

# 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

# 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 <sup>3</sup>
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.	
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## 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 <sup>2</sup>

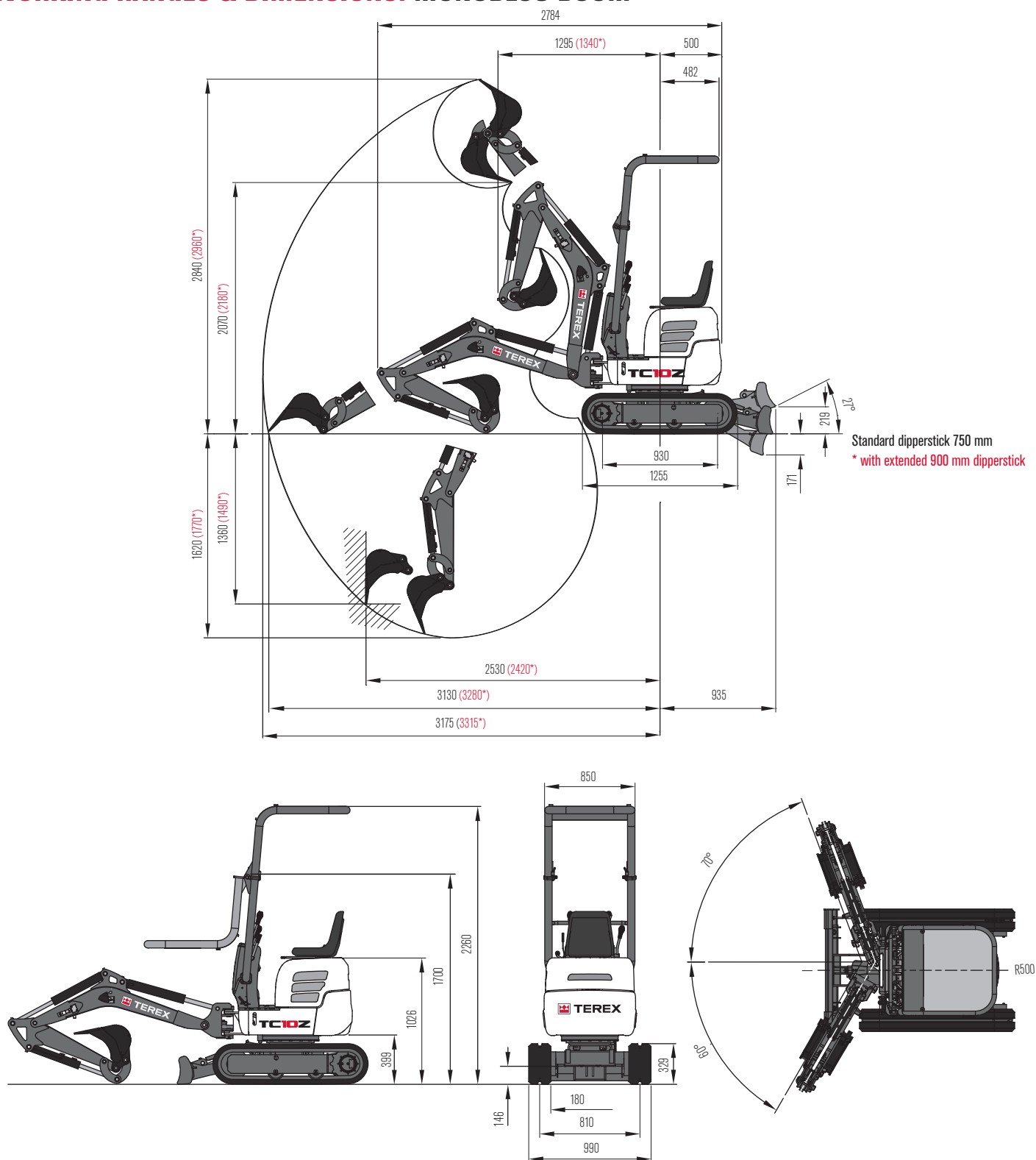
## HYDRAULIC SYSTEM

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 <sub>WA</sub>	93 dB (A)
Noise emission cab L <sub>PA</sub>	78 dB (A)
Measured in dynamic measuring cycle acc. to EC Directive 2000/14/EC.	
*with 900 mm dipperstick (optional)	

## WORKING RANGES & DIMENSIONS: MONOBLOC BOOM



## LIFTING CAPACITIES

Bucket hinge height Dipperstick 750 mm		Load radius from centre of ring gear			
		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
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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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