TEREX®

TC125

CRAWLER EXCAVATOR

Specifications

Operating weight	12.5 t
Engine power	74.9 kW (102 HP)
Bucket capacity	149-477 l
Dig depth	4.33 m
Reach	7.94 m

Features

- Short-tail machine
- Extra-wide blade for dozer applications
- Flexibility in daily work by task-specificadjustment of the boom systems
- Comfort cab with perfect all-round visibility
- Increased productivity thanks to load sensing hydraulics
- Knickmatik® allows for working closely alongside walls
- Wide range of proven working tools

WORKS FOR YOU.™

SPECIFICATIONS

ENGINE

Manufacturer, model	Deutz, TCD 2012 L04
Type	4-cylinder turbocharged diesel engine, Tier 3
Combustion	4-stroke cycle, direct fuel injection
Displacement	4040 cm^3
Net power rating at 2000 rpm (ISO 9249)	74.9 kW (102 HP)
Torque	400 Nm at 1600 rpm
Cooling system	Water

ELECTRICAL SYSTEM

Nominal voltage	12 V
Battery	12 V / 135 Ah
Generator	12 V / 55 A
Starter	12 V / 3.1 kW

TRANSMISSION

Hydrostatic travel drive with planetary reduction gears on sprocket drives. Multi-disc brake acting as parking brake, automatically bled. 2-stage variable displacement motor, full power shift.

2 speed ranges:

Travel speed, forward and reverse	0-2.7 / 5.4 kph
Gradeability	> 60 %
Drawbar pull 1st / 2nd speed range	8358 / 4253 daN

UNDERCARRIAGE

Maintenance-friendly B4 track-type undercarriage with triple grouser plates or rubber crawlers. Idler suspension with hydraulic crawler track tensioning.

Width rubber crawlers / steel crawlers	500 / max. 800 mm
Total length (sprocket - idler)	2628 / 2608 mm
Total length (undercarriage)	3345 mm

DOZER BLADE

Independent of drive train, sensitive control via separate hand lever.

Width x height	2500 x 510 mm
Dozer cut below ground	400 mm
Dozer lift above ground	500 mm
Slope angle	35°

STEERING

Independent, individual control of crawler chains, also counterwise. Sensitive control provided by pilot-operated hand levers combined with foot pedals. Full drawbar pull even at shifts in direction.

SWING SYSTEM

Hydrostatic drive with 2-stage planetary gear and axial piston fixed displacement motor, also acts as wear-resistant brake. In addition, automatically controlled spring-loaded multi-disc brake acting as parking brake.

Swing speed	0-9 rpm

KNICKMATIK®

Lateral parallel adjustment of boom arrangement at full dig depth.

Angle of articulation / lateral adjustment left	65° / 855 mm
Angle of articulation / lateral adjustment right	56° / 995 mm

FLUID CAPACITIES

Fuel tank	190 l
Hydraulic system (incl. tank)	140 l

OPERATING DATA, STANDARD EQUIPMENT

Operating weight (monobloc boom) acc. to ISO 6016	12,500 kg
Operating weight (two-piece articulated boom "TPA") acc. to ISO 6016	12,800 kg
Undercarriage (steel crawlers) 500 mm	+310 kg
Transport dimensions: Monobloc boom / TPA boom (L x H)	7260 x 2880 mm
Total width with dozer blade	2500 mm
Total height (top of cab)	2870 mm
Ground clearance	420 mm
Uppercarriage tailswing	1370 mm
Uppercarriage frontswing (monobloc boom)	2620 mm
Working envelope 180° (monobloc boom)	3990 mm
Working envelope 360° (monobloc boom)	5240 mm
Bucket digging force acc. to ISO 6015 (monobloc boom)	81,500 N
Ripping force acc. to ISO 6015 (monobloc boom / TPA boom)	61,000 N
Ground pressure (rubber crawlers)	0.43 daN/cm^2
Ground pressure (steel crawlers)	0.44 daN/cm^2

HYDRAULIC SYSTEM

Working hydraulics: Axial-piston variable displacement pump with load sensing, coupled with a load-independent flow distribution (LUDV). Simultaneous, independent control of all movements. Sensitive maneuvers irrespective of loads.

Pump capacity, max.	158 l/min
Working pressure, max.	350 bar

The thermostatically controlled oil circuit ensures that the oil temperature is promptly reached and avoids overheating. Return filter installed in oil tank allows for eco-friendly replacement of filter elements.

Dual gear pump for all positioning and swing movements. Pressure cut-off valve for sensitive and energy-saving swing movements.

Pump capacity, max.	41+36 l/min
Working pressure, max.	230 bar

Control circuit for work attachments:

Pump capacity, adjustable up to max.	100 l/min
Working pressure, max.	350 bar

Two servo-assisted joystick controls (ISO) for excavator operations.

