



KRAMER
on the safe side



REFINED, RIGHT DOWN TO THE LAST NUT AND BOLT

COMPACT TELEHANDLERS – ONE MODEL. TWO DRIVES.
1445 / 1445e

1445

TOTAL HEIGHT*
1,995 mm

TOTAL WIDTH*
1,564 mm

ENGINE POWER
18.4 / 25 kW (standard),
33.3 / 45 kW (option)

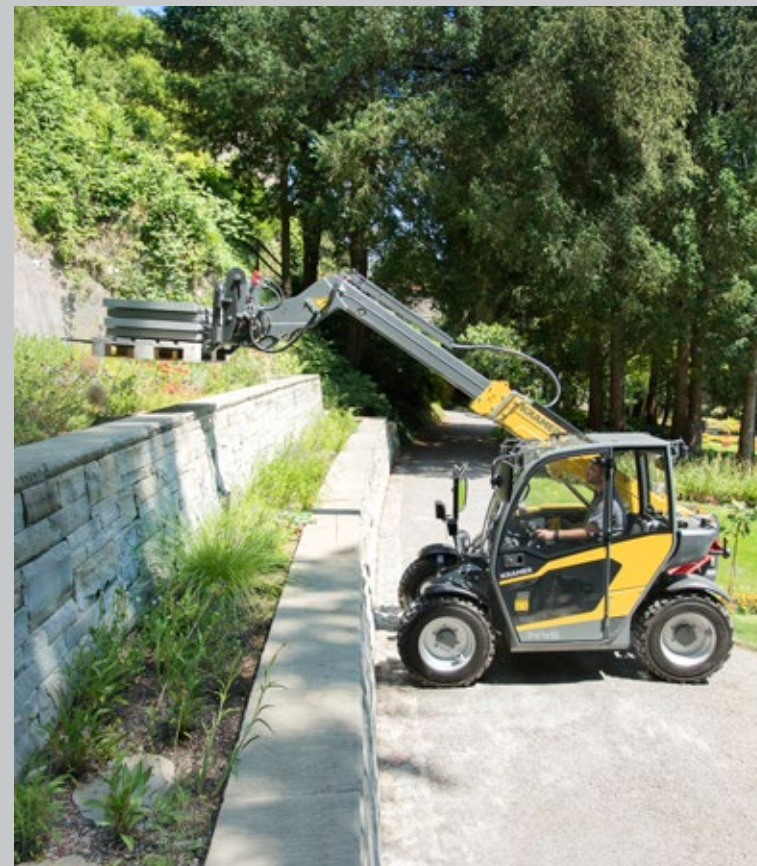
EXHAUST AFTER-TREATMENT
DOC / DPF (option)

STACKING PAYLOAD S=1.25
1,450 kg

OPERATING WEIGHT**
3,050 – 3,350 kg



DIMENSIONS



OUTPUT



VERSATILITY

1445e

TOTAL HEIGHT*
1,995 mm

TOTAL WIDTH*
1,564 mm

ELECTRIC MOTOR
23.2*** / 25.2****

BATTERY
96 V (lithium-ion)
18 kWh (standard); 28 kWh (option)

STACKING PAYLOAD S=1.25
1,450 kg

OPERATING WEIGHT**
3,150 – 3,350 kg



SCAN NOW
and discover
the highlights

- * Depending on the type of tyres
- ** Weight with a full tank + standard bucket + 75 kg operator (ISO 6016 + weight varies depending on equipment)
- *** Drive system output S2 60 min
- **** Work hydraulics output S3 15%

ON THE SAFE SIDE
WITH KRAMER

Alongside the values of passion, skill and high quality, Kramer first and foremost values safety. We build machines with the highest level of application safety and our customers consistently benefit from their investment. Our promise: honesty, reliability and value retention.

zero emission

SUSTAINABLE PERFORMANCE WITHOUT COMPROMISE

The fully electric 1445e combines emission-free and low-noise operation with high performance. This makes it particularly suitable for sensitive applications and enables efficient operation with low running and maintenance costs.

YOUR ADVANTAGES AT A GLANCE:

- Locally emission-free – no CO₂, exhaust fumes or particulate matter emissions
- Low-noise – ideal for noise-sensitive applications
- Versatile for use indoors, in tunnels and in low-emission zones
- Low maintenance and operating costs
- Powerful electric drive for a wide range of applications
- Up to 4 hours of operation without interim charging*

* Data is dependent on machine equipment, application and environmental factors, and can deviate.

REFINED, RIGHT DOWN TO THE
LAST NUT AND BOLT

DISCOVER THE COMPACT TELEHANDLERS
WITH A 1.45 t PAYLOAD

These efficient machines impress with their dynamic all-wheel drive, high payload, unbeatable manoeuvrability and low weight.

Machine highlights Telehandlers: 1445, 1445e Features Special characteristics	6	Compact design Steering types Manoeuvrability Dimensions	8
Engineering Engine and battery Driving modes Hydraulics Smart Handling	10	Cab design Telehandlers: 1445 Cab options Technical highlights	16
Cab design Telehandler: 1445e Cab options Technical highlights	18	Accessories Attachments Tyre tread patterns	20
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SCAN NOW
Discover the Kramer
product range

NOTE

- This symbol indicates functions that can have a positive impact on resources (money, staff, time).
- The marking with the machine designation indicates which machine is equipped with the described function.



XXXX

OPERATING AND POWER RATINGS

1445e

Engine output [kW]	23.2** / 25.2***
Max. stacking height [mm]	4,190
Max. stacking payload S=1.25 [kg]	1,450
Operating weight [kg]*	3,150 – 3,350

* Weight in standard components with full tank + standard bucket + 75 kg operator weight (ISO 6016).
** Drive system power S2 60 min *** Work hydraulics power S3 15%

OPERATING AND POWER RATINGS

1445

Engine output [kW]	18.4 (33.3)
Max. stacking height [mm]	4,190
Max. stacking payload S=1.25 [kg]	1,450
Operating weight [kg]*	3,050 – 3,350

* Weight in standard components with full tank + standard bucket + 75 kg operator weight (ISO 6016).



