

gine		THE RESERVE OF THE PERSON
Model	Cat® 3054B	Diesel
Model (Optional)	Cat 3054T To	urbocharged Diesel
Gross Power (Standard)	58 kW	77 hp
Gross Power (Optional)	62 kW	83 hp
Net Power (Standard)	55 kW	74 hp
Net Power (Optional)	59 kW	80 hp

6900 kg	15,257 lb	ľ
9800 kg	21,605 lb	1
- 11	1	
4390 mm	14 ft 5 in	V
5510 mm	18 ft 1 in	Á
	9800 kg 4390 mm	9800 kg 21,605 lb 4390 mm 14 ft 5 in

416D Backhoe Loaders

The 416D Backhoe Loader is built to provide the most production in the most cost-effective way.

Power Train

✓ The Cat 3054B diesel engine and new fuel system minimize fuel consumption. Smooth performance comes from the Caterpillar® Power Shuttle transmission and optional Ride Control. A new mode selector switch on All Wheel Drive machines allows two wheel drive with all wheel braking. pg. 4

Customer Support

Your Cat dealer offers a wide range of services that help you operate longer with lower costs. pg. 11

Backhoe Performance

High rotation bucket linkage, excavatorstyle boom, improved bucket line and new Diagonal Retention System teeth work together for increased productivity. pg. 5

Work Tools

A wide range of Caterpillar Work Tools are available to meet the needs of your job site applications. pg. 6

Designed for long hours of operation and low cost production, the 416D features rugged construction, a spacious work environment, a high rotation backhoe and easy maintenance. The new 416D provides everything you expect from a Caterpillar Backhoe Loader.



Hydraulics

The state-of-the-art closed-center, variable displacement pump and load-sensing hydraulic system provides high forces at any engine speed. pg. 7

Operator Station

✓ The 416D operator environment is ergonomically designed to create a comfortable work area with easy-to-use machine controls to help reduce fatigue. pg. 8

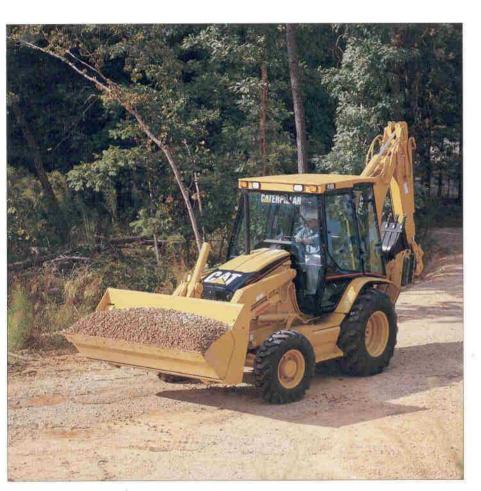
Additional Features

✔ Pilot operated stabilizer controls, counterweights and a flip-open hood contribute to the machine's overall success. pg. 10



Power Train

The 416D is designed for efficiency and a new fuel system increases lug performance.



3054B Engine. The Cat 3054B naturally aspirated 55 kW (74 hp) diesel engine includes a new fuel system that delivers reliable power with low emissions, excellent fuel economy and traditional Caterpillar durability. The Cat 3054T (turbocharged) 58 kW (80 hp) engine is optional. The new fuel system provides improved lug performance.

Direct Injection Fuel System. Individual unit fuel injectors deliver efficient, accurate fuel metering, reduced emissions, reliable power, high torque rise and responsive performance.

Air Cleaner. Dry-type, radial seal, two-stage filter incorporates air cleaner and precleaner functions into a single unit under the hood. Elimination of the hood-mounted precleaner increases the operator's viewing area. **Starting Aid.** Standard thermal starting aid system for efficient cold weather starting down to -28° C (-20° F).

Transmission. The Caterpillar Power Shuttle transmission provides four speeds forward and reverse. Full synchromesh gears and hydraulically shifted forward and reverse shuttle clutches allow direction and travel speed to be changed on-the-go. A neutral start provision prevents starting while the shuttle is engaged.

Ride Control Option. Offers a smoother ride in all conditions and reduces machine loping while roading. It also provides better material retention during load and carry operations while increasing operator comfort. The system engages with the flip of a switch.

Two Wheel Drive. Heavy-duty rear axle with self-adjusting inboard brakes, differential lock and final drives.

All Wheel Drive (AWD) Option. Heavyduty front drive axle can be engaged at any time by activating the switch on the front console. The switch can be activated while the machine is stopped or moving — with or without load. AWD features outboard planetary gear final drives and improves mobility and loader performance in poor traction conditions.

Brake Mode Selector Switch. The brake mode selector switch on AWD machines has three positions: two wheel drive, two wheel drive with all wheel braking and all wheel drive. The center position provides two wheel drive for better tire life while roading and engages the front axle when brakes are applied for improved counters, of Machine Market

Backhoe Performance

High rotation linkage and increased dig forces boost productivity.



High Rotation Backhoe Linkage. Single pin bucket linkage contributes to bestin-class rotation of 205 degrees for all applications, elminating the need to change pin position when moving from loading trucks to vertical wall trenching.

Backhoe Boom. The excavator-style boom features box section fabrication with internal stiffeners for better balance and weight distribution. The curved design provides additional clearance over obstacles while digging a trench or truck loading. The narrow boom enhances the viewing area to the bucket and trench throughout the entire operating range.

Bucket Line. Expansion of the bucket line includes rock and coral bucket designs. All D-Series buckets are painted black and carry the Cat logo.

Bucket Improvements. The side profile has a scalloped edge, similar to an excavator bucket, for better fill factor characteristics and improved clamping ability.



Diagonal Retention System. Bucket teeth are attached with diagonal pins rather than horizontal pins for easy exchange of bucket teeth. The adapters are stronger as a result of this diagonal pinning and additional wear material on the bucket teeth increases durability.



Quick Couplers. Allow for quick attachment of buckets and other work tools. The D-Series High Rotation pin grabber design and a C-Series compatible pin grabber allow buckets to be changed without removing the bucket pin. Other manufacturers' buckets can be coupled with a pin puller coupler, one for Case and D-Series buckets and one for John Deere and D-Series buckets. D-Series Quick Couplers are painted black for easy identification.



Lift Eye. An integral lifting eye is a standard feature of the bucket linkage.

Courtesy of Machine. Market

Work Tools

Choose from a wide variety of tools designed specifically for the backhoe loader.

416D Work Tools. Cat Work Tools for backhoe loaders extend the versatility of the machines. Built for performance and durability, these tools deliver high productivity, long service life and excellent value:

Backhoe Work Tools

- · Standard Duty Bucket
- · Heavy Duty Bucket
- · Heavy Duty Rock Bucket
- · High Capacity Bucket
- · Coral Bucket
- · Ditch Cleaning Bucket
- Hydraulic Hammer
- · Vibratory Plate Compactor
- · Ripper

Loader Work Tools

- · General Purpose Bucket
- · Multi Purpose Bucket
- · Side Dump Bucket
- · Light Material Bucket
- · Penetration Bucket
- · Loader Forks
- Broom
- Rake









Hydraulics

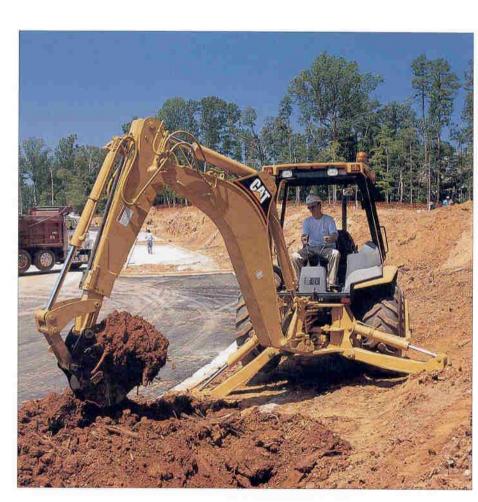
Load-sensing, closed-center system provides power where you need it, when you need it.

