TEREX®

TC10Z

MICRO EXCAVATOR



Specifications

Operating weight	1158 kg
Engine power	7.6 kW (10 HP)
Bucket capacity	24 - 69 l
Dig depth	1.62 / 1.77 m
Reach	3.17 / 3.31 m

Features

- Zero-tail version
- Telescopic undercarriage (760-990 mm)
- Wide dozer blade for dozer applications
- Protection roof with 2 vertical support members (foldable)
- Boom adjustable by 60° to the left, 70° to the right, enables excavation directly in front of walls
- Wide range of proven work attachments

WORKS FOR YOU.™

SPECIFICATIONS

ENGINE

Manufacturer, model	Yanmar, 2TNV70
Type	2-cylinder diesel engine, EPA/Tier 4 Final (2008)
Combustion	4-stroke, swirl chamber injection
Displacement	570 cm^3
Power rating acc. to ISO 9249 at 2260 rpm	7.6 kW (10 HP)
Cooling system	Water

ELECTRICAL SYSTEM

Operating voltage	12 V
Battery	12 V / 45 Ah
Generator	12 V / 40 A

TRANSMISSION

Two-stage hydrostatic travel drive with axial piston variable displacement motor and reduction gear, fully enclosed.	
Travel speed, forward and reverse	0-1.8/3.8 kph
Gradeability	max. 60%
Drawbar pull	1050 daN

UNDERCARRIAGE

Maintenance-free crawler-type undercarriage. Idler suspension with hydraulic crawler track tensioning. Mechanically retractable/extendable undercarriage provided as standard.	
Width (outside edge of crawler chains)	760 / 990 mm
Width of rubber crawlers	180 mm
Total length (sprocket - idler)	930 mm
Total length (undercarriage)	1255 mm

DOZER BLADE

Independent of drive train, sensitive control via separate hand lever. Cylinder protection as standard. Retractable/extendable.	
Width x height	760 - 990 x 200 mm
Dozer cut below ground	171 mm
Dozer lift above ground	219 mm
Slope angle	27°

STEERING

Independent, individual control of crawler chains, also counterwise. 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. Internally toothed ring gear.	
Swing speed	0-9.5 rpm

KNICKMATIK®

Lateral parallel adjustment of boom arrangement at full dig depth.	
Angle of articulation / lateral adjustment left	60° / 445 mm
Angle of articulation / lateral adjustment right	70° / 468 mm

FLUID CAPACITIES

Hydraulic system (incl. 9.5 l tank)	15 l
Cooling system	5 l
Engine oil	1.5 l



OPERATING DATA, STANDARD EQUIPMENT

Transport weight (with 2 support members protection roof)	1000 kg
Transport weight (with 4 support members canopy)	1060 kg
Operating weight (with 2 support members protection roof) acc. to ISO 6016	1158 kg
Operating weight (with 4 support members canopy) acc. to ISO 6016	1151 kg
Total length (travel position)	1795 (1840*) mm
Total length (trailer transport position)	2784 mm
Total height (travel position)	2200 mm
Total width	760 / 990 mm
Uppercarriage tailswing	500 mm
Uppercarriage frontswing	1295 (1340*) mm
Working envelope 180° / 360°	1795 / 2590 (2680*) mm
Ground clearance	146 mm
Bucket digging force (ISO 6015)	9905 N
Stick digging force (ISO 6015)	7375 N
Ground pressure (rubber crawlers)	0.28 daN/cm^2

HYDRAULIC SYSTEM

Pump capacity	23 lpm
Working pressure	170 bar
Working hydraulics: Dual fixed displacement pump for swinging and travel drive. Simultaneous independent control of all movements.	
Control circuit for work attachments (single or dual-action):	
Pump capacity	23 lpm
Max. working pressure	170 bar

