



## 4507

### Telehandler

Versatile and robust for the toughest applications

Kramer telescopic handlers show their strengths especially under tough working conditions. Thanks to the Load Sensing working hydraulics, they achieve fast working cycles. Cleverly designed maintenance access, a lifting capacity of 4.5 t and a stacking height of 7 m are convincing in daily use. The high torque and agile Ecospeed drive system provides tremendous power reserves and also easily handles difficult conditions. The small turning circle thanks to all-wheel steering and the fast charging cycles increase efficiency on site, especially in confined spaces.

**Drive system:** Standard rpm reduction with ecospeed and ecospeedPRO to protect the operator and the machine

**Modern operating concept:** 7" LCD display, all-in-one joystick and jog dial control element for easy machine control

**View upwards:** Externally positioned FOPS grate with suitable longitudinal struts, which tilt outwards corresponding to the operator's field of vision

**EquipCare:** The machine's figures and data at a glance with the telematic solution installed as standard

**All-round visibility:** Perfect overview of all sides thanks to the spacious cabin and flatly-designed engine bonnet

## Technical Data

### Standard engine data

Engine manufacturer	Deutz
Drive output	100 kW
Drive output	136 PS
at max. rpm	2,300 U/min
Cylinder capacity	3,621 cm <sup>3</sup>
Exhaust standard level	V
Exhaust aftertreatment	DOC / DPF / SCR

### Weights

Payload (max.)	4,500 kg
Payload at max. reach	1,500 kg
Payload at max. stacking height	3,300 kg
Stacking height (max.)	7,017 mm
Payload max. (LSP 500 mm)	4,500 kg
Operating weight	8,100 - 9,100 kg
Thrust force (max.)	62.4 kN
Lift capacity (max.)	50.8 kN

### Filling levels

Tank capacity for hydraulic oil	100 l
Tank capacity for urea solution	12 l

### Drive system

Travel speed Standard	0-40 km/h
Travel speed Option 1	0-20 km/h
Travel speed Option 2	0-30 km/h
Differential lock	100% self-locking differential connectable in the front axle

### Hydraulic system

Work hydraulics discharge volume (max.)	140 l/min
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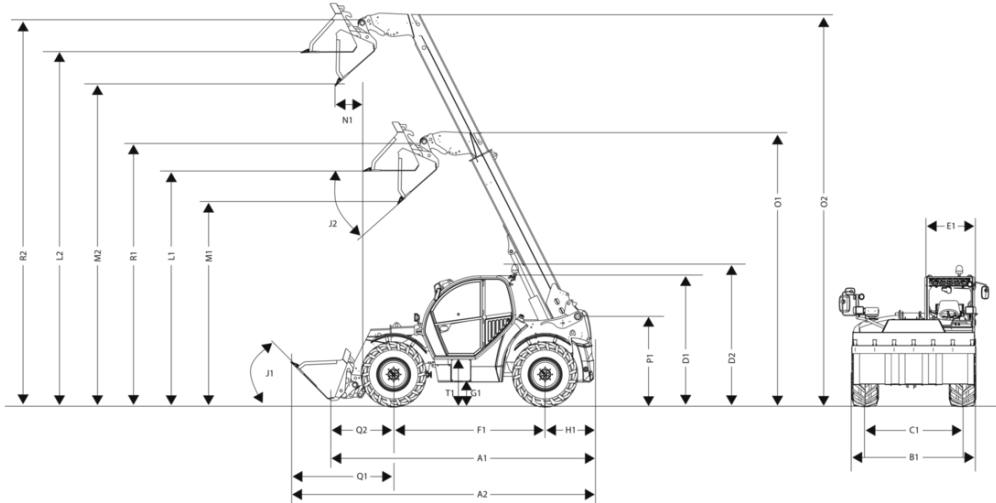
### Steering

Steering angle max.	38 degree
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### Noise characteristic values

Guaranteed sound power level LwA (cabin)	101 dB(A)
Measured sound power level LwA	97.6 dB(A)
Sound pressure level at the operator's ear	72 dB(A)

