

8145T

Telescopic wheel loader

More power. More range. More telescopic wheel loaders.

In the 9 to 11 ton class, the 8145T can be used for material handling on large construction sites and for loading and unloading heavy transport chains and carriers in industry and recycling. Due to the compact box design of the loading system, the view of the various attachments is always unrestricted.

Continuously variable hydrostatic transmission:&amp;#160;The ecospeedPRO for the speed range up to 40 km/h including optional Smart Driving.

Powerful: The load-sensing hydraulics enable fast work cycles with 150 l/min or optional 180 l/min.

Engine: A 100 kW Deutz TCD 3.6 L4 engine or optionally a 115 kW Deutz TCD 4.1 L4 engine.

Innovative interior: The ergonomically arranged controls and excellent all-round visibility ensure fatigue-free and efficient work.

Intelligent airflow: The reversing fan ensures high cooling capacity with low maintenance, as no dust is stirred up by the airflow.

Technical Data

Standard engine data

Engine manufacturer	Deutz
Drive output	100 kW
Drive output	136 PS
Cylinder capacity	3,621 cm³
Exhaust standard level	V
Exhaust aftertreatment	DOC / DPF / SCR

Weights

Bucket capacity (standard bucket)	1.45 m³
Payload (max.)	3,900 kg
Operating weight	11,170 kg
Payload (S=1.25)	3,900 kg
Tipping load (standard bucket)	5,500 kg
Tipping load (pallet fork)	4,870 kg

Filling levels

Tank capacity for fuel	140 l
Tank capacity for hydraulic oil	125 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

Hydraulic system

Work hydraulics discharge volume (max.)	150 l/min

Kinematics

Kinematics type	Z

Steering

Steering angle max.	40 degree

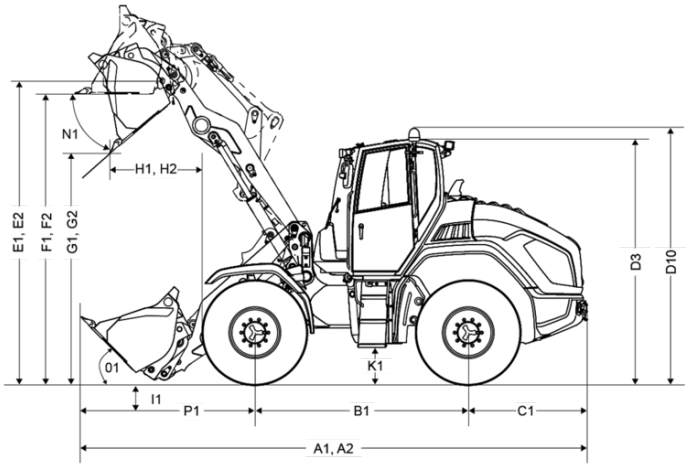
Noise characteristic values

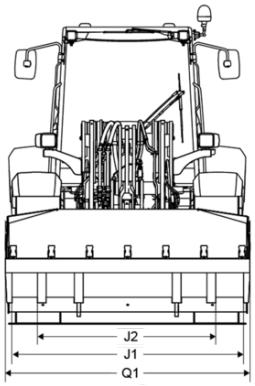
Guaranteed sound power level LwA (cabin)	102 dB(A)
Measured sound power level LwA	100.7 dB(A)
Sound pressure level at the operator's ear	70 dB(A)

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Dimensions





A1	Total length with standard attachment	7,020 mm
B1	Wheel base center	2,620 mm
C1	Rear overhang	1,520 mm
D3	Height with cab	3,010 mm
D10	Total height with rotating beacon	3,275 mm
E1	Max. height blade pivot point retracted	4,285 mm
E2	Max. height blade pivot point extended	5,420 mm
F1	Load-over height retracted	4,040 mm
F2	Load-over height extended	5,170 mm
G1	Dumping height retracted	3,330 mm
G2	Dumping height extended	4,460 mm
H1	Dumping width retracted	1,110 mm
H2	Dumping width extended	1,510 mm
I1	Digging depth	150 mm
J1	Total width	2,500 mm
J2	Track width	1,955 mm
K1	Ground clearance	445 mm
L1	Turning radius outer edge wheels	3,865 mm
M1	Steering angle	40 °
M2	Swing angle	24 °
N1	Dumping angle at max. lifting height retracted	40 °
N2	Dumping angle at max. lifting height extended	40 °
O1	Dumping angle at ground level	40 °
P1	Distance center front axle to tooth tip	3,841 mm
Q1	Bucket width	2,500 mm
R1	Stacking height retracted	4,120 mm
R2	Stacking height extended	5,250 mm