Hydraulic System. The load-sensing, variable flow hydraulic system senses work demand and adjusts flow and pressure to match. This allows full hydraulic forces at any engine speed for delicate jobs in tight areas.

Hydraulic Pump. Closed-center implement valves, with pressure compensation for reduced lever effort, signal hydraulic system requirements to a control valve located on the pump. This valve controls the pump to deliver the flow and pressure necessary to fulfill the work tool demands.

Dual Setting Torque Limiter. The variable displacement pump provides better performance in both backhoe and loader operations through a dual setting torque limiter. It automatically optimizes power to the hydraulic system during backhoe operations and manages the power balance between the loader hydraulic circuit and the drive train during front loader operations.

XT Hoses. Made of four overlapping, insulated wire spiral wraps bonded together for durability, XT-3 hoses exceed SAE certification standards. The hose routing protects them from work damage, and hose failure downtime is substantially reduced.



Couplings. XT-3 hoses are combined with Caterpillar couplings and O-ring face seal fittings to provide a leak-free system.

Clamps and Bushings. Metal clamps with rubber bushings are used at hose attachment points to eliminate metal-to-metal contact coursesy of Machine. Market

Operator Station

Designed for ease of operation and to maximize efficiency and productivity.



416D Utility Cab

Comfortable Work Environment. The 416D operator station incorporates

features for operator comfort and productivity. The open canopy is standard on the 416D.

Utility Cab. Includes a left side door, a standard heater and floor mats.



Utility Plus Cab. Includes two doors with opening glass, a radio ready headliner, 12-volt power supply, a left side storage console with drink holders,

side storage console with drink holders, tilt steering wheel, heater and floor mats.

Seats. Three seat options are available: static vinyl, air suspension vinyl and air suspension fabric. All of these feature improved contour seat cushions. The air suspension seat includes an air adjustment mechanism that controls the seat height with the push of a button, providing greater range and superior ride.

and air conditioning system main components are located near the floor and significant improvements have been made in air circulation, providing added comfort and increased defrost capabilities in the Utility and Utility Plus cabs.

HVAC System. The heating, ventilation



Machine Controls. Switches are relocated to operator level and the boom lock and pilot-operated stabilizer controls, which provide low effort and fine modulation, are within easy reach of the operator. New white-faced gauges are easy to read.

design reduces lever efforts, particularly with the foot swing control pattern.

Backhoe Controls. Four mechanical

control patterns are available: two-lever

excavator, two-lever backhoe and three-

or four-lever foot swing. A new linkage

Viewing Area. The narrow boom enhances the rear viewing area. The sloping front hood and divergent lift arms allow the operator to see more of the forward work area and loader attachments.

Courtesy of Machine.Market

Additional Features

Pilot operated stabilizer controls and other benefits contribute to the 416D function and efficiency.



Stackable Counterweights. Allow easy adjustment of weight distribution without having to completely replace an existing counterweight.

Tool and Battery Box. Spacious, convenient and secure tool storage location.

Fuel Tank. Large capacity tank located on the frame's left side is lockable and includes a replaceable, bolt-on step.



Pilot Operated Stablizer Controls. These provide low effort and fine modulation control. The stabilizer controls are within easy reach of the operator when operating the backhoe.



Flip-Open Hood. The flip-open hood opens easily and provides convenient access to all engine check points from the left side of the machine.

Courtesy of Machine. Market

Customer Support

Cat dealer services help you operate longer with lower costs.

Machine Selection. Make detailed comparisons of the machines under consideration before purchase. Cat dealers can estimate component life, preventative maintenance cost and the true cost of lost production.

Purchase. Look past initial price.
Consider the financing options available as well as day-to-day operating costs.
Look at dealer services that can be included in the cost of the machine to yield lower equipment owning and operating costs over the long run.

Customer Support Agreements.

Cat dealers offer a variety of product support agreements and work with customers to develop a plan that best meets specific needs. These plans can cover the entire machine, including attachments, to help protect the customer's investment.

Product Support. You will find nearly all parts at our dealer parts counter. Cat dealers use a worldwide computer network to find in-stock parts to minimize machine downtime. Save money with genuine Cat Reman parts. You receive the same warranty and reliability as new products at cost savings of 40 to 70 percent.

Operation. Improving operating techniques can boost your profits. Your Cat dealer has training videotapes, literature and other ideas to help you increase productivity.



Maintenance Services. Choose from your dealer's range of maintenance services when you purchase your machine. Repair option programs guarantee the cost of repairs up front. Diagnostic programs such as S·O·SSM and Coolant Sampling and Technical Analysis help you avoid unscheduled repairs.

Replacement. Repair, rebuild or replace? Your Cat dealer can help you evaluate the cost involved so you can make the right choice.

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	-	

Model

Model (Optional)

	Diesel	
Gross Power (Standard)	58 kW	77 hp
Gross Power (Optional)	62 kW	83 hp
Net Power (Standard)	55 kW	74 hp
Net Power (Optional)	59 kW	80 hp
Net Power - SAE J1349	55 kW	73 hp
Net Power - ISO 9249	55 kW	74 hp
Net Power - ISO 1585	55 kW	74 hp
Net Power - EEC 80/1269	55 kW	74 hp
DIN 70020	77 PS	
Bore (3054B)	103 mm	4.06 in
Stroke	127 mm	5 in
Displacement	4.2 L	258 in ³
Bore (3054T)	100 mm	3.94 in
Stroke	127 mm	5 in
Displacement	4 L	243 in ³
Net Torque Rise @ 1400 rpm		
Standard	20.6%	
Net Torque Rise @ 1400 rpm		
Optional	29.7%	

Cat 3054B Diesel

Cat 3054T Turbocharged

388 ft-lb

447 ft-lb

625 lb

523 lb

320 lb

230 lb

470 lb

· The net power ratings apply at 2200 rpm when tested under the specified conditions for the specified standard.

286 Nm

330 Nm

Net Torque Rise meets SAE J1349.

Net Peak Torque @ 1400 rpm

Net Peak Torque @ 1400 rpm

Standard

Optional

Weights Operating Weight - Nominal 6900 kg 15,257 lb 21,605 lb 9800 kg Operating Weight - Maximum 495 lb 225 kg Cab. ROPS/FOPS 106 kg 234 lb All-Wheel Drive MP Bucket 0.96 m3 (1.25 yd3) 1,000 lb 454 kg w/Fold-Over Fork MP Bucket 0.96 m3 (1.25 yd3)

283 kg

237 kg

145 kg

104 kg

213 kg

- Bumper (16 kg/35 lb) is standard with all units.
- Total gross machine weight not to exceed 9800 kg (21,605 lb).

