426F2
Backhoe Loader



Cat® 3054C Engine	
Gross Power ISO 14396	68.5 kW (93 hp)
Net Power Rating at 2,200 rpm	66.0 kW (88 hp)

Weights	
Operating Weight	8425 kg
Backhoe Digging Depth	
Dig Depth	4707 mm
E-Stick Retracted	4756 mm
E-Stick Extended	5697 mm

426F2 Features

Cab and Controls
The all new cab on the Cat Backhoe Loader provides a comfortable and easy to use operator environment with excellent visibility.

Powerful Hydraulics
The F2 Series Backhoe Loader really makes an impact. High pump flow in a superior hydraulic system delivers excellent hydraulic performance at the operator's fingertips.

Product Link™
Product Link helps you to get the most from your Cat Backhoe Loader, providing remote reporting of machine information such as location and hours.



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Caterpillar has a well proven history in the construction equipment industry and has been producing the highest quality machines for 90 years, making progress possible and driving positive and sustainable change on every continent. For over 35 years, from the A Series to the new F2 Series we have produced Backhoe Loaders that are designed with the operator in mind, providing reliability, power and a quality operator environment. The Cat 426F2 Backhoe Loader continues this tradition, providing a machine to help you grow your business.



Operator Station

Everyone can get comfortable in this cab.

All Day Comfort

The all new 426F2 cab is designed to provide maximum comfort, ease of operation and overall style for today's demanding operator. The new design features a spacious interior, flat glass and excellent visibility. The cab is wider allowing the operator to freely move when turning from one mode of operation to another. Excellent ergonomics ensure that all controls are within easy reach of the operator, with tilt steering column now available as an option. Other features include additional storage space, large vents throughout the cab and clear gauges that provide information to the operator to help maximize the machine's performance. Tinted glass is offered as standard.









Power Train

Powerful performance.

Power Train

The 426F2 features the Cat 3054C engine. The engine is a four cylinder, four stroke direct injection turbo, equipped with standard glow plug starting for optimal cold weather performance. This provides reliable starting performance down to –26° C. An optional cold weather pack is available giving reliable starting performance down to –55° C. The engine also features a gear driven water pump, providing better reliability than conventional belt driven technology.

Axle and Brakes

The 426F2 rear axle is an enclosed design with a wet multi-plate braking system. The system is oil immersed and self-adjusting, and allows operation in the harshest environments. The rear axle offers 100% Diff-Lock giving increased traction when working on poor ground conditions. This gives increased performance with less wear and tear to tires. The system has dual brake pedals for split braking in confined working spaces. The All Wheel Drive (AWD) is engaged via a front console panel switch or by the brake pedal during all-wheel-braking operation. The AWD can be engaged on the move, under load, in any gear and in forward or reverse. The AWD front axle is pendulum mounted and permanently sealed and lubricated, requiring no daily maintenance. A guard is available to protect the drive shaft increasing the durability of this machine when working in hard rocky environments.

Transmission

The 426F2 comes equipped with a 40 km/h Power-Shuttle transmission, improving roading speed and providing better spacing between gear ratios. The forward/reverse lever on the steering column is placed for easy directional changes on the move, and the gear selection is from a floor mounted shift lever.

Loader Performance

Parallel lift and superior breakout forces.



