

# 60G

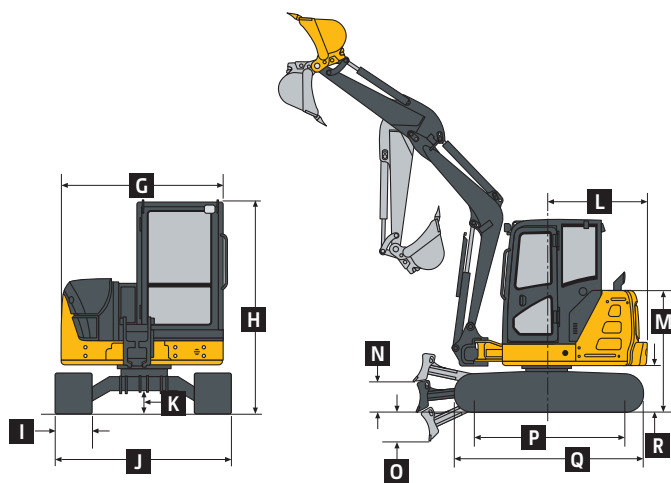
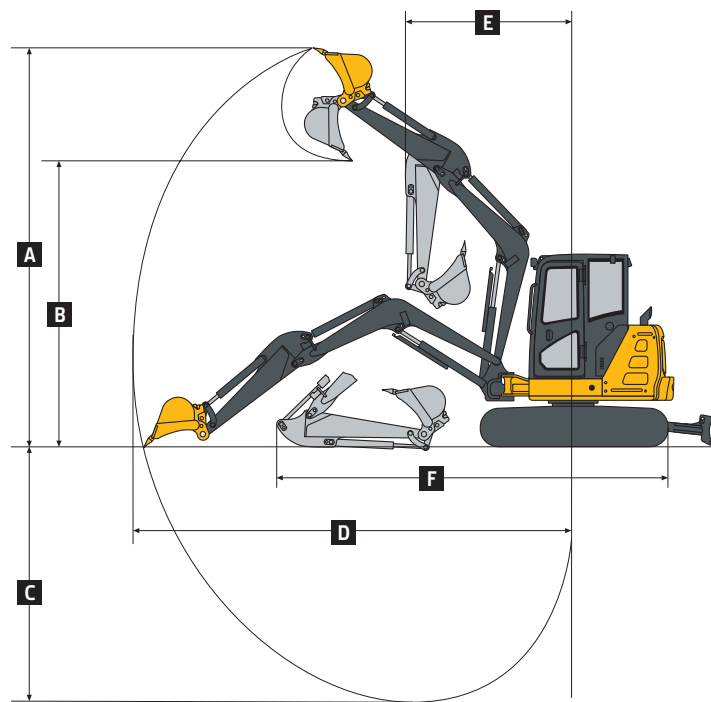


