

35G Excavator

17.4 kW (23.3 net hp)



JOHN DEERE

FEATURES

Meets EPA Final Tier 4 (FT4)/EU Stage IV engine standards without an after-treatment device. 24-percent increase in fuel efficiency in power mode.

Larger front windshield provides even better visibility; wider entryway eases entrance to/exit from the more spacious operator station.

Multifunction monitor displays vital machine operating info, tracks engine and hydraulic oil maintenance intervals, and provides access to auto shutdown and economy/power modes.

Standard joystick pattern changer and auxiliary hydraulics.

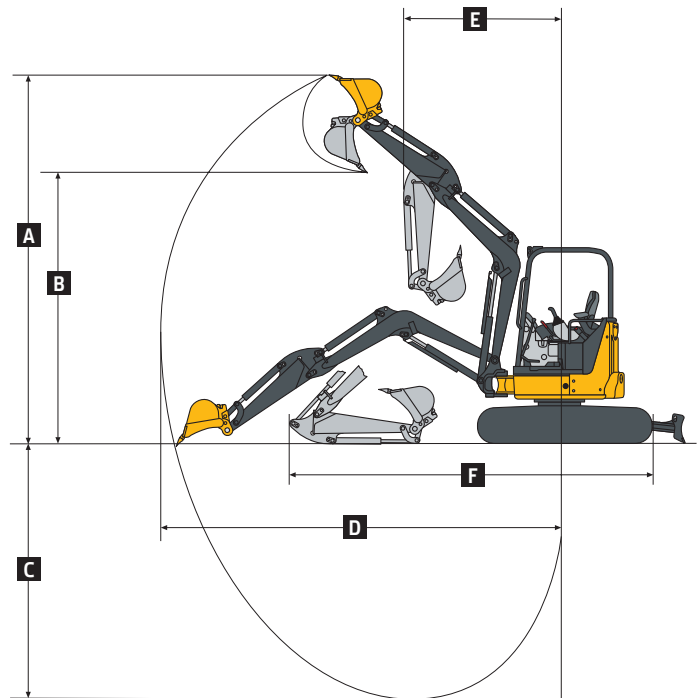
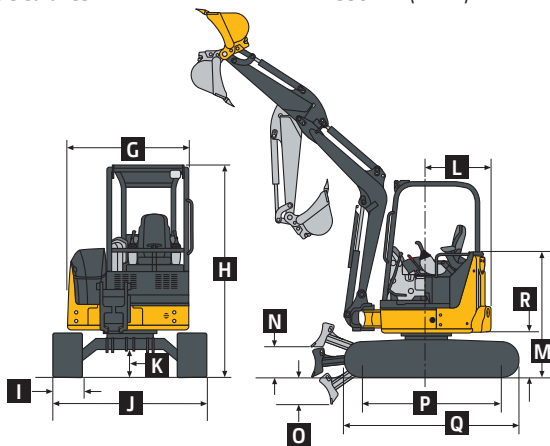
Additional service door provides easy access to side-by-side cooler cores, fuel filter/water separator, coolant overflow reservoir, battery, and Service ADVISOR™ connection.



Engine	35G		
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 Power (ISO 9249)	17.4 kW (23.3 hp) at 2,400 rpm		
Powertrain			
Maximum Travel Speed			
Low	2.8 km/h (1.7 mph)		
High	4.3 km/h (2.7 mph)		
Hydraulics			
Pump Flow			
Piston (P1+P2)	2 x 38.4 L/m (2 x 10.1 gpm)		
Gear (P3)	22.8 L/m (6.0 gpm)		
Auxiliary Flow	61.2 L/m (16.2 gpm)		
Upperstructure			
Swing Speed	9.0 rpm		
Independent Swing Boom	<i>Canopy</i>	<i>Cab</i>	
Left	72 deg.	62 deg.	
Right	62 deg.	62 deg.	
Counterweight			
Standard	540 kg (1,190 lb.)		
Additional	240 kg (529 lb.)		
Operating Weights			
	1315-mm (4 ft. 4 in.)	1715-mm (5 ft. 8 in.)	1715-mm (5 ft. 8 in.)
	Standard Arm, Canopy, and Standard Counterweight	Standard Arm, Cab, and Standard Counterweight	Long Arm, Canopy, and Extra Counterweight
With Full Fuel Tank and 79-kg (175 lb.) Operator	3520 kg (7,760 lb.)	3690 kg (8,135 lb.)	3783 kg (8,340 lb.)
Optional Angle Blade	296 kg (653 lb.)		3953 kg (8,715 lb.)

