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|-------------------------|------------------------|
| OPERATING WEIGHT | 5.65 t |
| ENGINE OUTPUT | 32.2 kW (44 HP) |
| BUCKET CAPACITY | 75-245 l |
| MAX. DIG DEPTH | 3.8 m |
| MAX. REACH | 6.4 m |



Crawler Excavator TC60

Technical data

| Engine | |
|--|---|
| Manufacturer, model | Mitsubishi, S4Q2-Y365KL |
| Type | 4-cylinder diesel engine, EPA/Tier 4 Interim (2008) |
| Combustion | 4-stroke, swirl chamber injection |
| Net power rating at 2,400 rpm (ISO 9249) | 32.2 kW (44 hp) |
| Displacement | 2,505 cm ³ |
| Max. torque | 138 Nm @ 1,600 rpm |
| Cooling system | Water |
| Electrical system | |
| Nominal voltage | 12 V |
| Battery | 12 V / 74 Ah |
| Generator | 12 V / 50 A |
| Starter | 12 V / 2.0 kW |
| Power Transmission | |
| Two-stage hydrostatic travel drive with axial piston variable displacement motor and reduction gear, fully enclosed. "Straight-Travel"-function standard. Brake valve for downhill drive. | |
| Travel speed, forward and reverse | 0-3.0 / 5.2 km/h |
| Max. gradeability | > 60 % |
| Undercarriage | |
| Maintenance-free crawler-type undercarriage. Idler suspension with hydraulic crawler-chain tension. | |
| Width rubber crawlers / steel crawlers | 400 mm |
| Tread width | 1,580 mm |
| Total length (sprocket - idler) | 2,060 mm |
| Total length (undercarriage) | 2,570 mm |
| Dozer blade | |
| Independent of drive train, sensitive control via hand lever. | |
| Width x height ("standard" / "extra-long") | 1,990 x 446 mm |
| Dozer cut below ground | 360 mm |
| Dozer lift above ground | 430 mm |
| Slope angle | 35° |
| Steering | |
| Independent, individual control of crawlers, also counterwise via 2-circuit hydraulic system. Sensitive control via hand levers combined with foot pedals. Pedal console serving as foot rest. | |
| Swing system | |
| Hydrostatic drive, also acts as wear-resistant brake. Additional spring-loaded multi-disc brake. Internally toothed ring gear. | |
| Swing speed | 0-9.5 min ⁻¹ |
| Knickmatik® | |
| Lateral parallel adjustment of boom arrangement at full digging depth. | |
| Angle of articulation / lateral adjustment left | 60° / 710 mm |
| Angle of articulation / lateral adjustment right | 60° / 850 mm |
| Fluid Capacities | |
| Fuel tank | 95 l |
| Hydraulic system (tank 72 l) | 108 l |

Operating data, standard equipment

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| Transport weight (incl. bucket) | 5,650 kg |
| Total length (trailer transport position) | max. 5,810 / min. 5,390 mm |
| Total width (Uppercarriage) | 1,780 mm |
| Total width (Undercarriage) | 1,980 mm |
| Uppercarriage tailswing | 1,050 mm |
| Uppercarriage frontswing | 2,050 mm |
| Working envelope 180° / 360° | 3,100 / 4,100 mm |
| Ground clearance | 360 mm |
| Bucket digging force (ISO 6015) | 40,000 N |
| Stick digging force (ISO 6015) | 28,200 N |
| Ground pressure (rubber crawlers) | 0.29 daN/cm ² |
| Ground pressure (steel crawlers) | 0.31 daN/cm ² |

Hydraulic system

Working hydraulics: Tandem-controlled dual piston variable displacement pump for all work movements and travel drive, 1 gear pump for swing and dozer blade operation, 1 pump for pilot pressure.

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| Max. working pressure | 245 bar |
| Max. pump capacity | 2 x 62.4 + 43.2 + 8.4 l/min |

Tank-immersed return filter with electric contamination indicator, full flow filtration. Hydraulic oil radiator provided as standard. Boom, dipperstick and articulated cylinders with end-positioning damping on both sides, bucket retract function with one-side end-position damping.

