436C / 436C IT
Backhoe Loader

CAT

Cat® 3054T Diesel Engine		
Gross power	89 HP	66 kW
Net power	85 HP	63 kW
Operating weight	15,599 lbs	7076 kg

Backhoe digging depth		
Standard stick	16' 3"	4953 mm
Extendible stick	20' 4"	6202 mm

Cat 436C Backhoe Loader

The new C-Series backhoe loaders begin a new era of performance, versatility, and operator comfo

Loader versatility

The Cat® single-tilt loader continues to be the best in its class — with fast cycle times and large payloads. The optional integrated toolcarrier (IT) loader adds even more versatility with a parallel lift feature for better material handling.

- Maximum lift and breakout forces
- Divergent lift arms, a low-profile hood, and a single tilt cylinder for maximum visibility to the implement
- Large loader torque tube resists bending and twisting
- Self-leveling and return-to-dig systems for ease of operation

Operator station

A new level of comfort and visibility has been achieved in the newly-designed 436C cab. The operator has total machine control in a comfortable environment.

- Spacious operator station
- Convenient personal storage areas
- Large side windows open 180 degrees to maximize visibility and ventilation
- Low-effort controls placed within natural reach for operator comfort

Caterpillar 3054T engine

- Proven reliability
- Turbocharged
- Durable gear-driven water pump
- Thermal starting aid for easier cold-weather starting
- Parts commonality with other Cat machines
- Low cost-per-hour

The Cat 436C — More than a machine. A partner.

Once again Caterpillar is the benchmark for both ergonomics and performance. You'll load faster, dig deeper and lift higher, all in the comfort of the C-Series cab. You asked for comfort and visibility to match performance. Caterpillar answers with the 436C. Your backhoe loader is ready when you are!

Standard Equipment

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

Air cleaner, dry type, radial seal with pre-cleaner and filter condition indicator
Alarm, backup
Alternator, 55-amp, 12-volt
Audible system fault alarm
Backhoe, 16 ft. 3 in./ 4953 mm dig depth center-pivot excavator-style backhoe 2 lever control
Battery, maintenance free, 700 CCA
Boom transport lock
Brace, lift cylinder
Brakes, oil-disc with dual pedals & interlock
Brake, secondary parking
Cat 3054T turbocharged diesel engine
Coat hook
Coolant/antifreeze, extended life (to -34° Fahrenheit /-37°C)
Counterweight, bumper (35 lb./16 kg)
Differential lock
Dome light
Engine enclosure
Face seals, O-ring
Fan, suction, and fan guard
Fast reversing shuttle, all gears
Flashing hazard/signal lights
Floor mat
Foot rest, backhoe position
Front axle, pendulum mount
Front grill with bumpers
Gauges: coolant temperature, fuel level, tachometer, torque converter oil temperature, voltmeter
Ground line fuel fill with 34 gal/128 liters capacity
Grouser style stabilizer shoes
Hydraulic hose, XT-3
Hydraulic oil cooler
Indicators: air cleaner service, brake on, clock hour meter, engine coolant, hydraulic oil level sight gauge, oil pressure
Instrument panel lights
Key start/stop system with auxiliary position
Lights, working (2 front, 2 rear)
Load sensing, variable flow system with 43 gpm/162 l/m axial piston pump
Loader, self leveling with return-to-dig and transmission disconnect switch on single-lever control
Mirror, rearview
Power steering, hydrostatic
ROPS canopy
Seat belt, retractable (2 in./51 mm)
Seat, suspension with fabric or vinyl seat cover and armrests
Spin-on fuel, engine oil, hydraulic (10 micron), transmission oil filters, and water separator
Starting system, thermal starting aid
Storage compartment, internal
Stop and tail lights (2)
Swing transport lock
Tires (see page 17)
Tool box, external, lockable
Torque converter
Throttles, hand and foot
Transmission, four-speed synchromesh
Transmission neutralizer switch
Transport tie-downs
Warning horn, front, electric

Tires

Tubeless, nylon, loader design tires.

