

302.4D

Mini Hydraulic Excavator



Engine

Gross Power (ISO 14396)	17.9 kW	24.3 hp
Net Power	13.2 kW	17.7 hp

Weights

Operating Weight with Cab	2320 kg	5,115 lb
Operating Weight with Canopy	2210 kg	4,872 lb

302.4D Mini Hydraulic Excavator Specifications

Engine

Engine Model	Yanmar 3TNV76	
Rated Net Power @ 2,200 rpm (ISO 9249)	13.2 kW	17.7 hp
Gross Power (ISO 14396)	17.9 kW	24.3 hp
Displacement	1116 cm ³	40 in ³

Weights

Transport Weight with Cab	2175 kg	4,795 lb
Transport Weight with Canopy	2065 kg	4,553 lb
Operating Weight with Cab	2320 kg	5,115 lb
Operating Weight with Canopy	2210 kg	4,872 lb

- Operating weight includes standard stick, rubber tracks, bucket, operator, full fuel.

Travel System

Travel Speed	2.5 km/h-4 km/h	1.55 mph-2.5 mph
Gradeability	30°/58%	

Service Refill Capacities

Fuel Tank Capacity	24 L	6.3 gal
Hydraulic Tank Capacity	19 L	5 gal

Operating Specifications

Stick Length – Standard	1050 mm	42 in
Stick Length – Long	1250 mm	49.2 in
Machine Overhang	460 mm	18.1 in

Blade

Width	1400 mm	55 in
Height	300 mm	11.8 in
Dig Depth	334 mm	13 in
Lift Height	294 mm	11.5 in

Hydraulic System

Pump Flow @ 2,200 rpm	26.1 + 26.1 + 19.4 + 6.4 L/min	6.9 + 6.9 + 5.1 + 1.7 gal/min
Operating Pressure – Equipment	240 bar	3,481 psi
Operating Pressure – Travel	240 bar	3,481 psi
Operating Pressure – Swing	150 bar	2,176 psi
Auxiliary Circuits		
Primary	30 L/min at 170 bar	8 gal/min at 2,465 psi
Secondary	17 L/min at 200 bar	4.5 gal/min at 2,900 psi
Maximum Bucket Force	21.8 kN	4,900 lbf
Maximum Stick Force – Standard Stick	15 kN	3,372 lbf
Maximum Stick Force – Long Stick	13.3 kN	2,990 lbf

Lift Capacity at Ground Level

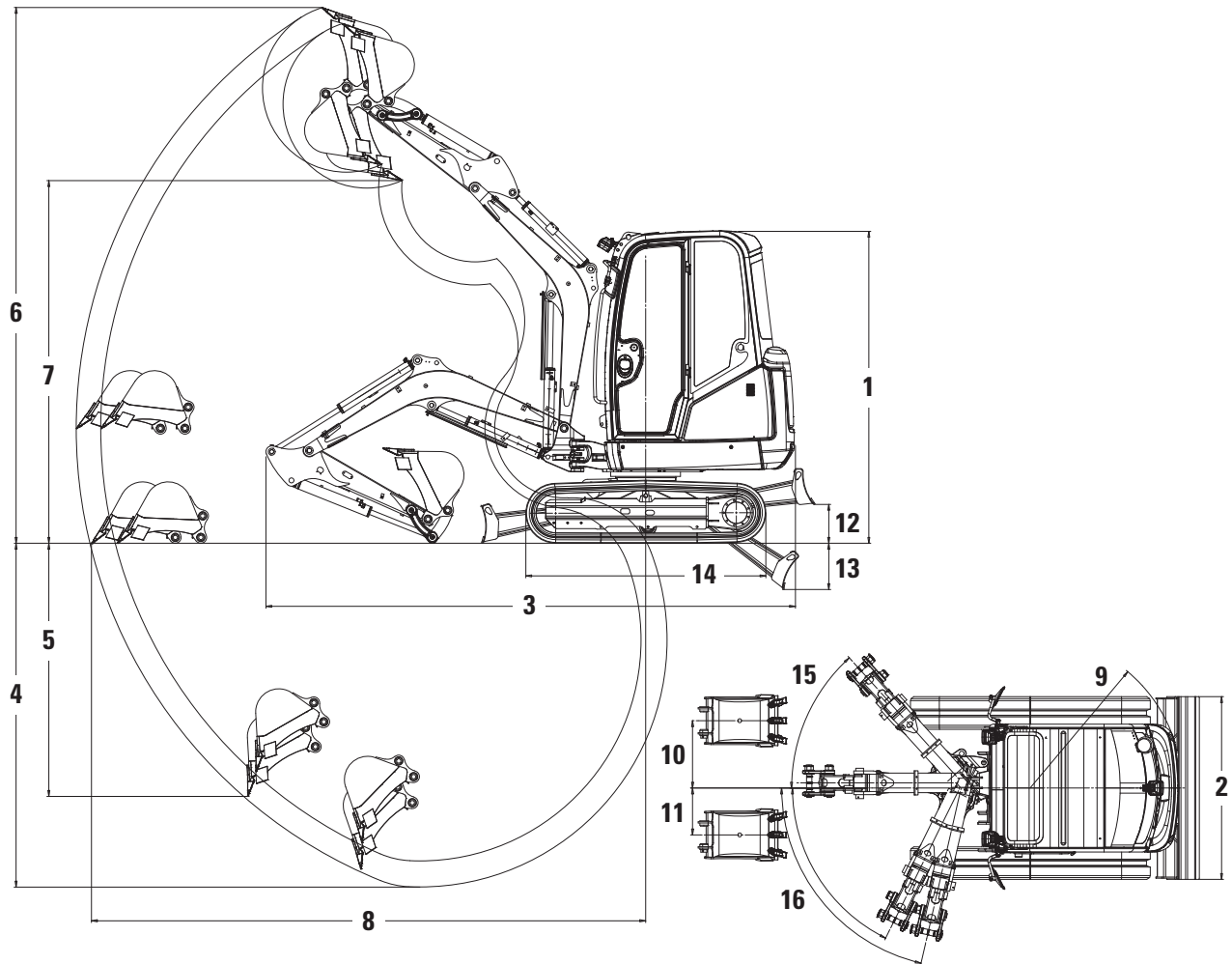
Lift Point Radius	2 m (6'7")				2.5 m (8'2")				3 m (9'10")				Maximum			
	Front		Side		Front		Side		Front		Side		Front		Side	
	kg	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg	lb
Standard Stick	1331*	2,934*	734	1,618	963*	2,123*	534	1,177	755*	1,665*	416	917	638*	1,407*	350	772
Long Stick	1315*	2,899*	729	1,607	943*	2,079*	530	1,168	740*	1,631*	411	906	584*	1,288*	317	699