Backhoe

Dig Depth - Standard	4390 mm	14 ft 5 in
Dig Depth - E-Stick Extended	5510 mm	18 ft 1 in
Reach from Swing Pivot -	of the second	HILLY WINGE
Standard	5650 mm	18 ft 6 in
Reach from Swing Pivot -		
E-Stick Retracted	5705 mm	18 ft 9 in
Reach from Swing Pivot -		
E-Stick Extended	6675 mm	21 ft 11 in
Bucket Rotation	205°	
Bucket Dig Force - Standard	52 kN	11,702 lb
Bucket Dig Force - E-Stick		
Retracted	51.6 kN	11,599 lb
Bucket Dig Force - E-Stick		
Extended	51.6 kN	11,599 lb
Stick Dig Force - Standard	34.9 kN	7,841 lb
Stick Dig Force - E-Stick		
Retracted	34.2 kN	7,693 lb
Stick Dig Force - E-Stick		
Extended	25.2 kN	5,661 lb
Stick Lift @ 1219 mm (4 ft) -		
Standard	4448 kg	9,807 lb
Stick Lift @ 1219 mm (4 ft) -		
E-Stick Retracted	3436 kg	7,574 lb
Stick Lift @ 1219 mm (4 ft) -		C111 C-7000 1
E-Stick Extended	1564 kg	3,448 lb
Dig Depth - E-Stick Retracted	4465 mm	14 ft 8 in
Loading Height	3613 mm	11ft 10 in
Loading Reach	1732 mm	5ft 8 in

Turning Circle: outside, front wheels 8.1 m

Turning Circle: outside, widest

Operating Specifications — Backhoe

loading bucket

ISO 5010 1992.

- 2WD, AWD (inner wheel not braked).

w/o Fold-Over Fork

Counterweights, Base

Counterweights, Stack (1)

Extendible Stick (no weights)

Counterweights, Stack (3), each

26 ft 9 in

35 ft

10.7 m

Loader			Power Train		
Bucket Capacity - General	S77		Power-Shuttle, Forward 1st	5.8 kph	3.6 mph
Purpose	0.96 m ³	1.25 yd³	Forward 2nd	9.3 kph	5.8 mph
Bucket Width - General	5325	12.00	Forward 3rd	19.2 kph	12 mph
Purpose	2262 mm	7.5 in	Forward 4th	32.8 kph	20.4 mph
Dump Height @ Max Angle, Single-tilt	2544 mm	8 ft 4 in	Power-Shuttle, Reverse 1st	5.8 kph	3.6 mph
Dump Reach @ Max Angle,	2344 111111	011.4111	Reverse 2nd	9.3 kph	5.8 mph
Single-tilt	835 mm	2 ft 9 in	Reverse 3rd	19.2 kph	12 mph
Dig Depth Single-tilt	135 mm	5 in	Reverse 4th	32.8 kph	20.4 mph
Lift Capacity @ Full Height Single-tilt	2400 kg	5,292 lb	Conveniently placed, hand ope	rated lever pr	ovides instant
Bucket Breakout Force - Single-tilt	37.9 kN	8,524 lb	direction changes between for power hydraulic clutches. Torque converter free-wheel c stator to free-wheel during high	lutch allows ti	ne converter
Hydraulic System			such as roading. • Single-stage, 2.63:1 stall ratio.	Popur Dos de la Recorda Director	easily esercicosum ale
Circuit Type	Load-sensing	g, closed-center	 Travel speeds of two wheel dri throttle, when equipped with 1 		
Pump Capacity (@ 2200 rpm)	139 L/min	37 gal/min	an outs, when equipped with the	O.OXETTOGT GTC	
System Pressure	20 685 kPa	3,000 psi			
Pump Type	Variable flow	, axial piston	C D. CH		
Steering Type	Front wheel		Service Refills		
Power Steering	Hydrostatic		Cooling System, A/C	15.9 L	4.2 gal
2WD Cylinder - Bore	70 mm	2.75 in	Cooling System, High-Ambient	16.7 L	4.4 gal
Stroke	224 mm	8.8 in	Fuel Tank	128.7 L	34 gal
Rod Dia.	44 mm	1.75 in	Engine Oil w/Filter	7.6 L	2 gal
AWD Cylinder - Bore	65 mm	2.56 in	Transmission, 2WD, Power	7.14.14.	E gui
Stroke	211 mm	8.3 in	Shuttle	15.1 L	4 gal
Rod Dia.	36 mm	1.42 in	Transmission, AWD, Power		
Brake System	Inboard/oil-ir	nmersed	Shuttle	18.2 L	4.8 gal
			Rear Axle	24.2 L	6.4 gal
Brakes			Front Axle, AWD	7.6 L	2 gal
 Inboard oil-immersed, hydrau 	lically-actuated	multiple dises	Front Axle, Planetaries	0.8 L	0.2 gal
on final drive input shaft.	meany-actuated,	multiple discs	Hydraulic System	79 L	21 gal
 Self-adjusting and completely Foot operated brake pedals c Parking/secondary brakes are 	an be interlocke e independent of	d for roading. the service	Hydraulic Tank	38 L	10 gal
brake system. Parking brake i an adjustable hand lever loca			(Courtesy of Mac	hine.Market

Axle Ratings

Front Axle, 2WD, Static	13 765 kg	30,319 lb
2WD, Dynamic	3170 kg	6,983 lb
Front Axle, AWD, Static	12 271 kg	27,029 lb
AWD, Dynamic	3170 kg	6,983 lb
Rear Axle, Static	27 800 kg	61,233 lb
Dynamic	9270 kg	20,418 lb

 AWD and 2WD axles are pendulum mounted and permanently sealed and lubricated, requiring no daily maintenance. Also features double-acting steering cylinder with 50° steering angle for increased maneuverability. Oscillation 11° each direction from centerline.

Standards

Steering

 Steering system meets secondary system roading regulations including ISO 5010.

ROPS

 ROPS (Rollover Protective Structure) offered by Caterpillar for this machine meets ROPS criteria SAE J397, SAE J1040 MAY 1994 and ISO 3741 1994. FOPS (Falling Object Protective Structure) meets criteria SAE J231 JAN 1981 and ISO 3449 1992.

Cab

- When properly installed and maintained, the enclosed cab
 offered by Caterpillar meets OSHA and MSHA requirements
 for operator sound exposure limits in effect at the time of
 manufacture. When tested with doors and windows closed
 and measured according to ANSI/SAE J1166 OCT 98, the
 operator sound exposure Leq (equivalent sound pressure
 level) is 78.5 dB(A).
- The exterior sound pressure level for the standard machine measured at a distance specified in SAE J88 APR 95, midgear-moving operation is 73.0 dB(A).

Brakes

 Brakes meet the following standards: SAE J1473 OCT 90 and ISO 3450 96 requirements.