Single-Tilt

Type	Size	Ply Rating
Front, Standard		
2WD (F3)	11L x 16	12
AWD/AWS* (SGL)	12.5/80 x 18	10
Front, Optional		
2WD** (F3)	14.5/75 x 16	10
AWD/AWS* (IT510)	340/80 x R18	R
Rear, Standard		
2WD/AWD/AWS(IT525)	19.5L x 24	10
Rear, Optional		
2WD/AWD/AWS (IT510)	19.5L x R24	R
2WD/AWD (IT525)	21L x 24	12

IT Loader

Type	Size	Ply Rating
Front, Standard		
2WD (F3)	11L x 16	12
AWD/AWS* (SGL)	12.5/80 x 18	10
Front, Optional		
2WD** (F3)	14.5/75 x 16	10
AWD/AWS* (IT510)	340/80 x R18	R
Rear, Standard		
2WD/AWD/AWS(IT525)	19.5L x 24	10
Rear, Optional		
2WD/AWD/AWS (IT510)	19.5L x R24	R
2WD/AWD (IT525)	21L x 24	12

** Valve stem protection (VSP) included*
***Must use with 21L x 24 12 PR rear tire*

Service Refill Capacities

	US Gal	Liters
Cooling System		
turbocharged / a/c	5.7	21.6
Fuel Tank	34.0	128.0
Engine Oil with Filter	2.0	7.3
Transmission		
two-wheel-drive	4.0	15.0
all-wheel-drive	4.8	18.0
Rear Axle	6.4	24.0
Front Axle (AWD)	2.0	7.4
center	2.0	7.5
planetaries	0.2	0.75
Hydraulic System	21.0	79.0
Hydraulic Tank	8.0	38.0

Standard-Duty Buckets

With weld-on adapters and pin-on teeth

Width (in./mm)	Capacities SAE (ft³/liters)	Weight (lb./kg)	No. of Teeth
12 / 305	2.5 / 70	243 / 110	3
18 / 457	4.5 / 127	287 / 130	4
24 / 610	7.0 / 198	331 / 150	5
30 / 762	9.5 / 255	364 / 165	5
36 / 914	11.5 / 311	397 / 180	6

Heavy-Duty Buckets

With weld-on adapters and pin-on teeth

Width (in./mm)	Capacities SAE (ft³/liters)	Weight (lb./kg)	No. of Teeth
12 / 305	2.5 / 70	265 / 120	3
16 / 400	3.5 / 100	291 / 132	4
18 / 457	4.5 / 127	331 / 150	4
24 / 610	7.0 / 198	386 / 175	5
30 / 762	9.5 / 255	430 / 195	5
36 / 914	11.5 / 311	463 / 210	6

High-Capacity Buckets

With weld-on adapters and pin-on teeth

Width (in./mm)	Capacities SAE (ft³/liters)	Weight (lb./kg)	No. of Teeth
18 / 457	6.5 / 184	342 / 155	4
24 / 610	9.0 / 255	397 / 180	5
30 / 762	11.0 / 311	441 / 200	5
36 / 914	14.0 / 396	474 / 215	6

Extreme-Service Buckets

With weld-on adapters and pin-on teeth

Width (in./mm)	Capacities SAE (ft³/liters)	Weight (lb./kg)	No. of Teeth
18 / 457	4.0 / 99	320 / 145	4
24 / 610	6.0 / 156	364 / 165	4

Note: Additional GET tips available through Caterpillar Parts

Weights

Standard machine with 1.4 yd³ / 1.07 m³ general-purpose loader bucket, 24 in. / 610 mm high-capacity backhoe bucket, 1,010 lb. / 460 kg counterweight, 176 lb. / 80 kg operator and full fuel tank.

