17G

Compact Excavator

JOHN DEERE





DIG THIS BIG "SMALL" IDEA

Working within close lot lines and tight deadlines, you need to get the most from your "mini" machine. Driven to deliver a compact excavator that provides big productivity and outsized versatility, we enhanced our capable 17G to boast impressive lift capacity and bucket, arm, and breakout forces. And we reimagined the proven standard and optional advantages you've come to expect from the John Deere G-Series. Armed to handle a wide range of underground, building, landscape, and site-development tasks, the 17G is also ideal for most rental fleets. Try it on for size.



FEATURES



Get back to it
Standard backfill blade enables the 17G to grade and fill, boosting machine versatility and stability when using attachments or working on uneven terrain.

Work, run, repeat
Reduced-tail-swing design maximizes maneuverability and performance in cramped places and tight spaces. Compact stature enables easy transport between jobsites, perfect for "dig-and-go" projects.

Movable muscle
Variable-width undercarriage and foldable blade can be hydraulically retracted to navigate narrow pathways and close quarters, then easily repositioned for surefooted agility, to operate where handwork used to be required.

Comfortable and in command
Spacious operator station has a wide entryway and backhoe- to excavator-style controls. Pilot-control levers enable operator control of functions including boom, bucket, arm, and swing. Optional four-season cab features front glass that delivers expansive visibility.

As tough as they come
Heavy-duty side shields deflect material and impacts, protecting propel motors and boom/blade cylinders. Securely clamped steel hydraulic lines and CORDURA® covering on rubber hoses provide extra durability. Box-constructed X-frame and track frames are rock solid and rugged.

Put your connections to work
Wedge-style coupler enables quick changes and accepts a wide variety of buckets and attachments, such as hydraulic hammers, plate compactors, and augers.

Handle the load
Track speeds automatically slow to low whenever a heavier load is encountered, then return to high when the load normalizes.

See what you can do
Conveniently located in a compartment beneath the seat, control pattern selector valve includes a sight glass that displays the selected pattern.

Maintenance matters
Hinged door provides wide-open access to the side-by-side oil cooler and radiator. Cooler system is designed to resist trash buildup and allow quick and easy core cleanout. Extended service intervals allow the machine to work longer before maintenance is needed.

Underneath it all
Track-sag adjuster conveniently located in the center of each track frame makes it easy to maintain proper track tension and maximize undercarriage wear life using only a standard high-pressure grease gun.











ACCEPTS ATTACHMENTS COMMON TO OTHER DEERE COMPACTS

Make the most of your investment
Already own some John Deere attachments? Many models including buckets, hydraulic hammers, and augers also work on other compact machines so you can redefine fleet utilization — and your bottom line.

Remote diagnostics and support
To maximize uptime and lower costs, JDLink™ connectivity provides machine location, utilization data, and alerts to help you maximize productivity and efficiency. JDLink also enables John Deere Connected Support™. Dealers use Expert Alerts based on data from thousands of connected machines to proactively address conditions that may otherwise likely lead to downtime. Your dealer can also monitor machine health and leverage remote diagnostics and programming capability to further diagnose problems and even update machine software without a time-consuming trip to the jobsite.*

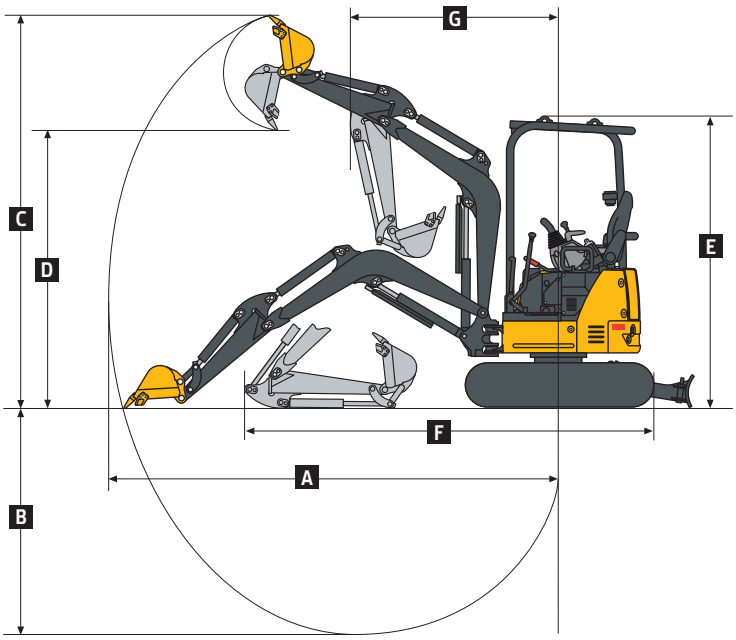
*Availability varies by region. Options not available in every country.

