort, via touch button on joystick | 0 | 0 | • | |
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| Three-point rear tool holder - | Unpressurised reverse travel | | 0 | 0 | (|
| PTO at 540 rpm DRIVER'S CABIN Operator's canopy roll-over protective structure and FOPS-tested (right window) Front window with washer Rear window Cab with heater, fan and windscreen wiper roll-over protective structure and FOPS-tested (fully glazed) Work light on the driver's cabin LED work light Comfort seat with safety belt Comfort seat with air cushioning and safety belt Heated seat Lighting equipment according to Road Traffic Regulations Data confirmation OTHERS Smart Handling overload assistance system Load stabiliser Fully automatic central lubrication unit | Engine pre-heating + hydraulic oil 230 V | 0 | 0 | 0 | |
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| Cab with heater, fan and windscreen wiper roll-over protective structure and FOPS-tested (fully glazed) Work light on the driver's cabin LED work light Comfort seat with safety belt Comfort seat with air cushioning and safety belt Heated seat Lighting equipment according to Road Traffic Regulations Data confirmation OTHERS Smart Handling overload assistance system Load stabiliser Fully automatic central lubrication unit | Front window with washer | 0 | 0 | • | • |
| Work light on the driver's cabin LED work light Comfort seat with safety belt Comfort seat with air cushioning and safety belt Heated seat Lighting equipment according to Road Traffic Regulations Data confirmation OTHERS Smart Handling overload assistance system Load stabiliser Fully automatic central lubrication unit | Rear window | | 0 | • | • |
| LED work light Comfort seat with safety belt Comfort seat with air cushioning and safety belt Heated seat Lighting equipment according to Road Traffic Regulations Data confirmation OTHERS Smart Handling overload assistance system Load stabiliser Fully automatic central lubrication unit | Cab with heater, fan and windscreen wiper roll-over protective structure and FOPS-tested (fully glazed) | | 0 | • | • |
| Comfort seat with safety belt Comfort seat with air cushioning and safety belt Heated seat Lighting equipment according to Road Traffic Regulations Data confirmation OTHERS Smart Handling overload assistance system Load stabiliser Fully automatic central lubrication unit | Work light on the driver's cabin | | 0 | • | • |
| Comfort seat with air cushioning and safety belt Heated seat Lighting equipment according to Road Traffic Regulations Data confirmation OTHERS Smart Handling overload assistance system Load stabiliser Fully automatic central lubrication unit | LED work light | | 0 | 0 | (|
| Heated seat Lighting equipment according to Road Traffic Regulations Data confirmation OTHERS Smart Handling overload assistance system Load stabiliser Fully automatic central lubrication unit ○ Comparison | Comfort seat with safety belt | • | • | • | |
| Lighting equipment according to Road Traffic Regulations Data confirmation OTHERS Smart Handling overload assistance system Load stabiliser Fully automatic central lubrication unit | Comfort seat with air cushioning and safety belt | | 0 | 0 | (|
| Data confirmation OTHERS Smart Handling overload assistance system Load stabiliser Fully automatic central lubrication unit | Heated seat | | _ | 0 | |
| OTHERS Smart Handling overload assistance system • • • Load stabiliser ○ Fully automatic central lubrication unit • • • | Lighting equipment according to Road Traffic Regulations | | • | • | |
| Smart Handling overload assistance system ● ● ● Load stabiliser - - - Fully automatic central lubrication unit ○ ○ ○ | Data confirmation | • | • | • | |
| Load stabiliser - - 0 Fully automatic central lubrication unit 0 0 0 | OTHERS | | | | |
| Fully automatic central lubrication unit | Smart Handling overload assistance system | • | • | • | |
| • | Load stabiliser | | - | 0 | (|
| Mechanical guick-hitch system for attachments | Fully automatic central lubrication unit | 0 | 0 | 0 | (|
| | Mechanical quick-hitch system for attachments | • | • | • | |
| Hydraulic quick-hitch system for attachments | | | | | |

Series

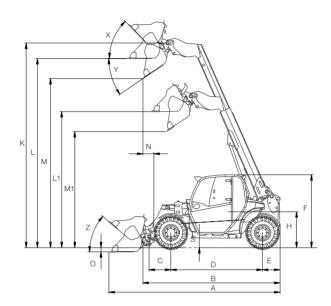
O Option

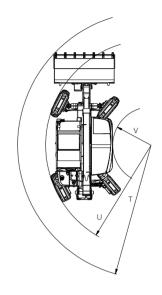
Not possible

Technical Data.