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Standard components

Cab

- Comfortable, spacious cabin
- Interior lighting with door contact switch; entrance and exit on both sides
- Cabin inspected according to ROPS and FOPS; windshield wipers front and rear, front and back with intermittent wipers
- Telescoping and adjustable tilting steering column
- Joystick console (fold-down)
- Mechanically-sprung operator's seat (MSG85/722) with automatic seat belt; weight, back and twin horizontal adjustment
- 7” LCD display with integrated rear-view camera
- Electronically pilot-operated multifunction joystick with integrated travel direction selector for use at night
- 3-stage powerful heating and ventilation and defroster nozzles on the windscreen
- Bluetooth radio with hands-free system
- Automatic air conditioning
- 12 V socket
- Sun blind with three different positions
- Work lights 4x LED Basic (1000 Lumen)
- Lighting according to road traffic regulations

Engine

- Battery disconnector switch
- Hydraulically reversible fan
- Four-part cooling system (hydraulic, charge air, cooling water cooler, air conditioning condenser)
- Wide-opening engine hood with rubber seal, sight glass for hydraulic oil level and cooling water

Power transmission

- Combined brake-inch pedal
- 100% self-locking differential connectible in front and rear axle
- Electro-hydraulic disc brakes with spring suspension in the front axle, also acting on the rear axle via the universal joint shaft
- Pendulum pin lubrication line

Steering and work hydraulics

- Hydrostatic all-wheel steering with emergency steering properties
- 3rd control circuit with proportional control and continuous function
- Pressure release of 3rd control circuit
- Oil volume for auxiliary control circuits can be set
- Automatic bucket retract mechanism

Drive system & Axles

- Automotive infinitely variable, hydrostatic axial piston transmission

Kinematics

- Dirt wipers, telescopic arm
- Z-kinematics
- Hydraulic quick coupler according to ISO 23727 (Volvo TPV system)

Documentation

- Operator's manual, service manual

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Options

Cab

- Rotating beacon (yellow)
- Rotating LED beacon (yellow)
- Lighting package (8 work lights - 4 x front, 2 x rear, 2 x side) - No standard working lights
- Lighting package LED (8 work lights - 4 x front, 2 x rear, 2 x side) - No standard working lights
- Work light LED mounted to telescopic arm
  - only in association with:
    - Lighting package LED (8 work lights - 4 x front, 2 x rear, 2 x side) - No standard working lights
- Air-sprung operator's seat with lumbar support (MSG95AL/722)
- Air-sprung operator's seat with lumbar support and heated seat (MSG95AL/722)
- Electrically adjustable, heated, exterior mirror with automatic cut-off
- Cabin, including rear window heating (standard)
- Carbon filter
- Mobile phone holder
- Control panel holder on B-pillar
- Document box
- Auxiliary heating, including engine pre-heater, programmable

Drive system & steering

- Ecospeed PRO 40 km/h incl. Smart Driving (throttled to 30 km/h or 20 km/h ex works possible)
  - only in association with
    - Load stabilizer (vibration damper)
    - License plate illumination, including license plate bracket in front
    - Engine Deutz TCD 4.1 115kW/156 hp with diesel particulate filter / emission standard: Stage V
- Ecospeed PRO 40 km/h incl. Smart Driving (throttled to 20 km/h)
  - only in association with
    - Load stabilizer (vibration damper)
    - License plate illumination, including license plate bracket in front
    - Engine Deutz TCD 4.1 115kW/156 hp with diesel particulate filter / emission standard: Stage V
- Ecospeed PRO 40 km/h incl. Smart Driving (throttled to 30 km/h)
  - only in association with
    - Load stabilizer (vibration damper)
    - License plate illumination, including license plate bracket in front
    - Engine Deutz TCD 4.1 115kW/156 hp with diesel particulate filter / emission standard: Stage V
- Low-speed device and hand throttle
- Accelerator pedal mode
  - only in association with
    - Low-speed device and hand throttle

Equipment for road traffic

- License plate illumination, including license plate bracket in front
- Data confirmation (ABE) for self-propelled working machine (standard) *
- EC certificate of conformity tractor (167/2013/EC - class T1)
  - only in association with
    - License plate illumination, including license plate bracket in front
    - Outlet for rear attachments, 7-pole
    - In addition, a ball hitch (not a maneuvering hitch) must be selected

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

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Ball hitches & Brake systems

Recommended: EC Certificate of Conformity for tractors (167/2013/EC – Class T1)
In conjunction with an attachment coupling, a rear outlet must always be selected