Engine Power Rating Conditions

- Based on standard air conditions of 25° C (77° F) and 99 kPa (29.32 in) dry barometer.
- Used 35° API gravity fuel having an LHV of 42,780 kJ/kg (18,390 BTU/lb) when used at 30° C (86° F) (reference a fuel density of 838.9 g/L [7.001 lb/gal]).
- Net power advertised is the power available at the flywheel when the engine is equipped with fan, air cleaner, muffler and alternator.
- No derating required up to 2286 m (7,500 ft).

Engine Features

- Controlled expansion, three-ring pistons made of lightweight, silicon/aluminum alloy for strength and maximum thermal conductivity.
- Forged chrome/molybdenum-steel crankshaft with tuffride hardened journals.
- Front and rear crankshaft oil seals are "lip" type Viton design with an integral dust lip.
- Heat resistant, silicone-chrome steel intake and STELLITEfaced exhaust valves provide long engine life.
- Cylinder block is high strength cast iron alloy of deep-skirt, monobloc design for increased strength and long life. Uses replaceable flanged press-fit, dry-type, cast iron liners.
- Cylinder head is high strength, cast iron alloy construction with extra duty wall and deck thickness. Intake and exhaust ports are fully machined.
- Direct injection fuel system provides accurate fuel delivery.
 Injectors are easily accessible.
- Dry-type, radial seal, two-stage air cleaner improves visibility by eliminating hood mounted precleaner.
- Direct electric, 12-volt starting and charging system with 700 CCA Group 31 maintenance free battery.
- Standard thermal starting aid system for efficient cold weather starting.

Tires

Tubeless, nylon, loader-design tires.

		Ply
Туре	Size	Rating
2WD Bias		
Front	11L x 16	12
Rear	19.5 x 24	10
4WD Bias		
Front	12.5/80 x 18	10
Rear	19.5 x 24	10
4WD Radial		
Front	340/80 x R18	radial
Rear	19.5 x 24	radial
4WD Combination		
Front	340/80 x R18	radial
Rear	19.5 x 24	10

Standard Duty Buckets

With weld-on adapters and pin-on teeth.

Capacities SAE

(liters/ft1)

78/2.8

118/4.2

175/6.2

233/8.2

292/10.3

Width

(mm/in)

305/12

457/18

610/24

762/30

914/36

Heavy	Duty	Bucl	cets
-------	------	------	------

Width

(mm/in)

305/12

406/16

457/18

610/24

762/30

914/36

bumper

lb.

1,250

1,250

550

320

bumper

bumper

With weld-on adapters and pin-on teeth.

Capacities SAE

(liters/ft)

78/2.8

105/3.7

118/4.2

175/6.2

233/8.2

292/10.3

Weight

(kg/lb)

105/231

127/279

129/284

151/332

167/367

189/416

Weight

(kg/lb)

120/265

150/331

175/386

195/430

210/463

No. of

Teeth

3

3

4

5

5

No. of

Teeth

3

4

5

5

1,75	pacity Buck and adapters and pin-or				uty Rock Bucl adapters and pin-on te	
Width (mm/in)	Capacities SAE (liters/ft [†])	Weight (kg/lb)	No. of Teeth	Width (mm/in)	Capacities SAE (liters/ft³)	We (kg
457/18	180/6.4	146/321	4	305/12	70/2.5	120
610/24	240/8.5	171/376	5	457/18	127/4.5	150
762/30	320/11.3	195/429	5	610/24	198/7.0	175
914/36	380/13.4	214/471	6	762/30	255/9.5	195
				914/36	311/11.5	210
Counter	weights	mmendations —	- Standard Stic	k		
	ounterweight Reco	mmendations — Power Train	- Standard Stic	k Ib		
Minimum Co Loader Buck	ounterweight Reco					
Minimum Co	ounterweight Reco	Power Train	kg	lb		

2WD/AWD

Power Train

2WD

AWD

2WD

AWD

2WD

AWD

Minimum Counterweight Recommendations — Extendible Stick

Weight

(kg/lb)

