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Compact Excavator



JOHN DEERE





DIG THIS BIG “SMALL” IDEA

When you work within close lot lines and tight deadlines, your “mini” machine needs to deliver outsized versatility and productivity. So we enhanced the proven standard and optional advantages the John Deere P-Tier compact excavator lineup is known for. Designed to handle a wide range of underground, professional landscaping, and residential plumbing tasks, the 17 P-Tier provides more bucket and arm breakout forces and lift capacity than the previous comparable model. It’s simple to service and operate. And it’s easy to load and transport on a standard trailer, making it ready to round out most rental fleets. So try this capable compact on for size.

17 P-TIER COMPACT EXCAVATOR

FEATURES

Muscle that moves

Undercarriage can be hydraulically retracted to navigate narrow pathways and close quarters, then easily repositioned for sure-footed agility, to operate where handwork used to be required. Just remove the pins to manually fold the blade wings in or out to match the width of the undercarriage.

Work, run, repeat

Reduced-tail-swing design and standard swing boom maximize maneuverability and performance in cramped places and tight spaces. Compact stature permits easy transport between jobsites, perfect for “dig-and-go” projects.

Get back to it

Standard backfill blade enables the 17 P-Tier to both backfill and grade, boosting machine versatility and stability when using attachments or working on uneven terrain.

Comfortable and in command

Spacious operator station has a wide entry-way and switchable backhoe/excavator control patterns. Pilot control levers enable operators to take command of machine functions including boom, bucket, arm, and swing.

It's easy to get attached

The 17 P-Tier can be equipped from the factory with one or two sets of auxiliary hydraulic lines to meet the need, whether the job calls for an attachment with multiple hydraulic functions or dedicated auxiliary lines. Auxiliary hydraulics are controlled by rollers on the joystick, with flow-adjustment knobs under the armrest allowing simple on-the-fly changes.

Maintenance matters

Hinged door, foldable seat, and handy battery location open up additional access to service components. Simple primary display lets you track service intervals and job times. New maintenance tracker within the monitor lets you keep an eye on routine checkpoints and plan service to boost uptime. Debris-resistant cooler system and extended service intervals help you work long and strong.



**NEW LONG-ARM OPTION
DELIVERS 7" MORE DIGGING DEPTH
& 6" MORE DIGGING REACH
OVER STANDARD ARM**

Reach out

Choose either a three-foot one-inch standard arm or a three-foot seven-inch long arm with up to five different configurations to suit the application.

Underneath it all

Conveniently located in the center of each track frame, track-sag adjuster needs only periodic application from a standard high-pressure grease gun to maintain proper track tension and minimize undercarriage wear.

Durable protection

Heavy-duty side shields deflect material to help protect the propel motors. Boom cylinder is securely positioned above the boom. Clamped-steel hydraulic lines and covered rubber hoses are designed for durability. Box-constructed X-frame and track frames are rock solid and rugged.

