



TEREX®

TC14-2

MINI EXCAVATOR



The machine shown may include optional equipment.

Specifications

| | |
|------------------|-------------------|
| Operating weight | 1500 kg |
| Engine power | 10.4 kW (14.1 HP) |
| Bucket capacity | 21 – 91 l |
| Digging depth | 2.26 m |
| Reach | 3.76 m |

Features

- ▶ Extra-wide blade for dozer applications
- ▶ Top-mounted boom cylinders for perfect protection of cylinders and larger range of application
- ▶ Canopy with excellent visibility (cab as option)
- ▶ Knickmatik® allows for working closely along walls
- ▶ Wide range of proven working tools

WORKS FOR YOU.™

SPECIFICATIONS

ENGINE

| | |
|---|---------------------------|
| Manufacturer, model | Kubota, D722 Tier 4 final |
| Type | 3-cylinder diesel engine |
| Bore x stroke | 67 x 68 mm |
| Displacement | 719 cm ³ |
| Power rating acc. to ISO 14396 @ 2500 rpm | 10.4 kW (14.1 HP) |
| Torque max. @ 2000 rpm | 43.5 Nm |
| Air filter with safety cartridge and maintenance switch | |
| Cold-starting aid | Glow plugs |

ELECTRICAL SYSTEM

| | |
|------------------|---|
| Nominal voltage | 12 V |
| Battery | 12 V / 44 Ah |
| Generator | 12 V / 40 A |
| Starter | 1.4 kW |
| Lighting system: | 1 work light front left on the cab / canopy (auxiliary headlamps optional) |

TRANSMISSION

| | |
|---|-------------|
| Single-stage hydrostatic travel drive with axial piston motor and reduction gear, fully enclosed. "Straight-Travel" function. Travel brake valves for downhill travel | |
| Travel speed, forward and reverse | 0 – 1.8 kph |

UNDERCARRIAGE

| | |
|--|---------------|
| Torsion-proof welded design. Mechanically retractable/extendable undercarriage provided as standard. Maintenance-free crawler-type undercarriage. Idler suspension with hydraulic crawler-chain tensioning. Sliding plate at the top | |
| Range of adjustment, outside edge of crawler chains | 990 – 1340 mm |
| Width rubber tracks (short pitch) | 230 mm |
| Total length (undercarriage) | 1490 mm |
| Number of rollers per side | 3 |
| Track width | 760 – 1110 mm |
| Gradeability | max. 60% |
| Drawbar pull | 1300 daN |

DOZER BLADE

| | |
|---|---------------|
| Independent of drive train, sensitive control via separate hand lever | |
| Width x height | 1340 x 235 mm |
| Dozer cut below ground | 160 mm |
| Dozer lift above ground | 200 mm |
| Slope angle | 25° |

STEERING

| | |
|---|--|
| Independent individual control of crawler chains, also counterwise. Sensitive actuation via manual levers, combined with pedals, foot rest on pedal console | |
|---|--|

SWING SYSTEM

| | |
|------------------------------|-----------|
| Internally toothed ring gear | |
| Swing speed | 0 – 9 rpm |

SWING BRAKE

| | |
|---|--|
| Hydrostatic drive, also acts as wear-resistant brake. Additional spring-loaded multi-disc brake. Considered as transport security | |
|---|--|



FLUID CAPACITIES

| | |
|------------------------------------|------|
| Fuel tank | 27 l |
| Hydraulic system (incl. tank 21 l) | 26 l |

KNICKMATIK®

| | |
|---|--------------|
| Lateral parallel adjustment of boom arrangement at full dig depth | |
| Angle of articulation / lateral adjustment left | 59° / 411 mm |
| Angle of articulation / lateral adjustment right | 60° / 503 mm |