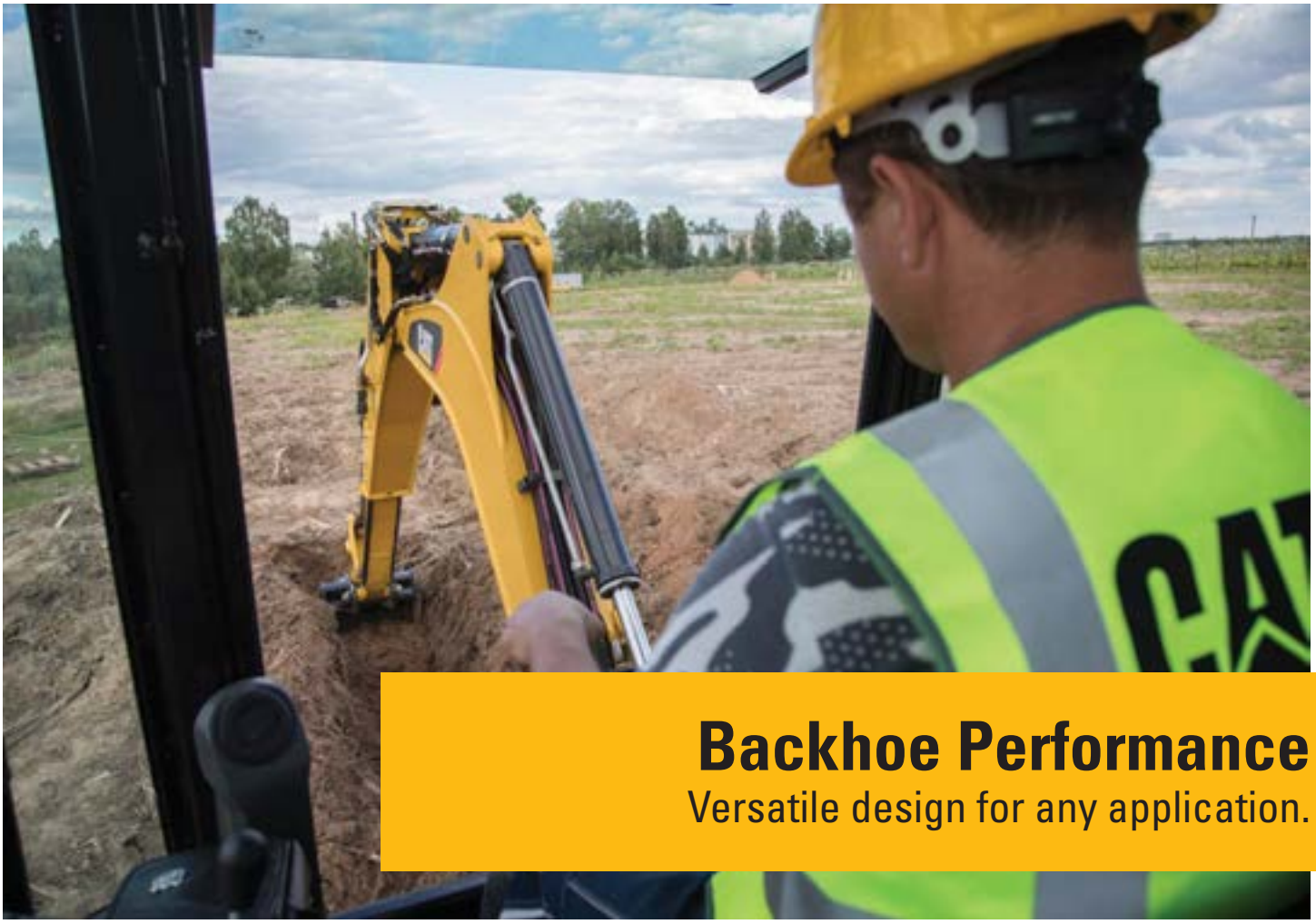
Parallel Lift

The 426F2 parallel lift loader boasts class leading lift capacities and breakout forces, providing more power and greater productivity. Available with General Purpose Bucket, Multi Purpose Bucket, or Multi Purpose Bucket with Fork Brackets, the 426F2 can be matched precisely to your needs. The proven design of the F2 loader makes light work of lifting and loading. The parallel lift loader arms offer excellent forward visibility along with outstanding material retention throughout the lift and lower cycles.

Ride control option offers loader suspension to improve ride comfort when moving around the job site or roading the machine. There is also the added benefit of increased material retention providing an invaluable boost in productivity.







Backhoe Performance

Versatile design for any application.