MACHINE HIGHLIGHTS AT A GLANCE

FUTURE-PROOF AND THOUGHTFULLY DESIGNED DOWN TO THE LAST DETAIL

1 OUTSTANDING PERFORMANCE FIGURES
in a compact design and low net weight.

1445 / 1445e

2 COMPACT DIMENSIONS
thanks to a vehicle width of below 1.60 m and a vehicle height of less than 2 m.

1445 / 1445e

3 LED WORK LIGHT
gives the operator optimal visibility to the front and rear, as well as of the telescopic boom.

1445 / 1445e

4 ELECTRIC PARKING BRAKE
with Hill-Hold function for more comfort and safety.

1445 / 1445e

5 THREE TYPES OF STEERING
with hydrostatic all-wheel, crab and front wheel steering. Thanks to the all-wheel steering, the machine is particularly manoeuvrable and stable.

1445 / 1445e

6 100% ENGAGEABLE DIFFERENTIAL LOCK
on the front and rear axles for optimal traction.

1445 / 1445e

7 360° VISIBILITY
Large glass surfaces, provided by the panoramic windshield as well as, among other things, the deep-drawn dashboard and the lowered side window, ensure excellent all-round visibility.

1445 / 1445e

8 DRIVER ASSISTANCE SYSTEM SMART HANDLING
enables smooth operation and supports work through a partially automated telescoping movement during demanding applications.

1445 / 1445e



9 A GOOD WORKING ATMOSPHERE
thanks to a heating and ventilation system with a fan, fresh air filter and optional air-conditioning system (1445 only).

1445 / 1445e

10 DIVERSE TYRE OPTIONS
for the ideal tyres in every area of application.

1445 / 1445e

11 POWERFUL YANMAR ENGINE
(exhaust emission Stage V) with maximum power of 18.4 kW (25 hp) as standard and 33.3 kW (45 hp) with DOC + DPF as option.

1445

12 INNOVATIVE BATTERY TECHNOLOGY
with a 96 V lithium-ion battery and a capacity of 18 kWh (standard) or 28 kWh (option).

1445e

13 SIMPLE CHARGING PROCESS
without opening the hood. The socket and battery charge indicator are easily accessible at the rear.

1445e

14 DIGITAL COLOUR DISPLAY
to monitor and set all of the machine's important functions.

1445e

15 BMS – BATTERY MANAGEMENT SYSTEM
monitors, for example, the battery temperature. Efficiency and safety of the battery are increased and deep discharges are excluded.

1445e

16 FAST CHARGING
via an integrated on-board battery charger with a charging capacity of up to 3 kW or 6 kW. Different charger cables and adapters are available.

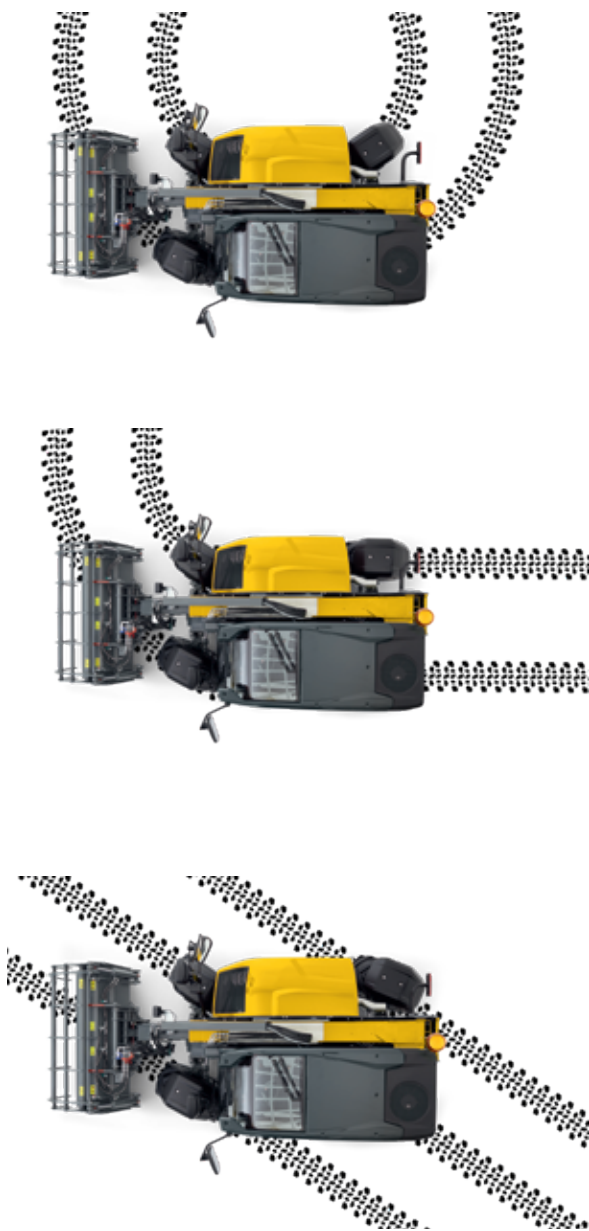
1445e

17 LOW OPERATING COSTS
and minimal maintenance requirements compared to conventional diesel engines.

1445e

FLEXIBILITY IN USE

THE RIGHT STEERING TYPE FOR EACH AND EVERY APPLICATION



- ALL-WHEEL STEERING
(STANDARD)
- 2 x 38° steering angle on the front and rear axle ensure quick work processes
 - Optimised routes
 - Maximum manoeuvrability

- FRONT WHEEL STEERING
(OPTION)
- Safe and familiar road travel up to 30 km/h*
 - Familiar steering system
 - Ideal for trailer operation

- CRAB STEERING
(OPTION)
- Manoeuvrability in the smallest space
 - Precise positioning in the tightest conditions
 - Easily move away from walls and trenches