All functions can be activated proportionally. Two servo-assisted joystick controls for excavator operations. Shut-off of all functions when operator dismounts from machine. Additional control circuit electrically operated with preselection of flow rate and impulse/continuous operation.

Control circuit for work attachments (standard):

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| Max. working pressure | 210 bar |
| Max. variable pump capacity, pressure dependent | 62 l/min. |

Cab

Spacious, sound-insulated full-vision steel cab, FOPS** (acc. to ISO 3449) and TOPS (acc. to ISO 12117) certified. Door with large entry zone on left-hand side. Safety glass windows, thermo windows tinted in green. Skylight thermo window, bronze tinted. Panoramic rear window. Front window supported by pneumatic springs, lockable for ventilation and slidable under cab roof. Windshield washer system. Storage box. Radio pre-installation. Left-hand outside rear-view mirror.

Cab heating with windshield defroster through coolant heat exchanger and 3-speed fan, ventilating mode in summer.

Fabric-covered, hydraulically cushioned driver's comfort seat with armrests, height, tilt and weight adjustments. Lap seat belt.

Instrument panel on the right hand side of the operator's seat with visual & acoustic warning device, hour-meter and safety module.

Working flood lights Halogen H-3.

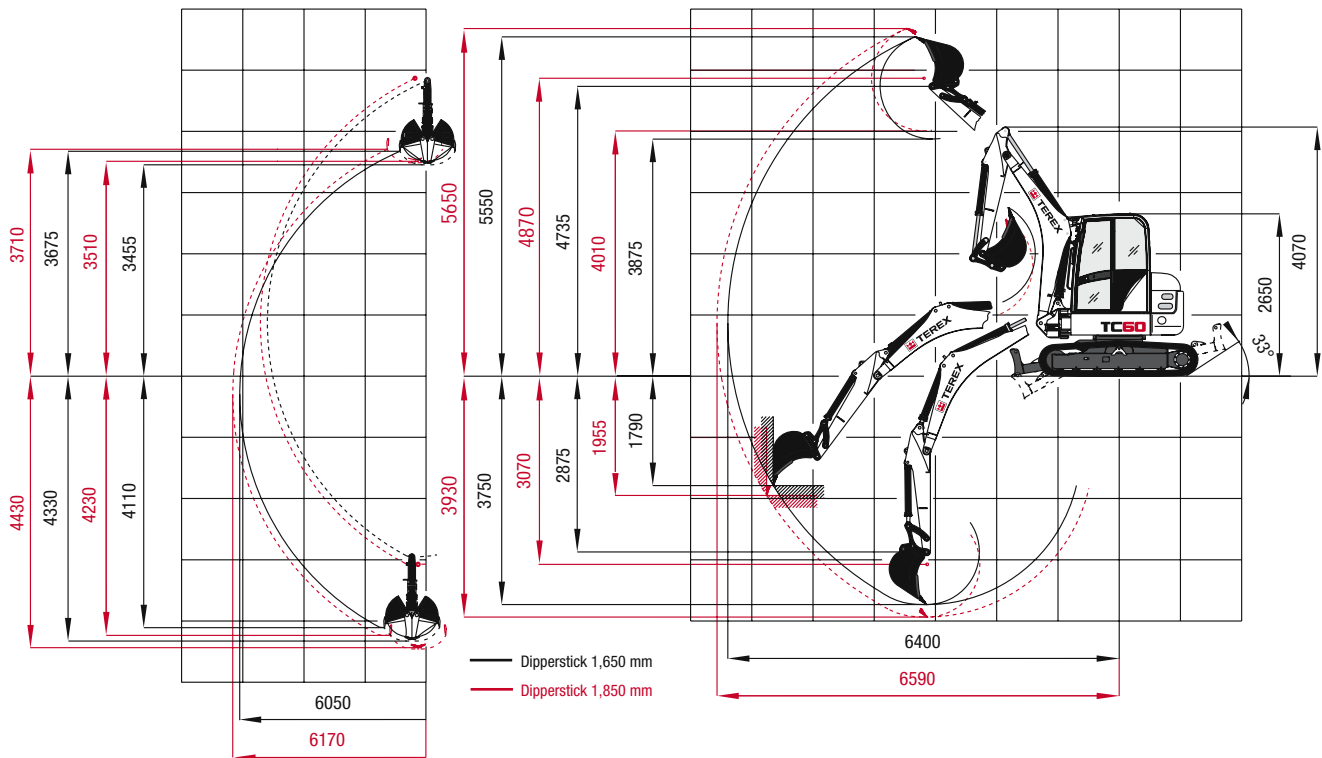
Sound level values in compliance with EC-directives.