## Dimensions



A1	Total length	4,985 mm
A2	Total length with bucket	6,160 mm
B1	Total width without bucket	2,500 mm
C1	rear	2,065 mm
D1	Total height	2,570 mm
D2	Total height with rotating beacon	2,740 mm
E1	Cab width	990 mm
F1	Wheel base center	2,950 mm
G1	Ground clearance under axle and transmission, wading depth	418 mm
H1	Distance center rear wheel to rear	950 mm
I1	Rear approach angle (slope angle)	35 °
J1	Dumping angle	45 °
K1	Max. stacking height	7,017 mm
J2	Dumping angle	41 °
L1	Load-over height retracted	4,518 mm
L2	Load-over height extended	6,835 mm
M1	Dumping height retracted	3,865 mm
M2	Dumping height extended	6,183 mm
N1	Dumping width extended	495 mm
O1	Tele extension length retracted	5,287 mm
O2	Tele extension length extended	7,604 mm
P1	Total height telescopic arm mounting in frame	1,761 mm
Q1	Distance center front wheel to bucket leading edge	2,260 mm
Q2	Distance center front wheel bearing quick change frame	935 mm
R1	Bucket pivot point retracted	5,092 mm
R2	Bucket pivot point extended	7,409 mm
S1	Turning radius outer edge wheels	4,240 mm
S2	Turning radius outer edge bucket	5,265 mm
T1	Entry height cab floor	975 mm

## Standard components

### Cab

- ROPS/FOPS tested, sound proofed, vibration-damped, comfortable cabin with 360 degree all-round visibility
- Windshield wipers in front and rear, with intermittent wipers in front, indicator reset
- Indicator for interior cab lighting, door divided, upper door section adjustable to two positions by 180°
- Rear window can be opened
- Telescoping and adjustable tilting steering column
- Hanging pedals and removable floor mats
- Mechanically-sprung comfort operator's seat Grammer MSG85/721
- Electronically pilot-operated multifunction joystick with integrated travel direction selector and telescopic function
- 7" LCD color display to display all vehicle functions; jog dial
- Color-coded switches for hydraulic, electric, driving, and safety features
- Heater with a 3-speed fan, 6 air outlet nozzles, 2 defrosting nozzles
- 12 V outlet, bottle holder, sun shade
- Work light 1x LED on front (1000 lm), work light 1x LED on rear (1000 lm)
- Lighting according to road traffic regulations
- Manual battery isolator switch

### Engine

- Coarse meshed combination radiator for engine water, hydraulic oil and charge air
- Wide-opening engine hood, sight glass for hydraulic oil and cooling water
- Maintenance hatch for easy cleaning of the engine compartment

### Steering and work hydraulics

- 4 steering modes in standard
- 3. control circuit and telescoping function with proportional control
- Continuous function 3rd control circuit can be switched on via toggle switch
- Oil volume for 3rd control circuit and all optional control circuits is adjustable
- Second-generation "Smart Handling" overload and driver assistance system (bucket, stacking, and manual modes)
- Test connections for working hydraulics and travel drive

### Drive system and axles

- Continuously variable, hydrostatic Ecospeed transmission with load-dependent, electronic engine and transmission control

### Vehicle design and kinematics

- Torsion-resistant steel frame in modular profile design and lateral support for the telescopic arm
- Two lockable compartments integrated into the ballast weights, each with 22 liters' volume
- Telescopic arm guided by 13 sliding elements adjustable from outside
- End position damping in telescopic, lifting and tipping cylinders

### Documentation

- Operator's manual, service manual

## Options

### Operator's cab - Cabine

- Air-sprung operator's seat (MSG95AL/722)
- Left armrest
- Air-conditioning system
- Ventilated storage compartment (cooled with air-conditioning system)
- Interior mirror incl. bracket for cell phone and USB outlet 2-way
- Compact exterior mirror on left
  - Not with:
    - External mirror electrically adjustable incl. mirror heating with automatic shut-off
- External mirror electrically adjustable incl. mirror heating with automatic shut-off
- Radio-ready (antenna, speaker)
- Radio system (radio, antenna, speakers)
- Front view camera on right (incl. auxiliary monitor)
- Rear-view camera (integrated in main screen)
- Cab window right and rear, heated
- Wiper and washing system right side window

## Lighting

- LED rotating beacon (yellow)
- LED work lights (1000 Lumen), 1 additional unit at the front, 1 additional unit at the rear
- LED lighting package (1000 Lumen) – (7 additional work lights – 1x front, 1x rear, 1x left, 2x right, 2x outer arm)
- License plate illumination, including license plate bracket at the front