| | 004 | 1245 | 2203 | 2100 |
|--|-------------------------|-------------------------|-------------------------|-------------------------|
| ENOINE DATA | | | | |
| ENGINE DATA Manufacturer | Yanmar | Yanmar | Perkins | Kohler |
| Type of engine (optional) | 3TNV76 | 3TNV82A (3TNV84T) | 404D-22 | KDI 2504 TC |
| Cylinders | 3 | 3 | 4 | 4 |
| Prime output kW / hp (optional) | 19,2/26 | 22,6/31 (29,6/40) | 36,3 / 49 | 55,4/75 |
| at rpm1/min | 3.000 | 2.800 | 2.800 | 2.600 |
| Displacement cm ₃ | 1.116 | 1.496 | 2216 | 2.482 |
| Abgasstufe | IIIA | IIIA | IIIA | IIIB |
| Cooling | Water | Water | Water | Water |
| DRIVING HYDRAULICS | | | | |
| Work hydraulics | | | | |
| Discharge volume (optional) I/min | 33 | 42 (75) | 70 (100) | 90 |
| Working pressure bar | 220 | 220 | 240 | 240 |
| DRIVE SYSTEM | | | | |
| Type of drive | hydrostatic | hydrostatic | hydrostatic | hydrostatic |
| Drive system | permanent allwheel | permanent allwheel | permanent allwheel | permanent allwheel |
| VEHICLE DATA | | | | |
| Driver's cab (optional) | FSD (cabin) | FSD (cabin) | cabin | cabin |
| Axle | Planetary steering axle | Planetary steering axle | Planetary steering axle | Planetary steering axle |
| Travel speed (optional) km/h | 0 – 17 | 0-20 | 0-20 (30) | 0-20 (30) |
| Travel speed increases/reductions | 2 | 2 | 2 | 3 |
| Fuel tank capacity | 39 | 25 | 70 | 100 |
| Hydraulic oil tank capacity | 40 | 40 | 55 | 75 |
| Total swing angle of the tool tray (optional) $^{\circ}$ | 148 | 148 | 144 | 132 (150) |
| Total oscillating angle ° | 14 | 14 | 16 | 20 |
| Max. steering lock ° | 2×38 | 2×38 | 2×40 | 2×38 |
| Lift cylinder lifting / lowering sec | 5,0/3,6 | 6,1/4,8 | 6,2/4,2 | 6/4,2 |
| Extension cylinder extension / retraction sec | 3,5/1,9 | 4,9/3,9 | 5,1/2,5 | 5,6/3,8 |
| Tipping cylinder fill shovel / empty shovel sec | 2,3/1,7 | 2,6/2,3 | 3,1/2,2 | 2,5/3,0 |
| WEIGHTS | | | | |
| Operating weight (standard) kg | 2.270 | 2.700 | 4.200 | 4.900 |
| Max. payload kg | 800 | 1.200 | 2.200 | 2.700 |
| ELEKTRIC SYSTEM | | | | |
| Operating Voltage V | 12 | 12 | 12 | 12 |
| Battery Ah | 77 | 77 | 77 | 100 |
| Alternator A | 55 | 55 | 85 | 80 |
| NOISE CHARACTERISTIC VALUES | | | | |
| | | | | |

1245

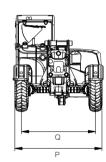




1245

1.600

1.450



2706

2.000

| DIMI | ENSIONS |
|------|--|
| Stan | dard light materials bucket mm |
| A | Total length mm |
| В | Total length without bucket mm |
| С | Axle centre to bucket pivotal point mm |
| D | Distance between wheels mm |
| E | Rear overhang mm |
| F | Height with cab mm |
| Н | Seat height mm |
| K | Max. height of bucket pivotal point mm |
| L1 | Overhead loading height of telescopic arm retracted mm |
| L | Overhead loading height of telescopic arm extended mm |
| M1 | Dumping height of telescopic arm retracted mm |
| М | Dumping height of telescopic arm extended mm |
| N | Coverage mm |
| 0 | Digging depth mm |
| Р | Total width mm |
| Q | Track width mm |
| S | Ground clearance mm |
| Т | Maximum radius outside mm |
| U | Radius on outer edge mm |
| V | Inside radius mm |
| Х | Rollback angle at max. lifting height ° |
| Y | Max. dumping angle ° |
| Z | Rollback angle on bottom ° |

| 3.554 | 3.886 | 4.576 | 4.958 |
|-------|---------------------------|-------|-------------------|
| 2.717 | 2.916 | 3.747 | 4.400 |
| 406 | 425 | 581 | 1.030 |
| 1.795 | 1.920 | 2.449 | 2.650 |
| 343 | 391 | 472 | 0 |
| 1.900 | 1.940/1.960 ²⁾ | 1.950 | 1.980 |
| 914 | 953/973 | 962 | 1.025 |
| 4.145 | 4.503/4.523 ²⁾ | 5.471 | 6.080 |
| 2.725 | 2.909/2.929 ²⁾ | 3.638 | 3.730 |
| 3.799 | 4.123/4.143 ²⁾ | 5.056 | 5.600 |
| 2.244 | 2.375/2.395 ²⁾ | 3.103 | 3.450 |
| 3.318 | 3.589/3.609 ²⁾ | 4.520 | 5.280 |
| 533 | 543 | 293 | 680 ¹⁾ |
| 114 | 94 | 111 | 150 |
| 1.413 | 1.560 | 1.808 | 1.960 |
| 1.252 | 1.296 | 1.530 | 1.660 |
| 223 | 286/306 ²⁾ | 256 | 302 |
| 3.034 | 3.489 | 4.153 | 4.500 |
| 2.227 | 2.722 | 3.281 | 3.670 |
| 595 | 951 | 1.193 | 1.700 |
| 52 | 52 | 46,5 | 45 |
| 32 | 31 | 34,5 | 22/40 3) |
| 44 | 44 | 41 | 45 |
| | | | |