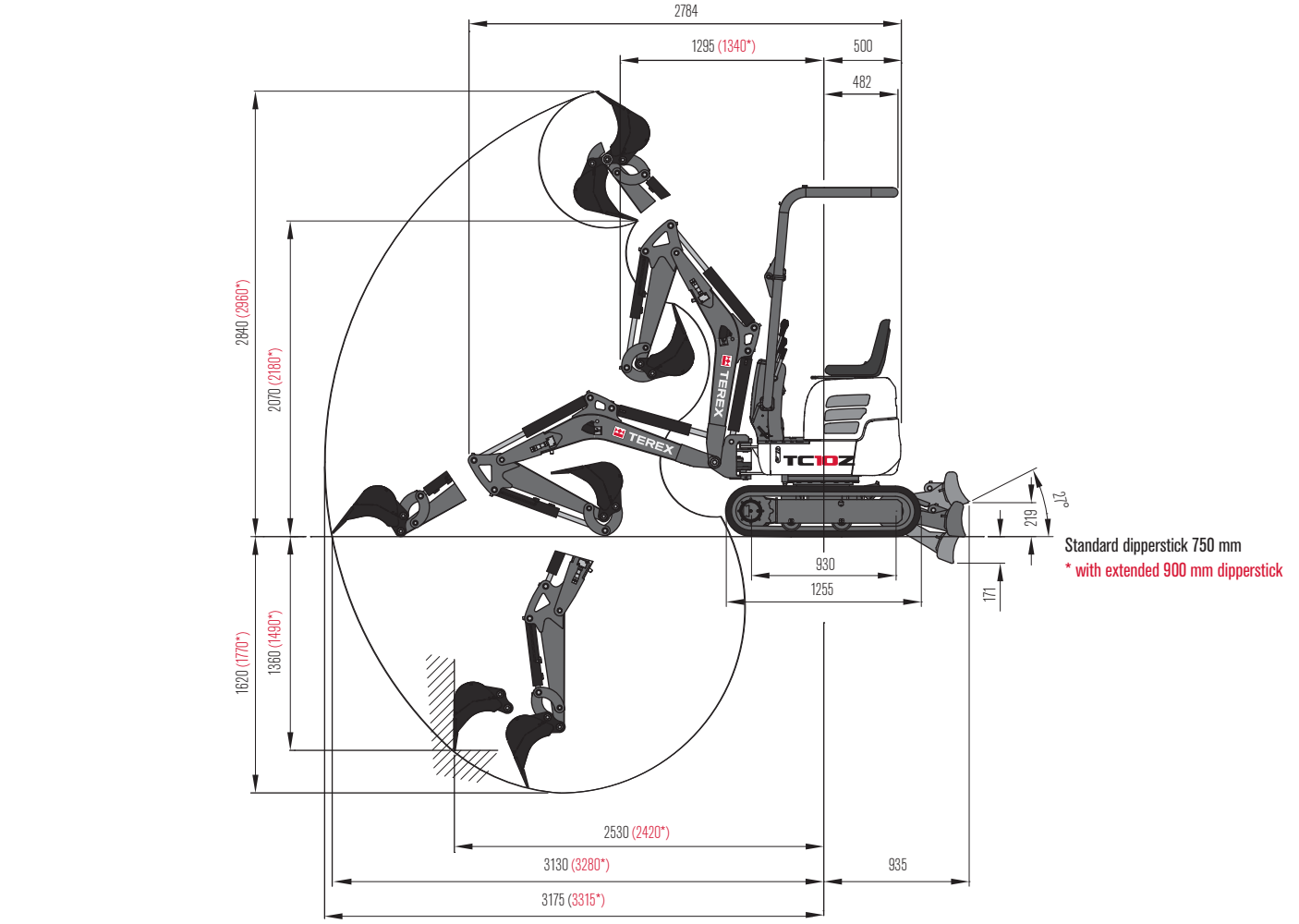
OPERATOR'S CANOPY

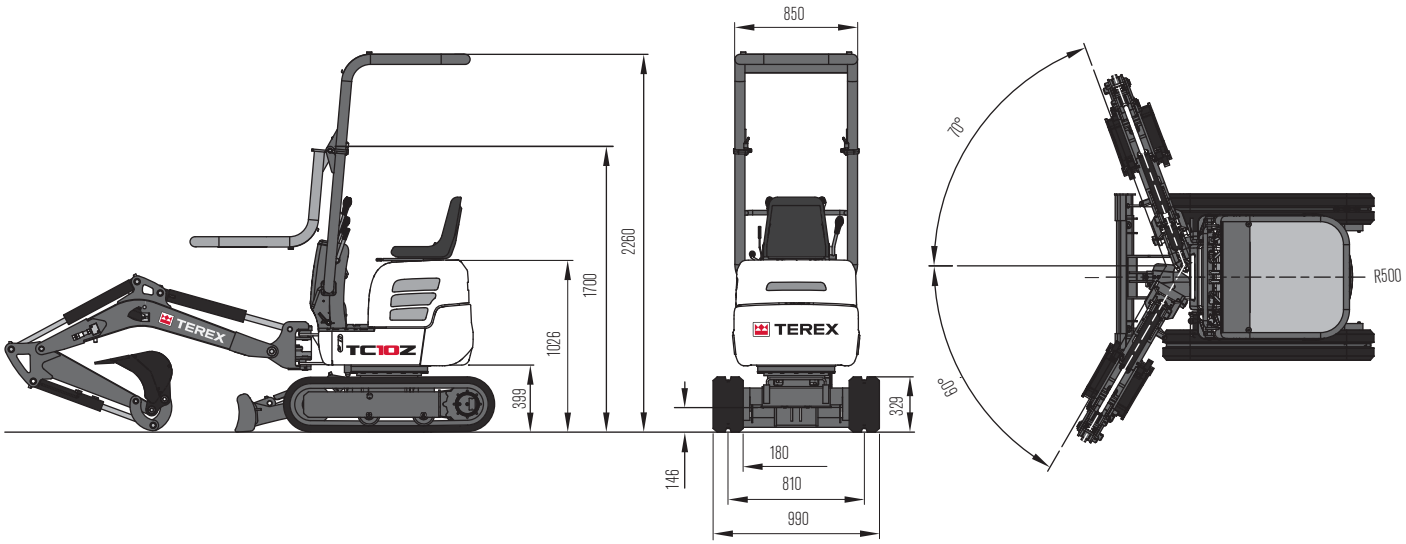
Protection roof with 2 vertical support members, foldable, FOPS (acc. to ISO 3449), TOPS (acc. to ISO 12117 / EN 13531).	
Operator's seat with artificial leather covering, seat belt.	
Instrument panel in front of the operator's seat, with visual & acoustic warning device, hour-meter.	
Working floodlights mounted on the boom.	
Noise emission ambience L_{WA}	93 dB (A)
Noise emission cab L_{pA}	78 dB (A)
Measured in dynamic measuring cycle acc. to EC Directive 2000/14/EC.	

*with 900 mm dipperstick (optional)

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WORKING RANGES & DIMENSIONS: MONOBLOC BOOM





LIFTING CAPACITIES

Bucket hinge height		Load radius from centre of ring gear			
Dipperstick 750 mm		1.5 m	2.0 m	2.5 m	Max.
1.0 m	A1	335	235	200	175
	A2	290	175	125	105
	L	335	190	115	90

All values in kilograms (kg) 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 without the 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.
Abbreviations: A1 = Front, supported, A2 = Front, travelling, L = Laterally rotated 90°, travelling

WORK ATTACHMENTS

BUCKETS

Bucket, QAS	250 mm wide, capacity 24 l
Bucket, directly mounted	250 mm wide, capacity 24 l
Bucket, QAS	300 mm wide, capacity 30 l
Bucket, directly mounted	300 mm wide, capacity 30 l
Bucket, QAS	400 mm wide, capacity 40 l
Bucket, directly mounted	400 mm wide, capacity 40 l
Bucket, QAS	500 mm wide, capacity 50 l
Bucket, directly mounted	500 mm wide, capacity 50 l
Bucket, QAS	600 mm wide, capacity 60 l
