



KT144

Telehandler

The powerful compact genius

The power rating of the KT144 is impressive despite its small dimensions. The stacking payload on the pallet fork is 1,450 kg, the lift height 4.3m. Even when handling heavy loads (e.g. silage bales), there is thus sufficient reserve to work with a big reach. This efficient machine impresses with its dynamic drive system, high payload, unbeatable maneuverability and low weight.

Two engine variants: In series a Yanmar engine with 19 kW or 25 hp. Optionally the more powerful engine with 33 kW or 45 hp

3rd Control circuit in series: Perfect for operating implements with additional hydraulic functions, such as a silage bucket

Powerful working hydraulics: The output is a maximum of 42 liters per minute, depending on the motorization, which enables fast loading cycles

Strong performance: Powerflow hydraulics with a maximum of 70 liters per minute enables operation of demanding attachments

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 L _{WA} (cabin)	101 dB(A)
Measured sound power level L _{WA}	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
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 °
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
D1	Total height	1,995 mm
K1	Max. stacking height	4,190 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-function joystick with travel direction switch and telescoping function
- Color-coded switches for hydraulic, electric, driving , and safety features
- 3rd control circuit on a separate lever
- Operating hour meter
- Fuel display
- StVZO-lighting
- 3-pole outlet, 12 V
- Cab heating

Steering and work hydraulics

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

Engine

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

Drive system and axles

- Continuously variable, hydrostatic axial piston drive
- Driving mode Auto / Eco Mode
- Brake inching pedal
- Planetary steering axles

Documentation

- Operator's Manual
- TÜV certificate for obtaining an EBE*.

*only in Germany, Austria, Switzerland, Netherlands, Czech Republic, Slovakia

Options

Operator's cab & Cabine

- Protective grille front windshield, removable (not approved for public road traffic!)
- Air-suspended operator's seat with synthetic leather upholstery (MSG75/521)
- Air-suspended operator's seat with fabric upholstery (MSG75/521)
- Air-suspended operator's seat with fabric upholstery and seat heating (MSG75/521)
- Air-conditioning system
 - only in conjunction with
 - Yanmar 33.3 kW / 45 hp - EU Stage V emission level
- Radio-ready (antenna, speaker)
- Bluetooth radio (radio DAB+ , antenna, speaker)
- USB socket 2-fold
- Steering column, adjustable (height and inclination)

Lighting

- Work lights 1x LED basic (1000 lumen) on the boom (external pipe)
- Rotating LED beacon (yellow)

Approval, road traffic

- Individual operating permit <25km/h incl. StVZO (standard)*
- Individual 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 18.4 kW / 25 hp – exhaust emission EU Stage V (standard)
- 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 / 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
- All-wheel steering
- Three steering types (all-wheel steering, front wheel steering, crab steering)

Loading system & Quick change plates

- Hydraulic quickhitch facility, Kramer HV/TH - C
- Hydraulic quickhitch facility, Weidemann HV/TH - C
- Hydraulic quickhitch facility, EURO system, ISO23206 (EURO) HV (incl. two couplers SVK size 3)
- Hydraulic quickhitch facility, system SMS, SMS HV
- Hydraulic quickhitch facility, SkidSteer, SAEJ2513 (SSL) HV

Hydraulics

- 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
 - 3rd mechanical control circuit with continuous function
- Rear hydraulic control circuit, double-acting
 - not with:
 - Rear hydraulic control circuit, double-acting (electric changeover)
- Rear hydraulic control circuit, double-acting (electric changeover)
 - not with:
 - Rear hydraulic control circuit, double-acting
- Filling of the hydraulic system with environmentally friendly and biodegradable hydraulic oil

Electrical system

- Front 13-pin socket for dual function (1. touching, 2. latching)
- Front socket 13-pin for double function (1. latching, 2. touching)
- Front socket 13-pin for double function (1. touching, 2. touching)
- Front socket 13-pin for double function (1. latching, 2. latching)
- Rear socket 3-pole, two functions
- Battery disconnect switch, positive disconnect

Safety options

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

The illustrations, equipment and data shown may deviate from the current delivery program of your country. Optional equipment subject to additional charge may be shown. Subject to changes.

Other

- Special painting in one color according to RAL (gray parts are not included)*
- Towing hitch
- Automatic trailer hitch 38 mm - fixed to frame
 - recommended with:
 - Outlet for rear attachments, 7-pole
- Ball head trailer hitch (K50) - fixed to frame
 - recommended with:
 - Outlet for rear attachments, 7-pole
- 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 paintwork which has similarities to protected colors or color combinations from other manufacturers

Tires

- Mitas 31x15.5-15 ET0 traction profile
- Starco AS-Dump. 400/50-15 ET0 – traction 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 profile

Extended warranties

- Security 24 (2000 h)
- Security 36 (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)