Excavator Style Boom

Caterpillar's instantly recognizable boom is more than a cosmetic design feature, it also outperforms straight boom designs too. Whether close-up truck loading on a narrow highway or digging over obstacles such as walls, the excavator style boom outperforms the rest. Combine this versatility with powerful breakout forces and the controllability of the load-sensing, flow sharing hydraulic system and you have the best boom and stick combination in the industry. The boom is a narrow design, ensuring maximum visibility to the work tool and ground. Additionally, our system offers swing and boom cushioning as standard. This feature enables very fast trenching by damping the boom on lift. Swing cushioning enables easy spotting of the hoe over the trench.

Extendible Stick

The 426F2 is available with an extendible stick that increase dig depth and reach capability increasing the machines versatility and utilization, reducing the amount of time spent repositioning the machine. A sliding inner section design helps to ensure the wear pads remain as dirt free as possible, extending adjustment and replacement intervals. One-Way or Two-Way lines, for operating hydraulic work tools, are available with the E-Stick and have been routed so that they are protected from damage when working in the narrowest of trenches.

Powerful and Efficient Hydraulics

Load-sensing system delivers improved fuel economy.





Hydraulic Performance

It's rare that you'll be working at full production 100% of the time, so why should the machine be working at full capacity, using more fuel, making more noise and generally increasing wear and tear on key components? The 426F2 has a load-sensing, closed center hydraulic system, which is designed to closely match power and flow to the demand needed by the operation. This works to both increase fuel efficiency and decrease wear and tear.

So whether you're in full trenching mode, or delicately digging around services, you are always in total control. In applications such as loading and carrying, speed is important. The system will match the flow needed to get the job done quickly and efficiently. As there is minimal demand on the system unless needed, there are less parasitic horsepower losses and more power available for rimpull which means better loading and roading performance.

The 426F2 also features flow-sharing hydraulic valves, ensuring that the correct flow of oil reaches the implement cylinders, providing greater control and eliminating oil starvation when operating multiple functions, such as grading with the backhoe.





Serviceability

Easy service to keep your machine working.







Easy Access

Daily checks that can be time consuming for a busy operator are kept to a minimum on the 426F2. The 426F2 is equipped with a flip open hood, allowing access to all the check and fill points, air cleaner, washer bottle and visual check indicators. The 426F2 offers a clear bowl precleaner, designed especially for the tough environments that this machine operates in giving extra protection to the engine. This is located on top of the hood and gives a visual indicator to the operator that it needs to be emptied. The hinged cooling pack provides easy access to not only the radiator and air conditioner, but also the transmission and hydraulic cooler. The 426F2 carries on the Cat Backhoe Loader tradition with sealed for life axle oscillating pins, axle and driveshaft U-joints. Cat Product Link™ system provides remote reporting of machine location and hours.



Customer Support

Unrivaled customer support network.

Renowned Cat Dealer Support

From helping you choose the right machine to knowledgeable ongoing support, Cat dealers provide the best in sales and service.

- Preventive maintenance programs and guaranteed maintenance contracts
- Best-in-class parts availability
- Operator training to help boost your profits
- Genuine Cat Remanufactured parts



Customer Support Agreements

Your Cat dealer can offer a comprehensive range of Customer Support Agreements (CSA) that can be individually tailored to suit your finances and requirements. Dealers can offer a range of options from a full preventive maintenance with S•O•S℠ package to a parts only CSA. Protect your valuable investment and know exactly what your monthly payments will be to help you run your business.

Machine Selection

Your dealer can help you with your machine purchase decision, based on your requirements and help keep operating costs to a minimum. Is the machine you have in mind exactly the best for your job or could there be a more suitable solution?

Training and Support

Speak to your dealer about additional support. They can advise you on operating techniques for your machine that will minimize wear and tear, maximize productivity, lower owning and operating costs and help you make the most of the fantastic features offered on the Cat Backhoe Loader.





Work Tools

A solution for every job.

Loader

Loader Buckets

General Purpose (1.05 m^3), Multi Purpose (1.0 m^3) and Multi Purpose with Fork Brackets (1.0 m^3) are all available on the 426F2 and are all fitted with Bolt-on Teeth.

