

G-SERIES
COMPACT EXCAVATORS



JOHN DEERE

30G

JESCO
THE DOWN-TO-EARTH EQUIPMENT PEOPLE™



**COMPACT
AND VERSATILE**



30G SPECIFICATIONS

Engine		30G
Manufacturer and Model		Yanmar 3TNV88F-EPHB
Non-Road Emission Standard		EPA Final Tier 4/EU Stage IV
Displacement		1.642 L (100.2 cu. in.)
Net Rated Power (ISO 9249)		17.4 kW (23 hp) at 2,400 rpm
Powertrain		
2-speed propel with automatic shift		
Maximum Travel Speed		
Low		2.8 km/h (1.7 mph)
High		4.3 km/h (2.7 mph)
Swing Speed, Right and Left		9.1 rpm
Swing Brake		Spring applied, hydraulically released, automatic, disc type
Hydraulics		
Open center, pilot operated, with 2 variable-displacement pumps and single-gear pilot pump		
Maximum Rated Flow		
Main Pumps		2 x 38.4 L/m (2 x 10.1 gpm)
Pilot Pump		22.8 L/m (6.0 gpm)
Auxiliary Hydraulics		61.2 L/m (16.2 gpm)
Controls		Pilot levers; short-stroke, low-effort hydraulic pilot controls with shutoff lever
Electrical		
Alternator Rating		55 amp
Work Lights		2 halogen, 1 mounted on operator station, and 1 mounted on boom
Undercarriage		
Planetary final drives with axial-piston motors; propel motor shields		
Track-Shoe Width, Standard Configuration		300 mm (11.8 in.)
Ground Pressure with 300-mm (12 in.) Triple Semi-Grouser Shoes		
Canopy		28 kPa (4.1 psi)
Cab		30 kPa (4.4 psi)
Upperstructure		
Maximum Boom-Swing Angle	Canopy	Cab
Left	72 deg.	62 deg.
Right	62 deg.	62 deg.
Serviceability		
Refill Capacities		
Fuel Tank		42.0 L (11.1 gal.)
Engine Coolant		5.0 L (1.3 gal.)
Engine Oil with Filter		7.2 L (1.9 gal.)
Travel Gearcase (each; qty. 2)		0.60 L (0.6 qt.)
Hydraulic System		56.0 L (14.8 gal.)
Hydraulic Tank		43.0 L (11.4 gal.)
Operating Weights		
With 328-kg (723 lb.) Counterweight, Standard Front Attachments, Full Fuel Tank, and 75-kg (165 lb.) Operator		
300-mm (12 in.) Rubber Track (canopy with operator)		3105 kg (6,850 lb.)
300-mm (12 in.) Rubber Track (cab with operator)		3275 kg (7,220 lb.)

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SPECIFICATIONS



Operating Dimensions

30G

1.17-m (3 ft. 10 in.) Standard Arm and
Standard Counterweight

	Canopy	Cab
A Maximum Cutting Height	4.62 m (15 ft. 2 in.)	4.42 m (14 ft. 6 in.)
B Maximum Dumping Height	3.20 m (10 ft. 6 in.)	3.03 m (9 ft. 11 in.)
C Maximum Digging Depth	2.79 m (9 ft. 2 in.)	2.79 m (9 ft. 2 in.)
D Maximum Digging Reach	4.89 m (16 ft. 1 in.)	4.89 m (16 ft. 1 in.)
E Minimum Boom-Swing Radius	1.58 m (5 ft. 2 in.)	1.82 m (6 ft. 0 in.)
F Transport Length	4.45 m (14 ft. 7 in.)	4.45 m (14 ft. 7 in.)

Machine Dimensions

Blade

Width 1740 mm (5 ft. 9 in.)

Height 373 mm (15 in.)

G Upperstructure Width 1.55 m (5 ft. 1 in.)

H Overall Height, Canopy or Cab 2.48 m (8 ft. 2 in.)

I Track Width 300 mm (12 in.)

J Undercarriage Width 1.55 m (5 ft. 1 in.)

K Ground Clearance 280 mm (11 in.)

L Tail-Swing Radius (with standard
arm) 775 mm (31 in.)

M Engine Cover Height 1.53 m (5 ft. 0 in.)