Bucket, directly mounted	600 mm wide, capacity 60 l
Ditch-cleaning bucket, QAS	800 mm wide, capacity 69 l
Ditch-cleaning bucket, directly mounted	800 mm wide, capacity 69 l

OTHER WORK ATTACHMENTS

Hydraulic hammer	Auger
Further work attachments available on request	

OPTIONAL EQUIPMENT

BOOM OPTIONS

Monobloc boom, with extended 900 mm dipperstick

OPERATOR'S CANOPY

Canopy, 4 vertical support members, ROPS , FOPS (acc. to ISO 3449), TOPS (acc. to ISO 12117 / EN 13531), seat belt.

OTHER OPTIONAL EQUIPMENT

Mechanical quick-attach system (QAS)	Further optional equipment available on request

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Effective date: 1st October, 2011. Product specifications and prices are subject to change without notice or obligation. The photographs and/or drawings in this document are for illustrative purposes only. Refer to the appropriate Operator's Manual for instructions on the proper use of this equipment. Failure to follow the corresponding Operator's Manual when using our equipment or to otherwise act responsibly may result in serious injury or death. The only warranty applicable to our equipment is the standard written warranty applicable to the particular product. Terex makes no other warranty, express or implied. Products and services listed may be trademarks, service marks or trade-names of Terex Corporation and/or its subsidiaries in the USA and other countries. All rights are reserved. "Terex" is a registered trademark of Terex Corporation in the USA and many other countries.
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