*with dipperstick 1,850 mm (optional)

**FOPS-approved only with skylight guard (optional)

Crawler Excavator TC60

Working ranges: Monobloc boom



Lifting capacities

| Bucket hinge height Dipperstick 1,650 mm | | Load radius from center of ring gear | | | | | | | | | |
|---|---|--------------------------------------|------|-------|------|-------|------|-------|------|-------|------|
| | | 2.0 m | | 3.0 m | | 4.0 m | | 5.0 m | | 5.4 m | |
| | | End | Side | End | Side | End | Side | End | Side | End | Side |
| 3.0 m | S | - | - | - | - | 1.44 | 0.98 | - | - | - | - |
| | T | - | - | - | - | 1.13 | 0.91 | - | - | - | - |
| 1.5 m | S | 2.99 | 2.05 | 2.33 | 1.52 | 1.72 | 0.94 | 1.35 | 0.85 | 1.20 | 0.57 |
| | T | 2.26 | 1.92 | 1.80 | 1.41 | 1.13 | 0.89 | 0.78 | 0.61 | 0.68 | 0.53 |
| 0 m | S | - | - | 2.93 | 1.27 | 1.89 | 0.83 | 1.31 | 0.59 | 1.08 | 0.52 |
| | T | - | - | 1.88 | 1.20 | 1.07 | 0.79 | 0.86 | 0.55 | 0.76 | 0.48 |
| -0.7 m | S | 2.70 | 1.67 | 2.60 | 1.20 | 1.72 | 0.77 | 1.19 | 0.58 | 1.00 | 0.54 |
| | T | 1.65 | 1.53 | 1.58 | 1.15 | 1.03 | 0.76 | 0.74 | 0.56 | 0.65 | 0.51 |

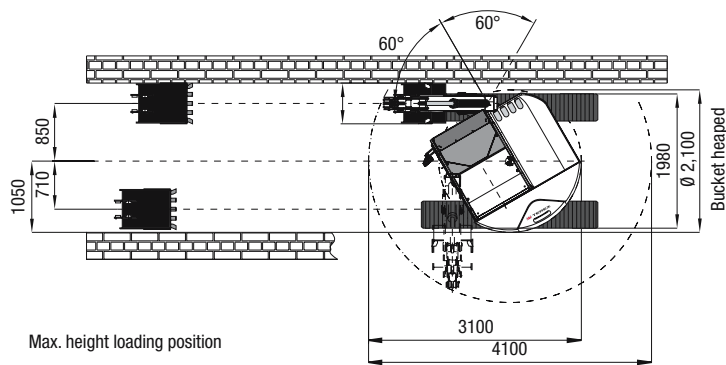
All values in tons (t) were determined acc. to ISO 10567 and include a stability factor of 1.33 or 87% of the hydraulic lifting capacity. All values were determined with quick-attach system but without bucket. In case of mounted-on work attachments, the deadweights of the work attachments must be deducted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

Working equipment: Rubber crawlers, monobloc boom, dipperstick 1,650 mm.

Abbreviations: S = Supported by blade, T = Traveling

Dimensions

Working equipment:
Monobloc boom with dipperstick 1,650 mm



Terex GmbH Schaeffstrasse 8
D-74595 Langenburg, Germany

PHONE +49 (0)7905 / 58-0 FAX +49 (0)7905 / 58114
EMAIL info@terex-schaeff.com WEB terex-schaeff.de

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