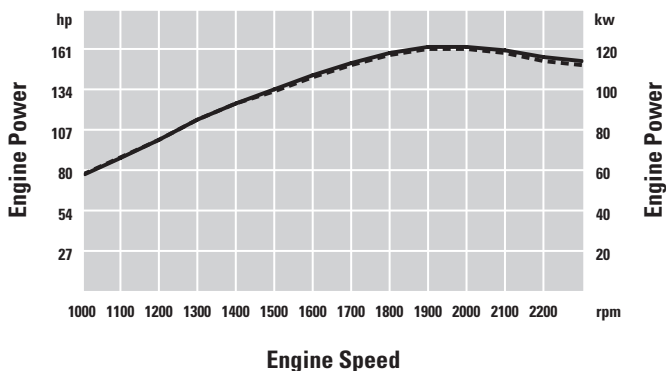
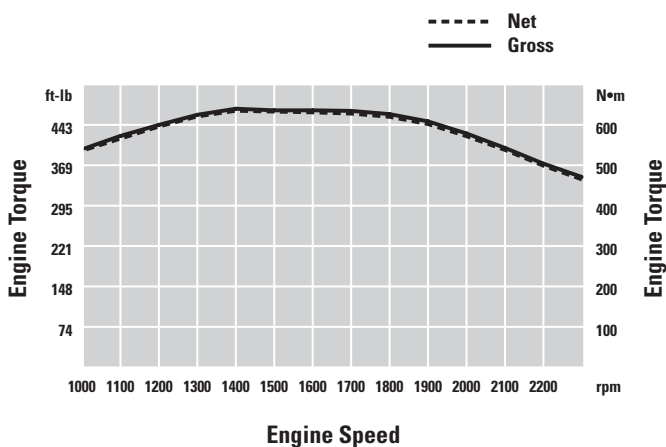


Engine

Model	Cat 3056E DIT ATAAC	
Rated Net Power @ 2,300 rpm		
SAE J1349	111 kW	149 hp
ISO 9249 (1997)	112 kW	150 hp
EEC 80/1269	112 kW	150 hp
Max. Net Power @ 1,900 rpm		
SAE J1349	119 kW	159 hp
ISO 9249 (1997)	120 kW	161 hp
EEC 80/1269	120 kW	161 hp
Bore	100 mm	3.94 in
Stroke	127 mm	5 in
Displacement	6 L	366 in ³

- Net Power ratings are tested at the reference conditions for the specified standard.
- Net power shown is the power available at the flywheel when the engine is equipped with alternator, air cleaner, muffler and fan at minimum speed.
- No derating required up to 3000 m (9,843 ft) altitude. Auto derate protects hydraulic and transmission systems.
- When the fan is at maximum speed, Rated Net Power is 102 kW (137 hp) and Maximum Net Power is 114 kW (153 hp) at the flywheel per the SAE reference conditions.
- The Caterpillar 3056E DIT ATAAC engine meets Tier 2 off-highway emission regulations.
- Features:
 - Electronically controlled rotary fuel pump
 - Three-ring, controlled-expansion, lubricated pistons
 - Gear-driven water and oil pumps
 - One-piece cast iron cylinder heads with two valves per cylinder
 - Fuel priming pump and fuel/water separator
 - S•O•S sampling port for engine oil
 - Replaceable dry liners
 - Cast aluminum valve cover
 - Radiator can be easily accessed for cleaning

Engine Torque



Weights

Operating Weight	13 029 kg	28,725 lb
Maximum Weight	13 174 kg	29,044 lb

- Specifications shown are for 930G with optional counterweight, standard lubricants, full fuel tank, cab with air conditioning, sliding glass, Cat Contour Seat, Limited Slip axles with dual disc rear, 4L-4V hydraulics, heavy duty cooler, supplemental steering, ride control, radio, roading fenders, reversing fan, back-up alarm, guards, 2.1 m³ (2.7 yd³) bucket with bolt-on cutting edge, 80 kg (176 lb) operator and 600/65 R25 radial (L3) tires.

Buckets

Bucket Capacities	2.1 m ³ – 5.0 m ³ 2.6 yd ³ – 6.5 yd ³
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Steering

Steering Articulation	40°	
Minimum turning radius (over tire)	5257 mm	17.2 in
Steering angle, each direction	40°	
Steering cylinders, two, bore	70 mm	2.75 in
Hydraulic output at 2,300 engine rpm and 6900 kPa (1,000 psi)	70 L/min	17.6 gal/min
Maximum working pressure	24 130 kPa	3,500 psi

- Optional dual-mode steering.
- Center-point frame articulation.
- Front and rear wheels track.
- Variable displacement piston pump provides steering power at all engine and ground speeds.
- Tilt steering console.
- High-impact rubber steering stops.
- Secondary steering system meets ISO 5010 and roading regulations in various countries.

