



KRAMER
on the safe side

KL37.8T

Telescopic wheel loaders

HIGH FLYER WITH MAXIMUM COMFORT

The KL37.8T from the Kramer Premium 8 Series range combines maximum safety and comfort with a huge range of options. The one-piece frame of the vehicle makes both a high level of maneuverability and a constant payload possible. The narrow box structure of the telescopic loading system provides optimal visibility. The machine is optionally available with a 74 kW Deutz engine and an ecospeed transmission.

Working hydraulics: The load-independent flow distribution (LUDV) ensures parallel execution of the various hydraulic functions

Telescopic loading system: Increased productivity thanks to increased reach, stacking and dumping height as well as an optimum overview thanks to the narrow box design

Driving modes: The driver can select the right driving mode (Power, Eco, Road, CSD) for every driving situation

Smart Attach: The fully hydraulic quick-release plate fitted as standard enables hydraulic attachments to be coupled conveniently from the cab without having to get in and out of the cab

Panoramic cabin: The optionally available front windshield that has been extended upwards guarantees an ideal view of the attachment when the loader unit is extended

Technical Data

Standard engine data

Engine manufacturer	Deutz
Drive output	55.4 kW
Drive output	75 PS
Cylinder capacity	2,924 cm ³
Exhaust standard level	V
Exhaust aftertreatment	DOC / DPF

Weights

Bucket capacity (standard bucket)	0.95 m ³
Payload (max.)	1,710 kg
Operating weight	6,000 - 6,800 kg
Payload (S=1.25)	2,400 kg
Tipping load (standard bucket)	3,700 kg
Tipping load (pallet fork)	3,000 kg

Filling levels

Tank capacity for fuel	120 l
Tank capacity for hydraulic oil	64 l

Drive system

Travel speed Standard	0-20 km/h
Travel speed Option 1	0-30 km/h
Travel speed Option 2	0-40 km/h
Differential lock	100 % front axle + rear axle

Hydraulic system

Work hydraulics discharge volume (max.)	90 l/min
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Kinematics

Kinematics type	Z
Quick change system	Kramer HV/WL-C; includes Smart Attach

Steering

Steering angle max.	40 degree
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Noise characteristic values

Guaranteed sound power level LwA (cabin)	101 dB(A)
Measured sound power level LwA	98.8 dB(A)
Sound pressure level at the operator's ear	74 dB(A)

Dimensions



A1	Total length with standard attachment	6,133 mm
B1	Wheel base center	2,150 mm
C1	Rear overhang	1,620 mm
D3	Height with cab	2,690 mm
D6	Height with air-conditioning system	2,735 mm
D10	Total height with rotating beacon	2,925 mm
E1	Max. height blade pivot point retracted	3,745 mm
E2	Max. height blade pivot point extended	4,840 mm
F1	Load-over height retracted	3,540 mm
F2	Load-over height extended	4,630 mm
G1	Dumping height retracted	3,020 mm
G2	Dumping height extended	4,120 mm
H1	Dumping width retracted	550 mm
H2	Dumping width extended	980 mm
I1	Digging depth	50 mm
J1	Total width	1,970 mm
K1	Ground clearance	350 mm
L1	Turning radius outer edge wheels	3,000 mm
M1	Steering angle	40 °
M2	Swing angle	22 °
N1	Dumping angle at max. lifting height retracted	40 °
N2	Dumping angle at max. lifting height extended	40 °
O1	Dumping angle at ground level	41 °
P1	Distance center front axle to tooth tip	2,375 mm
Q1	Bucket width	2,050 mm
R1	Stacking height retracted	3,500 mm
R2	Stacking height extended	4,600 mm
D8	Height with panoramic cab	2,650 mm
D9	Height with panoramic cab and air-conditioning system	2,735 mm

