

# 17D

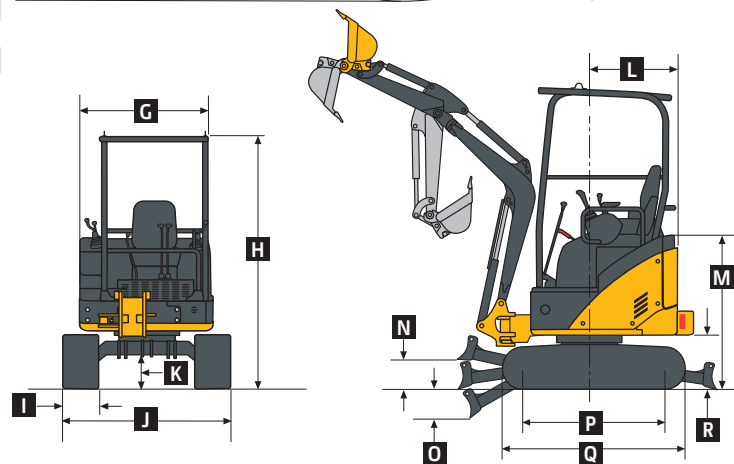
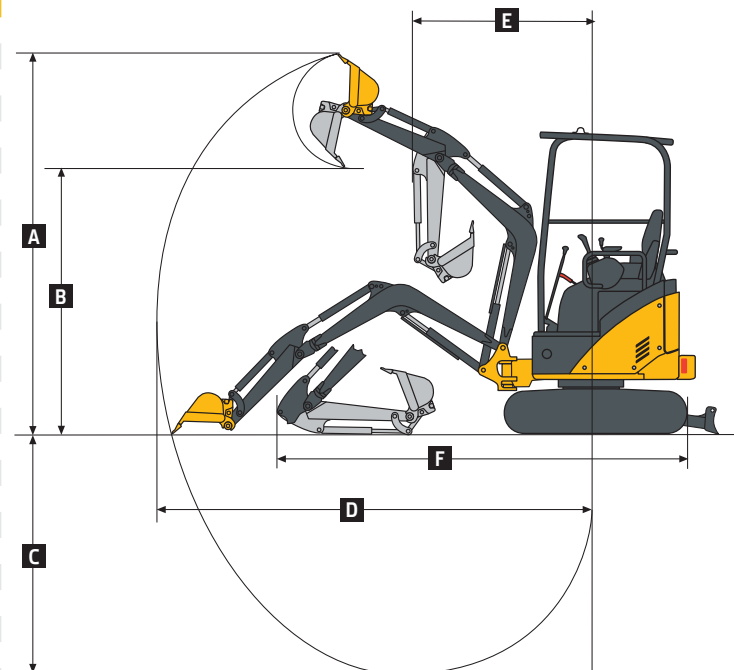


<b>Engine</b>		<b>17D</b>
Manufacturer and Model	Yanmar 3TNV70	
Non-Road Emissions Standard	EPA Final Tier 4/EU Stage IV	
Displacement	0.85 L (52 cu. in.)	
Net Power (ISO 9249)	11.0 kW (14.8 hp) at 2,400 rpm	
<b>Powertrain</b>		
Each track independently driven by hydrostatic axial-piston motor connected to 2-stage planetary gear-reduction box		
Travel Speed (maximum)		
Low	2.4 km/h (1.5 mph)	
High	4.3 km/h (2.7 mph)	
Swing Speed	8.9 rpm	
Swing Brake	Spring applied, hydraulically released, automatic	
<b>Hydraulics</b>		
Open center with 2 variable-displacement pumps and 1 fixed-gear pump		
Pump Flow		
Piston	2 x 19.2 L/m (2 x 5.1 gpm)	
Gear	12.5 L/m (3.3 gpm)	
Auxiliary Flow	31.7 L/m (8.4 gpm)	
Controls	Hydraulic pilot-operated for boom, arm, bucket, swing, boom swing, blade, travel, and auxiliary functions	
<b>Electrical</b>		
Alternator Rating	40 amp	
Work Lights	1 mounted on boom	
<b>Undercarriage</b>		
Planetary final drive; 2-speed axial-piston propel motors		
Tracks, Rubber	230 mm (9 in.)	
Ground Pressure (with rubber track)	28 kPa (4.1 psi)	
<b>Upperstructure</b>		
Independent Swing Boom		
Left	70 deg.	
Right	50 deg.	
Counterweight		
Standard	230 kg (507 lb.)	
Optional	80 kg (176 lb.)	
Tailswing Counterweight		
Standard	35 mm (1 in.)	
Optional	115 mm (5 in.)	
<b>Serviceability</b>		
<b>Refill Capacities</b>		
Fuel Tank	19.5 L (5.2 gal.)	
Engine Oil with Filter	3.1 L (3.3 qt.)	
Hydraulic Tank	20.2 L (5.3 gal.)	
<b>Operating Weights</b>		
	<i>0.93-m (3 ft. 1 in.) Standard Arm and Standard Counterweight</i>	<i>1.13-m (3 ft. 8 in.) Long Arm and Extra Counterweight</i>
With Full Fuel Tank and 79-kg (175 lb.) Operator		
With Rubber Track	1893 kg (4,173 lb.)	1979 kg (4,364 lb.)
With Steel Track	1959 kg (4,319 lb.)	2045 kg (4,508 lb.)