OPERATING DATA, STANDARD EQUIPMENT

| | |
|--|--------------------------|
| Operating weight according to ISO 6016: Canopy with 400 mm bucket, rubber tracks, additional control circuit, including driver, full fuel tank | 1500 kg |
| Operating weight according to ISO 6016: Cab with 400 mm bucket, rubber tracks, additional control circuit, including driver, full fuel tank | 1610 kg |
| Transport weight: Canopy, tank half full, w/out bucket | 1390 kg |
| Transport weight: Cab, tank half full, w/out bucket | 1500 kg |
| Total length (travel position) | 2621 mm |
| Total length (trailer transport position) | 3653 mm |
| Total height (top of canopy / cab) | 2273 mm / 2291 mm |
| Total height (travel position) | 2315 mm |
| Total width (undercarriage) | 990 – 1340 mm |
| Total width of uppercarriage | 980 mm |
| Uppercarriage tail swing | 1090 mm |
| Uppercarriage front swing | 1295 mm |
| Working envelope, bucket heaped (also with 600 mm bucket): | |
| 180° | 2388 mm |
| 360° | 2596 mm |
| Swing clearance | 443 mm |
| Reach max. | 3760 mm |
| Digging depth max.* | 2257 mm |
| Loading height approx. * | 2276 mm |
| Highest reachable height* | 3339 mm |
| Bucket rotation angle | 187° |
| Bucket digging force acc. to ISO 6015 | 16,590 N |
| Stick digging force acc. to ISO 6015 | 9750 N |
| Specific ground pressure: | |
| Excavator cpl. ** | 0.26 daN/cm ² |

* Dimensions apply to machine standing on level ground, but can be increased by tilting the machine using the blade

** Value with canopy

HYDRAULIC SYSTEM

| | |
|---|----------|
| Pump capacity, max. | 21 l/min |
| Working pressure | 220 bar |
| Gear pump | |
| LS-control and load independent flow distribution (LIFD) for all working movements and travel drive | |
| Simultaneous independent control of all functions | |
| All excavator movements servo-controlled, ISO | |
| All functions are proportionally controllable | |
| Hydraulic oil cooler | |
| Full flow filtration through return filter | |
| Cylinders for boom, dipper arm and articulation with end position damping at both ends | |
| Bucket retract function with end-position damping | |
| Safety shutdown activated by exit barrier | |
| Additional control circuit available as option, control via foot pedal | |
| Additional control circuit with bypass for pressure-reduced return quantity | |
| Hydraulic power to the couplings: | |
| Pump capacity | 21 l/min |
| Max. working pressure | 220 bar |

CANOPY (STANDARD)

| |
|--|
| Robust steel pipe construction. 4 support members for the best all-round visibility |
| 1 working floodlight front left |
| FOPS (acc. to ISO 3449), ROPS and TOPS (acc. to ISO 12117) certified |
| Operator's seat (standard version), imitation leather: Longitudinal and back tilt adjustment Continuous weight adjustment as per operators weight Safety belt |
| Armrests height adjustable without tools |
| Large lockable storage compartment under the operator's seat |
| Storage pocket behind the operator's seat |
| Display, fuel gauge, hour meter and warning lights |
| Yellow beacon, immobilizer (anti-theft device), working floodlights prepared for optional installation |
| Easy and quick change of canopy to cab and vice-versa (< 1 hour) |

CAB

| |
|--|
| Spacious, sound-insulated full-vision steel cab, FOPS*** (acc. to ISO 3449), ROPS and TOPS (acc. to ISO 12117) certified |
| Very good all-round visibility, lean vertical support members |
| Safety glass |
| Front window supported by pneumatic springs, slidable under cab roof |
| Fixed window part without frame which obstructs the forward view |
| Door with large access on left hand side |
| Foldable console on left hand side for large entry access |
| Right door as emergency exit |
| Matching locks of hood, ignition and tank cap |
| Central connector for electrical cable |
| Wiper washer with wiper for windscreen |
| Interior light, coat hook |
| Operator's seat (standard version), imitation leather: Longitudinal and back tilt adjustment Continuous weight adjustment as per operators weight Safety belt |
| Armrests height adjustable without tools |
| Cables for radio installation kit |
| Preparation for antenna |

| | |
|---|-------|
| Large storage compartment under the operator's seat | |
| Heating (water) with 2-speed fan and 4 adjustable exhaust nozzles | |
| Temperature controller in cab | |
| Storage pocket behind the operator's seat | |
| Storage compartment for mobile phone (near 12V outlet) | |
| 1 left-hand outside rear-view mirror, foldable in front of windshield | |
| 1 working floodlight front left as standard | |
| Display, fuel gauge, hour meter and warning lights | |
| Fuse box easily accessible from outside of the cab | |
| Very good ergonomics | |
| Ergonomically arranged dozer blade lever | |
| Yellow beacon, radio, immobilizer (anti-theft device), working floodlights prepared for optional installation | |
| Additional weight of cab | 80 kg |
| *** FOPS-approved only with skylight guard (optional) | |