<b>Engine</b>		<b>60G</b>			
Manufacturer and Model	Yanmar 4TNV98C				
Non-Road Emission Standard	EPA Final Tier 4/EU Stage IV				
Displacement	3.3 L (203 cu. in.)				
Net Power (ISO 9249)	39.6 kW (53 hp) at 2,000 rpm				
<b>Powertrain</b>					
Each track independently driven by hydrostatic axial-piston motor connected to 2-stage planetary gear-reduction box					
<b>Maximum Travel Speed</b>					
Low	2.9 km/h (1.8 mph)				
High	4.8 km/h (3.0 mph)				
<b>Hydraulics</b>					
Closed-center load sensing					
<b>Main Pumps</b>		1 variable-displacement pump			
Pump Flow	144 L/m (38.0 gpm)				
Auxiliary Flow	92 L/m (24.2 gpm)				
Controls	Hydraulic pilot-operated controls for boom, arm, bucket, swing, boom swing, blade, travel, and auxiliary functions				
<b>Electrical</b>					
Alternator Rating	55 amp				
Work Lights	2 halogen: 1 mounted on boom and 1 mounted on frame				
<b>Undercarriage</b>					
Track, Rubber	400 mm (16 in.)				
<b>Ground Pressure</b>		1500-mm (4 ft. 11 in.) Standard Arm and Standard Counterweight		1850-mm (6 ft. 1 in.) Long Arm and Extra Counterweight	
With Rubber Track	35 kPa (5.12 psi)		37 kPa (5.37 psi)		
<b>Upperstructure</b>					
Swing Speed	9.5 rpm				
<b>Independent Swing Boom</b>					
Left	80 deg.				
Right	60 deg.				
Swing Brake	Spring applied, hydraulically released, automatic, disc type				
<b>Serviceability</b>					
<b>Refill Capacities</b>					
Fuel Tank	120 L (31.7 gal.)				
Cooling System	7.7 L (8.1 qt.)				
Engine Oil with Filter	11.2 L (11.8 qt.)				
Hydraulic Tank	80 L (21.1 gal.)				
<b>Operating Weights</b>					
	1500-mm (4 ft. 11 in.) Standard Arm, Standard Counterweight, and Rubber Tracks	1500-mm (4 ft. 11 in.) Standard Arm, Standard Counterweight, and Steel Tracks	1850-mm (6 ft. 1 in.) Long Arm, Extra Counterweight, and Rubber Tracks	1850-mm (6 ft. 1 in.) Long Arm, Extra Counterweight, and Steel Tracks	
With 0.22-m <sup>3</sup> (7.8 cu. ft.) Bucket, Full Fuel Tank, and 79-kg (175 lb.) Operator	6145 kg (13,547 lb.)	6245 kg (13,768 lb.)	6443 kg (14,204 lb.)	6543 kg (14,425 lb.)	
Optional Angle Blade	458 kg (1,010 lb.)				
<b>Counterweight</b>					
Standard	745 kg (1,642 lb.)				
Additional	270 kg (595 lb.)				



Operating Dimensions		60G	1500-mm (4 ft. 11 in.) Standard Arm	1850-mm (6 ft. 1 in.) Long Arm
A	Maximum Cutting Height		5.96 m (19 ft. 7 in.)	6.19 m (20 ft. 4 in.)
B	Maximum Dumping Height		4.17 m (13 ft. 8 in.)	4.41 m (14 ft. 6 in.)
C	Maximum Digging Depth		3.77 m (12 ft. 4 in.)	4.12 m (13 ft. 6 in.)
D	Maximum Digging Reach		6.23 m (20 ft. 5 in.)	6.56 m (21 ft. 6 in.)
E	Minimum Front Swing Radius		2.45 m (8 ft. 0 in.)	2.54 m (8 ft. 4 in.)
F	Transport Length		5.76 m (18 ft. 11 in.)	5.90 m (19 ft. 4 in.)
Digging Force (ISO)				
	Arm		31.1 kN (6,989 lb.)	27.0 kN (6,063 lb.)
	Bucket		41.1 kN (9,237 lb.)	41.1 kN (9,237 lb.)

Machine Dimensions		
G	Upperstructure Width	2.00 m (6 ft. 7 in.)
H	Overall Height	2.54 m (8 ft. 4 in.)
I	Track Width	400 mm (16 in.)
J	Undercarriage Width	2.00 m (6 ft. 7 in.)
K	Ground Clearance	340 mm (13 in.)
L	Tail Swing Radius	
	With Standard Arm	1.30 m (4 ft. 3 in.)
	With Long Arm and Extra Counterweight	1.41 m (4 ft. 8 in.)
M	Engine Cover Height	1.60 m (5 ft. 3 in.)
N	Maximum Blade Lift Above Ground	460 mm (18 in.)
O	Maximum Blade Drop Below Ground	370 mm (15 in.)
Blade		
	Width	2.00 m (6 ft. 7 in.)
	Height	420 mm (16 in.)
P	Sprocket Center to Idler Center	1.99 m (6 ft. 6 in.)
Q	Track Length	2.50 m (8 ft. 2 in.)
R	Counterweight Clearance	620 mm (24 in.)