CAB

Spacious, sound-insulated full-vision steel cab, FOPS* (acc. to ISO 3449) certified. Safety glass windows, thermo windows tinted in green. Skylight window, tinted. Panoramic rear window. Front window supported by pneumatic springs, lockable for ventilation and slidable under cab roof. Windshield washer system. Storage compartment. Preparation for radio installation. Left-hand outside rear-view mirror.

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

Operator's seat MSG 85 (comfort version), hydraulic damping, adjustable armrests, height, tilt and weight adjustments. Lap belt.

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

Working floodlights Halogen H-3.

Sound level values in compliance with EC-directives.

*FOPS-approved only with skylight guard (optional)

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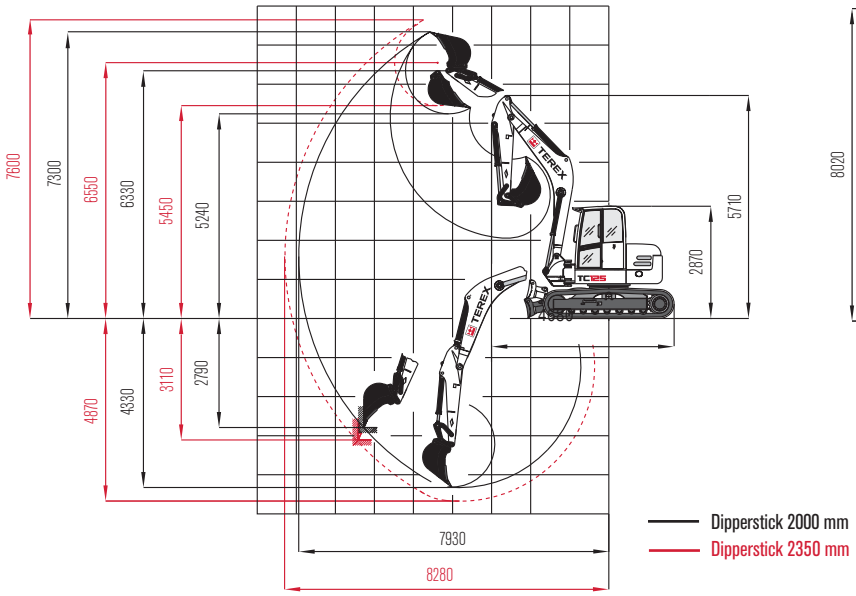
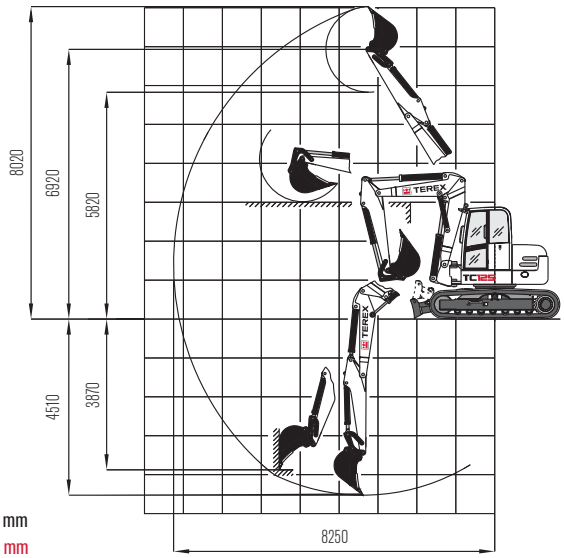
WORKING RANGES & DIMENSIONS: MONOBLOC BOOM / TPA BOOM





LIFTING CAPACITIES

Bucket hinge height		Load radius from center of ring gear									
Dipperstick 2000 mm		3.2 m		4.0 m		5.0 m		6.0 m		6.6 m	
		End	Side	End	Side	End	Side	End	Side	End	Side
2.0 m	S	4.80	2.06	3.58	3.36	3.02	2.28	2.78	1.70	2.68	1.48
	T	3.15	-	3.53	3.28	2.32	2.26	2.03	1.69	1.37	1.46
1.0 m	S	7.19	3.90	5.32	2.86	3.90	2.03	3.25	1.60	2.93	1.36
	T	4.66	3.83	3.53	2.07	2.60	2.07	1.98	1.62	1.65	1.33
0 m	S	7.30	4.02	5.91	2.65	4.53	1.98	2.87	1.51	3.20	1.32
	T	4.70	3.92	3.21	2.59	2.41	1.95	1.14	1.48	1.64	1.30
- 0.5 m	S	6.84	3.67	6.37	2.74	4.40	1.95	3.69	1.52	3.37	1.37
	T	4.45	3.62	3.26	2.61	2.43	1.91	1.17	1.50	1.57	1.34

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 crawlers.
Abbreviations: S = Supported by blade, T = Traveling

