

KL14.5

Wheel loader

Performance in perfect proportion

KL14.5 is agile when it comes to movement, dynamic when it comes to power delivery and slim when it comes to design. With optimised power-to-weight ratio, low shipping weight and constantly higher payload, the machine is an ideal helper for stacking or loading material in narrow spaces.

Smart Driving Pro: Three driving modes that can be changed at the push of a button (PWR - Power Mode, ECO - Eco Mode and CSD - Slow Drive Mode) support the driver in the respective applications

Modern cabin design: Generous glass surfaces, a wide entry and exit, a functional side console incl. storage compartments and the optional air conditioning make it extremely comfortable

Maximum performance: The wheel loader is equipped with working hydraulics with 30 l/min. Optionally, even 60 l/m are feasible with the Highflow option

Compact dimensions: With a width of 1.26 meters, the loader can get through almost any barn entrance and can be driven effortlessly on the sidewalk during maintenance work

Speed: Optionally, a speed of up to 30 km/h can be reached

Technical Data

Standard engine data

Engine manufacturer	Yanmar
Drive output	28.5 kW
Drive output	38.8 PS
at max. rpm	2,600 U/min
Cylinder capacity	1,568 cm³
Exhaust standard level	V
Exhaust aftertreatment	DOC / DPF

Weights

Bucket capacity (standard bucket)	0.36 m³
Payload (max.)	700 kg
Operating weight	1,900 - 2,400 kg
Payload (S=1.25)	900 kg
Thrusting force (max.)	1,160 daN
Lift capacity (max.)	11.6 kN
Tipping load (standard bucket)	1,400 kg
Tipping load (pallet fork)	1,125 kg
Tipping load (pallet fork)*	1,438 kg

Filling levels

Tank capacity for fuel	48 l
Tank capacity for hydraulic oil	39 l

Drive system

Travel speed Standard	0-20 km/h
Travel speed Option 1	0-30 km/h

Hydraulic system

Work hydraulics discharge volume (max.)	30 l/min

Kinematics

Kinematics type	Z

Steering

Steering angle max.	38 degree

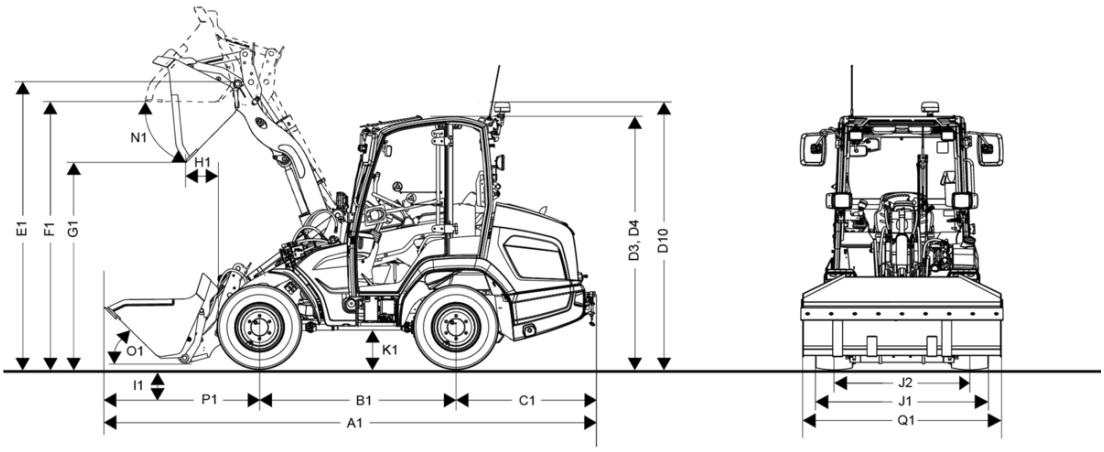
Noise characteristic values

Guaranteed sound power level LwA (cabin)	101 dB(A)
Measured sound power level LwA	99.1 dB(A)
Sound pressure level at the operator's ear	80 dB(A)

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Dimensions



A1	Total length with standard attachment	4,090 mm
B1	Wheel base center	1,525 mm
C1	Rear overhang	1,140 mm
D2	Height with canopy down	2,020 mm
D3	Height with cab	2,170 mm
D4	Height with cab lowered	2,020 mm
D10	Total height of cabin with rotating beacon	2,490 mm
E1	Max. height blade pivot point	2,800 mm
F1	Load-over height	2,680 mm
G1	Dumping height	2,260 mm
H1	Dumping width	290 mm
I1	Digging depth	60 mm
J1	Total width	1,240 mm
J2	Track width	970 mm
L1	Turning radius outer edge wheels	2,000 mm
M1	Steering angle	38 °
M2	Swing angle	14 °
N1	Dumping angle at max. lifting height	40 °
O1	Dumping angle at ground level	20 °
P1	Distance center front axle to tooth tip	1,430 mm
Q1	Bucket width	1,400 mm
R1	Stacking height	2,630 mm