Operating weight (range)
15,599-21,389 lb. / 7076-9700 kg

ROPS cab	573 lb. / 260 kg
Air conditioning	99 lb. / 45 kg
All-wheel-drive	234 lb. / 106 kg
All Wheel Steer	760 lb. / 345 kg
Loader, IT w/QC	741 lb. / 336 kg
MP bucket (1.25 yd³ / 0.96 m³)	
with fold-over forks	867 lb. / 393 kg
w/o fold-over forks	490 lb. / 222 kg
Extendible stick (excludes front counterweight)	523 lb. / 237 kg
Counterweights, base	320 lb. / 145 kg
stackable, three (ea)	230 lb. / 105 kg
stackable, one	470 lb. / 215 kg

Minimum Counterweight Recommendations — Standard Stick

Loader Bucket	Powertrain	Single Tilt	IT Loader w/QC
GP	2WD	1,010 lb. /460 kg	550 lb. / 250 kg
GP	AWD/AWS	1,010 lb. / 460 kg	320 lb. / 145 kg
MP	2WD	320 lb. / 145 kg	Bumper
MP	AWD/AWS	Bumper	Bumper
MP with fold-over forks	2WD	320 lb. / 145 kg	N/A
MP with fold-over forks	AWD/AWS	Bumper	N/A
Forks / Material handling arm	2WD/AWD/AWS	N/A	550 lb. / 250 kg

Minimum Counterweight Recommendations — Extendible Stick

Loader Bucket	Powertrain	Single Tilt	IT Loader w/QC
GP	2WD/AWD/AWS	1,250 lb. / 570 kg	1,250 lb. / 570 kg
MP	2WD	1,250 lb. / 570 kg	780 lb. / 355 kg
MP	AWD/AWS	1,250 lb. / 570 kg	550 lb. / 250 kg
MP with fold-over forks	2WD	1,250 lb. / 570 kg	N/A
MP with fold-over forks	AWD/AWS	1,010 lb. / 460 kg	N/A
Forks / Material handling arm	2WD/AWD/AWS	N/A	1,250 lb. / 570 kg

Note: Bumper (35 lb. / 16 kg) is standard with all units.
Total gross vehicle weight not to exceed 21,389 lb. / 9700 kg.

Steering

Full hydrostatic steering.

Full hydrostatic steering controlled by a hand metering unit. Steering unit provides secondary steering capability in case of power failure.

Type	Front wheel
Power Steering	Hydrostatic
2WD Cylinder, one (1) double-acting	
Bore	3 in. / 76 mm
Stroke	8.8 in. / 224 mm
Rod diameter	2.6 in. / 65 mm
AWD Cylinder, one (1) double-acting	
Bore	2.6 in. / 65 mm
Stroke	8.3 in. / 210 mm
Rod diameter	1.4 in. / 36 mm

Turning Circle

2WD / AWD (Inner wheel not braked)
Outside front wheels
26 ft. 11 in. / 8.2 m
Outside widest loader bucket
35 ft. 5 in. / 10.8 m

SAEJ695

All Wheel Steer

Full hydrostatic steering controlled by a hand metering unit. Three operator-selected modes to maximize the machine maneuverability:

1 – Two-wheel-steer mode
2 – Circle-steer mode
3 – Independent-rear-maneuvering mode

Steering unit provides secondary steering in case of power failure.

Type: All Wheel Steer
Power steering: hydrostatic
Cylinders: one double-acting front cylinder and one double-acting rear cylinder

Front	
Bore	2.6 in. / 65 mm
Stroke	8.3 in. / 210 mm
Rod diameter	1.4 in. / 36 mm
Rear	
Bore	3.1 in. / 80 mm
Stroke	4.1 in. / 104 mm
Rod diameter	1.6 in. / 40 mm

Turning Circle*:

Two-wheel-steer	35 ft. 5 in. / 10.8 m
Circle steer	34 ft. 1 in. / 10.4 m
Independent-rear-maneuvering	31 ft. 2 in. / 9.5 m

Meets ISO 5010 1992 and SAE J1511 February 1994.

** Outside widest loader bucket*

Axles

Choice of standard two-wheel-drive or all-wheel-drive.