Lift Capacities		Ground Level at 3.05-m (10 ft.) Radius							
Arm		Standard Counterweight and Rubber Track		Standard Counterweight and Steel Track		Extra Counterweight and Rubber Track		Extra Counterweight and Steel Track	
		Over Front*	Over Side	Over Front*	Over Side	Over Front*	Over Side	Over Front*	Over Side
1500-mm (4 ft. 11 in.) Standard		<b>3785 kg</b>	1463 kg	<b>3785 kg</b>	1490 kg	<b>3785 kg</b>	1657 kg	<b>3785 kg</b>	1683 kg
		<b>(8,345 lb.)</b>	(3,225 lb.)	<b>(8,345 lb.)</b>	(3,284 lb.)	<b>(8,345 lb.)</b>	(3,652 lb.)	<b>(8,345 lb.)</b>	(3,711 lb.)
1850-mm (6 ft. 1 in.) Long		<b>3719 kg</b>	1444 kg	<b>3719 kg</b>	1471 kg	<b>3719 kg</b>	1638 kg	<b>3719 kg</b>	1665 kg
		<b>(8,198 lb.)</b>	(3,184 lb.)	<b>(8,198 lb.)</b>	(3,243 lb.)	<b>(8,198 lb.)</b>	(3,612 lb.)	<b>(8,198 lb.)</b>	(3,671 lb.)

\*Blade down (limited by hydraulics).

# Additional equipment

Key: ● Standard ▲ Optional or special

See your John Deere dealer for further information.

35G	50G	60G	Engine
●	●	●	Meets EPA Final Tier 4/EU Stage IV emissions
●	●	●	Engine coolant to -37 deg. C (-34 deg. F)
●	●	●	Engine preheater
●	●	●	Fan guard
●	●	●	Fuel/water separator
●	●	●	Full-flow oil filter
●	●	●	Isolation mounted
●	●	●	Key start switch with electric fuel shutoff
●	●	●	Single dry-type air filter
			Hydraulic System
●	●	●	Auxiliary function right-hand pilot-lever control
●	●	●	Auxiliary hydraulic lines with quick-couplers to end of boom
●	●	●	Auxiliary return-flow selector valve
●	●	●	Axial-piston swing motor
●	●	●	Boom-swing foot control
●	●	●	Excavator-to-backhoe control pattern change valve
●			Open center with 2 variable-displacement pumps and 1 fixed-gear pump
	●	●	Closed center load sensing with 1 variable-displacement pump
●	●	●	Hydraulic pilot-operated controls for boom, arm, bucket, swing, boom swing, blade, travel, and auxiliary functions
●	●	●	Wet-disc swing brake
			Undercarriage
●	●	●	Planetary final drive
●	●	●	Propel motor shield
●	●	●	2-speed axial-piston propel motors
●			Rubber track, 300 mm (12 in.)
	●	●	Rubber track, 400 mm (16 in.)
▲			Steel track, 300 mm (12 in.) with triple semi-grousers
	▲	▲	Steel track, 400 mm (16 in.) with triple semi-grousers
▲			Rubber crawler pad, 300 mm (12 in.)
	▲	▲	Rubber crawler pad, 400 mm (16 in.)