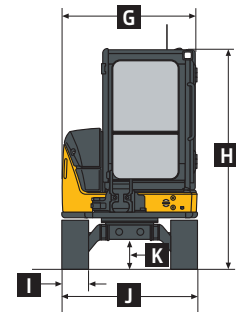
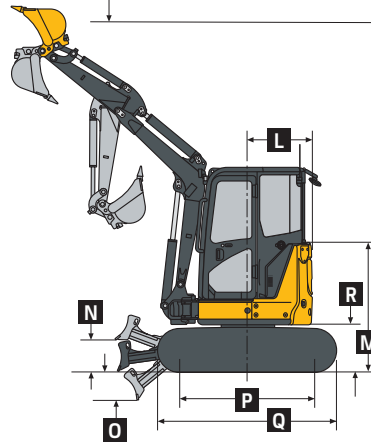
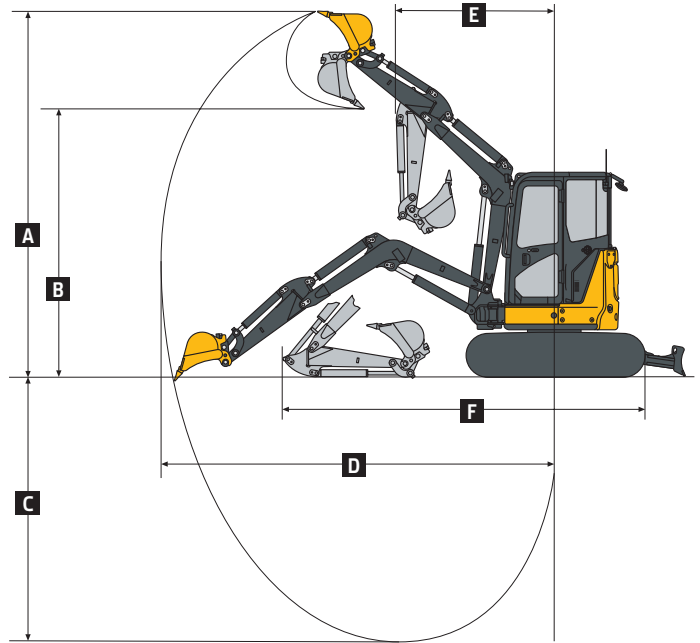
N Maximum Blade Lift Above Ground 360 mm (14 in.)

O Maximum Blade Drop Below Ground 360 mm (14 in.)

P Sprocket Center to Idler Center 1.66 m (5 ft. 5 in.)

Q Undercarriage Length 2.11 m (6 ft. 11 in.)

R Counterweight Clearance 0.55 m (22 in.)



Lift Capacities

Boldface type indicates hydraulically limited capacities; lightface type indicates stability-limited capacities, in kg (lb.). All lift capacities are based on ISO 10567 (with power boost). Machine situated on firm, level, uniform supporting surface. Total load includes weight of cables, hook, etc. Figures do not exceed 87% of hydraulic capacity or 75% of weight needed to tip machine.

1.17-m (3 ft. 10 in.) Arm, 81.5-kg (180 lb.)

	Canopy, Blade on Ground, Over Front*	Canopy, Blade on Ground, Over Side	Cab, Blade on Ground, Over Front*	Cab, Blade on Ground, Over Side
Bucket, 328-kg (723 lb.) Counterweight, and 300-mm (12 in.) Track Shoe				
Ground Level at 3.0-m (10 ft.) Radius	1440 kg (3,170 lb.)	480 kg (1,050 lb.)	1440 kg (3,170 lb.)	510 kg (1,124 lb.)

*Blade down (limited by hydraulics).

Additional equipment

Key: ● Standard ▲ Optional or special

See your John Deere dealer for further information.

