

Compact Crawler Excavator

OPERATING WEIGHT	16,538 -17,086 lbs (7,500 - 7,750 kg)
NET ENGINE POWER	72 hp (53 kW)
MAX DIG DEPTH	14' 7" (4.44 m)
MAX REACH	24' 5" (7.44 m)



COMPACT CRAWLER EXCAVATOR
TC75

Operating Data, Standard Equipment

Operating weight (rubber crawlers)	16,538 lbs (7,500 kg)
Operating weight (steel crawlers)	17,086 lbs (7,750 kg)
Overall length (travel position)	13' 7" (4.2 m)
Overall height (travel position)	14' 3" (4.3 m)
Total length (trailer transport position)	19' 9" (6.0 m)
Total height (top of cab)	8' 11" (2.7 m)
Total width with dozer blade	7' 6" (2.3 m)
Tread width	6' 2" (1.9 m)
Ground clearance	16" (408 mm)
Uppercarriage tailswing	3' 10" (1.2 m)
Working envelope, 180°	11' 5" (3.5 m)
Working envelope, 360°	15' 1" (4.6 m)
Bucket digging force (SAE J 1179)*	11,970 lbs (53,200 N)
Stick digging force (SAE J 1179)*	9,585 lbs (42,600 N)
Ground pressure	4.4 psi (0.31 daN/cm ²)

*Standard equipment, may vary with different bucket.

Specifications

Engine

Manufacturer, model	Deutz, KHD BF 4 M
Type	4-cylinder, turbocharged diesel engine
Combustion	4-stroke, direct injection
Displacement	195 in ³ (3.2 L)
Net power rating at 2,000 rpm (SAE J 1349)	73 hp (54 kW)
Cooling system	Oil

Electrical System

Nominal voltage	12 V
Battery	12 V / 105 Ah / 450 A

Power Transmission

Hydrostatic drive with reduction gear. Gear-integrated multi-disc brake acting as service and parking brake, automatically hydraulically bled; 2-stage variable displacement motor, full power shift.	
2 speed ranges:	
Travel speed forward/reverse	0 – 1.7 mph (0 – 2.7 km/h) 0 – 3.2 mph (0 – 5.2 km/h)
Gradeability	> 60%
Drawbar pull	13,613 lbs (60.5 kN)

Undercarriage

Maintenance-friendly crawler-type undercarriage with triple grouser plates or rubber crawlers. Idler suspension with hydraulic crawler tensioning.	
Steel crawlers / rubber crawlers	18" / 18" (450 / 450 mm)
Total length (sprocket/idler)	7' 2" / 7' 4" (2,202 / 2,247 mm)
Total length (undercarriage)	9' 4" (2.9 m)

Dozer Blade

Independent from drive train, sensitive control via hand lever.	
Width	7' 6" (2.3 m)
Cut below ground	15" (390 mm)
Lift above ground	20" (500 mm)
Slope angle	35°

Steering

Independent control of tracks via hand controls or foot pedals.	
---	--

Swing System

Hydrostatic drive with 2-stage planetary gear and fixed axial piston displacement motor. In addition, automatically controlled spring-loaded multi-disc brake acts as swing brake when the pilot control lever is in neutral position.	
Swing speed	0 – 10 rpm

Hydraulic System

Working hydraulics: Axial piston pump with load-sensing, coupled with a load-independent flow division (LUDV). Simultaneous, independent control of all movements. Sensitive maneuvers irrespective of loads.	
Maximum working pressure	4,060 psi (280 bar)
Pump capacity	41 gpm (156 Lpm)
Gear pump for all positioning and swing movements.	
Pump capacities	18 gpm (68 Lpm)
Maximum working pressure	3,335 psi (230 bar)
Tank-immersed return filter with electric contamination indicator and full flow filtration. Hydraulic oil radiator provided as standard. Boom, dipperstick and articulated cylinders with end-position damping on both sides and bucket retract function with one-side end-position damping. Two-way auxiliary control circuit for work attachments provided as standard.	
Auxiliary hydraulics:	
Maximum working pressure	4,060 psi (280 bar)
Flow (adjustable)	maximum 26.4 gpm (100 Lpm)
Additional two-way auxiliary circuit is available through a switch-over on the bucket circuit. Open (pressureless) return as standard. All functions can be activated proportionally. Two servo-assisted joystick controls for excavator operations. Shut-off of all working functions when dismounting the machine.	
A/B control pattern switch standard.	
Hose rupture safety valves associated with overload warning device on boom cylinder standard.	

