



1445

Telehandler

The compact genius among telehandlers.

The power ratings of the 1445 are impressive despite its small dimensions. The stacking payload on the pallet fork is 1,450 kg, the lift height is 4.3 m. Even when handling heavy goods there is sufficient reserve to work with a great transmission range. The efficient machines impress with their dynamic all-wheel drive, high payload, unbeatable manoeuvrability and low weight.

Wide range of options: The Powerflow working hydraulics ensure fast work cycles, the air conditioning provides the necessary comfort and the three steering modes provide agility when driving.

LED work lights: The headlights provide optimal visibility for drivers at the front and rear, as well as on the telescopic arm.

Comfortable cab: A modern design and optimized visibility, as well as ergonomically placed controls and low vibration.

High maneuverability: Thanks to its ultra-compact dimensions, the 1445 copes perfectly with confined spaces.

Safety: The electric parking brake with hill-hold function provides more comfort and safety.

Technical Data

Standard engine data

Engine manufacturer	Yanmar
Drive output	18.4 kW
Drive output	25 PS
at max. rpm	2,600 U/min
Cylinder capacity	1,226 cm ³
Exhaust standard level	V
Exhaust aftertreatment	DOC

Weights

Bucket capacity (standard bucket)	0.68 m ³
Payload (max.)	1,450 kg
Payload at max. reach	725 kg
Payload at max. stacking height	1,450 kg
Stacking height (max.)	4,301 mm
Payload max. (LSP 500 mm)	1,450 kg
Operating weight	3,050 - 3,350 kg
Thrust force (max.)	16.4 kN

Lift capacity (max.)	17.7 kN
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Filling levels

Tank capacity for fuel	33 l
Tank capacity for hydraulic oil	60 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.)	36,4 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	99.5 dB(A)
Sound pressure level at the operator's ear	84 dB(A)

Dimensions



A1	Total length	3,092 mm
A2	Total length with bucket	4,215 mm
B1	Total width without bucket	1,564 mm
C1	rear	1,245 mm
D1	Total height	1,995 mm
E1	Cab width	702 mm
F1	Wheel base center	1,922 mm
G1	Ground clearance under axle and transmission, wading depth	294 mm
H1	Distance center rear wheel to rear	498 mm
J1	Dumping angle	38 °
K1	Max. stacking height	4,190 mm
J2	Dumping angle	36 °
L1	Load-over height retracted	3,010 mm
L2	Load-over height extended	4,224 mm
M1	Dumping height retracted	2,272 mm
M2	Dumping height extended	3,486 mm
N1	Dumping width extended	669 mm
Q1	Distance center front wheel to bucket leading edge	1,699 mm
Q2	Distance center front wheel bearing quick change frame	450 mm
R2	Bucket pivot point extended	4,537 mm
S1	Turning radius outer edge wheels	2,695 mm
S2	Turning radius outer edge bucket	3,660 mm
T1	Entry height cab floor	405 mm

Standard components

Cab

- FOPS tested, sound proofed, vibration-damped comfort cabin with 360 degree all-round visibility
- Work lights 2x LED Basic on front (1000 lm), work light 1x LED Basic on rear (1000 lm)
- Roof windscreen wipers, rear windscreen wipers
- Mechanically suspended driver's seat with faux leather cover (SC47)
- Multi-functional joystick with travel direction selection switch and with telescopic function
- Color-coded switches for hydraulic, electric, driving, and safety features
- 3rd control circuit on a separate lever
- Operating hour meter
- Fuel display
- Lighting according to road traffic regulations (front halogen, rear LED)
- 3-pole outlet, 12 V
- Cab heating

Engine

- Manual battery isolation switch - minus-separating
- Wide-opening engine hood, sight glass for hydraulic oil and cooling water

Steering and work hydraulics

- 3. control circuit, front
- Overload and operator assistance system "Smart Handling" (bucket and stack mode)

Drive system and axles

- Continuously variable, hydrostatic axial piston drive
- Brake inching pedal
- Planetary steering axles

Documentation

- Operator's Manual
- TÜV certificate for obtaining an EBE1

Options

Operator's cab & Cabine

- Protective grille, front windshield, demountable (not approved for public road traffic)
- Air-suspended operator's seat with synthetic leather upholstery (MSG75/521)
- Air-suspended operator's seat with fabric cover (MSG75/521)
- Air-suspended operator's seat with fabric upholstery and heated seats (MSG75/521)
- Air-conditioning system
 - only in conjunction with
 - Yanmar 33.3 kW / 45 hp - emission gas stage EU stage V
- Radio-ready (antenna, speaker)
- Bluetooth radio (radio, antenna, speaker)
- USB outlet 2-fold
- Steering column adjustable (height and tilt)