17G *COMPACT EXCAVATOR SPECIFICATIONS*

Engine	**17G**		
Manufacturer and Model	Yanmar 3TNV74F	Displacement	0.99 L (61 cu. in.)
Non-Road Emission Standard	EPA Final Tier 4/EU Stage IV	Net Power (ISO 9249)	10.8 kW (14.5 hp) at 2,400 rpm
Powertrain			
Each track independently driven by hydrostatic axial-piston motor connected to 2-stage planetary gear reduction box			
Maximum Travel Speed		Swing Speed	9.4 rpm
Low	2.4 km/h (1.5 mph)	Swing Brake	Spring applied, hydraulically released, automatic
High	4.2 km/h (2.6 mph)		
Hydraulics			
Open center with 2 variable-displacement pumps, 1 fixed-gear pump, and 1 pilot pump		Auxiliary Flow	29.9 L/m (7.9 gpm)
Pump Flow		Controls	Hydraulic pilot operated for boom, arm, bucket, swing, boom swing, blade, travel, and auxiliary functions
Piston	2 x 19.2 L/m (2 x 5.1 gpm)		
Gear	10.98 L/m (2.9 gpm)		
Electrical			
Alternator Rating	40 amp		
Work Lights	1 mounted on boom		
Undercarriage			
Planetary final drive; 2-speed axial-piston propel motors			
Tracks, Rubber	230 mm (9 in.)		
Ground Pressure With Rubber Track	26.6 kPa (3.9 psi)		
Upperstructure			
Independent Swing Boom		Counterweight, Standard	120 kg (265 lb.)
Left	70 deg.	Rear Overhang	40 mm (2 in.)
Right	50 deg.		
Serviceability			
Refill Capacities		**Refill Capacities *(continued)***	
Fuel Tank	20.06 L (5.3 gal.)	Engine Oil With Filter	3.10 L (3.3 qt.)
Cooling System	2.7 L (2.9 qt.)	Hydraulic Tank	14.01 L (3.7 gal.)
Operating Weight			
With 0.93-m (3 ft. 1 in.) Standard Arm, Standard Counterweight, Rubber Track, Full Fuel Tank, and 79-kg (175 lb.) Operator	1720 kg (3,790 lb.)		