Features

- Heavy-duty rear axle with self-adjusting inboard brakes, differential lock, and final drives.
- Optional all-wheel-drive (AWD) engaged by front console panel switch, on-the-go, under load, in any gear, forward and reverse. Features outboard planetary gear final drives.
- AWD and 2WD axles are pendulum mounted and permanently sealed and lubricated, requiring no daily maintenance. Also feature double-acting steering cylinder with 50° steering angle for increased maneuverability. Oscillation 11° each direction from centerline.

Axle Ratings

Front axle, two-wheel drive		
Static	30,319 lb.	13750 kg
Dynamic	6,983 lb.	3167 kg
Front axle, all-wheel drive		
Static	27,029 lb.	12258 kg
Dynamic	6,983 lb.	3167 kg
Rear axle		
Static	61,233 lb.	27770 kg
Dynamic	20,418 lb.	9260 kg

Hydraulic System

Load-sensing, closed-center system.

Variable-flow, closed-center, load-sensing system provides full hydraulic force to cutting edges at all engine speeds. Provides low fuel consumption and low effort controls.

Type	Closed-center
Pump type	Variable-flow, axial-piston
Pump capacity	43 gpm / 162 l/m at 2,200 RPM
System pressure	3,000 psi / 20700 kPa

Brakes

Fully enclosed, hydraulic, multiple discs.

Features

- Inboard oil-immersed, hydraulically-actuated, multiple discs on final drive input shaft.
- Completely enclosed and sealed.
- Self-adjusting
- Foot-operated brake pedals can be interlocked for roading.
- Parking/secondary brakes are independent of the service brake system. Parking brake is mechanically applied through a hand lever located in the right side console.

Meets SAE J1473 October 1990 and ISO 3450 1985 requirements.

Cab

ROPS cab is standard.

When properly installed and maintained, the cab offered by Caterpillar, when tested with doors and windows closed as per work cycle procedures specified in ANSI/SAE J1166 May 90, results in an operator sound exposure Leq (equivalent sound pressure level) of 82 dB(A). This A-weighted sound exposure level can be used in conjunction with OSHA, MSHA, and EEC Occupational Noise Exposure Criteria. Also, when tested as per the static specifications of 86/662/EEC, the respective sound pressure levels are as follows:

Turbocharged	dB(A)	dB(A)*
Exterior (ISO 6393)	104	106
In the cab (ISO 6394)	81	83

*with air conditioning

ROPS (Roll Over Protective Structure) offered by Caterpillar for this machine meets ROPS criteria SAE J394, SAE J1040 May 1994, and ISO 3471 1994. It also meets FOPS (Falling Object Protective Structure) criteria SAE January 1981 and ISO 3449 1992.

Engine

Caterpillar 3054T turbocharged, direct injection, four-cylinder diesel engine.

Ratings at 2200 RPM	HP	kW
Gross Power (turbo)	89	66
Net Power (turbo)	85	63

The following ratings apply at 2200 RPM when tested under the specified conditions for the specified standard:

Net Power at 2200 RPM:

Turbocharged	HP	kW	PS
Caterpillar	85	63	–
SAE J1349	84	63	–
ISO 9249	85	63	–
ISO 1585	85	63	–
EEC 80/1269	85	63	–
DIN 70020	–	–	83

Dimensions	
Bore	3.94 in. / 100 mm
Stroke	5 in. / 127 mm
Displacement	243 cu. in. / 4.0 liter

Percent Torque Rise (net)	
Turbocharged	24.1

Power Rating Conditions

- Based on standard air conditions of 77°F (25°C) and 29.32 in. (99 kPa) dry barometer.
- Used 35°API gravity fuel having an LHV of 18,390 Btu/lb. (42,780 kJ/kg) when used at 86°F (30°C) (reference a fuel density of 7.001 lb./gal (838.9 g/L)).
- 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 7,500 ft. (2286 m) altitude.

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 featuring an integral dust lip.
- Heat-resistant, silicone-chrome steel intake and STELLITE-faced exhaust valves are used for 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.