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Standard components

Operator's cab

- Open cabin (LOW CABIN) with heated rear windshield (not available for cabin)
- Joystick, electrical 3rd control circuit with continuous function, with roll switch for travel direction selection
- Mechanically-sprung operator's seat with faux leather cover (MSG85/721) with automatic seat belt; weight, back and horizontal adjustment
- Color-coded keypads for hydraulic, electric, driving and safety functions
- Document box (not available for cabin)
- Inspected according to ROPS and FOPS I
- Work lights 2x LED Basic on front, 2x LED Basic on rear (1000 Lumen)
- Lighting according- road traffic regulations

Power transmission

- Axle carrier made of cast steel with wheel hub motors
- Pendulum pin lubrication line

Steering and work hydraulics

- Final position synchronization
- Hydrostatic all-wheel steering with emergency steering properties

Kinematics

- Z-kinematics with optimized parallel guidance
- Hydraulic quick-hitch plate
- Visual position indicator for bucket and fork

Documentation

- Operator's manual, service manual

Options

Operator's cab & Cabine

- Low canopy (standard)
  - possible seat options:
    - MSG20 faux leather
- Low cabin with heating
  - possible seat options:
    - MSG20 fabric cover
    - MSG20 faux leather
    - Air-sprung operator's seat with lumbar support and heated seat (MSG75GL/521)
- Cabin with heater
  - possible seat options:
    - Operator's seat MSG85/721 (fabric cover)
    - Operator's seat MSG85/721 (faux leather)
    - Air-sprung operator's seat with lumbar support and heated seat (MSG75GL/521)
- Air conditioning
- Heated rear-view mirror
- Heated windscreen (as standard for low canopy)
- Incline-adjustable steering column
- Radio installation
- Radio system (radio, antenna, speaker)
- Document box (as standard for low canopy)

Lighting

- LED rotating beacon
- LED work lights package
  - includes:
    - 2 front LED work lights
    - 2 rear LED work lights

Approval, road traffic

- License plate illumination, including license plate bracket
- Data confirmation (ABE) for self-propelled working machine (standard) *

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

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Drive system & Axles

- Automatic stop (engine cut via seat contact switch)
- 3 Steering Modes
- Differential lock (flow divider)
- low-speed control and hand throttle
  - includes:
    - Operating modes: Power, Eco, Accelerator Mode
- Hydrostat 30 km/h
  - only in association with:
    - 3 Steering Modes
    - Registration plate lighting, including registration plate bracket
    - Load stabiliser (vibration damper)
- Skid plate
- Pre-heating package
  - includes:
    - Hydraulic oil pre-heating (230 V)
    - Coolant pre-heating (230V)
    - Fuel pre-heating (230 V)

Tires

- Mitas TS-05 10.0/75-15.3 - Traction tread
- Continental MPT81 315/55R16 - Municipal tread

Loading system & Quick coupler system

- Load stabiliser (vibration damper)
- Floating position
- Load hook

Hydraulics

- Filling the hydraulic system with environmentally friendly and biodegradable hydraulic oil

Hydraulics in front

- Power hydraulics highflow 60l/min; incl. 1 double-acting control circuit for feed movements to the attachment; incl. leakage oil line and pressureless return line
  - Recommended:
    - Outlet for front attachments, 7-pole (2 switch positions)
    - Low-speed device and hand throttle
  - not with:
    - Canopy
- Unpressurized return line, front, including overflow oil line
- Pressure release of 3rd control circuit

Electrical system

- Outlet for rear attachments, 13 pole
- Outlet for front add-on equipment, 7-pole (2 switch positions)
- Battery isolator switch plus externally separating

Safety options

- Reverse alarm
- Hose burst valves for lift and tipping cylinders
- Drive interlock integrated in ignition switch key
- Dual ID (Access Control)
- Fire extinguisher (2 kg)
- Seatbelt alarm

Paint

- Special painting in one color according to RAL (gray parts are not included)*
- Protective measures for use in aggressive materials (salt and fertilizer use)

We reserve the right to reject paintwork which has similarities to protected colors or color combinations from other manufacturers.

Other

- Central lubrication point
- Lubrication line for pendulum pins, rear axle

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Ball hitches

A tail socket must always be selected in conjunction with a ball hitch (not a shunting coupling)

- Shunting coupling
- Automatic ball hitch 38 mm - frame fixed

Extended warranties

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

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