



5509

Telehandler

For your daily masterpiece

The largest Kramer telehandler 5509 is characterised by a stacking height of almost 9 m and a payload of 5.5 t. To efficiently complete difficult tasks, the installed Deutz engine provides high torque, and the ecospeedPRO - transmission, installed as standard, ensures comfortable working conditions with travel speeds of up to 40 km/h. In doing so, intelligent assistance systems guarantee safe and fast working cycles.

Four steering types: All-wheel, front-axle, crab steering and manual crab steering - the right type of steering for any application

Heavy-duty axles: Maximum durability of the vehicle, even with demanding applications, due to the heavy-duty axles

Stacking height: Maximum stacking height of 8.75 m with telescopic loading system

Engine: Powerful Deutz engines of the EU exhaust emission stage V with a maximum output of 115 kW (156hp) and a wide-opening engine bonnet for easy maintenance

Hydraulics: Extremely quick work cycles as a result of the powerful work hydraulics with Load Sensing and maximum 187 l/min

Technical Data

Standard engine data

Engine manufacturer	Deutz
Drive output	115 kW
Drive output	156 PS
at max. rpm	2,300 U/min
Cylinder capacity	4,038 cm ³
Exhaust standard level	V
Exhaust aftertreatment	DOC / DPF / SCR

Weights

Payload (max.)	5,500 kg
Payload at max. reach	2,200 kg
Payload at max. stacking height	5,500 kg
Stacking height (max.)	8,750 mm
Payload max. (LSP 500 mm)	5,500 kg
Operating weight	10,500 - 11,500 kg
Thrust force (max.)	67.6 kN

Lift capacity (max.) 67.3 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

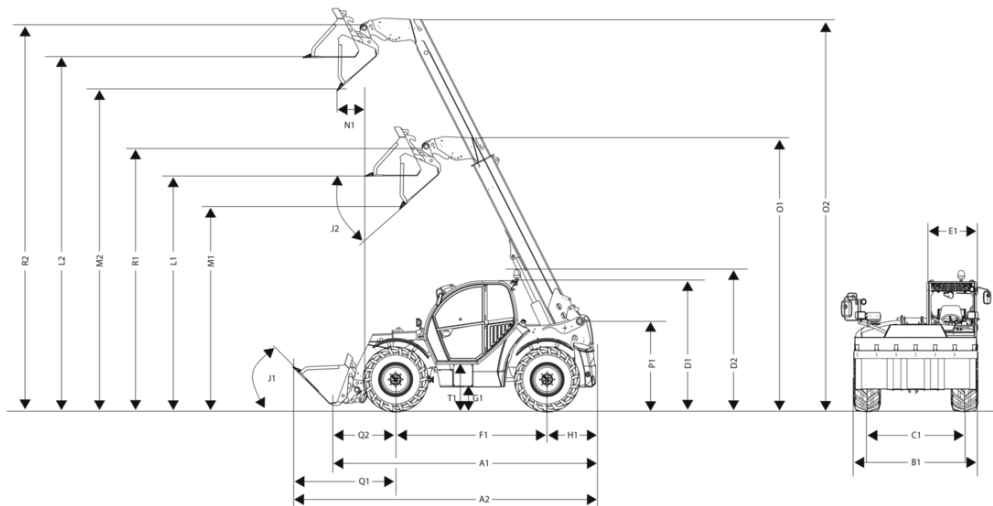
Steering

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	97.1 dB(A)
Sound pressure level at the operator's ear	72 dB(A)

Dimensions



A1	Total length	5,600 mm
A2	Total length with bucket	6,690 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	3,150 mm
G1	Ground clearance under axle and transmission, wading depth	412 mm
H1	Distance center rear wheel to rear	1,140 mm
I1	Rear approach angle (slope angle)	32 °
J1	Dumping angle	45 °
K1	Max. stacking height	8,750 mm
J2	Dumping angle	41 °
L1	Load-over height retracted	5,545 mm
L2	Load-over height extended	8,498 mm
M1	Dumping height retracted	5,015 mm
M2	Dumping height extended	7,997 mm
N1	Dumping width extended	63 mm
O1	Tele extension length retracted	6,277 mm
O2	Tele extension length extended	9,243 mm
P1	Total height telescopic arm mounting in frame	1,935 mm
Q1	Distance center front wheel to bucket leading edge	2,400 mm
Q2	Distance center front wheel bearing quick change frame	1,310 mm
R1	Bucket pivot point retracted	6,116 mm
R2	Bucket pivot point extended	9,083 mm
S1	Turning radius outer edge wheels	4,415 mm
S2	Turning radius outer edge bucket	5,650 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
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- 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 work machine

Engine - Axles - Steering - Drive system

- Ecospeed PRO 40 km/h incl. Smart Driving
- Ecospeed PRO 30 km/h incl. Smart Driving
- Ecospeed PRO 40 km/h reduced to 20 km/h incl. Smart Driving

Tires

- Alliance 460/70R24 A-580 – traction profile
- 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, 187 l/min (standard)
- 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")
- Hydraulically activated leveling front axle

Electrical system

- Plug receptacle for front attachments, 4-pole

Safety options

- Hydraulically activated leveling front axle
- 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 (series)
- Towing hitch
- Vacuum pre-filter
- 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)