

75G Excavator

42.4 kW (56.9 net hp)



JOHN DEERE

FEATURES

Reduced tail swing helps open-up confined or congested areas. Standard backfill blade further expands versatility.

Rubber crawler pads, steel track shoes, or continuous rubber belt options let you choose the best undercarriage for your kind of work.

Spacious cab is equipped with easy-to-navigate enhanced LCD monitor that lets you dial-in a wealth of machine info and functionality.

EPA Final Tier 4/EU Stage IV diesel technology is simple, fuel efficient, fully integrated, and fully supported.

Highly efficient, heavy-duty cooling system keeps things cool, even in harsh environments or at high altitudes.

Industry-exclusive D-channel side frames, tungsten-carbide arm coating, and three welded boom bulkheads deliver long-term durability.



Engine

75G

Manufacturer and Model	Yanmar 4TNV98C
Non-Road Emission Standard	EPA Final Tier 4/EU Stage IV
Net Power (ISO 9249)	42.4 kW (56.9 hp) at 2,000 rpm
Cylinders	4
Displacement	3.3 L (202 cu. in.)
Aspiration	Natural
Off-Level Capacity	70% (35 deg.)

Powertrain

Maximum Travel Speed

Low	3.1 km/h (1.9 mph)
High	5.0 km/h (3.1 mph)
Drawbar Pull	6650 kgf (14,661 lb.)

Hydraulics

Open Center, Load Sensing

Main Pumps

3 variable-displacement axial-piston pumps
2 x 72 L/m (2 x 19 gpm)

System Operating Pressure

Implement Circuits	26 000 kPa (3,771 psi)
Travel Circuits	31 400 kPa (4,554 psi)
Swing Circuits	25 200 kPa (3,655 psi)

Electrical

Batteries	2 x 12 volt
Battery Capacity	2 x 450 CCA
Alternator Rating	50 amp
Work Lights	2 halogen (one mounted on boom and one on frame)

Swing Mechanism

Swing Speed	10.5 rpm
Swing Torque	16 600 Nm (12,244 lb.-ft.)

Operating Weights

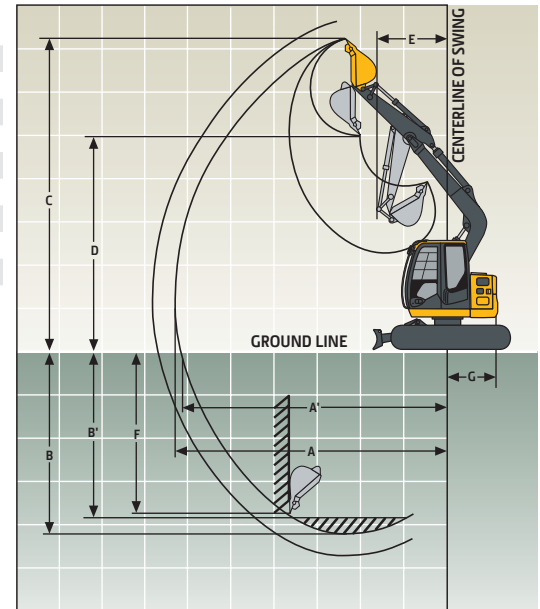
75G

With 0.31-m³ (0.41 cu. yd.), 762-mm (30 in.), 313-kg (691 lb.) Bucket; 2.12-m (6 ft. 11 in.) Arm; 1305-kg (2,877 lb.) Counterweight; 2470-mm (8 ft. 1 in.) Blade; Full Fuel Tank; and 75-kg (165 lb.) Operator

600-mm (24 in.) Shoes	8265 kg (18,221 lb.)
450-mm (18 in.) Shoes	8143 kg (17,952 lb.)

Operating Dimensions

	Arm Length 1.62 m (5 ft. 4 in.)	Arm Length 2.12 m (6 ft. 11 in.)
Arm Force (ISO)	35.5 kN (7,981 lb.)	30.7 kN (6,902 lb.)
Bucket Force (ISO)	46.6 kN (10,476 lb.)	46.6 kN (10,476 lb.)
A Maximum Reach	6.43 m (21 ft. 1 in.)	6.92 m (22 ft. 8 in.)
B Maximum Digging Depth	4.11 m (13 ft. 6 in.)	4.61 m (15 ft. 1 in.)
C Maximum Cutting Height	7.21 m (23 ft. 8 in.)	7.61 m (25 ft. 0 in.)
D Maximum Dumping Height	5.12 m (16 ft. 10 in.)	5.51 m (18 ft. 1 in.)
E Minimum Swing Radius	1.81 m (5 ft. 11 in.)	2.17 m (7 ft. 1 in.)
F Maximum Vertical Wall	3.67 m (12 ft. 0 in.)	4.22 m (13 ft. 10 in.)
G Tail Swing Radius	1.29 m (4 ft. 3 in.)	1.29 m (4 ft. 3 in.)



Machine Dimensions

	Arm Length 1.62 m (5 ft. 4 in.)	Arm Length 2.12 m (6 ft. 11 in.)
A Overall Length	6.30 m (20 ft. 8 in.)	6.37 m (20 ft. 11 in.)
B Overall Height	2.69 m (8 ft. 10 in.)	2.69 m (8 ft. 10 in.)
C Rear-End Length/Swing Radius	1.29 m (4 ft. 3 in.)	1.29 m (4 ft. 3 in.)
D Distance Between Idler/Sprocket Centerline	2.29 m (7 ft. 6 in.)	2.29 m (7 ft. 6 in.)
E Undercarriage Length	2.92 m (9 ft. 7 in.)	2.92 m (9 ft. 7 in.)
F Counterweight Clearance	0.73 m (29 in.)	0.73 m (29 in.)
G Upperstructure Width	2.32 m (7 ft. 7 in.)	2.32 m (7 ft. 7 in.)
H Cab Height	2.69 m (8 ft. 10 in.)	2.69 m (8 ft. 10 in.)
I Track Width		
With 600-mm (24 in.) Shoes	0.60 m (24 in.)	0.60 m (24 in.)
With 450-mm (18 in.) Shoes	0.45 m (18 in.)	0.45 m (18 in.)
J Gauge Width	1.87 m (6 ft. 2 in.)	1.87 m (6 ft. 2 in.)
K Ground Clearance	360 mm (14 in.)	360 mm (14 in.)
L Undercarriage Width		
With 600-mm (24 in.) Shoes	2.32 m (7 ft. 7 in.)	2.32 m (7 ft. 7 in.)
With 450-mm (18 in.) Shoes	2.17 m (7 ft. 1 in.)	2.17 m (7 ft. 1 in.)
M Blade Height	480 mm (19 in.)	480 mm (19 in.)
Blade Width		
With 600-mm (24 in.) Shoes	2470 mm (8 ft. 1 in.)	2470 mm (8 ft. 1 in.)
With 450-mm (18 in.) Shoes	2320 mm (7 ft. 9 in.)	2320 mm (7 ft. 9 in.)
Blade Lift Height	360 mm (14 in.)	360 mm (14 in.)
N Blade Lift Angle	27 deg.	27 deg.
O Blade Cut Below Grade	300 mm (12 in.)	300 mm (12 in.)