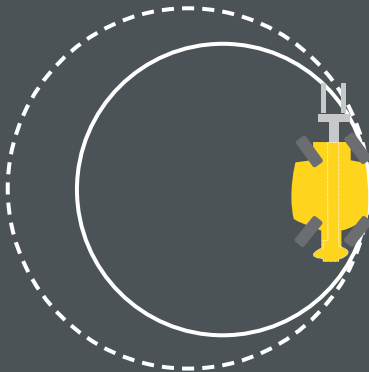
ULTRA-COMPACT DIMENSIONS FOR UNBEATABLE

MANOEUVRABILITY – THE 360° TURNING MANOEUVRE

The 1445 and 1445e telehandlers are extremely manoeuvrable with a turning radius of just 2,695 mm. This high level of manoeuvrability is achieved, above all, due to its great steering angle of 38° on the front and rear axle, in combination with the compact machine design. As a result, optimised routes and, above all, fast work cycles are now also possible in very tight spaces.

TURNING CIRCLE
OUTER EDGE TYRES

TURNING CIRCLE
OUTER EDGE ATTACHMENT



Their low overall height, compact width and high manoeuvrability make these telehandlers the ideal solution for working in confined spaces. Despite their compact dimensions, they offer a considerable lift height and reach, thereby combining maximum manoeuvrability with high performance.

TOP PERFORMANCE OF THE DIMENSIONS

AND POWER TO WEIGHT RATIO:

- TOTAL LENGTH*

1445: 4,215 mm

1445e: 4,215 mm
- TOTAL HEIGHT**

1445: 1,995 mm

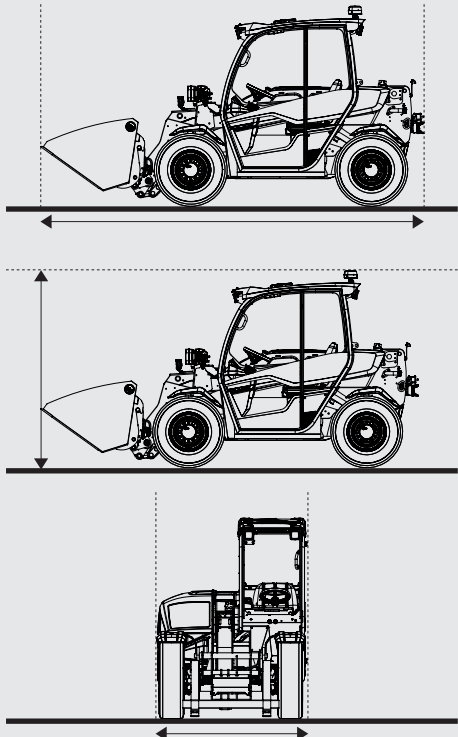
1445e: 1,995 mm
- TOTAL WIDTH**

1445: 1,564 mm

1445e: 1,554 mm
- Perfect ratio between payload and operating weight
 - Unmatched economy and efficiency
 - Ideal for low clearance passages and confined work areas

* With standard attachment

** Depending on the type of tyres



POWERFUL ENGINES

EFFICIENT FUEL CONSUMPTION

1445

The 1445 is powered by an 18.4 kW Yanmar engine without exhaust after-treatment. For this model, a more powerful engine with 33.3 kW is optionally available. Here, the exhaust emissions are treated with DOC, DPF and SCR.



COMFORTABLY FROM A TO B



DRIVE SYSTEM

- Greater efficiency with lower power requirements
- Low rpm for efficient operation
- Hill-Hold function for added safety on slopes

TRAVEL SPEED

- 20 km/h as standard for fast workflows
- Optional 30 km/h for quick changes of location

EQUIPCARE – TELEMATICS

The EquipCare telematics module is installed as standard on all Kramer vehicles. The module provides data and facts about your machine, which you can easily view via the Manager or the App.



SCAN NOW
You can find additional information here
www.kramer.de/equipcare

INNOVATIVE BATTERY TECHNOLOGY

A MODERN AND FLEXIBLE CHARGING METHOD

1445e

The 1445e comes fitted as standard with an 18 kWh lithium-ion battery, complete with a battery management system (BMS) and battery heating. A lithium-ion battery with 28 kWh is available as option. Both guarantee a battery life of at least 5 years or 2,000 charge cycles with a minimum residual capacity of 80%. The 3 kW AC on-board battery charger, which is also available as an option with 6 kW, is permanently fitted to the machine. It allows for flexible charging from a socket, a wallbox or a public charging point.

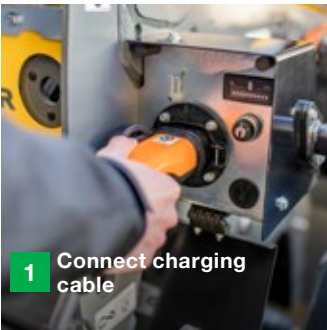
CHARGE CABLE

There are four charging plug options available for charging the machine. The charging output is restricted by the type of charging plug and charging output of the on-board battery charger. In the case of the 6 kW on-board battery charger, full charging output can only be achieved with the type 2 and CEE 5-pole plugs.

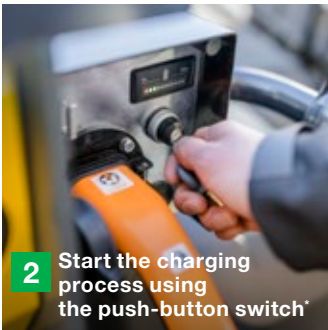
- Schuko mains plug 230V/16A
- CEE, 5-pole 400V/16A (red)
- CEE, 3-pole 230V/16A (blue)
- Type 2 (IEC 62196)



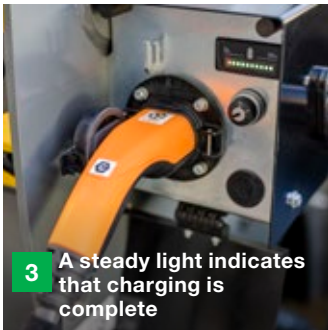
CHARGING PROCESS:



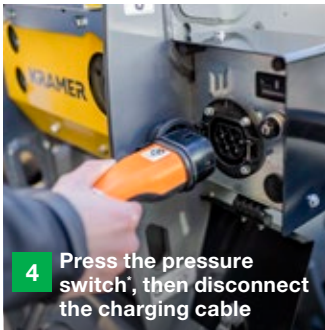
1 Connect charging cable



2 Start the charging process using the push-button switch*



3 A steady light indicates that charging is complete



4 Press the pressure switch*, then disconnect the charging cable

* Key switch optionally available. A pressure switch is installed as standard.

