



35G SPECIFICATIONS

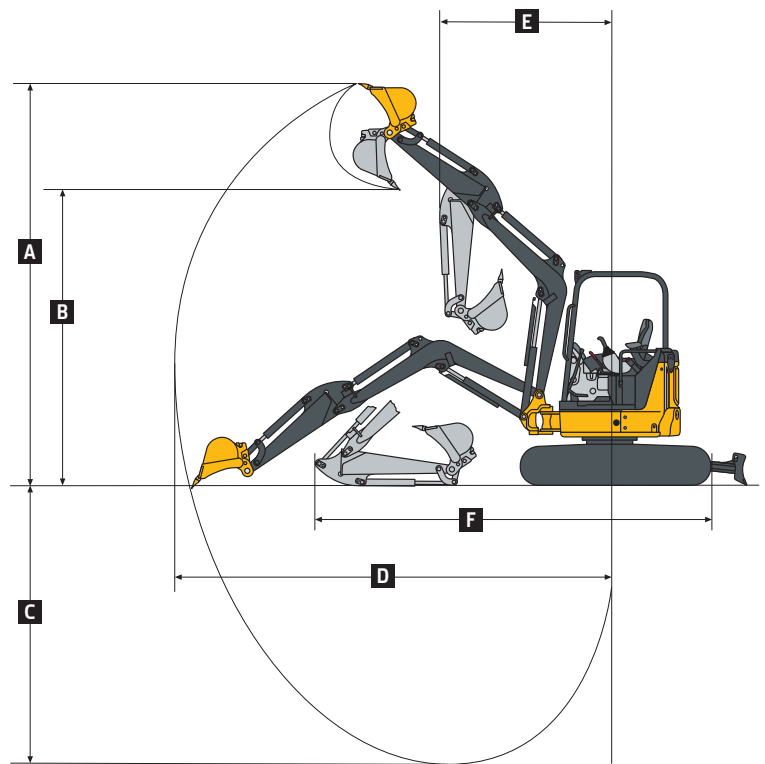
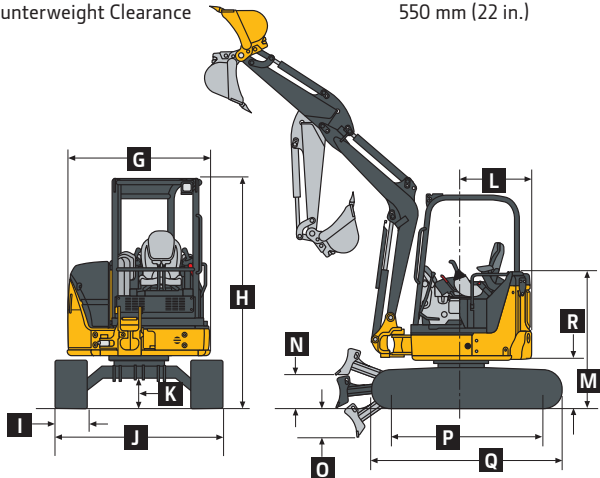
| Engine | | 35G | | | |
|---|--|---|---|---|--|
| Manufacturer and Model | | Yanmar 3TNV88F | | | |
| Non-Road Emission Standard | | EPA Final Tier 4/EU Stage IV | | | |
| Displacement | | 1.642 L (100.2 cu. in.) | | | |
| Net Power (ISO 9249) | | 17.4 kW (23.3 hp) at 2,400 rpm | | | |
| Powertrain | | | | | |
| Each track independently driven by hydrostatic axial-piston motor connected to 2-stage planetary gear-reduction box | | | | | |
| Maximum Travel Speed | | | | | |
| Low | | 2.8 km/h (1.7 mph) | | | |
| High | | 4.3 km/h (2.7 mph) | | | |
| Hydraulics | | | | | |
| Open center with 2 variable-displacement pumps and 1 fixed-gear pump | | | | | |
| Pump Flow | | | | | |
| Piston | | 2 x 38.4 L/m (2 x 10.1 gpm) | | | |
| Gear | | 22.8 L/m (6.0 gpm) | | | |
| Auxiliary Flow | | 61.2 L/m (16.2 gpm) | | | |
| Controls | | 2 hydraulic pilot-operated controls for boom, arm, bucket, swing, boom swing, travel, and auxiliary functions | | | |
| Electrical | | | | | |
| Alternator Rating | | 55 amp | | | |
| Work Lights | | 2 halogen: 1 mounted on operator's station and 1 mounted on boom | | | |
| Undercarriage | | | | | |
| Track, Rubber | | 300 mm (12 in.) | | | |
| Ground Pressure | | 1315-mm (4 ft. 4 in.) Standard Arm, Canopy, and Standard Counterweight | 1315-mm (4 ft. 4 in.) Standard Arm, Cab, and Standard Counterweight | 1715-mm (5 ft. 8 in.) Long Arm, Canopy, and Extra Counterweight | 1715-mm (5 ft. 8 in.) Long Arm, Cab, and Extra Counterweight |
| With Rubber Track | | 32.0 kPa (4.6 psi) | 33.0 kPa (4.8 psi) | 33.7 kPa (4.9 psi) | 35.2 kPa (5.1 psi) |
| Upperstructure | | | | | |
| Swing Speed | | 9.0 rpm | | | |
| Independent Swing Boom | | Canopy | Cab | | |
| Left | | 72 deg. | 62 deg. | | |
| Right | | 62 deg. | 62 deg. | | |
| Swing Brake | | Spring applied, hydraulically released, automatic, disc type | | | |
| Serviceability | | | | | |
| Refill Capacities | | | | | |
| Fuel Tank | | 42 L (11.1 gal.) | | | |
| Cooling System | | 5.0 L (5.3 qt.) | | | |
| Engine Oil with Filter | | 7.2 L (7.6 qt.) | | | |
| Hydraulic Tank | | 32 L (8.5 gal.) | | | |
| Operating Weights | | | | | |
| | | 1315-mm (4 ft. 4 in.) Standard Arm, Canopy, and Standard Counterweight | 1315-mm (4 ft. 4 in.) Standard Arm, Cab, and Standard Counterweight | 1715-mm (5 ft. 8 in.) Long Arm, Canopy, and Extra Counterweight | 1715-mm (5 ft. 8 in.) Long Arm, Cab, 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.) | 3953 kg (8,715 lb.) |
| Optional Angle Blade | | 296 kg (653 lb.) | 296 kg (653 lb.) | 296 kg (653 lb.) | 296 kg (653 lb.) |
| Counterweight | | | | | |
| Standard | | 540 kg (1,190 lb.) | 540 kg (1,190 lb.) | 540 kg (1,190 lb.) | 540 kg (1,190 lb.) |
| Additional | | 240 kg (529 lb.) | 240 kg (529 lb.) | 240 kg (529 lb.) | 240 kg (529 lb.) |

