135G Excavator

72 kW (97 hp)

JOHN DEERE

FEATURES

Reduced tail swing design is ideal for work in confined or congested areas.

New power boost feature helps pull you through when the digging or lifting gets difficult.

Spacious and comfortable cab comes equipped with easy-to-navigate enhanced LCD monitor that lets an operator easily dial-in a wealth of machine info and functionality.

EPA Interim Tier 4 (IT4)/EU Stage IIIB diesel technology is simple, fuel efficient, fully integrated, and fully supported.

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

Industry-exclusive double-seal swing bearing and three welded boom bulkheads deliver rock-solid durability.



Engine	**135G**
	Base engine for use in U.S., U.S. Territories, and Canada
Manufacturer and Model	Isuzu 4JJ1
Non-Road Emission Standard	EPA Interim Tier 4/EU Stage IIIB
Net Rated Power (ISO 9249)	72 kW (97 hp) at 2,000 rpm
Powertrain	
Type	2-speed propel with automatic shift
Maximum Travel Speed	
Low	3.4 km/h (2.1 mph)
High	5.5 km/h (3.4 mph)
Drawbar Pull	11 000 kg (24,251 lb.)
Hydraulics	
Type	Open center, load sensing
Main Pumps	2 variable-displacement axial-piston pumps
Maximum Rated Flow	105 L/m (28 gpm) x 2
System Operating Pressure	
Implement Circuits	34 336 kPa (4,980 psi)
Travel Circuits	34 336 kPa (4,980 psi)
Swing Circuits	32 300 kPa (4,685 psi)
Power Boost	36 300 kPa (5,265 psi)
Undercarriage	
Rollers (per side)	
Carrier	1
Track	7
Shoes (per side)	44
Track	
Adjustment	Hydraulic
Guides	Front idler
Chain	Sealed and lubricated

Swing Mechanism	135G	
Speed	13.3 rpm	
Torque	34 000 Nm (25,000 lb.-ft.)	
Operating Weights		
With Full Fuel Tank; 79-kg (175 lb.) Operator; 914-mm (36 in.), 0.50-m³ (0.65 cu. yd.), 414-kg (913 lb.) General-Purpose Bucket; 3.01-m (9 ft. 11 in.) Arm; and 3650-kg (8,047 lb.) Counterweight		
Operating Weights	*Without Blade*	*With Blade*
500-mm (20 in.) Rubber Crawler Pad	13 900 kg (30,617 lb.)	14 900 kg (32,819 lb.)
600-mm (24 in.) Triple Semi-Grouser Shoes	13 700 kg (30,176 lb.)	14 700 kg (32,379 lb.)
700-mm (28 in.) Triple Semi-Grouser Shoes	13 900 kg (30,617 lb.)	14 900 kg (32,819 lb.)
Optional Components		
Undercarriage	*Without Blade*	*With Blade*
500-mm (20 in.) Rubber Crawler Pad	4639 kg (10,218 lb.)	5577 kg (12,284 lb.)
600-mm (24 in.) Triple Semi-Grouser Shoes	4439 kg (9,778 lb.)	5516 kg (12,150 lb.)
700-mm (28 in.) Triple Semi-Grouser Shoes	4639 kg (10,218 lb.)	5732 kg (12,626 lb.)
One-Piece Boom (with arm cylinder)	951 kg (2,095 lb.)	
Arm with Bucket Cylinder and Linkage		
2.52 m (8 ft. 3 in.)	431 kg (949 lb.)	
3.01 m (9 ft. 11 in.)	501 kg (1,104 lb.)	
Boom Lift Cylinders (2), Total Weight	232 kg (511 lb.)	
914-mm (36 in.), 0.50-m³ (0.65 cu. yd.) Bucket	414 kg (912 lb.)	
Counterweight, Standard	3650 kg (8,047 lb.)	
Operating Dimensions		
Arm Length	*2.52 m (8 ft. 3 in.)*	*3.01 m (9 ft. 11 in.)*
Arm Digging Force		
SAE	65 kN (14,611 lb.)	59 kN (13,167 lb.)
ISO	67 kN (15,066 lb.)	60 kN (13,521 lb.)
Bucket Digging Force		
SAE	85 kN (19,015 lb.)	85 kN (19,015 lb.)
ISO	96 kN (21,480 lb.)	96 kN (21,480 lb.)
Lifting Capacity Over Front at Ground Level 6.1-m (20 ft.) Reach (with power boost)	2699 kg (5,950 lb.)	2676 kg (5,900 lb.)
A Maximum Reach	8.38 m (27 ft. 6 in.)	8.86 m (29 ft. 1 in.)
A[I] Maximum Reach at Ground Level	8.24 m (27 ft. 0 in.)	8.72 m (28 ft. 7 in.)
B Maximum Digging Depth	5.49 m (18 ft. 0 in.)	5.98 m (19 ft. 7 in.)
B[I] Maximum Digging Depth at 2.44-m (8 ft. 0 in.) Flat Bottom	5.27 m (17 ft. 3 in.)	5.79 m (19 ft. 0 in.)
C Maximum Cutting Height	9.29 m (30 ft. 6 in.)	9.69 m (31 ft. 9 in.)
D Maximum Dumping Height	6.83 m (22 ft. 5 in.)	7.22 m (23 ft. 8 in.)
E Minimum Swing Radius	1.49 m (4 ft. 11 in.)	1.49 m (4 ft. 11 in.)
F Maximum Vertical Wall	4.73 m (15 ft. 6 in.)	5.19 m (17 ft. 0 in.)
G Tail-Swing Radius	1.49 m (4 ft. 11 in.)	1.49 m (4 ft. 11 in.)
Machine Dimensions		
Arm Length	*2.52 m (8 ft. 3 in.)*	*3.01 m (9 ft. 11 in.)*
A Overall Length	7.37 m (24 ft. 2 in.)	7.39 m (24 ft. 3 in.)
B Overall Height	2.79 m (9 ft. 2 in.)	2.78 m (9 ft. 1 in.)
C Rear-End Length/Swing Radius	1.49 m (4 ft. 11 in.)	
D Distance Between Idler/Sprocket Centerline	2.88 m (9 ft. 5 in.)	
E Undercarriage Length	3.58 m (11 ft. 9 in.)	
F Counterweight Clearance	840 mm (33 in.)	
G Upperstructure Width	2.48 m (8 ft. 2 in.)	
H Cab Height	2.79 m (9 ft. 2 in.)	
I Track Width	500 mm (20 in.) / 600 mm (24 in.) / 700 mm (28 in.)	
J Gauge Width	1.99 m (6 ft. 6 in.)	
K Ground Clearance	410 mm (16 in.)	
L Overall Width		
500-mm (20 in.) Rubber Crawler Pad	2.49 m (8 ft. 2 in.)	
600-mm (24 in.) Triple Semi-Grouser Shoes	2.59 m (8 ft. 6 in.)	
700-mm (28 in.) Triple Semi-Grouser Shoes	2.69 m (8 ft. 10 in.)	
M Blade Lift Height	460 mm (18 in.)	
N Blade Cut Below Grade	540 mm (21 in.)	
O Blade Lift Angle	29 deg.	
Blade Length	2.51 m (8 ft. 3 in.)	
Blade Height	460 mm (18 in.)	
Blade Width		
500-mm (20 in.) Rubber Crawler Pad	2590 mm (8 ft. 6 in.)	
600-mm (24 in.) Triple Semi-Grouser Shoes	2590 mm (8 ft. 6 in.)	
700-mm (28 in.) Triple Semi-Grouser Shoes	2690 mm (8 ft. 10 in.)	