97/213

115/253

132/290

147/323

165/363

No. of

Teeth

3

4

5

5

6

bumper

kg

570

570

250

145

bumper

bumper

MP with fold-over forks

MP with fold-over forks

MP with fold-over forks

Loader Bucket

GP

GP

MP

MP

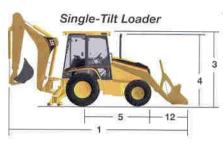
Machine Dimensions

	General Purpose (0.76 m³/1.0 yd³)	General Purpose (0.96 m ³ /1.25 yd ³)	Multi Purpose (0.96 m³/1.25 yd³)
Overall transport length	6949 mm/22 ft 10 in	7019 mm/23 ft 0 in	6974 mm/22 ft 11 in
Overall length	December 12 and	110000000000000000000000000000000000000	
(loader on ground)	6929 mm/22 ft 9 in	6999 mm/23 ft 0 in	6954 mm/22 ft 10 in
Overall transport height			
standard stick)	3585 mm/11 ft 9 in	3585 mm/11 ft 9 in	3585 mm/11 ft 9 in
Overall transport height			SSEMAN NINE KONSING
(extendible stick)	3590 mm/11 ft 9 in	3590 mm/11 ft 9 in	3590 mm/11 ft 9 in
Overall width	2352 mm/7 ft 9 in	2352 mm/7 ft 9 in	2352 mm/7 ft 9 in
Height to top	STATE OF THE STATE	CAMPANA CONTRACTANTA INC.	
of cab/canopy	2770 mm/9 ft 1 in	2770 mm/9 ft 1 in	2770 mm/9 ft 1 in
Height to top	Company of the Control of Control	2770 19 6 0 1	2/70/0 6 0 1
f exhaust stack	2670 mm/8 ft 9 in	2670 mm/8 ft 9 in	2670 mm/8 ft 9 in
Height to loader	510 mm/1 ft 8 in	510 mm/1 ft 8 in	510 mm/1 ft 8 in
inge pin (transport)	310 mm/1 108 m	310 mm/1 it 8 m	510 mm/1 it 6 m
Ground clearance	297 mm/1 ft 0 in	297 mm/1 ft 0 in	297 mm/1 ft 0 in
minimum) Rear axle centerline	297 mma i It O m	201 mmrt it O m	277 mm/1 it v iii
to front grill	2660 mm/8 ft 9 in	2660 mm/8 ft 9 in	2660 mm/8 ft 9 in
Front wheel tread gauge	1871 mm/6 ft 2 in	1871 mm/6 ft 2 in	1871 mm/6 ft 2 in
Rear wheel tread gauge	1714 mm/5 ft 8 in	1714 mm/5 ft 8 in	1714 mm/5 ft 8 in
Wheelbase	1714 miles result	1,1,11111112110111	1/1/11111111111111111111111111111111111
	2100 mm/6 ft 11 in	2100 mm/6 ft 11 in	2100 mm/6 ft 11 in
2WD/AWD	2100 mm/o R 11 m		F - 1 - 11 - 15
dor Pueket Dimension	2000 A 200 A 2		
der Bucket Dimension	2000 A 200 A 2		10-11M PM
DONCORD NOT SHOW	s and Performance	Single-Tilt Loader	
e-Andrews Andrews	2000 A 200 A 2	Single-Tilt Loader General Purpose (0.96 m³/1.25 yd³)	Multi Purpose (0.96 m³/1.25 yd³)
der Bucket Dimension	s and Performance	General Purpose	
der Bucket Dimension	General Purpose (0.76 m³/1.0 yd³)	General Purpose (0.96 m³/1.25 yd³)	(0.96 m³/1.25 yd³)
AND THE PROPERTY AND TH	General Purpose (0.76 m³/1.0 yd³) 0.76 m³/1.0 yd³ 2262 mm/7 ft 5 in	General Purpose (0.96 m³/1.25 yd³) 0.96 m³/1.25 yd³ 2262 mm/7 ft 5 in	(0.96 m³/1.25 yd³) 0.96 m³/1.25 yd³ 2262 mm/7 ft 5 in
Capacity (SAE) rated Width Lift capacity	General Purpose (0.76 m³/1.0 yd³)	General Purpose (0.96 m³/1.25 yd³) 0.96 m³/1.25 yd³ 2262 mm/7 ft 5 in 2400 kg/5,292 lb	(0.96 m³/1.25 yd³) 0.96 m³/1.25 yd³ 2262 mm/7 ft 5 in 2240 kg/4,938 lb
ler Bucket Dimensions Capacity (SAE) rated Width Lift capacity at maximum height	General Purpose (0.76 m³/1.0 yd³) 0.76 m³/1.0 yd³ 2262 mm/7 ft 5 in	General Purpose (0.96 m³/1.25 yd³) 0.96 m³/1.25 yd³ 2262 mm/7 ft 5 in 2400 kg/5,292 lb 37.9 kN/8,524 lb	(0.96 m³/1.25 yd³) 0.96 m³/1.25 yd³ 2262 mm/7 ft 5 in 2240 kg/4,938 lb 37.5 kN/8,429 lb
der Bucket Dimension: Capacity (SAE) rated Width Lift capacity at maximum height Breakout force	General Purpose (0.76 m³/1.0 yd³) 0.76 m³/1.0 yd³ 2262 mm/7 ft 5 in	General Purpose (0.96 m³/1.25 yd³) 0.96 m³/1.25 yd³ 2262 mm/7 ft 5 in 2400 kg/5,292 lb 37.9 kN/8,524 lb 3266 mm/10 ft 9 in	(0.96 m³/1.25 yd³) 0.96 m³/1.25 yd³ 2262 mm/7 ft 5 in 2240 kg/4,938 lb 37.5 kN/8,429 lb 3266 mm/10 ft 9 in
Capacity (SAE) rated Width Lift capacity at maximum height Breakout force Maximum hinge pin height	General Purpose (0.76 m³/1.0 yd³) 0.76 m³/1.0 yd³ 2262 mm/7 ft 5 in 2473 kg/5,453 lb 40.0 kN/8,980 lb	General Purpose (0.96 m³/1.25 yd³) 0.96 m³/1.25 yd³ 2262 mm/7 ft 5 in 2400 kg/5,292 lb 37.9 kN/8,524 lb 3266 mm/10 ft 9 in 43°	(0.96 m³/1.25 yd³) 0.96 m³/1.25 yd³ 2262 mm/7 ft 5 in 2240 kg/4,938 lb 37.5 kN/8,429 lb 3266 mm/10 ft 9 in 43°
Capacity (SAE) rated Width Lift capacity at maximum height Breakout force Maximum hinge pin height Dump angle at full height	General Purpose (0.76 m³/1.0 yd³) 0.76 m³/1.0 yd³ 2262 mm/7 ft 5 in 2473 kg/5,453 lb 40.0 kN/8,980 lb 3266 mm/10 ft 9 in	General Purpose (0.96 m³/1.25 yd³) 0.96 m³/1.25 yd³ 2262 mm/7 ft 5 in 2400 kg/5,292 lb 37.9 kN/8,524 lb 3266 mm/10 ft 9 in	(0.96 m³/1.25 yd³) 0.96 m³/1.25 yd³ 2262 mm/7 ft 5 in 2240 kg/4,938 lb 37.5 kN/8,429 lb 3266 mm/10 ft 9 in
Capacity (SAE) rated Width Lift capacity at maximum height Breakout force Maximum hinge pin height Dump angle at full height Dump height at maximum angle	General Purpose (0.76 m³/1.0 yd³) 0.76 m³/1.0 yd³ 2262 mm/7 ft 5 in 2473 kg/5,453 lb 40.0 kN/8,980 lb 3266 mm/10 ft 9 in 43°	General Purpose (0.96 m³/1.25 yd³) 0.96 m³/1.25 yd³ 2262 mm/7 ft 5 in 2400 kg/5,292 lb 37.9 kN/8,524 lb 3266 mm/10 ft 9 in 43°	(0.96 m³/1.25 yd³) 0.96 m³/1.25 yd³ 2262 mm/7 ft 5 in 2240 kg/4,938 lb 37.5 kN/8,429 lb 3266 mm/10 ft 9 in 43°
Capacity (SAE) rated Width Lift capacity at maximum height Breakout force Maximum hinge pin height Dump angle at full height Dump height at maximum angle Dump reach at maximum angle	General Purpose (0.76 m³/1.0 yd³) 0.76 m³/1.0 yd³ 2262 mm/7 ft 5 in 2473 kg/5,453 lb 40.0 kN/8,980 lb 3266 mm/10 ft 9 in 43° 2621 mm/8 ft 7 in 753 mm/2 ft 6 in	General Purpose (0.96 m³/1.25 yd³) 0.96 m³/1.25 yd³ 2262 mm/7 ft 5 in 2400 kg/5,292 lb 37.9 kN/8,524 lb 3266 mm/10 ft 9 in 43° 2544 mm/8 ft 4 in	(0.96 m³/1.25 yd³) 0.96 m³/1.25 yd³ 2262 mm/7 ft 5 in 2240 kg/4,938 lb 37.5 kN/8,429 lb 3266 mm/10 ft 9 in 43° 2609 mm/8 ft 7 in