Transmission

Caterpillar countershaft four-speed transmission with electric forward and reverse shuttle.

Four speeds forward and reverse power shuttle — full synchromesh in all gears. Constant mesh gears on all ratios permit on-the-go shifting of all gears — up or down. Neutral start provision prevents starting machine while shuttle is engaged.

Torque converter free-wheel clutch allows the converter stator to free-wheel during high-speed, low-load conditions such as roading.

Transmission Disconnect

Hand-operated power disconnect (no clutch) for easy, on-the-go shifting and full engine rpm for faster cycle times.

Torque Converter

Single-stage, 2.63:1 stall ratio.

Forward/Reverse Electric Power Shuttle

Conveniently placed, hand-operated lever provides instant, on-the-go direction changes between forward and reverse through power hydraulic clutches.

Travel Speeds

Travel speeds of two-wheel-drive backhoe loader at full throttle, when equipped with 19.5L x 24 rear tires.

	1st	2nd	3rd	4th
Forward				
MPH	3.7	6.0	12.4	20.9
Km/H	6.0	9.6	19.9	33.7
Reverse				
MPH	3.7	6.0	12.4	20.9
Km/H	6.0	9.6	19.9	33.7

All Wheel Steer

Adds maneuverability and versatility.

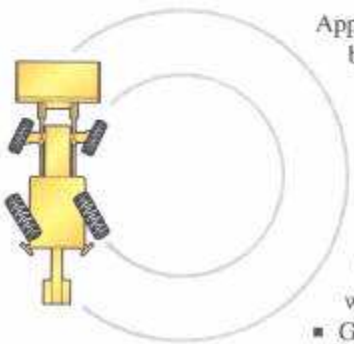
All Wheel Steer provides three modes of operation, all easily selected from the front console. Large, easy-to-read gauge indicates position of rear wheels.

A rocker switch on the loader lever controls the rear axle when in the independent-rear-maneuvering mode.

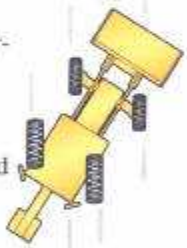
All Wheel Steer (AWS). The independently-maneuvered rear axle reduces the turning diameter by over 4 feet, giving the tightest turning circle. All Wheel Steer provides three modes of operation:

- (1) Two-wheel-steer: only the front axle is used for steering. This mode offers the performance capabilities desired for on-road operation, and when additional maneuverability is not needed.

- (2) Circle steer: both axles are used for steering. This mode provides reduced turning diameters and allows for tighter operation in confined spaces.



- (3) Independent-rear-maneuvering: each axle is controlled independently. A rocker switch located on the loader lever controls the maneuvering of the rear wheels. This extra dimension of control allows for the greatest maneuverability of the machine. It gives the machine the ability to crab and to turn even tighter than in the circle-steer mode.



Applications seldom performed by a backhoe are now routine operations:

- Backfilling while driving parallel to an open trench or foundation wall.
- Steering and maneuvering while backdragging or dozing with the loader bucket.
- Grading and leveling while on a side slope.
- Loading material in a confined area.

Optimal visibility to the loader tool

Excellent visibility is achieved with the combination of large rear tires for traction and flotation, and front tires that provide a clear view of the loader implement and front work area.

Hydraulics

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

Hydraulics. You don't work at full production all the time — and the Caterpillar variable-flow system senses the work demand and adjusts flow and pressure to match it. This system allows high bucket dig forces whatever the engine speed — providing excellent control for those delicate jobs in confined areas. And, very importantly, there's less wear and tear on the system.

Caterpillar hydraulic systems are truly **"load-sensing"** — with closed-centered implement valves. This design permits feedback of the hydraulic system requirements to the pump, allowing delivery of the exact flow and pressure necessary to satisfy the requirements of the hydraulic system.

Pressure-compensated valves are used to reduce control-lever effort for less operator fatigue.

Pump flow has been increased to 43 gpm for even faster cycle times and more productivity.