35G	50G	60G	Upperstructure
●	●	●	360-deg. rotation
●			Counterweight, 540 kg (1,190 lb.)
	●		Counterweight, 700 kg (1,543 lb.)
		●	Counterweight, 745 kg (1,642 lb.)
●	●	●	Hinged service-access doors
	●	●	Toolbox
●	●		ROPS/TOPS/FOPS (canopy)
▲	▲	●	ROPS/TOPS/FOPS (cab) with air conditioning and heater
●	●	●	Vandal protection for service doors, fuel cap, and toolbox
●	●		Zero-tail-swing configuration
		●	Reduced-tail-swing configuration
			Front Attachments
●			Arm, 1315 mm (4 ft. 4 in.)
	●		Arm, 1380 mm (4 ft. 6 in.)
		●	Arm, 1500 mm (4 ft. 11 in.)
▲			Long arm, 1715 mm (5 ft. 8 in.), includes additional 240-kg (529 lb.) counterweight
	▲		Long arm, 1690 mm (5 ft. 7 in.), includes additional 200-kg (441 lb.) counterweight
		▲	Long arm, 1850 mm (6 ft. 1 in.), includes additional 270-kg (595 lb.) counterweight
●	●	●	Articulation hose shield
●			Backfill blade, 1.74 m (5 ft. 9 in.)
	●	●	Backfill blade, 2.00 m (6 ft. 7 in.)
▲	▲	▲	Hydraulic angle backfill blade
●			Boom, 2.465 m (8 ft. 1 in.)
	●		Boom, 2.85 m (9 ft. 4.2 in.)
		●	Boom, 2.965 m (9 ft. 9 in.)
●	●	●	Mechanical quick-coupler
▲	▲	▲	Augers: Planetary / Chain drive / Bits / Bit adapters
▲	▲	▲	Clamp
▲	▲	▲	Hammers: Points / Tools
▲	▲	▲	Quick-coupler buckets: Bucket teeth / Ditching / Heavy-duty

35G	50G	60G	Operator's Station
●	●	●	Horn
●	●	●	Hour meter
●	●	●	Instrumentation lights
●	●	●	Monitor system: Preheat indicator / Engine oil pressure indicator with alarm / Alternator voltage indicator / Fuel gauge and low-fuel-level indicator / Engine coolant temperature gauge and engine coolant temperature indicator with alarm / Hour meter / Work lights indicator
●	●	●	Motion alarm with cancel switch
●	●	●	Work lights switch
●	●	●	Propel levers and foldable pedals
●	●	●	2 travel speeds with automatic shifting
●	●	●	Seat belt, 51 mm (2 in.), retractable
▲	▲	▲	Seat belt, 76 mm (3 in.), retractable
●	●		Vinyl seat with fore/aft adjustment
▲	▲	●	Suspension seat (cloth)
▲	▲	▲	Front screen
▲	▲	▲	Rear secondary exit kit
			Electrical
●	●	●	12-volt accessory outlet
●	●	●	Alternator, 55 amp
●	●	●	Low-maintenance battery
●	●	●	Blade-type multi-fused circuits
●	●	●	Positive-terminal battery covers
▲	▲	▲	JDLINK™ wireless communication system (available in specific countries; see your dealer for details)
			Lights
●	●	●	Work lights: Halogen / 1 mounted on operator's station / 1 mounted on boom

Net engine power is with standard equipment including air cleaner, exhaust system, alternator, and cooling fan at test conditions per ISO 9249. These machines are not equipped with spark-arrestor mufflers. Usage in forestry applications is not recommended. Specifications and design subject to change without notice. Wherever applicable, specifications are in accordance with SAE standards. Except where otherwise noted, these specifications are based on units with standard arms, full fuel tanks, and 79-kg (175 lb.) operators; a 35G canopy unit with 610-mm (24 in.), 0.11-m<sup>3</sup> (4.0 cu. ft.) bucket, 300-mm (12 in.) rubber track, and 540-kg (1,190 lb.) counterweight; a 50G canopy unit with 610-mm (24 in.), 0.16-m<sup>3</sup> (5.7 cu. ft.) bucket, 400-mm (16 in.) rubber track, and 700-kg (1,543 lb.) counterweight; and a 60G cab unit with 0.19-m<sup>3</sup> (6.8 cu. ft.) bucket, 400-mm (16 in.) rubber track, and 745-kg (1,642 lb.) counterweight.