Standard components

Cab

- Soundproofed, vibration-insulated, 4-point cab with large, thermal insulation glazing deep-drawn and rear window heating
- Entry and exit on both sides
- Comfort seat with mechanical suspension (MSG85/722), with automatic seat belt, weight, backrest and two-fold horizontal adjustment
- 3-stage powerful heating and ventilation, and defroster nozzles on the front windscreen
- Colour-coded rocker switch for hydraulic, electric, driving and safety features
- Telescoping and adjustable tilting steering column
- Joystick console (fold-down)
- Sun visor, interior mirror, 12 V plug receptacle, cab light, large, foldable outside rear-view mirror on both sides
- Windscreen wipers front and back, front with intermittent wipers
- Working lights 2x LED basic rear, working lights 2x LED basic front (1000 Lm)
- StVZO (German road traffic regulations) lighting
- Tested according to ROPS and FOPS II

Engine

- Battery isolator switch
- Hydraulic fan drive
- Engine automatic stop

Power transmission

- Combined brake-inch pedal
- Connectible 100% lock differential in front and rear axle
- Mechanical parking brake
- Lubrication line for pendulum pins

Steering and work hydraulics

- Hydrostatic all-wheel steering with emergency steering properties
- Electronic pilot-controlled joystick for raising/lowering
- Pressure release of 3rd control circuit
- Emptying/filling the loader unit and telescoping function with rocker switch for selecting the travel direction as well as integrated 3rd control circuit (proportional control) and functional lighting integrated into the joystick

Kinematics

- Smart Attach (fully-hydraulic quickhitch facility)
- Z-kinematics
- Telescopic boom dirt scraper

Documentation

- Operator's manual, service manual

Options

Operator's cab & Cabine

- Cab with sliding window in left-side door glass
- Panoramic cab
- Air-sprung operator's seat with lumbar support and heated seat (MSG95AL/722)
- Auxiliary heating
- Outside rear-view mirrors right + left heated
- Air-conditioning system
 - only in combination with:
 - Panoramic cab
- Document box
- Radio DAB+ ready (aerial, speaker)
- Radio system DAB+ reception (BT radio, antenna, speaker)
- 7" display + jog dial (incl. angle display, oil volume adjustment, automatic load stabilizer setting, tractive force regulation, joystick sensitivity)
- Bracket for cell phone + USB outlet
- Rear-view camera
 - only in combination with:
 - 7" display + jog dial (incl. angle display, oil volume adjustment, automatic load stabilizer setting, tractive force regulation, joystick sensitivity)

Lighting

- LED rotating beacon
- 4x LED Basic work lights at the front (1000 Lumen)
- 2x LED Basic work lights side-mounted (1000 Lumen)
- 2x LED Basic work lights on telescopic loading system at the front (1000 Lumen)

Approval, road traffic

- License plate bracket (incl. license plate illumination)
 - includes:
 - License plate illumination
 - License plate bracket, front and rear
- Sidelights for special buckets incl. side marker lights
- Data confirmation (ABE) for self-propelled work machine (standard)*
- EC Tractor CoC for Agricultural/Forestry Tractor Approval (LOF-ZGM-EG-Zulassung, 2003/37/EC – Class T1) no data confirmation
 - only in combination with:
 - License plate bracket (incl. license plate illumination)
 - Rear outlet 7-pole
 - An attachment coupling (not maneuvering hitch) must also be selected!
- EC Tractor CoC for Agricultural/Forestry Tractor Approval (LOF-ZGM-EG-Zulassung, 2003/37/EC – Class T1) + data confirmation – only for Germany
 - only in combination with:
 - License plate bracket (incl. license plate illumination)
 - Rear outlet 7-pole
 - An attachment coupling (not maneuvering hitch) must also be selected!