Operating Dimensions		35G			
		1315-mm (4 ft. 4 in.) Standard Arm and Canopy	1715-mm (5 ft. 8 in.) Long Arm and Canopy	1315-mm (4 ft. 4 in.) Standard Arm and Cab	1715-mm (5 ft. 8 in.) Long Arm and Cab
A	Maximum Cutting Height	4.87 m (16 ft. 0 in.)	4.95 m (16 ft. 3 in.)	4.70 m (15 ft. 5 in.)	4.74 m (15 ft. 7 in.)
B	Maximum Dumping Height	3.46 m (11 ft. 4 in.)	3.57 m (11 ft. 9 in.)	3.31 m (10 ft. 10 in.)	3.39 m (11 ft. 1 in.)
C	Maximum Digging Depth	3.06 m (10 ft. 0 in.)	3.46 m (11 ft. 4 in.)	3.06 m (10 ft. 0 in.)	3.46 m (11 ft. 4 in.)
D	Maximum Digging Reach	5.21 m (17 ft. 1 in.)	5.52 m (18 ft. 1 in.)	5.21 m (17 ft. 1 in.)	5.52 m (18 ft. 1 in.)
E	Minimum Front Swing Radius	2.08 m (6 ft. 10 in.)	2.19 m (7 ft. 2 in.)	2.24 m (7 ft. 4 in.)	2.30 m (7 ft. 7 in.)
F	Transport Length	4.64 m (15 ft. 3 in.)	4.75 m (15 ft. 7 in.)	4.64 m (15 ft. 3 in.)	4.75 m (15 ft. 7 in.)
Breakout Force (ISO 6015)					
	Bucket	27.1 kN (6,085 lb.)	27.1 kN (6,085 lb.)	27.1 kN (6,085 lb.)	27.1 kN (6,085 lb.)
	Arm	19.0 kN (4,277 lb.)	16.9 kN (3,792 lb.)	19.0 kN (4,277 lb.)	16.9 kN (3,792 lb.)

Machine Dimensions	
Blade	
Width	1.74 m (5 ft. 9 in.)
Height	373 mm (14.7 in.)
G	Upperstructure Width 1.55 m (5 ft. 1 in.)
H	Overall Height
Canopy	2.48 m (8 ft. 2 in.)
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	870 mm (34 in.)
With Long Arm and Extra Counterweight	980 mm (39 in.)
M	Engine Cover Height 1.53 m (5 ft. 0 in.)
N	Maximum Blade Lift Above Ground 360 mm (14.2 in.)
O	Maximum Blade Drop Below Ground 400 mm (15.7 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 550 mm (22 in.)



Lift Capacities								
Ground Level at 3.05-m (10 ft.) Radius	Canopy and Standard Counterweight		Canopy and Extra Counterweight		Cab and Standard Counterweight		Cab and Extra Counterweight	
	Over Front*	Over Side	Over Front*	Over Side	Over Front*	Over Side	Over Front*	Over Side
Arm								
1315-mm (4 ft. 4 in.) Standard	1568 kg (3,453 lb.)	641 kg (1,412 lb.)	1568 kg (3,453 lb.)	765 kg (1,686 lb.)	1568 kg (3,453 lb.)	684 kg (1,506 lb.)	1568 kg (3,453 lb.)	808 kg (1,780 lb.)
1715-mm (5 ft. 8 in.) Long	1501 kg (3,307 lb.)	630 kg (1,388 lb.)	1501 kg (3,307 lb.)	755 kg (1,662 lb.)	1501 kg (3,307 lb.)	672 kg (1,481 lb.)	1501 kg (3,307 lb.)	797 kg (1,756 lb.)

*Blade down (limited by hydraulics).