Capacity (SAE) rated Width Lift capacity at maximum height Breakout force Maximum hinge pin height Dump angle at full height Dump height at maximum angle Dump reach at maximum angle Maximum bucket rollback	General Purpose (0.76 m³/1.0 yd³) 0.76 m³/1.0 yd³ 2262 mm/7 ft 5 in 2473 kg/5,453 lb 40.0 kN/8,980 lb 3266 mm/10 ft 9 in 43° 2621 mm/8 ft 7 in	General Purpose (0.96 m³/1.25 yd³) 0.96 m³/1.25 yd³ 2262 mm/7 ft 5 in 2400 kg/5,292 lb 37.9 kN/8,524 lb 3266 mm/10 ft 9 in 43° 2544 mm/8 ft 4 in	(0.96 m³/1.25 yd³) 0.96 m³/1.25 yd³ 2262 mm/7 ft 5 in 2240 kg/4,938 lb 37.5 kN/8,429 lb 3266 mm/10 ft 9 in 43° 2609 mm/8 ft 7 in
Capacity (SAE) rated Width Lift capacity at maximum height Breakout force Maximum hinge pin height Dump angle at full height Dump height at maximum angle Dump reach at maximum angle Maximum bucket rollback at ground level	General Purpose (0.76 m³/1.0 yd³) 0.76 m³/1.0 yd³ 2262 mm/7 ft 5 in 2473 kg/5,453 lb 40.0 kN/8,980 lb 3266 mm/10 ft 9 in 43° 2621 mm/8 ft 7 in 753 mm/2 ft 6 in	General Purpose (0.96 m³/1.25 yd³) 0.96 m³/1.25 yd³ 2262 mm/7 ft 5 in 2400 kg/5,292 lb 37.9 kN/8,524 lb 3266 mm/10 ft 9 in 43° 2544 mm/8 ft 4 in 835 mm/2 ft 9 in	(0.96 m³/1.25 yd³) 0.96 m³/1.25 yd³ 2262 mm/7 ft 5 in 2240 kg/4,938 lb 37.5 kN/8,429 lb 3266 mm/10 ft 9 in 43° 2609 mm/8 ft 7 in 721 mm/2 ft 4 in
Capacity (SAE) rated Width Lift capacity at maximum height Breakout force Maximum hinge pin height Dump angle at full height Dump height at maximum angle Dump reach at maximum angle Maximum bucket rollback at ground level Digging depth	General Purpose (0.76 m³/1.0 yd³) 0.76 m³/1.0 yd³ 2262 mm/7 ft 5 in 2473 kg/5,453 lb 40.0 kN/8,980 lb 3266 mm/10 ft 9 in 43° 2621 mm/8 ft 7 in 753 mm/2 ft 6 in	General Purpose (0.96 m³/1.25 yd³) 0.96 m³/1.25 yd³ 2262 mm/7 ft 5 in 2400 kg/5,292 lb 37.9 kN/8,524 lb 3266 mm/10 ft 9 in 43° 2544 mm/8 ft 4 in 835 mm/2 ft 9 in	(0.96 m³/1.25 yd³) 0.96 m³/1.25 yd³ 2262 mm/7 ft 5 in 2240 kg/4,938 lb 37.5 kN/8,429 lb 3266 mm/10 ft 9 in 43° 2609 mm/8 ft 7 in 721 mm/2 ft 4 in
Capacity (SAE) rated Width Lift capacity at maximum height Breakout force Maximum hinge pin height Dump angle at full height Dump height at maximum angle Dump reach at maximum angle Maximum bucket rollback at ground level	General Purpose (0.76 m³/1.0 yd³) 0.76 m³/1.0 yd³ 2262 mm/7 ft 5 in 2473 kg/5,453 lb 40.0 kN/8,980 lb 3266 mm/10 ft 9 in 43° 2621 mm/8 ft 7 in 753 mm/2 ft 6 in	General Purpose (0.96 m³/1.25 yd³) 0.96 m³/1.25 yd³ 2262 mm/7 ft 5 in 2400 kg/5,292 lb 37.9 kN/8,524 lb 3266 mm/10 ft 9 in 43° 2544 mm/8 ft 4 in 835 mm/2 ft 9 in	(0.96 m³/1.25 yd³) 0.96 m³/1.25 yd³ 2262 mm/7 ft 5 in 2240 kg/4,938 lb 37.5 kN/8,429 lb 3266 mm/10 ft 9 in 43° 2609 mm/8 ft 7 in 721 mm/2 ft 4 in
Capacity (SAE) rated Width Lift capacity at maximum height Breakout force Maximum hinge pin height Dump angle at full height Dump height at maximum angle Dump reach at maximum angle Maximum bucket rollback at ground level Digging depth Maximum grading angle Width of dozer cutting edge	General Purpose (0.76 m³/1.0 yd³) 0.76 m³/1.0 yd³ 2262 mm/7 ft 5 in 2473 kg/5,453 lb 40.0 kN/8,980 lb 3266 mm/10 ft 9 in 43° 2621 mm/8 ft 7 in 753 mm/2 ft 6 in	General Purpose (0.96 m³/1.25 yd³) 0.96 m³/1.25 yd³ 2262 mm/7 ft 5 in 2400 kg/5,292 lb 37.9 kN/8,524 lb 3266 mm/10 ft 9 in 43° 2544 mm/8 ft 4 in 835 mm/2 ft 9 in 40° 135 mm/5 in 106°	(0.96 m³/1.25 yd³) 0.96 m³/1.25 yd³ 2262 mm/7 ft 5 in 2240 kg/4,938 lb 37.5 kN/8,429 lb 3266 mm/10 ft 9 in 43° 2609 mm/8 ft 7 in 721 mm/2 ft 4 in 40° 166 mm/6 in 110° 2406 mm/7 ft 11 in
Capacity (SAE) rated Width Lift capacity at maximum height Breakout force Maximum hinge pin height Dump angle at full height Dump height at maximum angle Dump reach at maximum angle Maximum bucket rollback at ground level Digging depth Maximum grading angle Width of dozer cutting edge	General Purpose (0.76 m³/1.0 yd³) 0.76 m³/1.0 yd³ 2262 mm/7 ft 5 in 2473 kg/5,453 lb 40.0 kN/8,980 lb 3266 mm/10 ft 9 in 43° 2621 mm/8 ft 7 in 753 mm/2 ft 6 in	General Purpose (0.96 m³/1.25 yd³) 0.96 m³/1.25 yd³ 2262 mm/7 ft 5 in 2400 kg/5,292 lb 37.9 kN/8,524 lb 3266 mm/10 ft 9 in 43° 2544 mm/8 ft 4 in 835 mm/2 ft 9 in 40° 135 mm/5 in 106°	(0.96 m³/1.25 yd³) 0.96 m³/1.25 yd³ 2262 mm/7 ft 5 in 2240 kg/4,938 lb 37.5 kN/8,429 lb 3266 mm/10 ft 9 in 43° 2609 mm/8 ft 7 in 721 mm/2 ft 4 in 40° 166 mm/6 in 110°
Capacity (SAE) rated Width Lift capacity at maximum height Breakout force Maximum hinge pin height Dump angle at full height Dump height at maximum angle Dump reach at maximum angle Maximum bucket rollback at ground level Digging depth Maximum grading angle Width of dozer cutting edge Grill to bucket cutting edge, carry position	General Purpose (0.76 m³/1.0 yd³) 0.76 m³/1.0 yd³) 2262 mm/7 ft 5 in 2473 kg/5,453 lb 40.0 kN/8,980 lb 3266 mm/10 ft 9 in 43° 2621 mm/8 ft 7 in 753 mm/2 ft 6 in 40° 135 mm/5 in 110° N/A	General Purpose (0.96 m³/1.25 yd³) 0.96 m³/1.25 yd³ 2262 mm/7 ft 5 in 2400 kg/5,292 lb 37.9 kN/8,524 lb 3266 mm/10 ft 9 in 43° 2544 mm/8 ft 4 in 835 mm/2 ft 9 in 40° 135 mm/5 in 106° N/A	(0.96 m³/1.25 yd³) 0.96 m³/1.25 yd³ 2262 mm/7 ft 5 in 2240 kg/4,938 lb 37.5 kN/8,429 lb 3266 mm/10 ft 9 in 43° 2609 mm/8 ft 7 in 721 mm/2 ft 4 in 40° 166 mm/6 in 110° 2406 mm/7 ft 11 in