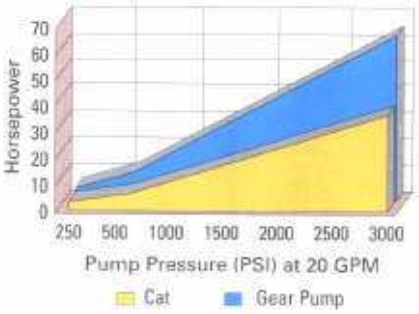
Caterpillar XT hoses are used for all pressure applications to substantially reduce downtime from hose failure. The Cat XT-3 hose is made of four overlapping, insulated wire spiral wraps bonded together for unrivaled long life. XT-3 hoses exceed SAE certification standards, and the hose routing protects them from work damage. If a hose does need replacing, it's fast, easy, and requires no special tools.

Caterpillar couplings are equipped with O-ring face seal fittings for long life and less maintenance.

Hydraulic Pump

XT Hose

Wasted Horsepower/Fuel



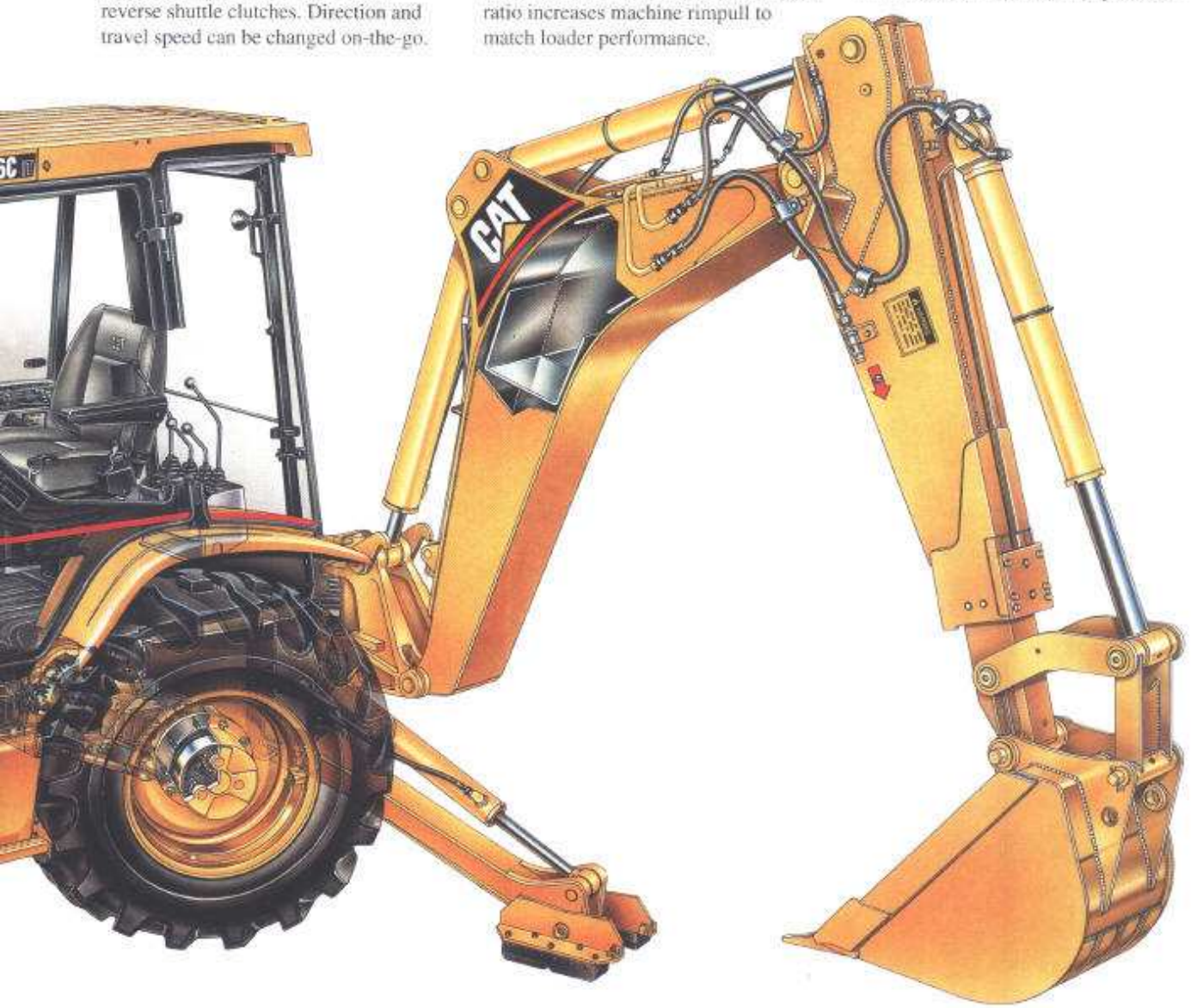
In the Cat closed-center hydraulic system, power is delivered only when needed — saving fuel and equipment wear and tear. In contrast, an open-center, gear-pump system constantly pumps hydraulic oil at near-maximum force, resulting in wasted horsepower and fuel.