Operating Dimensions		17D	0.93-m (3 ft. 1 in.) Standard Arm and Standard Counterweight	1.13-m (3 ft. 8 in.) Long Arm and Extra Counterweight
A	Maximum Digging Height	3.56 m (11 ft. 8 in.)	3.66 m (12 ft. 0 in.)	3.66 m (12 ft. 0 in.)
B	Maximum Dumping Height	2.53 m (8 ft. 4 in.)	2.63 m (8 ft. 8 in.)	2.63 m (8 ft. 8 in.)
C	Maximum Digging Depth	2.17 m (7 ft. 1 in.)	2.37 m (7 ft. 9 in.)	2.37 m (7 ft. 9 in.)
D	Maximum Digging Reach	3.90 m (12 ft. 10 in.)	4.08 m (13 ft. 5 in.)	4.08 m (13 ft. 5 in.)
E	Minimum Front Swing Radius	1.54 m (5 ft. 1 in.)	1.63 m (5 ft. 4 in.)	1.63 m (5 ft. 4 in.)
F	Transport Length	3.59 m (11 ft. 9 in.)	3.64 m (11 ft. 11 in.)	3.64 m (11 ft. 11 in.)
Breakout Force				
	Bucket	16.0 kN (3,597 lb.)	16.0 kN (3,597 lb.)	16.0 kN (3,597 lb.)
	Arm	10.3 kN (2,316 lb.)	9.1 kN (2,046 lb.)	9.1 kN (2,046 lb.)

Machine Dimensions	
Blade Width	
	Minimum 0.98 m (3 ft. 3 in.)
	Maximum 1.28 m (4 ft. 2 in.)
Blade Height 260 mm (10.2 in.)	
G	Upperstructure Width 0.98 m (3 ft. 3 in.)
H	Overall Height to Roof 2.40 m (7 ft. 10 in.)
I	Track Width 230 mm (9 in.)
J Undercarriage Width	
	Minimum 0.97 m (3 ft. 2 in.)
	Maximum 1.28 m (4 ft. 2 in.)
K Ground Clearance	
	Rubber Track 165 mm (6.5 in.)
	Steel Track 145 mm (5.7 in.)
L Tail Swing Radius	
	Standard Arm 675 mm (27 in.)
	Long Arm 755 mm (30 in.)
M	Engine Cover Height 1.23 m (4 ft. 0 in.)
N	Maximum Blade Lift Above Ground 285 mm (11.2 in.)
O	Maximum Blade Drop Below Ground 240 mm (9.4 in.)
P Sprocket Center To Idler Center	
	Rubber Track 1.21 m (4 ft. 0 in.)
	Steel Track 1.20 m (3 ft. 11 in.)
Q Track Length	
	Rubber Track 1.57 m (5 ft. 2 in.)
	Steel Track 1.55 m (5 ft. 1 in.)
R Counterweight Clearance	
	Rubber Track 435 mm (17 in.)
	Steel Track 415 mm (16 in.)



Lift Capacities	Ground Level at 3.05-m (10 ft.) Radius			
	0.93-m (3 ft. 1 in.) Standard Arm, Standard Counterweight, and Rubber Track	1.13-m (3 ft. 8 in.) Long Arm, Extra Counterweight, and Rubber Track	0.93-m (3 ft. 1 in.) Standard Arm, Standard Counterweight, and Steel Track	1.13-m (3 ft. 8 in.) Long Arm, Extra Counterweight, and Steel Track
Over Front, Blade Down (limited by hydraulics)	444 kg (979 lb.)	437 kg (963 lb.)	444 kg (979 lb.)	437 kg (963 lb.)
Over Side	227 kg (500 lb.)	254 kg (559 lb.)	238 kg (524 lb.)	264 kg (583 lb.)