CRANE TRANSPORT

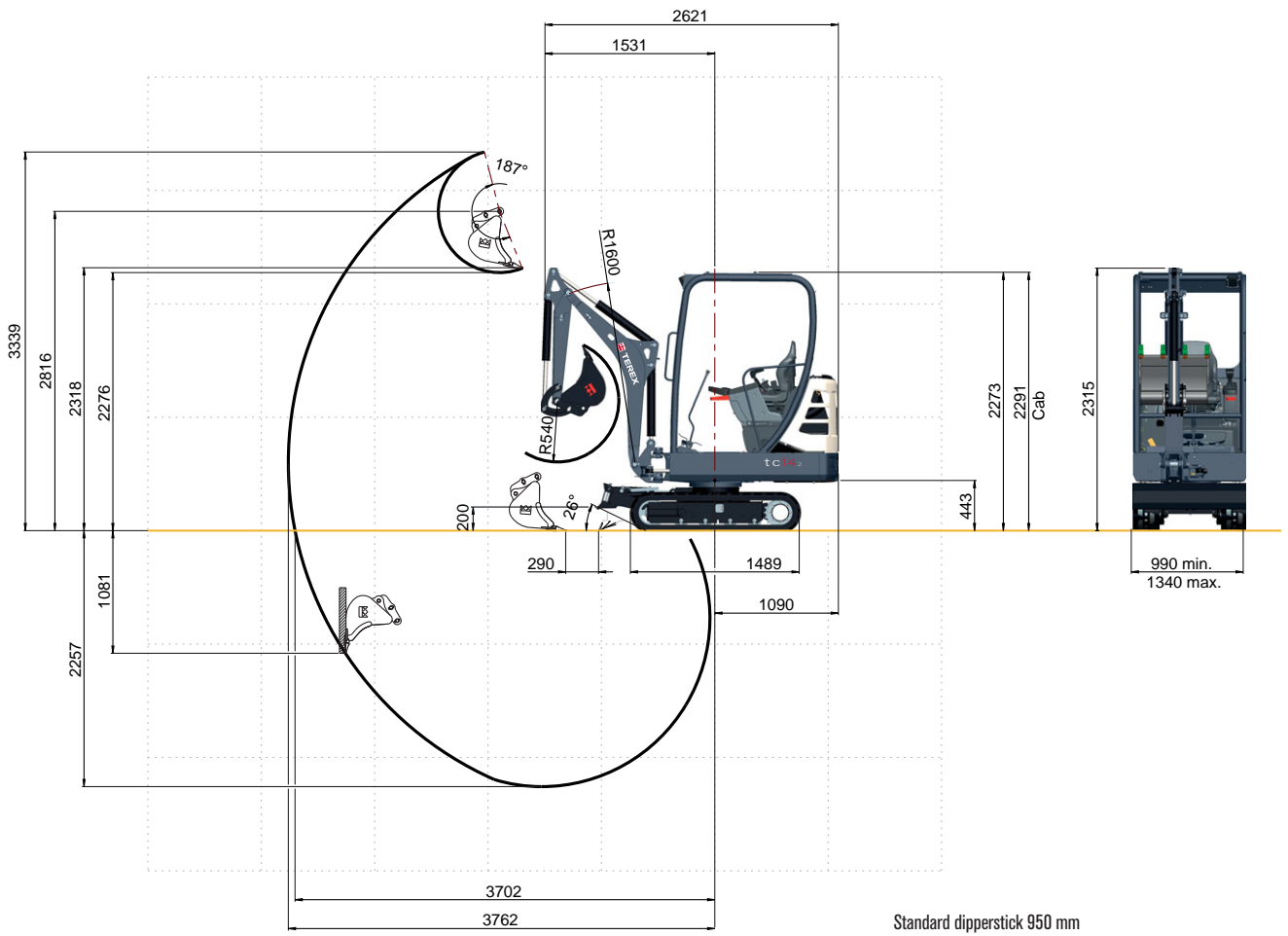
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|---------------------------------------|
| Crane lifting beam for cab and canopy |
|---------------------------------------|