Lever activation

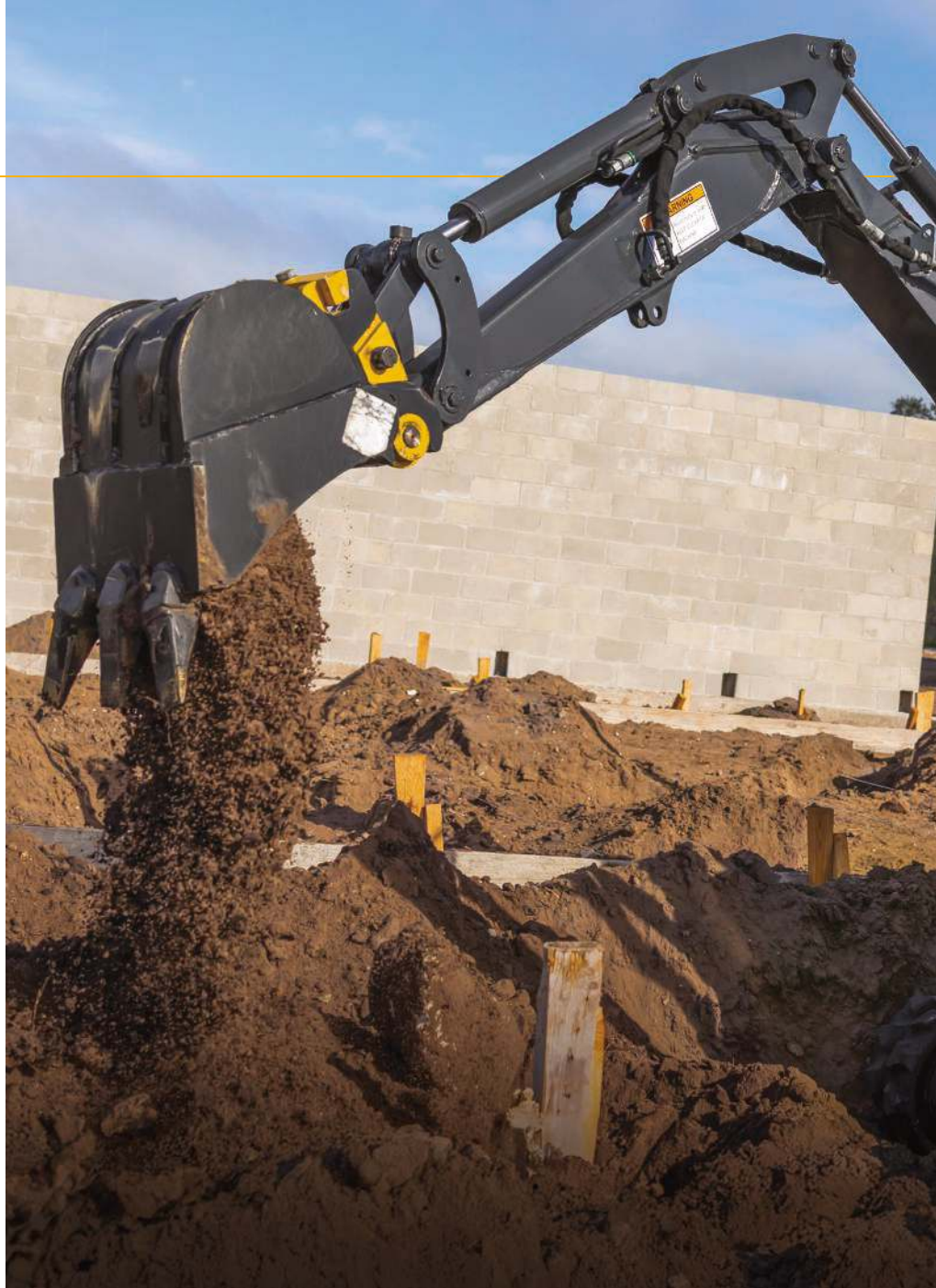
One-way/two-way selectable auxiliary flow, control pattern selector valve, pattern changer, and retractable undercarriage levers are all conveniently positioned within easy reach beneath the seat.

Take it on

Factory-installed brackets make installing a thumb to grasp, hold, and maneuver hard-to-handle materials like large rocks and yard debris a breeze.

Pick your pace

With a simple press of a switch, operators can take the machine from low-turtle to high-rabbit speed, to maximize tractive effort, match travel speed to the job, or work more quickly.



17 P-TIER COMPACT EXCAVATOR



SLIM 3' 3"
MINIMUM
UNDERCARRIAGE WIDTH

Connected machines

John Deere construction equipment comes with in-base **JDLink™ connectivity — standard from the factory** and free from subscriptions or annual renewals. Track utilization and machine location from **the John Deere Operations Center™**. The Operations Center also enables John Deere Connected Support™, which uses data from thousands of connected machines to help proactively address issues. With your approval, your dealer can also remotely monitor machine health, diagnose problems, and even update machine software without a trip to the jobsite.*