## Equipment for road traffic

- Data confirmation (ABE) for self-propelled working machine

## Engine - Axles - Steering - Drive system

- Ecospeed 40 km/h incl. Smart Driving
- Ecospeed 30 km/h incl. Smart Driving
- Ecospeed PRO 40 km/h incl. Smart Driving (100CC)

## Tires

- Alliance 460/70R24 A-580 – traction profile
- Michelin Bibload 500/70 R24 (multi-purpose profile, direction-independent)
- Firestone 500/70 R24 Duraforce Utility – multi-purpose profile
- Alliance 600/55-26.5 A-331 – FLOTATION
  - Required:
    - Red/white warning stripes (in accordance with DIN 30710)
    - EC Certificate of Conformity for tractors (167/2013/EC – Class T1)
    - Outlet for rear attachments, 7-pole
    - An attachment coupling (not maneuvering hitch) must also be selected!

## Quick change plates & Loading system

- Load stabilizer (vibration damper)
- Mechanical quickhitch facility, Kramer system (telescopic loader "large") (standard)
- Hydraulic quickhitch facility, Kramer system (telescopic loader "large")

## Hydraulics

- Load Sensing work hydraulics, 140 l/min (standard)
- Load Sensing work hydraulics, 187 l/min
- Pressure release of 3rd control circuit
- Automatic bucket return (ABR), including vibration function of the tipping cylinder
- Filling of the hydraulic system with environmentally friendly and biodegradable hydraulic oil
- 2-way multi-coupler
  - only in combination with:
    - Pressure release of 3rd control circuit
    - Hydraulic quick coupler system, Kramer System (telehandler "large")
- 4-way multi-coupler
  - only in combination with:
    - Pressure release of 3rd control circuit
    - Hydraulically activated control circuit in front (electronic switch-over)
    - Hydraulic quick coupler system, Kramer System (telehandler "large")

## Electrical system

- Plug receptacle for front attachments, 4-pole

## Safety options

- Mechanical oscillating axle lock
- Immobilizer system, integrated in the ignition switch key
- Underbody protection
  - only in association with
    - Cover for the drive train
- Cover for the drive train
- Fire extinguisher (2 kg)
- Dirt wipers, telescopic arm
- Red/white warning stripes (in accordance with DIN 30710)
- Oil level monitoring (hydraulic oil)
- Tipping cylinder lock
- Tire blow-out protection
- Dry lubrication (smooth paint) of telescopic arm
- Protective grating for windshield, removable (not approved for machine travel on public roads)

## Paint

- Custom-made paint finish, one color according to RAL (gray parts are not included) \*
- Protective measures for use in aggressive materials (salt and fertilizer use)
  - only in association with
    - Dry lubrication (smooth paint) of telescopic arm
    - Dirt wipers, telescopic arm
    - Cover for the drive train
- Overseas transport protection

\* We reserve the right to reject paints that are similar to protected colors or color combinations by other manufacturers.

## Other

- Low-speed device and hand throttle
- 100 % differential lock
- Towing hitch
- Vacuum pre-filter
- Cyclone pre-filter
- Cyclone pre-filter Turbo III
- Reverse fan
- Engine pre-heating, fuel, hydraulic oil (230 V)
- Central lubrication system (aggressive media)
  - only in association with
    - Protective measures for use in aggressive materials (salt and fertilizer use)
    - Dry lubrication (smooth paint) of telescopic arm
    - Dirt wipers, telescopic arm
- Central lubrication system preparation (lubrication line laid in the arm)
- (Fully automatic) central lubrication unit
- EquipCare Dual ID

## Extended warranties

- Security 24 months (2000 h)
- Security 36 months (3000 h)
- Security 48 months (3000 h)
- Security 48 months (4000 h)
- Security 48 months (5000 h)
- Security 60 months (4000 h)
- Security 60 months (5000 h)
- Power-Line (24 months or 2000 h)
- Power-Line (36 months or 3000 h)
- Power-Line (48 months or 3000 h)
- Power-Line (48 months or 4000 h)
- Power-Line (48 months or 5000 h)
- Power-Line (60 months or 4000 h)
- Power-Line (60 months or 5000 h)
- EquipCare 36 months (incl. App & Manager) - (series)