SOUND LEVEL VALUES

| | |
|---|----------------|
| Noise emission ambience L_{WA} cab / canopy | 93 / 93 dB (A) |
| Noise emission cab L_{PA} cab / canopy | 80 / 80 dB (A) |
| Sound level values measured in compliance with Directive 2000/14/EC and EN474 | |

VIBRATION VALUES

| | |
|--|--------------------------------|
| Effective values of acceleration for whole body | less than 0.5 m/s ² |
| Effective values of acceleration for hand-arm | less than 2.5 m/s ² |
| Vibration values in compliance with Directive 2006/42/EC and EN474 | |



DIMENSIONS

Fig. 1, 2:
Excavation within the entire width of the machine

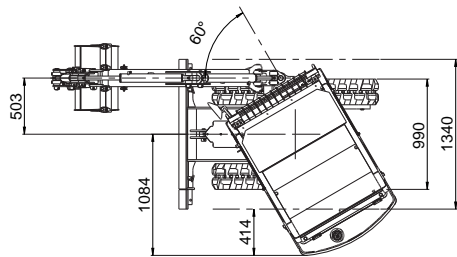


Fig. 3:
Transport position - trailer transport

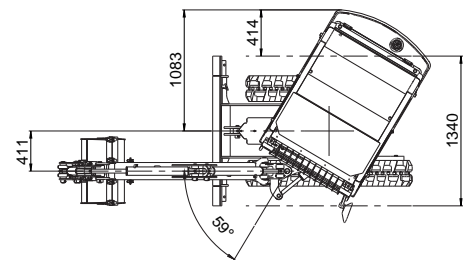
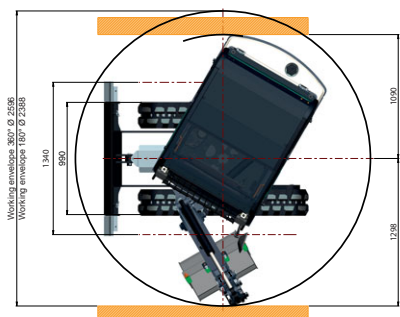
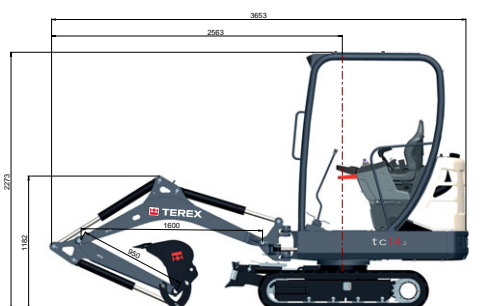
