O-Ring Face Seal Fittings

Power-Shuttle transmission. Built rugged for tough applications. The Power-Shuttle transmission provides four speed selections in a constant mesh synchronized arrangement, coupled with hydraulically shifted forward and reverse shuttle clutches. Direction and travel speed can be changed on-the-go.

A rocker switch engages all-wheel-drive (AWD) on-the-go, under load. A new torque converter is used to efficiently apply engine power for maximum fuel efficiency and performance. An improved second-gear ratio increases machine rimpull to match loader performance.

The Cat extendible stick increases versatility by extending dig depth and reach by approximately four feet. Self-lubricated, non-metallic, shim-adjustable wear pads are used for low maintenance, minimal wear and ease of adjustment.



Power Train/Chassis

Designed for strength, performance, and versatility.

Caterpillar 3054T engine. The 3054T engine in the 436C is a turbocharged, 4-cylinder, 4-stroke, direct-injection design. The thermal starting aid is standard equipment, providing reliable starting down to -20° F. The Cat 3054T also features a gear-driven water pump, providing better reliability than a conventional belt-driven design.

A dry-type, radial-seal air filter has been designed specifically for this engine. This two-stage filter incorporates the function of the air cleaner and precleaner into a single unit, which eliminates the hood-mounted precleaner.

Axles and brakes. The semi-floating rear axle is an enclosed design that allows extended operation even in the harshest environments. Multi-disc, hydraulic brakes are oil-immersed and self-adjusting.

Hydraulics. You don't work at full capacity all the time — and the Caterpillar variable-flow system senses the work demand and adjusts flow and pressure to match it. And Cat XT hoses virtually eliminate downtime from hose failure. If a hose does need replacing, it's fast, easy and requires no special tools.

Caterpillar couplings are equipped with O-ring face seal fittings for long life and less maintenance.

Stackable counterweights allow easy adjustment of weight distribution without having to completely replace an existing counterweight.

Spacious, lockable tool and battery box provides secure tool storage.

Operator controls. The 436C sets a new standard for smooth, precise control, and ease-of-operation. Instrumentation is user-friendly and controls are positioned within easy reach. The Cat variable-flow, load-sensing hydraulic system adjusts flow and pressure to meet work demand. And there's less operator effort, resulting in less fatigue and greater productivity.

Operator Station

The C-Series cab — new dimensions in comfort and visibility.

Visibility. The 436C is specially designed for maximum visibility — with 40 percent more visibility than previous models. The sloping front hood and divergent lift arms allow the operator to see more of the forward work area and loader attachment. Rear visibility continues to be the best in the industry with a narrow boom and a rear window that stows above the operator out of view.

Operator comfort. The cab on the 436C is totally new — designed to maximize operator comfort. Features include a new heating/air-conditioning system with increased capacity. Fully opening side and rear windows provide additional ventilation, and the cab roof extends out to keep the operator dry. A four-post Rollover Protective Structure (ROPS) provides increased protection. Additional options include AM/FM/ Stereo/Cassette package and tilt wheel.