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





Engine		17 P-TIER	
Manufacturer and Model	Yanmar 3TNV80F-NPWN		
Non-Road Emission Standard	EPA Final Tier 4		
Displacement	1.27 L (77.3 cu. in.)		
Gross Power (ISO 14396)	14.26 kW (19.12 hp) at 2,200 rpm		
Net Power (ISO 9249)	13.81 kW (18.52 hp) at 2,200 rpm		
Powertrain			
Each track independently driven by hydrostatic axial-piston motor connected to 2-stage planetary gear reduction box			
Maximum Travel Speed			
Low	2.6 km/h (1.62 mph)		
High	4.5 km/h (2.80 mph)		
Hydraulics			
Closed center with 1 variable-displacement pump			
Maximum Rated Flow	39.6 L/m (10.5 gpm)		
Auxiliary I	35.5 L/m (9.4 gpm)		
Auxiliary II	35.3 L/m (9.3 gpm)		
Maximum Operating Pressure	24 000 kPa (3,481 psi)		
Controls	2 hydraulic pilot-operated controls for boom, arm, bucket, and swing		
Electrical			
Alternator Rating	40 amp		
Work Lights	1 LED mounted on boom / 3 additional LED available from service parts: 2 mounted on front of operator station and 1 mounted on rear of operator station		
Undercarriage			
Propel motor shields			
Track			
Type	Rubber		
Width	230 mm (9.06 in.)		
	0.94-m (3 ft. 1 in.) Standard Arm and Standard Counterweight		
	1.10-m (3 ft. 7 in.) Long Arm and Extra Counterweight		
Ground Pressure With Rubber Track and Canopy	27 kPa (3.9 psi) 28 kPa (4.1 psi)		
Upperstructure			
Swing Speed	9.5 rpm		
Independent Swing Boom			
Left	65 deg.		
Right	57 deg.		
Rear Overhang			
Without Extra Counterweight	0 mm (0 in.)		
With Extra Counterweight	75 mm (3 in.)		
Serviceability			
Refill Capacities			
Fuel Tank	22.3 L (5.9 gal.)		
Engine Coolant System	5.7 L (1.5 gal.)		
Engine Oil With Filter	3.4 L (0.9 gal.)		
Hydraulic Tank	11.0 L (2.9 gal.)		
Operating Weights			
	0.94-m (3 ft. 1 in.) Standard Arm and Standard Counterweight		
	1.10-m (3 ft. 7 in.) Long Arm and Extra Counterweight		
With Canopy, 458-mm (18 in.) Bucket, Rubber Track, Full Fuel Tank, and 79-kg (175 lb.) Operator	1778 kg (3,920 lb.) 1834 kg (4,043 lb.)		
Counterweight	N/A standard 50.7 kg (111.8 lb.) extra		

Images and descriptions are for general information only. Some illustrations may depict product options or accessories NOT AVAILABLE in all regions or may require modifications to meet local regulations. Images of equipment models may be digitally or AI generated, are for illustration purposes only, and may not reflect actual products, features, options, or attachments. Equipment availability may be limited. Net engine power is with standard equipment including air cleaner, exhaust system, alternator, and cooling fan at test conditions per ISO 9249. This machine is not equipped with spark-arrestor muffler. Usage in forestry applications is not recommended. No derating is required up to 3050-m (10,000 ft.) altitude. Specifications and designs are subject to change without notice and, where applicable, are in accordance with SAE standards. Unless otherwise noted, specifications are based on a canopy unit with standard arm, 458-mm (18 in.) bucket, 230-mm (9 in.) rubber track, 146-kg (322 lb.) standard counterweight, fixed-pin coupler, full fuel tank, and 79-kg (175 lb.) operator. For complete details, contact your John Deere dealer.

17 P-TIER COMPACT EXCAVATOR SPECIFICATIONS

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Operating Dimensions

17 P-TIER

0.94-m (3 ft. 1 in.)