Fig. 4:
Working envelope



LIFTING CAPACITIES

| Bucket hinge height Dipperstick 950 mm | | Load radius from center of ring gear | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.5 m | | | | 2.0 m | | | | 2.5 m | | | | 3.0 m | | | | 3.25 m | | | |
| | | UR | UE | UR | UE | UR | UE | UR | UE | UR | UE | UR | UE | UR | UE | UR | UE | UR | UE | UR | UE |
| | |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | | | | | |
| 2.0 m |  | - | - | - | - | 0.57 | 0.57 | 0.45 | 0.45 | 0.36 | 0.36 | 0.26 | 0.36 | 0.33 | 0.33 | 0.21 | 0.29 | - | - | - | - |
| |  | - | - | - | - | 0.44 | 0.44 | 0.44 | 0.44 | 0.33 | 0.33 | 0.26 | 0.36 | 0.20 | 0.20 | 0.20 | 0.29 | - | - | - | - |
| 1.0 m |  | 0.80 | 0.80 | 0.50 | 0.86 | 0.53 | 0.53 | 0.35 | 0.77 | 0.43 | 0.43 | 0.24 | 0.36 | 0.35 | 0.35 | 0.18 | 0.27 | 0.32 | 0.32 | 0.17 | 0.24 |
| |  | 0.76 | 0.76 | 0.48 | 0.86 | 0.50 | 0.50 | 0.34 | 0.77 | 0.30 | 0.30 | 0.24 | 0.35 | 0.23 | 0.23 | 0.18 | 0.26 | 0.21 | 0.21 | 0.16 | 0.23 |
| 0.0 m |  | 0.90 | 0.90 | 0.47 | 0.64 | 0.62 | 0.62 | 0.30 | 0.45 | 0.44 | 0.44 | 0.23 | 0.34 | 0.32 | 0.32 | 0.18 | 0.26 | 0.28 | 0.28 | 0.17 | 0.29 |
| |  | 0.57 | 0.57 | 0.44 | 0.64 | 0.39 | 0.45 | 0.30 | 0.44 | 0.29 | 0.29 | 0.22 | 0.33 | 0.22 | 0.22 | 0.17 | 0.26 | 0.21 | 0.21 | 0.16 | 0.23 |
| -0.75 m |  | 0.68 | 0.68 | 0.41 | 0.79 | 0.50 | 0.50 | 0.29 | 0.51 | 0.35 | 0.35 | 0.22 | 0.37 | 0.26 | 0.23 | 0.18 | 0.23 | - | - | - | - |
| |  | 0.56 | 0.56 | 0.39 | 0.77 | 0.38 | 0.39 | 0.29 | 0.51 | 0.28 | 0.28 | 0.21 | 0.37 | 0.26 | 0.23 | 0.17 | 0.23 | - | - | - | - |

All values in tons (t) were determined acc. to ISO 10567 and include a stability factor of 1.33 or 87% of the hydraulic lifting capacity. All values were determined with quick-attach system but without bucket. In case of mounted-on work attachments, the deadweights of the work attachments must be deducted from the permissible operating loads

Working equipment: Rubber tracks

Abbreviations: UR = Undercarriage retracted, UE = Undercarriage extended

WORK ATTACHMENTS

BUCKETS

| | |
|----------------------------|------------------------------------|
| Bucket, QAS | 250 mm wide, capacity 21 l, 27 kg |
| Bucket, QAS | 300 mm wide, capacity 26 l, 30 kg |
| Bucket, QAS | 400 mm wide, capacity 37 l, 35 kg |
| Bucket, QAS | 500 mm wide, capacity 48 l, 41 kg |
| Bucket, QAS | 600 mm wide, capacity 59 l, 46 kg |
| Ditch-cleaning bucket, QAS | 1000 mm wide, capacity 91 l, 79 kg |
| Swing bucket, QAS | 1000 mm wide, capacity 49 l, 79 kg |

GRABS

| | |
|--|--|
| Clamshell grab GL 1250, grab swing brake | set of shells 250 mm wide, capacity 45 l |
| Ejector | |

OTHER WORK ATTACHMENTS

| | |
|----------------------------------|---|
| Hydraulic hammer | Cutting unit |
| Augers | Quick-change adapter for hydraulic hammer |
| Bolt-on load hook for bucket rod | Further work attachments available on request |

OPTIONAL EQUIPMENT

CRAWLER CHAIN OPTIONS

Rubber tracks (long pitch), 230 mm wide

HYDRAULIC SYSTEM

Additional control circuit, control via foot pedal Biodegradable hydraulic oil / ester-based HLP 68 (Panolin)

CAB

Rain guard FOPS - skylight guard
Lighting package: Cab-mounted working flood- Radio set installation kit (speakers)
light front right and rear right, boom-mounted
working floodlight, yellow beacon
Fire extinguisher, ABC powder 2 kg

OTHER OPTIONAL EQUIPMENT

Mechanical quick-attach system Crane lifting gear
Quick-attach system, mechanical Special colour options
(genuine Lehnhoff system), type MS01
Further optional equipment available on request

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