THREE DRIVING MODES
EVEN MORE FLEXIBILITY IN USE



With the electronically controlled drive system and the accompanying four driving modes, machines can be set optimally to the respective working conditions. Here, the auto mode ensures the usual 100% performance of the machine. In the Eco mode, the motor rpm is reduced to 2,200 rpm for effective fuel-saving and noise reduction after achieving the desired travel speed. Furthermore, the travel speed can be finely tuned in the attachment mode. This guarantees a constant feed for the attachment.



YOUR ADVANTAGES AT A GLANCE

- Efficient drive system thanks to electronic control
- Fuel savings through intelligent driving modes
- High productivity when working with special attachments
- Greater driving comfort and reduced driver fatigue

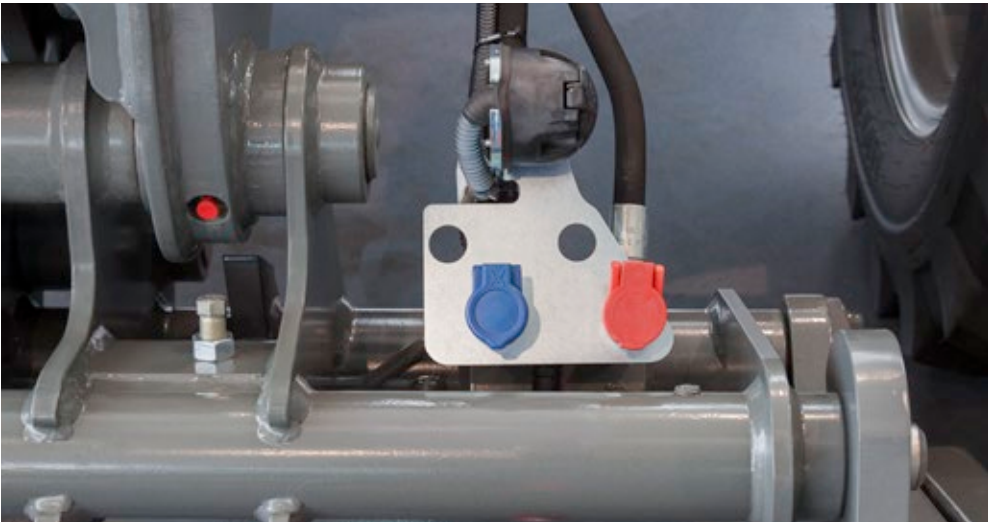


* 1445: attachment mode optionally available

POWERFUL HYDRAULICS
SENSITIVE CONTROL OF THE MACHINE

ENGAGEABLE
DIFFERENTIAL LOCK
FOR DIFFICULT
OPERATING CONDITIONS

Connect and disconnect the most varied attachments, sensitive control, quick working cycles and all of this with a low noise level in the cabin. The technology behind the work hydraulics makes this possible. High-performance gear pumps ensure fast working cycles for the loading system and enable reliable operation of special attachments via the 3rd control circuit, with continuous operation if required.



PRESSURE RELEASE OF 03RD CONTROL CIRCUIT:
Easily couple and uncouple attachments with hydraulic additional function.

HIGHFLOW

The optionally available Highflow high-performance hydraulics have been developed especially for demanding applications and special attachments with a constant and high oil requirement, such as snow blowers or mulching devices. The attachment supply is via a separate pressure line and a depressurised return directly connected to the hydraulic oil tank ensures a high usable power, without unnecessarily warming the oil.

CONCEPT SOLUTION SYSTEM CARRIER	1445	1445e
Work hydraulics (option) [l/min]	36.4 (42)	42
Powerflow high-performance hydraulics [l/min]	70	–

* Values at rated engine speed – Not available

SMART HANDLING

EVERYTHING UNDER CONTROL, EVEN IN THE LIMIT RANGE

Maximum payload, fully extended loading system, motor RPM at the detent – the Smart Handling overload protection system always has the situation under control at all times. The intelligent driver assistance system prevents loads from reaching the overload area and therefore threatening to overturn the machine in the longitudinal direction. Also, it takes many routine tasks, such as extension and retraction of the telescopic arm, away from the operator so that he can focus on the essential aspects of his work.

THE THREE FUNCTIONAL MODES EXPLAINED



BUCKET MODE

When lowering the loading system, the telescopic arm is automatically retracted. This keeps the load as close to the vehicle as possible and it does not create critical situations, even with maximum payloads. The bucket mode is ideal for loading bulk materials.



STACKING MODE

When lifting or lowering the loading system, the attachment always moves in a straight, vertical line. The telescopic arm extends and retracts automatically, ensuring that the load is guided safely up or down. This ensures maximum safety and simplifies the stacking work, even at great heights.



MANUAL MODE*

In manual mode, the machine does not perform any automatic movements of the loading system. The overload protection is of course still active and stops the loading system as soon as the overload limit is reached. At this point, only retracting and lifting the loading system is possible.

* Only 1445e

QUICKHITCH SYSTEM

The tried-and-tested Kramer quick-change plate enables attachments to be changed quickly. Thanks to the robust 4-point mounting system with 40 mm mounting and locking pins, attachments are securely connected.

A particular advantage: many attachments for Kramer wheel loaders can also be used on the telehandler. This increases flexibility and saves on additional investment.