*Germany, Luxembourg, Netherlands, Austria, Slovakia, the Czech Republic, Switzerland, Estonia, Latvia, Lithuania, Hungary

Drive system & steering

- Motor with increased power (Deutz TCD 3.6 74 kW / 100 hp) – exhaust emission Stage V
- Reversible fan motor
- Automatic engine stop (option)
- Ecospeed 40 km/h incl. Smart Driving
 - only in combination with:
 - Motor with increased power (Deutz TCD 3.6 74 kW / 100 hp) – exhaust emission Stage V
 - License plate bracket (incl. license plate illumination)
 - Load stabilizer (vibration damper)
- Ecospeed 40 km/h incl. Smart Driving (limited to 30 km/h)
 - only in combination with:
 - Motor with increased power (Deutz TCD 3.6 74 kW / 100 hp) – exhaust emission Stage V
 - License plate bracket (incl. license plate illumination)
 - Load stabilizer (vibration damper)
- Ecospeed 40 km/h incl. Smart Driving (limited to 20 km/h)
 - only in combination with:
 - Motor with increased power (Deutz TCD 3.6 74 kW / 100 hp) – exhaust emission Stage V
 - License plate bracket (incl. license plate illumination)
 - Load stabilizer (vibration damper)
- Ecospeed 30 km/h incl. Smart Driving
 - only in combination with:
 - License plate bracket (incl. license plate illumination)
 - Load stabilizer (vibration damper)
 - not with
 - Motor with increased power (Deutz TCD 3.6 74 kW / 100 hp) – exhaust emission Stage V
- Driving mode Power/Eco/Road/Pedal mode (incl. low-speed control & manual throttle)
- Steering type Smart Steering
 - only in combination with:
 - 7" display + jog dial (incl. angle display, oil volume adjustment, automatic load stabilizer setting, tractive force regulation, joystick sensitivity)

Tires

Not possible with EC Tractor CoC for Agricultural/Forestry Tractor Approval (LOF-ZGM-EG-Zulassung, 2003/37/EC – Class T1)

- Mitas 405/70 R24 EM 01 – multi-purpose profile, direction-independent

Tires for EC tractor

Required for EC Tractor CoC for Agricultural/Forestry Tractor Approval (LOF-ZGM-EG-Zulassung, 2003/37/EC – Class T1)

- Mitas 16/70-20 MPT-04 ET0 – construction machine profile (standard)
- Michelin 400/70R20 BIBLOAD – multi-purpose profile
- Michelin 400/70 R24 XMCL ET0
- Nokian 420/65 R24 TRI 2 – municipal profile (caution: no digging depth / reduced steering angle)
- Firestone 400/70 R20 Duraforce
- Trelleborg 400/70R20 TH500 ET0
- Trelleborg 400/70R20 TH400 ET0
- Trelleborg 400/70R24 TH400 ET0

Loading system & Quick coupler system

- Load stabilizer (vibration damper)
- Smart Attach (fully hydraulic quick coupler system); Kramer System HV/WL-C (standard)
- Hydraulic quick coupler system, EURO System (technical data and available attachments may differ)

Hydraulics

- Pre-heating package
 - includes:
 - Hydraulic oil pre-heating (230 V)
 - Coolant pre-heating (230V)
 - Fuel pre-heating (230 V)
- Filling of the hydraulic system with environmentally friendly and biodegradable hydraulic oil

Hydraulics - front area

- Diverter valve in front on 3rd control circuit
- Front return line, unpressurized return + leak oil
- High flow; incl. 1 double-acting control circuit for positioning movements with attachment, incl. leak oil line and unpressurized return
 - Recommended:
 - Front outlet 7-pole (2 switch positions)
 - Driving mode Power/Eco/Road/Pedal mode (incl. low-speed control & manual throttle)
- Automatic bucket return
 - only in combination with:
 - 7" display + jog dial (incl. angle display, oil volume adjustment, automatic load stabilizer setting, tractive force regulation, joystick sensitivity)
- Shake function (vibratory function of the tipping cylinder)
 - only in combination with:
 - Automatic bucket return
 - 7" display + jog dial (incl. angle display, oil volume adjustment, automatic load stabilizer setting, tractive force regulation, joystick sensitivity)
- Tipping cylinder and lowering throttle for work platform preparation (only ex-factory, not retrofittable)
 - only in combination with:
 - Hose burst valve for lifting and tilting cylinders