Capacity (SAE) rated Width Lift capacity at maximum height Breakout force Maximum hinge pin height Dump angle at full height Dump height at maximum angle Dump reach at maximum angle Maximum bucket rollback at ground level Digging depth Maximum grading angle Width of dozer cutting edge Grill to bucket cutting edge, carry position	General Purpose (0.76 m³/1.0 yd³) 0.76 m³/1.0 yd³ 2262 mm/7 ft 5 in 2473 kg/5,453 lb 40.0 kN/8,980 lb 3266 mm/10 ft 9 in 43° 2621 mm/8 ft 7 in 753 mm/2 ft 6 in 40° 135 mm/5 in 110° N/A	General Purpose (0.96 m³/1.25 yd³) 0.96 m³/1.25 yd³ 2262 mm/7 ft 5 in 2400 kg/5,292 lb 37.9 kN/8,524 lb 3266 mm/10 ft 9 in 43° 2544 mm/8 ft 4 in 835 mm/2 ft 9 in 40° 135 mm/5 in 106° N/A	(0.96 m³/1.25 yd³) 0.96 m³/1.25 yd³ 2262 mm/7 ft 5 in 2240 kg/4,938 lb 37.5 kN/8,429 lb 3266 mm/10 ft 9 in 43° 2609 mm/8 ft 7 in 721 mm/2 ft 4 in 40° 166 mm/6 in 110° 2406 mm/7 ft 11 in
Capacity (SAE) rated Width Lift capacity at maximum height Breakout force Maximum hinge pin height Dump angle at full height Dump height at maximum angle Dump reach at maximum angle Maximum bucket rollback at ground level Digging depth Maximum grading angle Width of dozer cutting edge Grill to bucket cutting edge, carry position Maximum operating height	General Purpose (0.76 m³/1.0 yd³) 0.76 m³/1.0 yd³ 2262 mm/7 ft 5 in 2473 kg/5,453 lb 40.0 kN/8,980 lb 3266 mm/10 ft 9 in 43° 2621 mm/8 ft 7 in 753 mm/2 ft 6 in 40° 135 mm/5 in 110° N/A	General Purpose (0.96 m³/1.25 yd³) 0.96 m³/1.25 yd³ 2262 mm/7 ft 5 in 2400 kg/5,292 lb 37.9 kN/8,524 lb 3266 mm/10 ft 9 in 43° 2544 mm/8 ft 4 in 835 mm/2 ft 9 in 40° 135 mm/5 in 106° N/A	(0.96 m³/1.25 yd³) 0.96 m³/1.25 yd³ 2262 mm/7 ft 5 in 2240 kg/4,938 lb 37.5 kN/8,429 lb 3266 mm/10 ft 9 in 43° 2609 mm/8 ft 7 in 721 mm/2 ft 4 in 40° 166 mm/6 in 110° 2406 mm/7 ft 11 in 1501 mm/4 ft 11 in 4174 mm/13 ft 8 in
Capacity (SAE) rated Width Lift capacity at maximum height Breakout force Maximum hinge pin height Dump angle at full height Dump height at maximum angle Dump reach at maximum angle Maximum bucket rollback at ground level Digging depth Maximum grading angle Width of dozer cutting edge Grill to bucket cutting edge, carry position Maximum operating height Jaw opening maximum	General Purpose (0.76 m³/1.0 yd³) 0.76 m³/1.0 yd³) 2262 mm/7 ft 5 in 2473 kg/5,453 lb 40.0 kN/8,980 lb 3266 mm/10 ft 9 in 43° 2621 mm/8 ft 7 in 753 mm/2 ft 6 in 40° 135 mm/5 in 110° N/A 1474 mm/4 ft 10 in 3996 mm/13 ft 1 in N/A	General Purpose (0.96 m³/1.25 yd³) 0.96 m³/1.25 yd³ 2262 mm/7 ft 5 in 2400 kg/5,292 lb 37.9 kN/8,524 lb 3266 mm/10 ft 9 in 43° 2544 mm/8 ft 4 in 835 mm/2 ft 9 in 40° 135 mm/5 in 106° N/A 1548 mm/5 ft 1 in 4146 mm/13 ft 7 in N/A	(0.96 m³/1.25 yd³) 0.96 m³/1.25 yd³ 2262 mm/7 ft 5 in 2240 kg/4,938 lb 37.5 kN/8,429 lb 3266 mm/10 ft 9 in 43° 2609 mm/8 ft 7 in 721 mm/2 ft 4 in 40° 166 mm/6 in 110° 2406 mm/7 ft 11 in 1501 mm/4 ft 11 in 4174 mm/13 ft 8 in 790 mm/2 ft 7 in
Capacity (SAE) rated Width Lift capacity at maximum height Breakout force Maximum hinge pin height Dump angle at full height Dump height at maximum angle Dump reach at maximum angle Maximum bucket rollback at ground level Digging depth Maximum grading angle Width of dozer cutting edge Grill to bucket cutting edge, carry position Maximum operating height Jaw opening maximum Bucket jaw clamping force	General Purpose (0.76 m³/1.0 yd³) 0.76 m³/1.0 yd³) 2262 mm/7 ft 5 in 2473 kg/5,453 lb 40.0 kN/8,980 lb 3266 mm/10 ft 9 in 43° 2621 mm/8 ft 7 in 753 mm/2 ft 6 in 40° 135 mm/5 in 110° N/A 1474 mm/4 ft 10 in 3996 mm/13 ft 1 in N/A	General Purpose (0.96 m³/1.25 yd³) 0.96 m³/1.25 yd³ 2262 mm/7 ft 5 in 2400 kg/5,292 lb 37.9 kN/8,524 lb 3266 mm/10 ft 9 in 43° 2544 mm/8 ft 4 in 835 mm/2 ft 9 in 40° 135 mm/5 in 106° N/A 1548 mm/5 ft 1 in 4146 mm/13 ft 7 in N/A	(0.96 m³/1.25 yd³) 0.96 m³/1.25 yd³ 2262 mm/7 ft 5 in 2240 kg/4,938 lb 37.5 kN/8,429 lb 3266 mm/10 ft 9 in 43° 2609 mm/8 ft 7 in 721 mm/2 ft 4 in 40° 166 mm/6 in 110° 2406 mm/7 ft 11 in 1501 mm/4 ft 11 in 4174 mm/13 ft 8 in 790 mm/2 ft 7 in
Capacity (SAE) rated Width Lift capacity at maximum height Breakout force Maximum hinge pin height Dump angle at full height Dump height at maximum angle Dump reach at maximum angle Maximum bucket rollback at ground level Digging depth Maximum grading angle Width of dozer cutting edge Grill to bucket cutting edge, carry position Maximum operating height Jaw opening maximum Bucket jaw clamping force Weight (does not include	General Purpose (0.76 m³/1.0 yd³) 0.76 m³/1.0 yd³ 2262 mm/7 ft 5 in 2473 kg/5,453 lb 40.0 kN/8,980 lb 3266 mm/10 ft 9 in 43° 2621 mm/8 ft 7 in 753 mm/2 ft 6 in 40° 135 mm/5 in 110° N/A 1474 mm/4 ft 10 in 3996 mm/13 ft 1 in N/A N/A	General Purpose (0.96 m³/1.25 yd³) 0.96 m³/1.25 yd³ 2262 mm/7 ft 5 in 2400 kg/5,292 lb 37.9 kN/8,524 lb 3266 mm/10 ft 9 in 43° 2544 mm/8 ft 4 in 835 mm/2 ft 9 in 40° 1.35 mm/5 in 106° N/A 1548 mm/5 ft 1 in 4146 mm/13 ft 7 in N/A N/A	(0.96 m³/1.25 yd³) 0.96 m³/1.25 yd³ 2262 mm/7 ft 5 in 2240 kg/4,938 lb 37.5 kN/8,429 lb 3266 mm/10 ft 9 in 43° 2609 mm/8 ft 7 in 721 mm/2 ft 4 in 40° 166 mm/6 in 110° 2406 mm/7 ft 11 in 4174 mm/13 ft 8 in 790 mm/2 ft 7 in 50.6 kN/11.385 lb