JOYSTICK HANDLING

With the ergonomic joystick, you have full control over the machine. Up to 17 functions can be performed without letting go of the joystick or changing your grip. The joystick is located on the console on the right-hand side of the cab.



EVERYTHING UNDER CONTROL INSIDE EVERYTHING IN VIEW FROM OUTSIDE

The innovative cab design ensures even more spaciousness in the cab, which has been designed according to findings in safety technology and ergonomics. From the operator's seat through to the steering wheel, every detail is adjusted to the operator's needs.

AIR-CONDITIONING SYSTEM

Available as an optional extra to ensure an optimal working environment even on warmer days.

360° VISIBILITY

Narrow cabin pillars and large glazed areas ensure an excellent view of the attachment and the work area.



TECHNICAL HIGHLIGHTS

SIMPLE OPERATION – INNOVATIVE CABIN DESIGN

1445



COLOUR CODING / SWITCH DESIGN



The respective functional group is very quick and easy to identify due to the colour-coded switches:

- Red = Safety, Orange = Driving, Green = Hydraulics, Grey = Electrics
- Convenient, safe operation
- No likelihood of confusion
- Increased work efficiency
- and much more



ADJUSTABLE STEERING COLUMN

The steering column, which can be optionally adjusted in height and tilt, can be adapted to the operator's needs:

- Adjustable to every operator's size
- More freedom of movement
- Work comfortably and fatigue-free
- and much more



ERGONOMIC CONTROL LEVER

The most important control elements and switches are ergonomically arranged and colour labelled. It is possible to switch between the steering types using the operating lever on the instrument panel:

- All-wheel steering
- Front wheel steering
- Crab steering
- and much more



FOLD-OUT ARMREST

The fold-out armrest of the Kramer 1445 contains a practical, spacious storage compartment:

- Extra comfort
- USB charging socket
- Safe storage whilst charging
- and much more



WELL-ORGANISED CAB DESIGN FOR MAXIMUM PRODUCTIVITY

At first glance, the cabin reveals what it's about: the operator and its tasks. The innovative cab design provides additional comfort and user-friendliness. Large glazed areas combined with narrow cabin pillars ensure excellent 360° visibility.

EVERYTHING AT A GLANCE

All the important information is presented via the display. This includes the machine's remaining operating time, recuperation, travel speed and the battery's charge status. This is displayed as a percentage. If the battery is being charged, a lightning bolt appears on the battery icon and the charging performance is displayed.



TECHNICAL HIGHLIGHTS SIMPLE OPERATION – INNOVATIVE CAB DESIGN

1445e



CABIN ENTRY

The large door allows for safe and comfortable entry and exit. The spacious and clear cabin is reached easily without any additional steps:

- Comfortable entry into the cab
- Ergonomically positioned grab handles
- Greater safety when getting in and out
- A superb sense of space
- and much more



OPERATOR MODE

There are two operator modes to choose from:

- Auto mode (PWR): full engine output and travel speed without restrictions
- Eco mode: engine output and travel speed are limited. Save energy and extend the running time



JOYSTICK

With the multi-functional joystick, the operator always has everything firmly in hand. In addition to the main functions of lifting and lowering, as well as tipping in and out, all important functions are integrated into the joystick:

- Intuitive selection of the direction of travel
- Full control at all times
- Control elements are backlit at night
- Simple and safe operation
- and much more

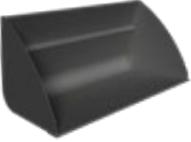


HEATING

The machine is equipped with heated cabin windscreens as standard. To maximize energy efficiency of the overall heating system, the cabin can be fitted with an additional panel heating system alongside the normal air heating:

- Placement in the cabin roof ensures targeted warmth
- Standard air heating can also be used as a parking heater
- and much more

PRODUCT RANGE OF ATTACHMENTS

PALLET FORK	STANDARD BUCKET with dig teeth	STANDARD BUCKET without dig teeth	STANDARD BUCKET without dig teeth, with screwed-on blade
			
BULK MATERIAL BUCKET	GRAPPLE BUCKET with dig teeth	GRAPPLE BUCKET without dig teeth	LOAD HOOK
			

TYRE PRODUCT RANGE

UNIVERSAL TREAD	MUNICIPAL TREAD	TRACTION TREAD
 ■ Good self-cleaning ■ Good flank protection ■ High running performance	 ■ Good winter serviceability ■ High running performance ■ Noise-optimised ■ For operations on and off the road	 ■ Good track guiding ■ High level of driving safety ■ Good self-cleaning ■ High running performance
TURF TREAD diagonal	NON-MARKING* solid rubber tyres	
 ■ Large tyre volume ■ A gentle, ground-protecting tread pattern ■ For use on delicate surfaces	 ■ No abrasion on paved surfaces ■ Puncture-proof solid rubber tyres ■ High load-bearing capacity and stability	

* Only 1445e

TECHNICAL DATA

OPERATING AND POWER RATINGS	1445
Max. payload (LSP 500 mm) [kg]	1,450
Max. stacking height [mm]	4,190
Payload at max. stacking height [kg]	1,450
Payload with max. transmission range [kg]	725
Stacking height at max. payload [mm]	4,190
Transmission range at max. payload [mm]	1,100
Max. reach [mm]	2,333
Operating weight [kg]*	3,050 – 3,350

ENGINE	
Engine manufacturer	Yanmar
Type/model standard	8TNV80FT
Type/model option	3TNV86CHT
Engine output (standard) [kW/hp]	18.4 / 25
Engine output (option) [kW/PS]	33.3 / 45
Max. torque (standard) [Nm at rpm]	85 at 1,800
Max. torque (option) [Nm at rpm]	142 at 1,800
Displacement (standard) [cm³]	1,267
Displacement (option) [cm³]	1,568
Emissions standard stage	EU stage V
Exhaust after-treatment (optional engine)	DOC + DPF

POWER TRANSMISSION	
Drive system	Hydrostat
Max. travel speed (standard) [km/h]	20
Maximum travel speed (option) [km/h]	30
Total oscillating angle [°]	7
Differential lock (option) [%]	100%
Service brake	Foot-activated hydraulic disc brake
Parking brake	Electrically operated with Hill-Hold function
Standard tyres [l/min]	255 / 75 – 15.3

STEERING AND WORK HYDRAULICS	
Steering system functionality	Hydrostatic all-wheel, crab and front wheel steering (option)
Functioning of work hydraulics	Gear pump
Max. discharge volume of pump (standard) [l/min]	36.4
Max. discharge volume of pump (option) [l/min]	42
Max. pressure [bar]	220

* Weight with a full fuel tank + standard bucket + 75 kg operator weight (ISO 6016; weight varies depending on equipment).