Standard Arm and

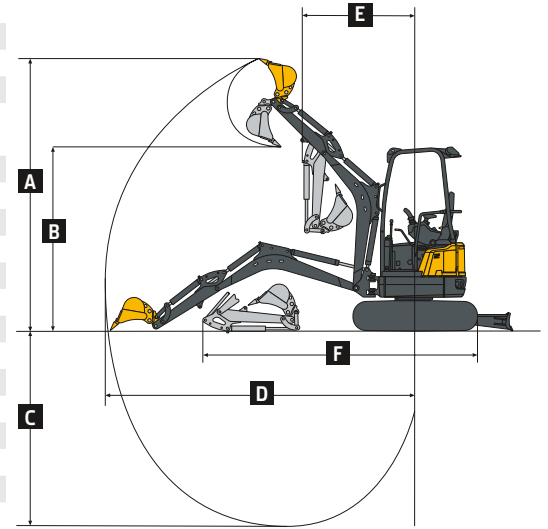
Standard Counterweight

1.10-m (3 ft. 7 in.) Long Arm

and Extra Counterweight

With Canopy, Rubber Track, and Coupler

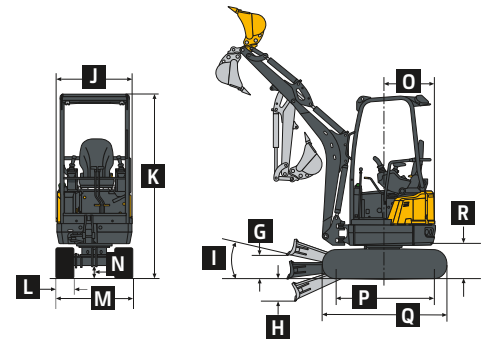
A Maximum Cutting Height	3.51 m (11 ft. 6 in.)	3.63 m (11 ft. 11 in.)
B Maximum Dumping Height	2.37 m (7 ft. 9 in.)	2.48 m (8 ft. 2 in.)
C Maximum Digging Depth	2.39 m (7 ft. 10 in.)	2.55 m (8 ft. 5 in.)
C¹ Maximum Digging Depth at 2.44-m (8 ft. 0 in.) Flat Bottom	1.74 m (5 ft. 8 in.)	1.97 m (6 ft. 5 in.)
C^{II} Maximum Vertical Wall Digging Depth	1.21 m (4 ft. 0 in.)	1.35 m (4 ft. 5 in.)
D Maximum Digging Reach	3.97 m (13 ft. 0 in.)	4.12 m (13 ft. 6 in.)
D^I Maximum Reach at Ground Level	3.92 m (12 ft. 10 in.)	4.08 m (13 ft. 4 in.)
E Minimum Front Swing Radius	1.65 m (5 ft. 5 in.)	1.65 m (5 ft. 5 in.)
F Overall Length (blade in front)	3.58 m (11 ft. 9 in.)	3.55 m (11 ft. 8 in.)
Digging Force Without Coupler		
Bucket	19.3 kN (4,338.8 lbf)	19.3 kN (4,338.8 lbf)
Arm	9.4 kN (2,106.5 lbf)	8.3 kN (1,872.7 lbf)
G Maximum Blade Lift Above Ground	0.27 m (11 in.)	0.27 m (11 in.)
H Maximum Blade Drop Below Ground	0.39 m (15 in.)	0.39 m (15 in.)
I Blade Lift Angle	24 deg.	24 deg.
Blade Width		
Minimum	0.99 m (3 ft. 3 in.)	0.99 m (3 ft. 3 in.)
Maximum	1.30 m (4 ft. 3 in.)	1.30 m (4 ft. 3 in.)
Blade Height	0.23 m (9 in.)	0.23 m (9 in.)



Machine Dimensions

0.94-m (3 ft. 1 in.) Standard Arm and Standard Counterweight / 1.10-m (3 ft. 7 in.) Long Arm and Extra Counterweight

J Upperstructure Width	0.98 m (3 ft. 3 in.)
K Overall Height, Canopy	2.37 m (7 ft. 9 in.)
L Track Width	0.23 m (9 in.)
M Undercarriage Width	
Minimum	0.99 m (3 ft. 3 in.)
Maximum	1.30 m (4 ft. 3 in.)
N Ground Clearance	0.16 m (6 in.)
O Tail Swing Radius	0.66 m (26 in.)
Tail Swing Radius With Extra Counterweight	0.73 m (29 in.)
P Sprocket Center to Idler Center	1.22 m (4 ft. 0 in.)
Q Undercarriage Length	1.61 m (5 ft. 3 in.)
R Counterweight Clearance	0.44 m (17 in.)



Lift Capacities

Boldface type indicates hydraulically limited capacity; lightface type indicates stability-limited capacities, in kg (lb.). All lift capacities are based on ISO 10567. Ratings are at bucket pin; with 230-mm (9 in.) track width and blade on ground; and situated on firm, level, uniform supporting surface. Total load includes weight of any attachment including coupler, bucket, cables, hook, etc. Figures do not exceed 87 percent of hydraulic capacities or 75 percent of weight needed to tip machine.

Ground Level at 3.0-m (10 ft.) Radius

Over Front, Blade Down (limited by hydraulics)

Over Side

With Canopy and Rubber Track

0.94-m (3 ft. 1 in.) Standard Arm and Standard Counterweight	493 kg (1,086.9 lb.)	208 kg (458.6 lb.)
1.10-m (3 ft. 7 in.) Long Arm and Extra Counterweight	497 kg (1,095.7 lb.)	225 kg (496.0 lb.)

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