*The above loads are in compliance with hydraulic excavator lift capacity rating standard ISO 10567:2007 and they do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity. The excavator bucket weight is not included on this chart.

302.4D Mini Hydraulic Excavator Specifications

Dimensions

All dimensions are approximate.



	Standard Stick		Long Stick	
1 Height	2390 mm	7'10"	2390 mm	7'10"
2 Width	1400 mm	4'6"	1400 mm	4'6"
3 Transport Length (arm lowered)	4030 mm	13'3"	4030 mm	13'3"
4 Maximum Digging Depth	2400 mm	7'11"	2600 mm	8'6"
5 Maximum Vertical Dig Depth	1570 mm	5'2"	1750 mm	5'9"
6 Maximum Dig Height	3950 mm	12'11"	4070 mm	13'4"
7 Maximum Dump Height	2750 mm	9'0"	2870 mm	9'5"
8 Maximum Reach at Ground Level	4020 mm	13'2"	4220 mm	13'10"
9 Tail Swing Radius	1170 mm	3'10"	1170 mm	3'10"
10 Maximum Boom Offset (RH)	520 mm	20"	520 mm	20"
11 Maximum Boom Offset (LH)	360 mm	14"	360 mm	14"
12 Maximum Dozer Lift Height	300 mm	12"	300 mm	12"
13 Maximum Dozer Dig Depth	335 mm	13"	335 mm	13"
14 Length of Undercarriage	1840 mm	6'0"	1840 mm	6'0"
15 Boom Swing Angle (RH)	48°		48°	
16 Boom Swing Angle (LH)	77°/64°		77°/64°	

302.4D Standard Equipment

Standard Equipment

Standard equipment may vary. Consult your Cat dealer for details.

- Automatic swing park brake
- Auxiliary quick disconnect couplers
- Canopy – ROPS and TOPS protection
- Dozer blade
- Dozer float
- Fixed undercarriage
- Hammer/two way auxiliary hydraulic lines
- Hydraulic oil cooler
- Maintenance free battery
- Retractable seat belt
- Rubber track 250 mm (10 in) wide
- Suspension seat, vinyl covered
- Travel pedals
- Working light mounted to boom

302.4D Optional Equipment

Optional Equipment

Optional equipment may vary. Consult your Cat dealer for details.

- Additional hydraulic circuit diverted from bucket cylinder
- Auto engine idle
- Boom stick or dozer blade check valve
- Cab, radio ready – ROPS and TOPS protection, heater/defroster and windscreen washer/wiper
- Cab top guard to ISO 10262 (Level 1)
- Cab/canopy lights
- Joystick mounted proportional auxiliary control with flow control
- Long stick
- Mirror pack
- Removable swing stop
- Second auxiliary lines
- Suspension seat, fabric covered

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