Hydraulics - rear area

- Auxiliary control circuit for tipper (tipper connection)
- Auxiliary control circuit for tipper (for rear attachments, single-acting) including unpressurized return

Electrical system

- Rear outlet 7-pole
- Rear outlet 13-pole
- Front outlet 7-pole (2 switch positions)
 - not with:
 - Front outlet 7-pole (2 switch positions) on telescopic arm
- Front outlet 7-pole (2 switch positions) on telescopic arm
 - not with:
 - High flow; incl. 1 double-acting control circuit for positioning movements with attachment, incl. leak oil line and unpressurized return
- Rear outlet (DIN signal socket)
- Front outlet (30A)

Safety options

- Hose burst valve for lifting and tilting cylinders (standard)
- Reverse alarm (acoustic)
- Red/white warning stripes (in accordance with DIN 30710)
- EquipCare + Dual ID
 - not with:
 - Immobilizer system, integrated in the ignition switch key
- Immobilizer system, integrated in the ignition switch key
 - not with:
 - EquipCare + Dual ID
- Fire extinguisher (2 kg)
- Seatbelt monitoring with seatbelt alarm
- Orange safety belt (standard)
 - not with:
 - Air-sprung operator's seat with lumbar support and heated seat (MSG95AL/722)
- Telescopic arm smooth paint
- Telescopic cover
 - not with:
 - High flow; incl. 1 double-acting control circuit for positioning movements with attachment, incl. leak oil line and unpressurized return

Paint

- Single-color RAL custom paint finish (gray parts not included)**
- Vehicle operation with corrosive agents (salt and fertilizer use)
 - Recommended:
 - Telescopic cover
 - Telescopic arm smooth paint

** We reserve the right to decline paint finishes that exhibit similarities to protected colors or color combinations of other manufacturers!

Other

- Pre-configured central lubrication system (lubrication line positioned in the arm)
- (Fully automatic) central lubrication unit
 - not with:
 - Vehicle operation with corrosive agents (salt and fertilizer use)
- Central lubrication system (corrosive agents)
 - recommended with:
 - Vehicle operation with corrosive agents (salt and fertilizer use)
- Central lubrication point

Ball hitches & Brake systems

- Ball hitch attachment coupling (K50) – fixed to frame
- Automatic attachment coupling 38 mm – fixed to frame
- Mechanical attachment coupling 32 mm – fixed to frame
- Bearing block for attachment couplings height-adjustable (insert for attachment coupling required)
- Automatic 38 mm attachment coupling insert for trailer mount height-adjustable
- K50 ball hitch insert for trailer mount height-adjustable, only suitable for height-adjustable drawbars
- K50 ball hitch insert for trailer mount height-adjustable extended
- Mechanical attachment coupling insert – 32 mm for trailer mount height-adjustable
- Pneumatic trailer brake valve
 - only in combination with:
 - Ecospeed 40 km/h incl. Smart Driving
 - or
 - Ecospeed 40 km/h incl. Smart Driving (limited to 30 km/h)
 - or
 - Ecospeed 40 km/h incl. Smart Driving (limited to 20 km/h)
- Hydraulic trailer brake valve
 - only in combination with:
 - Ecospeed 40 km/h incl. Smart Driving
 - or:
 - Ecospeed 40 km/h incl. Smart Driving (limited to 30 km/h)
 - or:
 - Ecospeed 40 km/h incl. Smart Driving (limited to 20 km/h)

A front ballast weight is required to operate a trailer with the corresponding bearing load.

Extended warranties

- Security 24 (2000 h)
- Security 36 (3000 h)
- Security 48 (4000 h)
- Security 60 (5000 h)