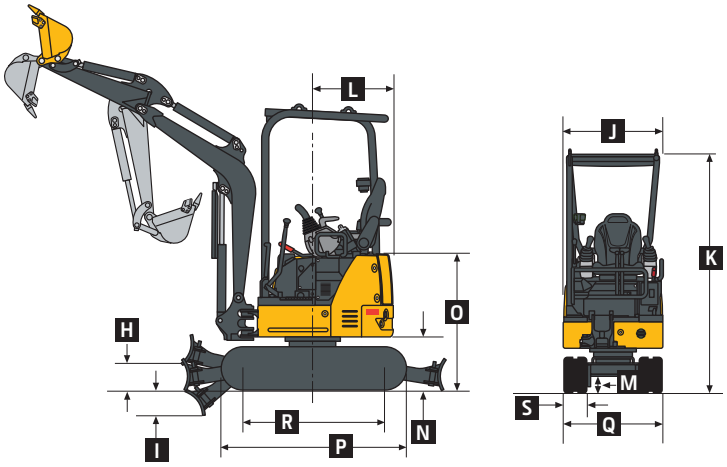
Operating Dimensions

		0.93-m (3 ft. 1 in.) Standard Arm and Standard Counterweight
A	Maximum Digging Reach	3.81 m (12 ft. 6 in.)
B	Maximum Digging Depth	2.19 m (7 ft. 2 in.)
C	Maximum Cutting Height	3.54 m (11 ft. 7 in.)
D	Maximum Dumping Height	2.51 m (8 ft. 3 in.)
E	Transport Height	2.38 m (7 ft. 10 in.)
F	Overall Length (blade in front)	3.50 m (11 ft. 6 in.)
G	Minimum Swing Radius	1.53 m (5 ft. 0 in.)
H	Blade Bottom Highest Position *(see line art at top right of page 7)*	0.29 m (11 in.)
I	Blade Bottom Lowest Position *(see line art at top right of page 7)*	0.23 m (9 in.)
	Boom-Swing Pivot-Offset Distance	0.11 m (4 in.)
	Offset Distance	
	Left	0.36 m (14 in.)
	Right	0.56 m (22 in.)
	Digging Force	
	Bucket	16.0 kN (3,597 lb.)
	Arm	8.6 kN (1,933 lb.)



While general information, pictures, and descriptions are provided, some illustrations and text may include product options and accessories NOT AVAILABLE in all regions, and in some countries products and accessories may require modifications or additions to ensure compliance with the local regulations of those countries.

Machine Dimensions		17G
	Blade	
	Width	
	Minimum	0.98 m (3 ft. 3 in.)
	Maximum	1.28 m (4 ft. 2 in.)
	Height	260 mm (10.2 in.)
J	Upperstructure Width	0.99 m (3 ft. 3 in.)
K	Overall Height	2.38 m (7 ft. 10 in.)
L	Rear-End Swing Radius	0.68 m (2 ft. 3 in.)
M	Minimum Ground Clearance	0.165 m (6 in.)
N	Counterweight Height	0.45 m (18 in.)
O	Engine Cover Height	1.15 m (3 ft. 9 in.)
P	Undercarriage Length	1.57 m (5 ft. 2 in.)
Q	Undercarriage Width	
	Minimum	0.98 m (3 ft. 3 in.)
	Maximum	1.28 m (4 ft. 2 in.)
R	Sprocket Center to Idler Center	1.21 m (4 ft. 0 in.)
S	Track Shoe Width	0.23 m (9 in.)



Lift Capacities		
0.93-m (3 ft. 1 in.) Standard Arm, Standard Counterweight, and Rubber Track	*Over Front**	*Over Side*
Ground Level at 3.0-m (10 ft.) Radius	471 kg (1,015 lb.)	217 kg (470 lb.)

**Blade down (limited by hydraulics).*

Additional equipment

Key: ● Standard ▲ Optional or special — See your John Deere dealer for further information.

17G	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
	Hydraulic System
●	Auxiliary function foot control
●	Auxiliary hydraulic lines to end of boom
●	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
●	Wet-disc swing brake

17G	Undercarriage
●	Hydraulic-adjustable variable width
●	Planetary final drive
●	Propel motor shield
●	2-speed axial-piston propel motors
●	Rubber track, 230 mm (9 in.)
	Upperstructure
●	360-deg. rotation
●	Counterweight, 120 kg (265 lb.)
●	Hinged service-access doors
●	ROPS/TOPS/FOPS (canopy)
●	Vandal protection for service doors and fuel cap
●	Reduced-tail-swing configuration
	Front Attachments
●	Arm, 0.93 m (3 ft. 1 in.)
●	Backfill blade, 0.98 m (3 ft. 3 in.) minimum to 1.28 m (4 ft. 2 in.) maximum
●	Boom, 1.82 m (6 ft. 0 in.)
●	Mechanical quick-coupler
▲	Augers: Chain drive / Bits / Bit adapters
▲	Clamp
▲	Hammers: Points / Tools
▲	Quick-coupler buckets: Bucket teeth / Ditching / Heavy-duty

17G	Operator's Station
●	Horn
●	Hour meter
●	Instrumentation lights
●	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
●	Motion alarm with cancel switch
●	Work lights switch
●	Propel levers
●	2 travel speeds
●	Seat belt, 51 mm (2 in.), retractable
●	Suspension seat, vinyl, with fore/aft adjustment
▲	Front screen
	Electrical
●	12-volt accessory outlet
●	Alternator, 40 amp
●	Low-maintenance battery
●	Blade-type multi-fused circuits
●	Positive-terminal battery covers
	Lights
●	Work lights: 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 a canopy unit with standard arm, 406-mm (16 in.) bucket, 230-mm (9 in.) rubber track, 120-kg (265 lb.) counterweight, full fuel tank, and 79-kg (175 lb.) operator.



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