** Measurements are carried out in accordance with the requirements of standard EN 1459 and Directive 2000/14/EC. Test site: tarmac surface.

*** Test conditions: ISO 5349-1, 2, 3, ISO 2631-1 and EN 1032. Measurement uncertainty in accordance with EN 12096. Instruct and inform the operator about potential hazards caused by vibrations. Accelerations may be higher depending on the application and the user. Measurement cycle: consisting of equal proportions of road driving, Y-loading cycle and stacking work. Test site: tarmac surface.

TECHNICAL DATA

KINEMATICS	1445
Bucket capacity [m³]	0.50 – 1.03
Total swing angle of the tool carrier [°]	148
Lift/lower lift cylinder (standard) [s]	7.8 / 5.3
Lift/lower lift cylinder (option) [s]	5.7 / 4.3
Extension ram extend/retract (standard) [s]	6.6 / 3.8
Extension ram extend/retract (option) [s]	4.6 / 2.7
Tilt out/in tipping cylinder (standard) [s]	3.9 / 3
Tilt out/in tipping cylinder (option) [s]	2.7 / 2

CAPACITIES	
Fuel tank capacity [l]	38
Hydraulic oil tank capacity [l]	36

ELECTRICAL SYSTEM	
Operating voltage [V]	12
Battery/alternator (standard) [Ah/A]	77 / 80
Battery/alternator (option) [Ah/A]	100 / 130

NOISE EMISSIONS**	
Measured sound power level L _{WA} series [dB(A)]	99,5
Measured sound power level L _{WA} option [dB(A)]	101,2
Guaranteed sound power level L _{WA} series [dB(A)]	101
Guaranteed sound power level L _{WA} option [dB(A)]	102
Sound pressure level at the operator’s workstation L _{pA} series [dB(A)]	84
Sound pressure level at the operator’s workstation L _{pA} option [dB(A)]	85

VIBRATIONS***		
Vibration total value of hand-transmitted vibrations	measured value a_{hv} [m/s ²] Uncertainty K [m/s ²]	1,1 (3.61 feet/s ²) 0,6 (1.97 feet/s ²)
Mean peak value of repeated hand-transmitted shock vibrations	measured value p_F [m/s ²] Uncertainty K [m/s ²]	115 (377.3 feet/s ²) 58 (190.29 feet/s ²)
Peak root-square value of the weighted vibrations of the whole body	measured value a_w [m/s ²] Uncertainty K [m/s ²]	< 0,5 (< 1.64 feet/s ²) < 0,3 (< 0.98 feet/s ²)

TECHNICAL DATA

BATTERY (STANDARD)	1445e
Battery technology	Lithium-ion battery
Battery voltage class [V]	96
Guaranteed battery life*	5 / 2,000
Battery capacity [kWh]	18
On-board charging capacity** (standard) [kW]	3
On-board charging capacity** (option) [kW]	6
Charging time 230 V / 16 A Schuko 0–100% [h]	8
Charging time 230 V / 16 A CEE (blue, 3-pin) 0–100% (standard) [h]	7.5
Charging time 230 V / 16 A CEE (blue, 3-pin) 0–100% (option) [h]	5
Charging time 400 V / 16 A CEE (red, three-phase, 5-pin) 0–100% (standard) [h]	7.5
Charging time 400 V / 16 A CEE (red, three-phase, 5-pin) 0–100% (option) [h]	3.75
Charging time 400 V / 16 A (Type 2 plug wallbox, IEC 62196) 0–100% (standard) [h]	7.5
Charging time 400 V / 16 A (Type 2 plug wallbox, IEC 62196) 0–100% (option) [h]	3.75
Running time up to [h]	2.5 (without intermediate loading)

BATTERY (OPTION)	
Battery technology	Lithium-ion battery
Battery voltage class [V]	96
Guaranteed battery life*	5 / 2,000
Battery capacity [kWh]	28
On-board charging capacity** (standard) [kW]	3
On-board charging capacity** (option) [kW]	6
Charging time*** 230 V / 16 A Schuko 0–100% [h]	12
Charging time*** 230 V / 16 A CEE (blue, 3-pin) 0–100% (standard) [h]	11.5
Charging time*** 230 V / 16 A CEE (blue, 3-pin) 0–100% (option) [h]	8
Charging time*** 400 V / 16 A CEE (red, three-phase, 5-pin) 0–100% (standard) [h]	11.5
Charging time*** 400 V / 16 A CEE (red, three-phase, 5-pin) 0–100% (option) [h]	5.75
Charging time*** 400 V / 16 A (Type 2 plug wallbox, IEC 62196) 0–100% (standard) [h]	11.5
Charging time*** 400 V / 16 A (Type 2 plug wallbox, IEC 62196) 0–100% (option) [h]	5.75
Running time**** up to [h]	4 (without intermediate loading)

ELECTRIC MOTOR	
Drive system output S2 60 min***** [kW]	23.2
Work hydraulics output S3 15%***** [kW]	25.2

* After this time, the battery is expected to retain at least 80% of its capacity. The battery can still be used afterwards.