Knickmatik®

Boom offset to provide lateral parallel adjustment at full digging depth	
Angle of artic./ lateral adjustment left	63°/2' 8" (63°/ 815 mm)
Angle of artic./ lateral adjustment right	65°/3' 1" (65°/ 950 mm)

Cab

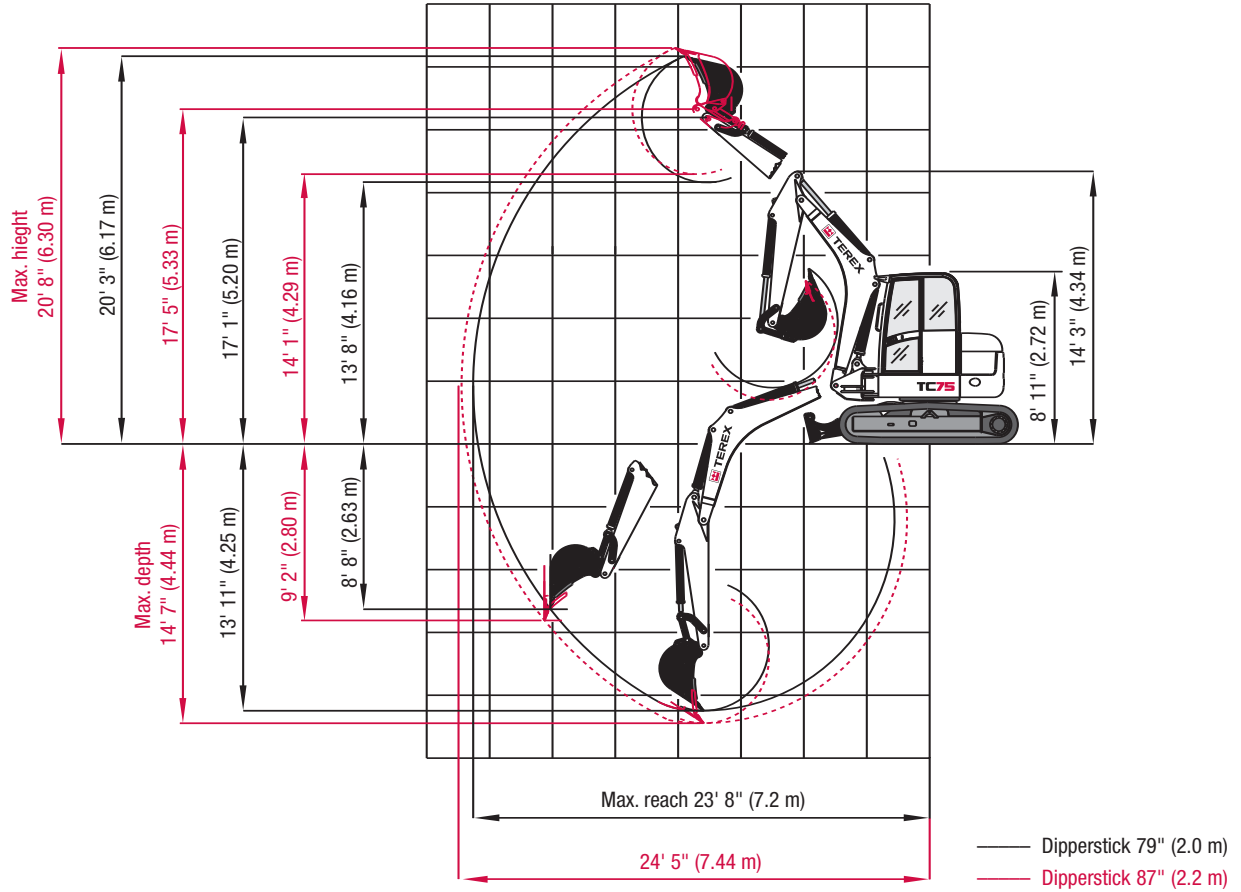
Spacious, sound-insulated full-vision steel cab with large access door. Safety glass windows, thermo windows tinted in green. Skylight thermo window. Front window supported by pneumatic springs, lockable in place for ventilation and slideable under cab roof. Windshield washer. Glove box. Instrument panel to the right of the operator's seat with visual and acoustic warning device. Left-hand, outside rear-view mirror. Cab heating with windshield defroster through coolant heat exchanger and 3-setting fan and ventilating mode in summer. Fabric-covered, hydraulically cushioned operator's seat with height-adjustable armrests, height, tilt and weight adjustments and seat belt.	
Working floodlight Halogen H-3.	
Noise emission ambience LWA / Noise emission cab LpA 101/ 77 dB (A)	

Optional FOPS approved skylight guard available.