Excavator-style backhoe
- Ability to reach over obstacles
- Faster, easier truck loading
- Enhanced visibility

All Wheel Steer Option
- Improves maneuverability and versatility
- Increases machine utilization
- Tight turning circles

Load-sensing hydraulic system
- Power where you need it, when you need it, at any engine speed
- Cat exclusive, high-pressure XT hose
- O-ring face seal fittings for reliability

Other special features
- Single location access to service refill points
- Stackable counterweights allow easy adjustment of weight distribution
- Spacious, lockable tool and battery box provides secure tool storage
- Large 34-gallon fuel tank extends operating intervals

Optional Equipment

With approximate change in operating weight.

	lbs / kg
Air conditioning	99 / 45
All Wheel Steer	761 / 345
Alternator, 90 amp	18 / 8
Attachments, front loader (single tilt)	
General-purpose buckets:	
1.31 yd³/1.0 m³	7 / 3
1.40 yd³/ 1.07 m³	n/a*
1.50 yd³/ 1.15 m³	40 / 18
Multi-purpose buckets:	
1.25 yd³/0.96 m³	490 / 222
1.25 yd³/0.96 m³ w/fks	867 / 393
1.35 yd³/1.03 m³	540 / 245
1.35 yd³/1.03 m³ w/fks	915 / 415
Attachments, front loader (IT)	
General-purpose bucket:	
1.31 yd³/1.0 m³	49 / 22
1.50 yd³/ 1.15 m³	79 / 36
Multi-purpose bucket:	
1.25 yd³/0.96 m³	490 / 222
1.35 yd³/1.03 m³	540 / 245
Forks (for use with IT loader):	
43 in./1,043 mm	-714 / -324
48 in./1,220 mm	-677 / -307
53 in./1,346 mm	-648 / -294
Carriage, fork	-265 / -120
Material handling arm	-269 / -122
Attachments, backhoe	
Buckets	(see page 17)
Quick Coupler (backhoe):	
Mechanical	165 / 75
Axle, front:	
All-wheel-drive	234 / 106
Backhoe controls:	
Excavator pattern	9 / 4
Foot swing, 3 or 4 lever	26 / 12
Four lever	9 / 4

	lbs / kg
Battery, additional	60 / 27
Cab, ROPS	573 / 260
Coolant, additional protection (-58° F/-50° C)	0 / 0
Counterweights:	
Base	320 / 145
Stackable:	
three (each)	230 / 105
one	470 / 215
Cutting edge, bolt-on:	
Two piece	154 / 70
Guards:	
AWD driveshaft	64 / 29
Stabilizer, rock	130 / 59
High ambient cooling package	4 / 2
Hydraulic valves, loader:	
3rd valve for GP, MP or Quick Coupler	27 / 12
Hydraulic valves, backhoe:	
Auxiliary valve (standard stick)	11 / 5
Auxiliary valve (extendible stick)	11 / 5
Hydraulic lines:	
Auxiliary, low flow use (to boom)	22 / 10
Universal, high flow use (to stick)	99 / 45
Quick disconnects	4 / 2
Lights:	
Working, additional (2 front, 2 rear)	7 / 3
Loader, IT w/ QC	741 / 336

	lbs / kg
Radio installation kit	7 / 3
Receptacle, 12 volt	
Internal	1 / 0.2
External	1 / 0.2
Rotating beacon	11 / 5
Seat belt, 3 in./75mm	0 / 0
Stabilizers	
Street pads, rubber (set of 4)	82 / 37
Reversible pads	84 / 38
Stick, extendible	540 / 245
Teeth, loader bucket	99 / 45
Tilt steering wheel	8 / 4
Tires	(see page 17)
Vandalism protection	
Gauge cover	2 / 1
Padlocks	2 / 1
Hood lock	0 / 0

* Included in base machine weight