** Depending on the respective power source (available socket and charging cables).

*** The actual battery charging time depends on various factors, in particular the available charging infrastructure, the charging power, the connector used, the ambient temperature and the condition and temperature of the battery. A limited power supply, unfavourable environmental conditions or reduced charging power may increase the charging time. The figures given are based on defined test and charging conditions. There may be variations.

**** The actual battery runtime depends on operating conditions, the task being performed, operating and driving styles and other factors such as ambient temperature or the battery's condition. Operating under heavy loads or at low temperatures may shorten running time. The figures provided are based on defined, practice-oriented test conditions and are intended as guidance. There may be variations in practical use.

***** Acc. to EN 60034-1

TECHNICAL DATA

OPERATING AND POWER RATINGS	1445e
Max. payload (LSP 500 mm) [kg]	1,450
Max. stacking height [mm]	4,190
Payload at max. stacking height [kg]	1,450
Payload with max. transmission range [kg]	725
Stacking height at max. payload [mm]	4,190
Transmission range at max. payload [mm]	1,100
Max. reach [mm]	2,333
Operating weight [kg]*	3,150 – 3,350

POWER TRANSMISSION	
Max. travel speed (standard) [km/h]	15
Max. travel speed (option 1) [km/h]	20
Max. travel speed (option 2) [km/h]	25
Total oscillating angle [°]	7
Differential lock (option) [%]	100
Service brake	Foot-activated hydraulic disc brake
Parking brake	Electrically operated with Hill-Hold function
Standard tyres [l/min]	255 / 75 – 15.3

WORK HYDRAULICS	
Work pump	Gear pump
Max. flow rate of pump [l/min]	42
Max. pressure [bar]	220

KINEMATICS	
Bucket capacity [m³]	0.50 – 1.03
Total swing angle of the tool carrier [°]	148
Lift/lower lift cylinder [s]	6.4 / 6.5
Extension ram extend/retract [s]	5 / 5.5
Tilt out/in tipping cylinder [s]	3.8 / 4.1

CAPACITIES	
Hydraulic oil tank [l]	36
Hydraulic system, complete [l]	50

NOISE EMISSIONS**	
Measured sound power level L _{WA} [dB(A)]	85,7
Guaranteed sound power level L _{WA} [dB(A)]	87
Sound pressure level at the operator's postition L _{pA} [dB(A)]	73

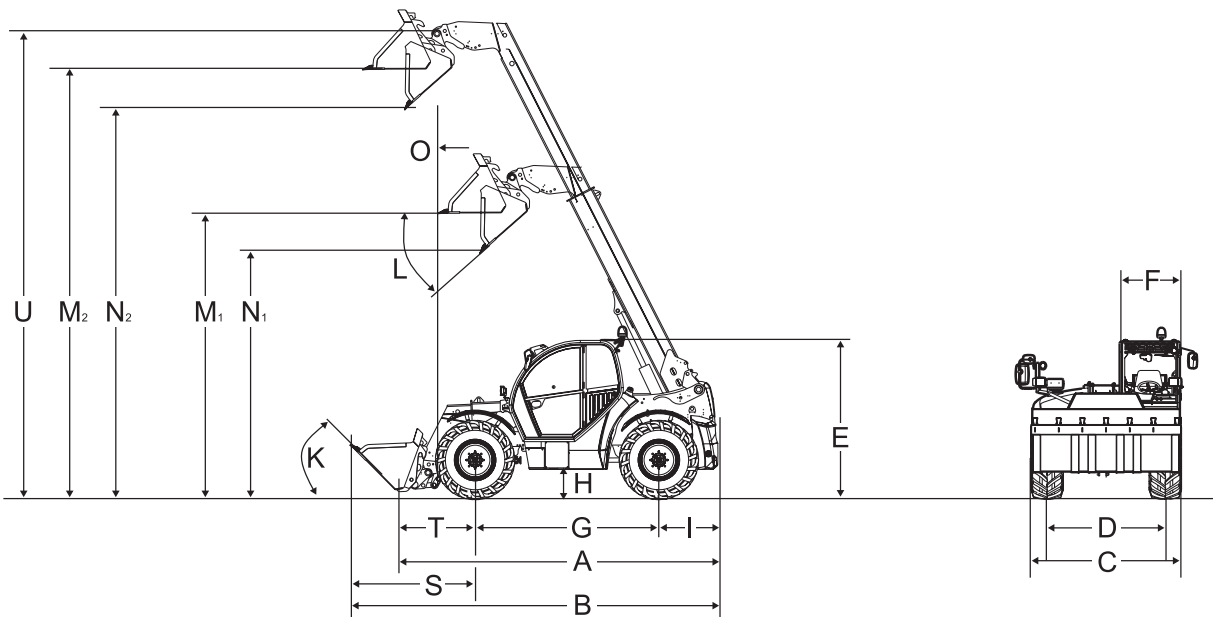
VIBRATIONS***		
Vibration total value of hand-transmitted vibrations	measured value a _{hw} [m/s²] Uncertainty K [m/s²]	1,1 (3.61 feet/s²) 0,6 (1.97 feet/s²)
Mean peak value of repeated hand-transmitted shock vibrations	measured value p _r [m/s²] Uncertainty K [m/s²]	115 (377.3 feet/s²) 58 (190.29 feet/s²)
Peak root-square value of the weighted vibrations of the whole body	measured value a _w [m/s²] Uncertainty K [m/s²]	< 0,5 (< 1.64 feet/s²) < 0,3 (< 0.98 feet/s²)

* Weight with a full fuel tank + standard bucket + 75 kg operator weight (ISO 6016; weight varies depending on equipment).

** Measurements are carried out in accordance with the requirements of standard EN 1459 and Directive 2000/14/EC. Test site: tarmac surface.

*** Test conditions: ISO 5349-1, 2, 3, ISO 2631-1 and EN 1032. Measurement uncertainty in accordance with EN 12096. Instruct and inform the operator about potential hazards caused by vibrations. Accelerations may be higher depending on the application and the user. Measurement cycle: consisting of equal proportions of road driving, Y-loading cycle and stacking work. Test site: tarmac surface.