- Automatic attachment coupling 38 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
- Mechanical attachment coupling insert for trailer mount height-adjustable – 32 mm
- Ball hitch insert (K80) for trailer mount height-adjustable
- Piton Fix insert for trailer mount height-adjustable
- CUNA D3 insert for trailer mount height-adjustable
- K50 ball hitch insert for trailer mount height-adjustable
- Auto Hitch attachment coupling (incl. hydr. control) and tipper connection
  - not with:
    - Protection package Industry
- Auto Hitch attachment coupling (incl. hydr. control) and double-acting hydraulic connection at the rear, including tipper connection
  - not with:
    - Protection package Industry
- Dual-line air brake system
  - not with:
    - Hydrostatic 20 km/h incl. Smart Driving
- Hydraulic trailer brake valve
  - not with:
    - Hydrostatic 20 km/h incl. Smart Driving

Engine

- Engine Deutz TCD 4.1 115kW/156 hp with diesel particulate filter / emission standard: Stage V
- Engine pre-heating, fuel, hydraulic oil (230 V)

Quick change plates & Loading system

- Load stabilizer (vibration damper)
- Hydraulic quick coupler system, Kramer System HV/TH - L

Hydraulics - General

- Gear pump with increased discharge volume 180 l/min
  - only in combination with:
    - Motor Deutz TCD 4.1 115kW/156 hp with diesel particulate filter / emission standard: Stage V
- Filling of the hydraulic system with environmentally friendly and biodegradable hydraulic oil

Hydraulics - front area

- Powerflow 150 l/min
  - only in association with
    - Unpressurized return line, front, including overflow oil line
- Powerflow 180 l/min including hydraulic pump with increased flow rate 180 l/min
  - only in association with
    - Engine Deutz TCD 4.1 115kW/156 hp with diesel particulate filter / emission standard: Stage V
    - Unpressurized return line, front, including overflow oil line
- Hydraulically activated control circuit in front (electronic switch-over)
- Unpressurized return line, front, including overflow oil line
- Vibrating function tilt cylinder

Hydraulics - rear area

- Tipper connection
  - not with:
    - 2 double-acting connections at the rear
- Pressureless return line, rear
  - only in association with
    - 1 double-acting hydraulic connection rear, including tipper connection
- 2 double-acting connections at the rear
  - not with:
    - Tipper connection
    - 1 double-acting hydraulic connection rear, including tipper connection
    - Auto Hitch ball hitch (incl. hydr. control) and double-acting rear hydraulic connection including tipper connection
    - Auto Hitch ball hitch (incl. hydr. control) and tipper connection
- 1 double-acting hydraulic connection rear, including tipper connection
  - not with:
    - 2 double-acting connections at the rear

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Electrical system

- Outlet for rear attachments, 7-pole
- Outlet for front add-on equipment, 7-pole (2 switch positions)
- Drive signal outlet, 7-pin

Safety options

- Reverse alarm (acoustic)
- Immobilizer system, integrated in the ignition switch key
- Red/white warning stripes (in accordance with DIN 30710)
- EquipCare Dual ID (on request)
- Triangular marking plate
- Wrap protection for universal joint shaft
  - not with:
    - Powerflow 150 l/min
    - Powerflow 180 l/min including gear pump with increased discharge volume 180 l/min
- Protective measures against corrosive agents (salt and fertilizer)
- Fire extinguisher 2 kg
- Protection package Industry
  - includes:
    - Wrap protection for universal joint shaft
    - Protective guard for front windshield, removable (not approved for public road use)
    - Rear protective guards
    - Main front headlight protective guard
  - Protective guard for front windshield, removable (not approved for public road use)

Other

- Single-color RAL custom paint finish (gray parts not included)*
- (Fully automatic) central lubrication unit
- Re-configured central lubrication system (lubrication line positioned in the arm)
- Telescopic arm bonded coating
- Central lubrication system (corrosive agents)

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

Tires

- Michelin 500/70R24 XMCL – traction profile
- Alliance 600/55-26.5 331 (restricted steering angle: 35°) – traction profile
  - 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
    - Ball hitch
- Michelin 500/70R24 Bibload – multi-purpose profile
- Nokian 540/70R24 TRI – municipal profile
- Michelin 540/70R24 XMCL – traction profile
- Michelin 540/70R24 Bibload – multi-purpose profile
- Firestone 500/70 R24 164 A8 Duraforce UT
- Trelleborg 500/70R24 TH500 ET+40
- Trelleborg 500/70R24 TH400 ET+50

Extended warranties

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

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