Loader Hydraulic System

Output at 2,300 engine rpm and 6900 kPa (1,000 psi) with SAE 10W oil at 65° C (150° F)	220 L/min	58 gal/min
Hydraulic Cycle Time	9.5 Seconds	
Pump flow – Implement pump	220 L/min	58 gal/min
Maximum working pressure	25 900 kPa	3,755 psi
Hydraulic cycle time:		
Raise	5 Seconds	
Dump	1.7 Seconds	
Lower, empty, float down	2.8 Seconds	
Total	9.5 Seconds	
Lift cylinders, double acting:		
Bore	114.3 mm	4.5 in
Stroke	777 mm	30.6 in
Tilt cylinder, double acting:		
Bore	152.4 mm	6 in
Stroke	939 mm	37 in

- Load-sensing system provides only the flow and pressure needed to move the load.
- Variable-displacement axial piston pump provides implement and steering flow.
- Low effort, hydraulic joystick controls.
- Electronic pilot shut-off switch disables implement functions for added safety.
- Hydraulic couplings with O-ring face seals.
- Optional heavy-duty oil cooler.
- Adjustable-flow third function hydraulics available.
- Optional third and fourth, fifth and sixth function hydraulics.

Service Refill Capacities

Fuel tank	225 L	59.4 gal
Cooling system	40 L	10.6 gal
Crankcase	16 L	4.2 gal
Transmission	34.5 L	9.1 gal
Differentials and final drives:		
Front	26 L	6.9 gal
Rear	25 L	6.6 gal
Hydraulic system (including tank)	125 L	33 gal
Hydraulic tank	70 L	18.5 gal

Transmission

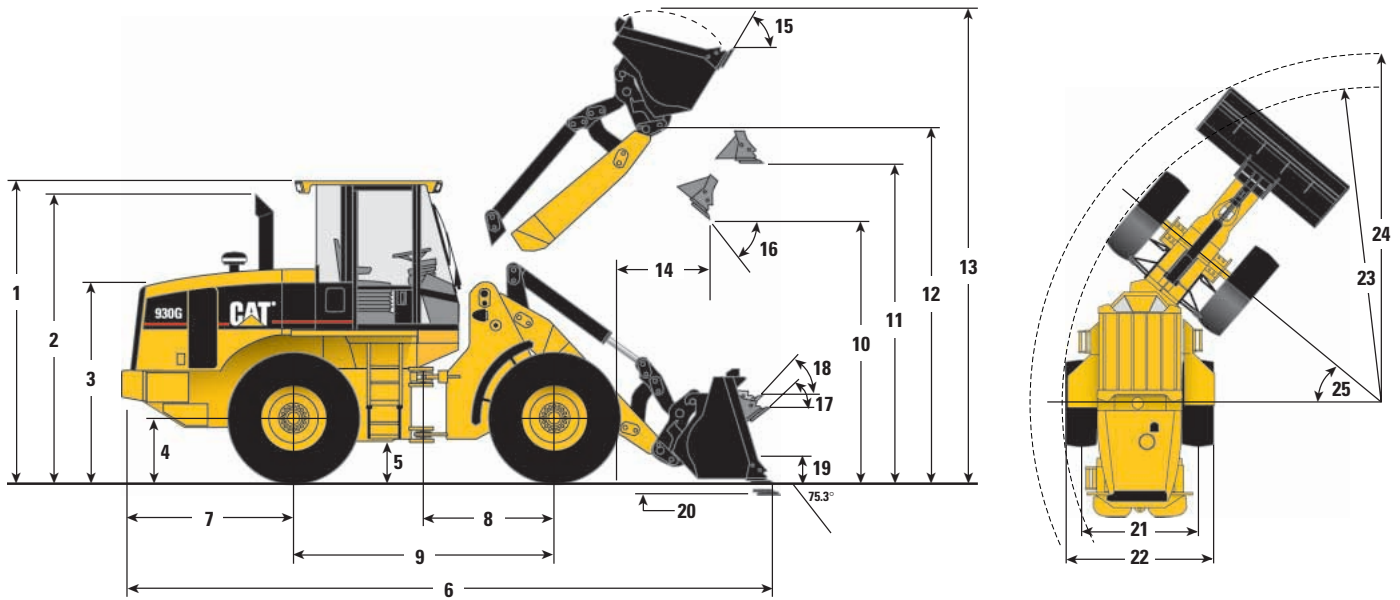
Standard transmission maximum travel speeds:

Forward 1	7.3 kph	4.5 mph
2	12.3 kph	7.6 mph
3	24.1 kph	15 mph
4	38.3 kph	23.8 mph
Reverse 1	7.3 kph	4.5 mph
2	12.3 kph	7.6 mph
3	24.1 kph	15 mph

- Electronically-controlled Caterpillar countershaft transmission with full on-the-go directional and speed change capability.
- High-energy friction materials and thick reaction plates for better tolerance of heat.
- High-contact ratio spur gears are precision ground and heat treated for quiet, reliable operation.
- Electronic autoshift is standard.
- Button on implement control lever allows downshifting on demand.
- Computer controlled modulation provides smoother transitions.

Dimensions with Bucket

All dimensions are approximate. Dimensions may vary with bucket. Refer to Operating Specifications.



	Standard VersaLink		High Lift VersaLink			
1 Height to top of ROPS/FOPS	3288 mm	(10 ft 9 in)	3288 mm	(10 ft 9 in)		
2 Height to top of exhaust stack	3215 mm	(10 ft 6 in)	3215 mm	(10 ft 6 in)		
3 Height to top of hood	2244 mm	(7 ft 4 in)	2244 mm	(7 ft 4 in)		
4 Height to center of axle	695 mm	(2 ft 3 in)	695 mm	(2 ft 3 in)		
5 Ground clearance	421 mm	(1 ft 4 in)	421 mm	(1 ft 4 in)		
6 Overall length	7390 mm	(24 ft 3 in)	7877 mm	(25 ft 10 in)		
7 Length – rear axle to bumper	1816 mm	(5 ft 11 in)	1816 mm	(5 ft 11 in)		
8 Center line of front axle to hitch	1450 mm	(4 ft 9 in)	1450 mm	(4 ft 9 in)		
9 Wheel base length	2900 mm	(9 ft 6 in)	2900 mm	(9 ft 6 in)		
10 Dump clearance at maximum lift and 45° dump	2936 mm	(9 ft 8 in)	3436 mm	(11 ft 3 in)		
11 Bucket clearance at maximum lift and level	3726 mm	(12 ft 3 in)	4226 mm	(13 ft 10 in)		
12 Bucket pin height at maximum lift	4069 mm	(13 ft 4 in)	4559 mm	(14 ft 11 in)		
13 Overall height – bucket raised	5344 mm	(17 ft 6 in)	5835 mm	(19 ft 2 in)		
14 Reach at maximum lift and 45° dump	1073 mm	(3 ft 6 in)	1073 mm	(3 ft 6 in)		
15 Rack back angle at maximum lift		60°		62°		
16 Dump angle at maximum lift		45°		45°		
17 Rack back angle at ground		51°		52°		
18 Rack back angle at carry		53°		57°		
19 Carry height	428 mm	(1 ft 4 in)	577 mm	(1 ft 10 in)		
20 Digging depth	142 mm	(5.6 in)	157 mm	(6.2 in)		
Dimensions listed are for 930G with 2.1 m ³ (2.7 yd ³) bucket with bolt-on cutting edge, cab with A/C, optional counterweight, limited slip axles, heavy duty rear brakes, additional guarding, sound suppression, 80 kg (176 lb) operator and 600/65 R25 GP-3D tires.						
	17.5-25 12PR L-2 Tires		20.5-25 12PR (L-2) Tires		600/65 R25 (L-2) Tires	
21 Width at tread center	1950 mm	(6 ft 5 in)	1950 mm	(6 ft 5 in)	1950 mm	(6 ft 5 in)
22 Overall width over tires	2407 mm	(7 ft 11 in)	2504 mm	(8 ft 3 in)	2544 mm	(8 ft 4 in)
23 Minimum turning radius over tires	5186 mm	(17 ft 0 in)	5236 mm	(17 ft 2 in)	5256 mm	(17 ft 3 in)
24 Minimum turning radius over bucket	5811 mm	(19 ft 1 in)	5811 mm	(19 ft 1 in)	5811 mm	(19 ft 1 in)
25 Steering angle – left/right	40°		40°		40°	
Change in vertical dimension	-54 mm	(-2.1 in)	+11 mm	(+0.4 in)	no change	no change