Fluid Capacities

Fuel tank	34 gal (130 L)
Hydraulic system	37 gal (140 L)

Working Ranges & Dimensions



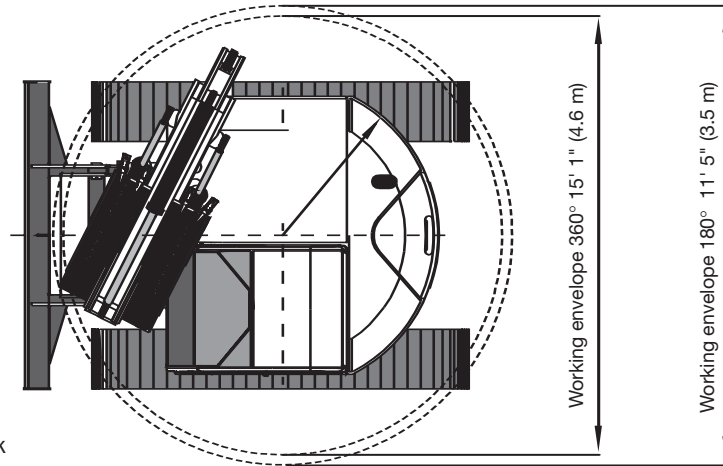
Lifting Capacities: 79" (2.0 m) Dipperstick

Unit: x 1,000 lbs (Metric tons)		Load radius from the center of the ring gear							
		9' 10" (3.0 m)		13' 1" (4.0 m)		16' 5" (5.0 m)		19' 8" (6.0 m)	
Bucket hinge pin height		End		Side		End		Side	
		9' 10" (3.0 m)	Supported by blade	-	-	5.55 (2.52)	3.37 (1.53)	4.32 (1.96)	2.20 (1.00)
	Traveling	-	-	3.31 (1.65)	3.31 (1.50)	2.49 (1.13)	2.18 (0.99)	-	-
4' 11" (1.5 m)	Supported by blade	7.14 (3.24)	5.14 (2.33)	5.75 (2.61)	3.13 (1.42)	4.72 (2.14)	2.14 (0.97)	3.83 (1.74)	1.52 (0.69)
	Traveling	4.96 (2.25)	5.07 (2.30)	3.50 (1.59)	3.06 (1.39)	2.34 (1.06)	2.07 (0.94)	1.65 (0.75)	1.48 (0.67)
0	Supported by blade	11.68 (5.30)	3.97 (1.80)	7.01 (3.18)	2.82 (1.28)	4.98 (2.26)	1.98 (0.90)	3.64 (1.65)	1.50 (0.68)
	Traveling	4.85 (2.20)	3.97 (1.80)	3.11 (1.41)	2.71 (1.23)	2.18 (0.99)	1.92 (0.87)	1.61 (0.73)	1.43 (0.65)
-3' 3" (-1.0 m)	Supported by blade	10.14 (4.60)	3.97 (1.80)	6.46 (2.93)	2.42 (1.10)	4.63 (2.10)	1.89 (0.86)	3.24 (1.47)	1.46 (0.66)
	Traveling	4.56 (2.07)	3.75 (1.70)	2.91 (1.32)	2.42 (1.10)	2.07 (0.94)	1.85 (0.84)	1.59 (0.72)	1.39 (0.63)

The above loads (all values in lbs x 1,000 resp. metric tons) are in compliance with SAE J 1097. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity. In each case, the smaller value is indicated. All values were determined with load hook. In the event of an attached bucket the difference weights bucket minus load hook must be deducted from the permissible payloads. When used for crane operations, excavators must be equipped with hose-rupture safety valves and overload warning device. Working equipment: Rubber crawlers, dipperstick 79" (2.0 m).

Compact Crawler Excavator TC75

Working Envelope / Top View



Work equipment: 79" (2.0 m) dipperstick

Attachments / Accessories

Optional Accessories

Mechanical quick-coupler system for work tools (QMH)	
Dipperstick	87" (2.2 m)
Quick-change adapter for hydraulic hammer	
FOPS skylight guard	
Independent diesel heating with timer	
Electrical tank refueling pump	
Filling with biodegradable hydraulic oil, ester-based VI 68	
Air-cushioned driver's seat	
Set of working floodlights (cab-mounted, front and rear)	
Hydraulic boom height limitation	
Radio control	
Electric drive	

Hydraulic Hammer

Sound-insulated. Tools: Moil point or chisel point

Bucket Options

Pin-on Style / Quick Coupler	Capacity cu. ft.	(Liters)
12" (300 mm) H.D. Bucket	3.3	93
16" (400 mm) H.D. Bucket	4.2	119
18" (450 mm) H.D. Bucket	5.0	142
24" (600 mm) H.D. Bucket	7.2	204
30" (760 mm) H.D. Bucket	9.5	269
48" (1,220 mm) Ditch-cleaning Bucket	10.3	291

Crawler-type Options

Steel crawlers (width)	18" (450 mm)
Steel crawlers (width)	24" (600 mm)



Terex Construction Americas

8800 Rostin Road
Southaven, MS 38671
USA

TEL 662-393-1800
SALES 866-837-3923
PARTS & TECH SUPPORT 888-201-6008
FAX 662-393-1700
EMAIL sales@terexca.com
WEB terexca.com

For more information, product demonstration, or details on purchase, lease and rental plans, please contact your local Terex Distributor.