2205

1.900

Specified sound pressure level LpA dB(A)

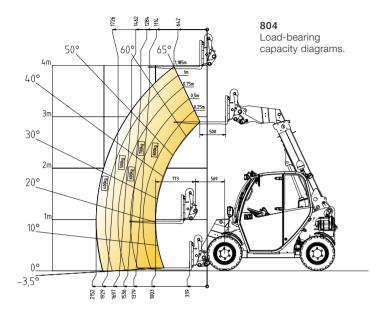
Dimensions.

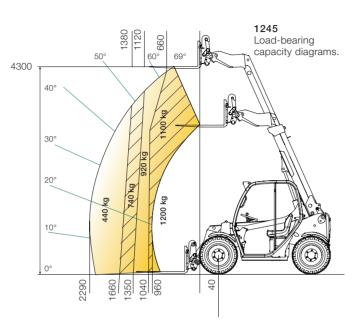
with Standard bucket 0,85 m³

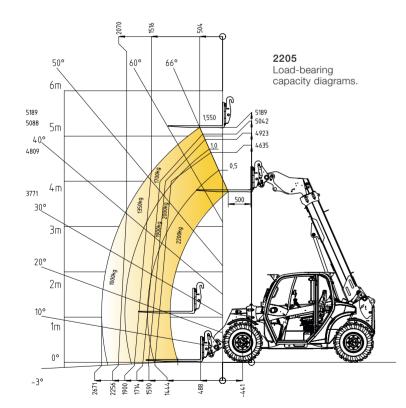
Values chassis with large engine

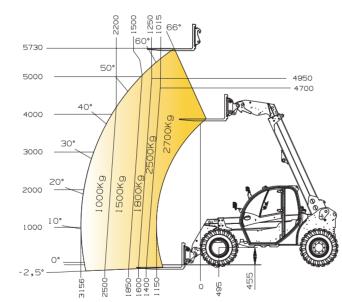
with total rotation angle of 150°

Load-bearing capacity diagrams.









Load-bearing

capacity diagrams.

Vibration characteristic values.

| VIBRATIONS |
|---|
| LOAD TYPE |
| Compact wheel loader (operating weight < 4,500 kg) |
| Wheel loader (operating weight > 4.500 kg) |

| Typical operating conditions | Average value | | | Standard deviation (s) | | |
|--|---|---|------------------------------|---|---|--------------------------|
| | 1,4*a _{w,eqx} [m/s ²] | 1,4*a _{w,eqy} [m/s ²] | a _{w,eqz} [m/s²] | 1,4*s _x [m/s ²] | 1,4*s _y [m/s ²] | s _z [m/s²] |
| Load & carry (load and transport work) | 0,94 | 0,86 | 0,65 | 0,27 | 0,29 | 0,13 |
| Load & carry (load and transport work) | 0,84 | 0,81 | 0,52 | 0,23 | 0,20 | 0,14 |
| Application in extraction (harsh application conditions) | 1,27 | 0,79 | 0,81 | 0,47 | 0,31 | 0,47 |
| Transfer drive | 0,76 | 0,91 | 0,29 | 0,33 | 0,35 | 0,17 |
| V-operation | 0,99 | 0,84 | 0,54 | 0,29 | 0,32 | 0,14 |

Whole body vibrations:

- Each machine is equipped with an operator's seat that meets the requirements of EN ISO 7096:2000.
- When the loader is properly used, the whole body vibrations vary from below 0.5 m/s2 up to a short-term maximum value.
- It is recommended to use the values specified in the table when calculating the vibration values according to ISO/TR 25398:2006. In doing so, the actual application conditions are to be taken into consideration.
- Telehandlers, like wheel loaders, are to be classified by operating weight.

Hand-arm vibrations (HAV):

- The hand-arm vibrations are no more than 2.5 m/s2.

Only a Kramer is a Kramer. In demand world-wide – produced in Pfullendorf.

The Kramer plant.

Our company is located in Pfullendorf, Southern Germany. We are one of the world's leading manufacturers of compact loaders for the construction industry and belong to the Wacker Neuson Group.

Our values as a medium-sized, family-owned publicly-traded company are convincing. With the strength and expertise of a globally active organisation. With people who fulfil our motto every day with life and ideas.

We believe in: Quality, innovation, performance and character – and the lasting success of our customers. After all, that is what it is all about.