TECHNICAL DATA

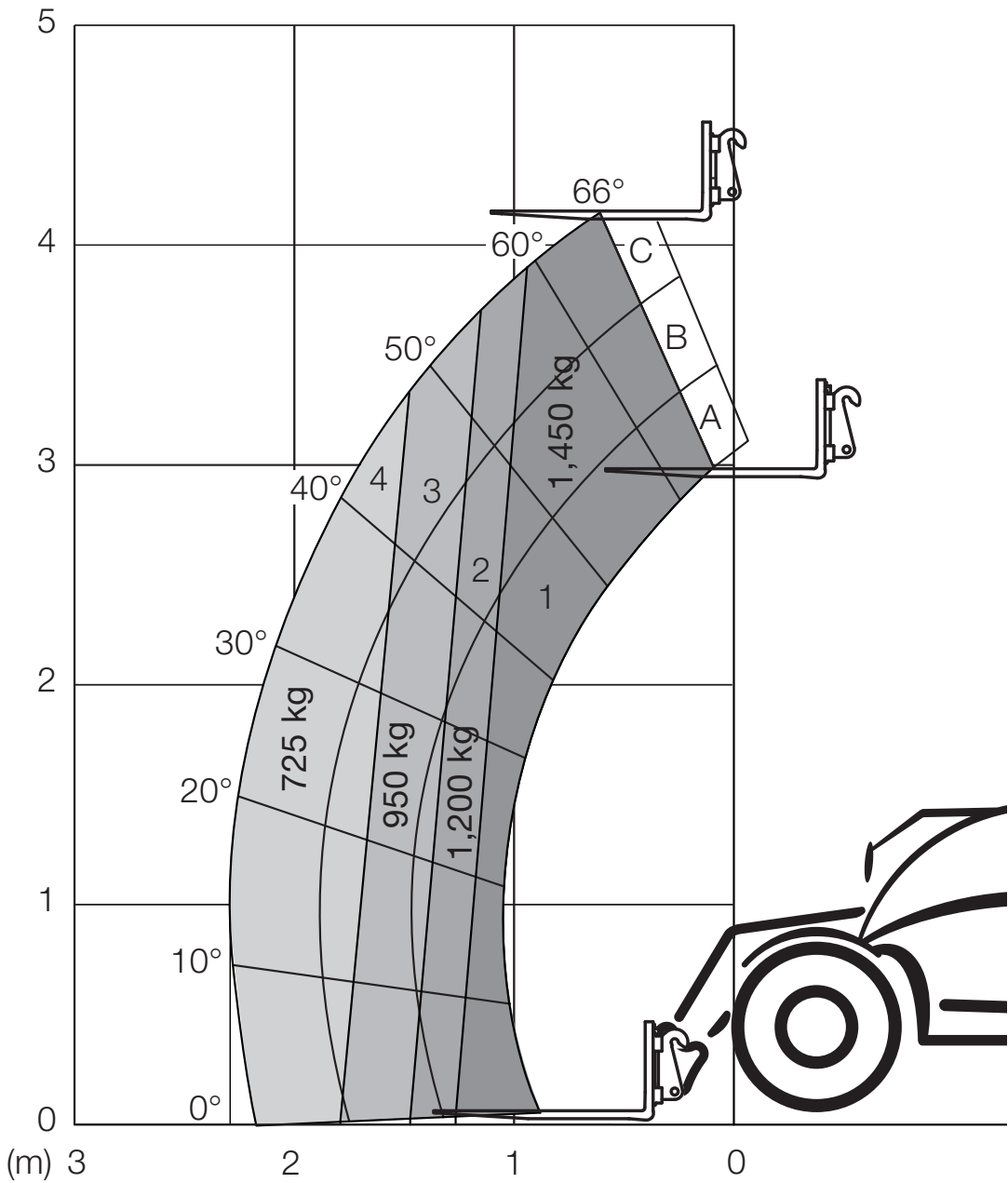


DIMENSIONS		1445	1445e
A	Total length [mm]	3,092	3,092
B	Overall length including blade ¹ [mm]	4,215	4,215
C	Overall width excluding blade ² [mm]	1,564	1,554
D	Track front / rear [mm]	1,245	1,245
E	Overall height ³ [mm]	1,995	1,995
F	Cab width [mm]	702	704
G	Wheelbase, middle [mm]	1,922	1,922
H	Ground clearance ³ below axle and transmission, fording depth [mm]	294	233
I	Distance centre of rear wheel to tail [mm]	427	498
K	Tipping angle ¹ [°]	38	38
L	Dump angle ¹ [°]	36	36
M1	Load-over height: retracted ³ [mm]	3,010	3,010
M2	Load-over height: extended ³ [mm]	4,224	4,224
N1	Dumping height: retracted ³ [mm]	2,272	2,272
N2	Dumping height: extended ³ [mm]	3,486	3,486
O	Dumping range: extended [mm]	669	669
S	Distance from centre front wheel to blade leading edge [mm]	1,595	1,595
T	Distance from centre front wheel bearing to the quick coupler system seatings [mm]	450	450
U	Hinge pin height: extended ³ [mm]	4,537	4,534
-	Turning radius at outer edge of tyre [mm]	2,695	2,695
-	Turning radius at outer edge of bucket [mm]	3,660	3,660
-	Entry height ³ cab floor [mm]	420	420

¹ With standard bucket
² Dependent on tyres, with mirrors folded in
³ Machine dimensions may vary depending on tyres

TECHNICAL DATA

1445 / 1445e
LOAD-BEARING CAPACITY DIAGRAM: WITH LSP 500 MM, KRAMER QUICKHITCH SYSTEM AND STANDARD PALLET FORKS





KRAMER

on the safe side



WHEEL LOADERS

Bucket capacity: 0.35 – 1.80 m³



TELESCOPIC WHEEL LOADERS

Bucket capacity: 0.45 – 1.45 m³



TELEHANDLERS

Payload: 1,450 – 5,500 kg

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