17G	26G	30G	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
●	●		Under-hood muffler
		●	Auto-idle
		●	Auto shutdown
Hydraulic System			
●			Auxiliary function foot control
	●	●	Auxiliary function right-hand pilot-lever control
●	●	●	Auxiliary hydraulic lines to end of boom
		▲	Auxiliary hydraulic lines with quick-couplers to end of boom
	●	●	Auxiliary selector valve
●	●	●	Axial-piston swing motor
●	●	●	Boom-swing foot control
●	●	●	Excavator-to-backhoe control pattern change valve
●	●	●	Open center with 2 variable-displacement pumps, 1 fixed-gear pump, and 1 pilot pump
●	●		Hydraulic pilot-operated controls for boom, arm, bucket, swing, boom swing, blade, and travel
		●	Hydraulic pilot-operated controls for boom, arm, bucket, swing, boom swing, blade, travel, and auxiliary functions
●	●	●	Wet-disc swing brake
Undercarriage			
●			Hydraulic-adjustable variable width
●	●	●	Planetary final drive
●	●	●	Propel motor shield

17G	26G	30G	Undercarriage (continued)
●	●	●	2-speed axial-piston propel motors
●			Rubber track, 230 mm (9 in.)
	●	●	Rubber track, 300 mm (12 in.)
Upperstructure			
●	●	●	360-deg. rotation
●			Counterweight, 120 kg (265 lb.)
	●		Counterweight, cab, 208 kg (459 lb.)
	●		Counterweight, canopy, 241 kg (531 lb.)
		●	Counterweight, 328 kg (723 lb.)
●	●	●	Hinged service-access doors
●	●	●	ROPS/TOPS/FOPS (canopy)
	▲		ROPS/TOPS/FOPS (cab) with heater
		▲	ROPS/TOPS/FOPS (cab) with air conditioning and heater
●	●		Vandal protection for service doors and fuel cap
		●	Vandal protection for service doors, fuel cap, and toolbox
●	●	●	Reduced-tail-swing configuration
Front Attachments			
●			Arm, 0.93 m (3 ft. 1 in.)
	●	●	Arm, 1.17 m (3 ft. 10 in.)
●			Backfill blade, 0.98 m (3 ft. 3 in.) minimum to 1.28 m (4 ft. 2 in.) maximum
	●		Backfill blade, 1.50 m (4 ft. 11 in.)
		●	Backfill blade, 1.74 m (5 ft. 9 in.)
●			Boom, 1.82 m (6 ft. 0 in.)
	●		Boom, 2.10 m (6 ft. 11 in.)
	●		Boom, 2.465 m (8 ft. 1 in.)
●	●	●	Mechanical quick-coupler
▲			Augers: Chain drive / Bits / Bit adapters
	▲	▲	Augers: Planetary / Chain drive / Bits / Bit adapters
▲	▲	▲	Clamp
▲	▲	▲	Hammers: Points / Tools
▲	▲	▲	Quick-coupler buckets: Bucket teeth / Ditching / Heavy-duty
Operator's Station			
●	●	●	Horn
●	●	●	Hour meter

17G	26G	30G	Operator's Station (continued)
●	●	●	Instrumentation lights
	●	●	Mode selectors (illuminated): Power mode (1) / Eco mode (1)
●	●		Monitor system: Preheat indicator / Engine oil pressure warning light / Alternator charge warning light / Fuel gauge and low-fuel-level indicator / Engine coolant warning light and alarm / Hour meter / Work lights indicator
		●	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
	●	●	Propel levers and foldable pedals
●			2 travel speeds
	●	●	2 travel speeds with automatic shifting
●	●	●	Seat belt, 51 mm (2 in.), retractable
		▲	Seat belt, 76 mm (3 in.), retractable
●	●	●	Suspension seat, vinyl, with fore/aft adjustment
		▲	Suspension seat, cloth (cab only)
▲	▲	▲	Front screen
Electrical			
●	●	●	12-volt accessory outlet
●	●		Alternator, 40 amp
		●	Alternator, 55 amp
●	●	●	Low-maintenance battery
●	●	●	Blade-type multi-fused circuits
●	●	●	Positive-terminal battery covers
Lights			
●			Work lights: 1 mounted on boom
	●	●	Work lights: Halogen / 1 mounted on operator's station / 1 mounted on boom

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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 canopy units with standard arms; full fuel tanks; and 79-kg (175 lb.) operators; a 17G unit with 406-mm (16 in.) bucket, 230-mm (9 in.) rubber track, and 120-kg (265 lb.) counterweight; a 26G unit with 457-mm (18 in.) bucket, 300-mm (12 in.) rubber track, and 208-kg (459 lb.) cab counterweight or 241-kg (531 lb.) canopy counterweight; and a 30G unit with 300-mm (12 in.) rubber track and 328-kg (723 lb.) counterweight.