35G SPECIFICATIONS



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

| Machine Dimensions | |
|--------------------|--|
| 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 1.74 m (5 ft. 9 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.) |
| Blade | |
| | Width 1.74 m (5 ft. 9 in.) |
| | Height 373 mm (14.7 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

Boldface type indicates hydraulically limited capacity; lightface type indicates stability-limited capacities, in kg (lb.). All lift capacities are based on ISO 10567 (with power boost). Lifting measurement from center of arm to bucket pin; with 300-mm (12 in.) rubber track and blade on ground; and situated on firm, level, uniform supporting surface. Total load includes weight of cables, hook, etc. Figures do not exceed 87 percent of hydraulic capacities or 75 percent of weight needed to tip machine.

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

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 |
| ● | ● | ● | Auto shutdown |
| ● | ● | ● | 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 | | | |
| ● | ● | ● | Auto-idle |
| ● | ● | ● | 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.) |

| 35G | 50G | 60G | Undercarriage (continued) |
|--------------------------|-----|-----|---|
| ▲ | | | 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.) |
| 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 |

| 35G | 50G | 60G | Front Attachments (continued) |
|---------------------------|-----|-----|---|
| ▲ | ▲ | ▲ | 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 |
| ● | ● | ● | Instrumentation lights |
| ● | ● | ● | Mode selectors (illuminated): Power mode (1) / Economy mode (1) |
| ● | ● | ● | 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 |
| 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-m³ (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-m³ (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-m³ (6.8 cu. ft.) bucket, 400-mm (16 in.) rubber track, and 745-kg (1,642 lb.) counterweight.