DIMENSIONS

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

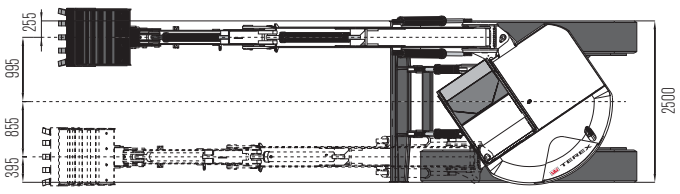


Fig. 2:
Working envelope

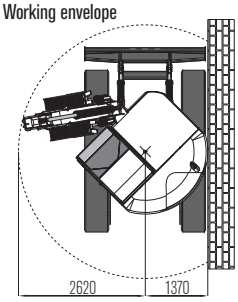
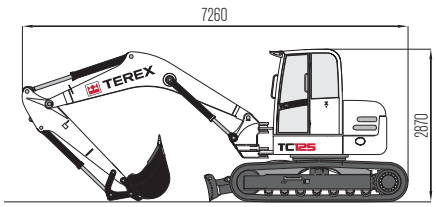


Fig. 3:
Transport position



WORK ATTACHMENTS

BUCKETS

Bucket, QAS	400 mm wide, capacity 149 l
Bucket, QAS	500 mm wide, capacity 200 l
Bucket, QAS	600 mm wide, capacity 254 l
Bucket, QAS	700 mm wide, capacity 308 l
Bucket, QAS	800 mm wide, capacity 364 l
Bucket, QAS	900 mm wide, capacity 421 l
Bucket, QAS	1000 mm wide, capacity 477 l
Ditch-cleaning bucket, QAS	1500 mm wide, capacity 371 l
Swing bucket, QAS	1500 mm wide, capacity 371 l
Swing bucket, QAS	1800 mm wide, capacity 430 l

GRABS

Clamshell grab GS 3325, grab swing brake	set of shells 325 mm wide, capacity 150 l
Clamshell grab GS 3400, grab swing brake	set of shells 400 mm wide, capacity 200 l
Clamshell grab GS 3500, grab swing brake	set of shells 500 mm wide, capacity 250 l
Clamshell grab GS 3600, grab swing brake	set of shells 600 mm wide, capacity 325 l
Ejector	

OTHER WORK ATTACHMENTS

Ripper tooth / QAS (1 tooth)	Cutting unit
Hydraulic hammer	Quick-change adapter for hydraulic hammer
Auger	Bolt-on load hook for bucket rod
Load hook integrated in quick-attach system	
Further work attachments available on request	

OPTIONAL EQUIPMENT

BOOM OPTIONS

TPA boom, with dipperstick 2000 mm
Monobloc boom with dipperstick 2000 mm, but with inverted boom cylinders
Monobloc boom, with extended dipperstick 2000 mm

CRAWLER CHAIN OPTIONS

Rubber crawler track, 500 mm wide
Rubber-coated steel crawler chain 'Roadliner', 500 mm wide.

OPTIONAL SUPPORT/DOZER SYSTEMS

Front dozer blade, extra-long version

HYDRAULIC SYSTEM

Second control circuit (e.g. for sorting grab)	Biodegradable hydraulic oil / ester-based HLP 68 (Panolin)
Open return	Conversion kit from ISO controls to Schaeff controls
Float position dozer blade	A/B control pattern switch
Hose-rupture / load-retaining valve for monobloc boom	Hose-rupture / load-retaining valve for dipperstick (monobloc boom)
Hose-rupture / load-retaining valve for TPA boom	Hose-rupture / load-retaining valve for intermediate boom and dipperstick (TPA boom)
Hose-rupture / load-retaining valve for extended dipperstick (monobloc boom)	Hose-rupture / load-retaining valve for monobloc boom with inverted boom cylinders
Hydraulic boom height limitation, monobloc boom	Hydraulic boom height limitation, TPA boom

ENGINE

Diesel exhaust cleaner	Catalyst

CAB

Lighting package: 1 double beam working floodlight - cab-mounted rear center, 1 working floodlight cab-mounted - front right	FOPS - skylight guard
Additional boom-mounted working floodlight	Radio set installation kit
Yellow beacon	

DRIVER'S STAND

Operator's seat MSG 95 (premium version), air damping, extra-high backrest, longitudinal-horizontal suspension, seat and backrest heating

OTHER OPTIONAL EQUIPMENT

Air conditioning	Anti-theft device (immobilizer)
Quick-attach system, mechanical (genuine Lehnhoff system), type MS08	Quick-attach system, hydraulical (genuine Lehnhoff system), type HS08
Hydraulic installation for quick-attach system	Electrical refueling pump
Rear fog lamp	Engine-independent diesel heater with fresh air circulation and timer
Special coating / adhesive films	
Further optional equipment available on request	

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