Lighting

- 1 worklight telescopic arm LED 1000Lm
- Rotating beacon LED (yellow)

Approval, road traffic

- Single operating permit <25km/h incl. StVZO (standard) *
- Single operating permit >25km/h incl. StVZO
- License bracket front and rear

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

Drive system and axles

- Yanmar 33.3 kW / 45 hp – exhaust emission EU Stage V
- Manual throttle
 - not with:
 - 3rd mechanical control circuit
 - 3rd mechanical control circuit with continuous function
- Hydraulic oil and engine pre-heating (230 V)
- Reversible fans
 - only in combination with:
 - Yanmar 33.3 kW / 45 hp – exhaust emission EU Stage V
- 100 % differential lock
- Driving mode Auto/ Eco mode (standard)
- Driving mode Auto/Eco/Attachments
 - only in combination with:
 - Manual throttle
 - Low-speed device, proportional speed limiter
 - 3rd control circuit, electrically operated, proportional, continuous function
- Low-speed device, proportional speed limiter
 - only in combination with:
 - Manual throttle
- Hydrostatic 30 km/h
 - only in combination with:
 - Yanmar 33.3 kW / 45 hp – exhaust emission EU Stage V
 - License plate bracket, front and rear
- Three steering types (all-wheel steering, front wheel steering, crab steering)

Tires

- Mitas 31x15.5-15 ET0 - traction tread profile
- Starco AS-Dump. 400/50-15 ET0 – traction tread profile
- Starco AS-Dump. 255/75-15.3 ET-40 – traction tread profile
- Michelin BibSteel 260/70R16.5 ET-60 - construction machinery tread profile
- Continental MPT81 315/55R16 ET-30 - multi-purpose tread profile
- Starco Turf Tech 400/50-15 ET0 - turf tread profile
- Kenda PowerGrip 270/65-16.5 ET-40 - construction machinery tread profile
- Kenda RockGr 270/65-16.5 ET-40 - industrial tread profile

Quick change plates

- Mechanical quick coupler, Kramer MV/TH - C (standard)
- Hydraulic quick coupler, Kramer HV/TH - C
- Hydraulic quick coupler, Weidemann HV/TH - C
- Hydraulic quick coupler, EURO system (ISO23206 (EURO) HV
- Hydraulic quick coupler, SMS system, SMS HV
- Hydraulic quick coupler, SkidSteer, SAEJ2513 (SSL) HV

Hydraulics

- 3rd mechanical control circuit (standard)
- 3rd mechanical control circuit with continuous function
- 3rd control circuit, electrically operated, proportional, continuous function
- Power hydraulics Powerflow 70 l/min single-acting
 - only in combination with:
 - Yanmar 33.3 kW / 45 hp – exhaust emission EU Stage V
- Unpressurized return line, not telescoping, including leak oil line (flatface)
- 2-way multi-coupler
- 4-way multi-coupler
- Front hydraulic control circuit (electric changeover)
- Pressure release of 3rd control circuit
 - not with:
 - 3rd mechanical control circuit (standard)
 - 3rd mechanical control circuit with continuous function
- Rear hydraulic control circuit, double-acting
 - not with:
 - Rear hydraulic control circuit, double-acting (electronic changeover)
- Rear hydraulic control circuit, double-acting (electronic changeover)
 - not with:
 - Rear hydraulic control circuit, double-acting
- Filling of the hydraulic system with environmentally friendly and biodegradable hydraulic oil

Electrical system

- Rear plug outlet, 3-pole (2x electric functions E3/E4, switchable to front outlet) (standard)
 - Only in conjunction with:
 - Front outlet 13-pole / Operation: Via switch; 1st Latching function, 2nd Latching function
- Front outlet 13-pole for double function (1. touching, 2. latching)
- Front outlet 13-pole for double function (1. latching, 2. touching)
- Front outlet 13-pole for double function (1. touching, 2. touching)
- Front outlet 13-pole for double function (1. latching, 2. latching)
- Rear outlet 3-pole, two functions
- Outlet for rear attachments, 7-pole (standard)
- Battery disconnect switch, positive disconnect

Safety options

- Immobilizer system, integrated in the ignition switch key
- Access Control (keypad)

Other

- Special painting in one color according to RAL (gray parts are not included) *
- Towing hitch
- Automatic ball hitch 38 mm - fixed to frame
- Ball head towing hitch (K50) - fixed to frame
- Toolbox (including tool set and hand lever grease press)
- Combination case (first aid kit, warning triangle, reflective vest)
- Central lubrication system

*We reserve the right to reject paint jobs which show similarities to protected colors or color combinations from other manufacturers.

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)
- 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)