Single-Tilt Loader

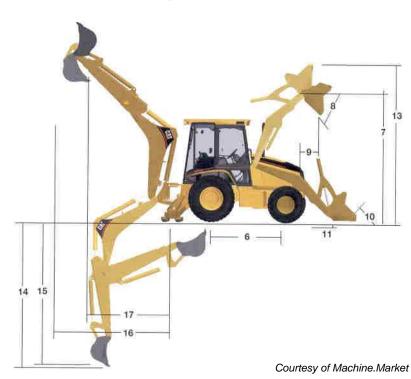
Backhoe Dimensions and Performance

		Standard Stick	Extendible Stick Retracted	Extendible Stick Extended
(14)	Digging depth, SAE (max)	4390 mm/14 ft 5 in	4465 mm/14 ft 8 in	5510 mm/18 ft 1 in
(15)	Digging depth, 2 ft flat bottom	4362 mm/14 ft 4 in	4432 mm/14 ft 7 in	5474 mm/18 ft 0 in
	Reach from rear axle centerline at ground line	6740 mm/22 ft 1 in	6795 mm/22 ft 4 in	7765 mm/25 ft 6 in
16)	Reach from swing pivot at ground line	5650 mm/18 ft 6 in	5705 mm/18 ft 9 in	6675 mm/21 ft 11 in
	Maximum operating height	5450 mm/17 ft 11 in	5470 mm/17 ft 11 in	6140 mm/20 ft 2 in
	Loading height	3613 mm/11 ft 10 in	3630 mm/11 ft 11 in	4175 mm/13 ft 8 in
(7)	Loading reach	1732 mm/5 ft 8 in	1819 mm/6 ft 0 in	2736 mm/9 ft 0 in
	Swing are	180°	180°	180°
	Bucket rotation	205°	205°	205°
8)	Stabilizer spread, operating position (center of pad)	3219 mm/10 ft 7 in	3219 mm/10 ft 7 in	3219 mm/10 ft 7 in
9)	Stabilizer spread, operating position (outside edge of pad)	3689 mm/12 ft 1 in	3689 mm/12 ft 1 in	3689 mm/12 ft 1 in
	Stabilizer spread, transport position	2352 mm/7 ft 9 in	2352 mm/7 ft 9 in	2352 mm/7 ft 9 in
	Bucket dig force	52.0 kN/11.702 lb	51.6 kN/11,599 lb	51.6 kN/11,599 lb
	Stick dig force	34.9 kN/7,841 lb	34.2 kN/7,693 lb	25.2 kN/5,661 lb





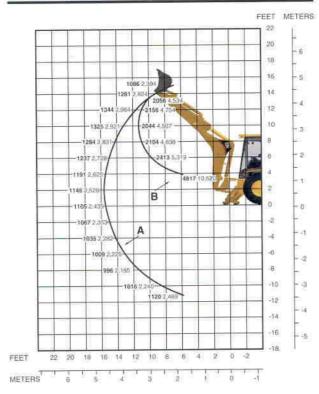
Dimensions and performance specifications shown are for machines equipped with 11L x 16 (10 PR) front tires, 19.5 x 24 (10 PR) rear tires, ROPS canopy, standard stick with 24-inch standard-duty bucket, and 1.0 yd* loader bucket and standard equipment unless otherwise specified.



Backhoe Lift Capacity



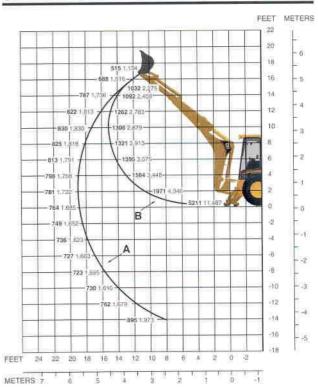




Cat 416D Extendible Stick — Retracted

FEET METERS 22 20 6 18 1104 2,025 11104 2,025 114 1181 2,030 11804 4,307

Cat 416D Extendible Stick — Extended



Lift capacities are over-end values. Machine equipped with 2WD, OROPS, 0.76 m³ (1.0 yd³) general-purpose loader bucket, 610 mm (24 in) standard duty backhoe bucket and 355 kg (780 lb) counterweight. Extendible stick includes 567 kg (1,250 lb) counterweight.

Courtesy of Machine.Market

Standard Equipment

Air cleaner

Fan, suction and guard

Standard and optional equipment may vary. Consult your Caterpillar dealer for specifics.

Grill, front with bumpers

Tires, see page 14

Alarm, back-up Ground line fuel fill Alarm, audible system fault Hydraulic hose, XT-3 Alternator, 55-amp, 12-volt Hydraulic oil cooler Axle, pendulum mount (front) Indicators Backhoe, center pivot, excavator-style with two lever air cleaner service, brake on, engine coolant, hydraulic oi mechanical controls level sight gauge, oil pressure Battery, maintenance-free, 700 CCA Instrument panel lights Boom transport lock Key start/stop system Brace, lift cylinder Lights, working (2 front, 2 rear) Brake, secondary parking Loader, self-leveling, return-to-dig and transmission Brakes, oil disk, dual pedals, interlock disconnect switch Bucket level indicator Mirror, rearview Canopy, ROPS/FOPS Power steering, hydrostatic Coat hook Seat belt, retractable (51 mm/2 in) Coolant/Antifreeze, extended life Seat, see page 9 Counterweight, bumper Stabilizers, pilot operated Differential lock Stabilizer shoes, grouser style Engine, Cat 3054B diesel Starting system, thermal starting aid Engine enclosure Stop and tail lights (2) Face seals, O-ring Swing transport lock

Fast reversing shuttle, all gears

Filters, spin-on
fuel, engine oil, transmission oil, water separator, hydraulic
fluid

Flashing hazard/signal lights

Toolbox, external, lockable
Torque converter
Throttles, hand and foot
Transmission, four speed, syncromesh
Transmission neutralizer switch

Floor mat Transport tie-downs
Gauges Warning horn, electric
coolant temperature, fuel level, tachometer, hour meter.

torque converter oil temperature

Courtesy of Machine.Market

Optional Equipment

With approximate change in operating weight (kg/lb).

Alternator, 90 amp	Cat 3054T diesel engine (optional 80 HP net)	Lights: Working, additional (2 front, 2 rear)
Cab, Utility		*Included in base machine weight Courtesy of Machine.Market