Backhoe

Excavating Buckets

Cat Work tools provide a range of buckets in various sizes making it easy to find the correct bucket for your application

- Standard Duty
- Heavy Duty
- High Capacity
- Rock
- Ditching

Other Available Tools for Backhoe

- Cold Planers
- Hammers
- Augers
- Vibratory Compaction Plates

Backhoe Quick Coupler

A mechanical coupler is available for the 426F2 making changing rear work tools easy and safe.

426F2 Backhoe Loader Specifications

Engine

Model	Cat 3054C Mechanical Turbocharged
Rated Power (standard) @ 2,200 rpm	
Gross Power ISO 14396	68.5 kW (93 hp)
Net Power Rating @ 2,200 rpm	
ISO 9249	66.0 kW (88 hp)
Torque Rise (net) @ 1,200 rpm	38%
Maximum Torque @ 1,400 rpm	394 N·m
Bore	105 mm
Stroke	127 mm
Displacement	4.4 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 2286 m altitude. Auto derate protects hydraulic and transmission systems.
- Emissions equivalent to EU Stage II.

Hydraulic System

Type	Closed Center
Pump Type	Variable Flow, Axial Piston
Maximum Pump Capacity	132 L/min
System Pressure	
Backhoe	250 Bar
Loader	250 Bar

Noise Level

Inside Cab	80 dB(A)
Outside Cab	104 dB(A)

Transmission

Travel speeds of Four Wheel Drive backhoe loader at full throttle, when equipped with 16.9×28 rear tires.

	Power Shuttle
Forward	
1st	5.6 km/h
2nd	9.3 km/h
3rd	21.0 km/h
4th	40.0 km/h
Reverse	
1st	5.6 km/h
2nd	9.3 km/h
3rd	21.0 km/h
4th	40.0 km/h

Service Refill Capacities

Cooling System	22.0 L
Fuel Tank	160 L
Engine Oil with Filter	8.8 L
Transmission (Power Shuttle)	
AWD	15 L
Rear Axle	16.5 L
Planetaries	1.7 L
Front Axle (AWD)	11 L
Planetaries	0.7 L
Hydraulic System	106 L
Hydraulic Tank	40 L

Weights*

Operating Weight (estimated)	8425 kg
Operating Weight (Maximum) (ROPS Capacity)	11 000 kg
Counterweights	
Base	115 kg
Medium	240 kg
High	460 kg
Minimum Counterweight Recommendations – E-Stick	
E-Stick	210 kg
Loader Bucket – GP	530 kg
Loader Bucket – MP	681 kg
Loader Bucket – MP with Fork Brackets	691 kg

*Machine Configuration – standard engine, standard stick hoe, standard cab with A/C, AWD standard shift transmission, 0.96 m^3 MP loader bucket, 24 inch standard duty hoe bucket, 12.5/80-18 and 16.9-28 tires, no counterweight, 80 kg operator and full fuel tank.

Axles

All Wheel Drive (AWD)

Features

- Heavy-duty rear axle with self adjusting inboard brakes, differential lock and final drives.
- AWD is engaged by front console panel switch or by brake pedal during all-wheel-braking operation. AWD can be engaged on the move, under load, in any gear, forward or reverse. AWD has outer final drives for easy maintenance.
- AWD front axle is pendulum mounted and permanently sealed and lubricated, requiring no daily maintenance. Also features double-acting steering cylinder with 52° steering angle for increased maneuverability.

Axle Ratings

Front Axle, AWD	
Static	22 964 kg
Dynamic	9186 kg
Rear Axle	
Static	22 964 kg
Dynamic	9186 kg

Steering

Type	Front Wheel
Power Steering	Hydrostatic
AWD Cylinder, One (1) Double-acting	
Bore	65 mm
Stroke	120 mm
Rod Diameter	36 mm
Turning Circle	
AWD (inner wheel not braked)	
Outside Front Wheels	8.18 m
Outside Widest Loader Bucket	10.97 m

Brakes

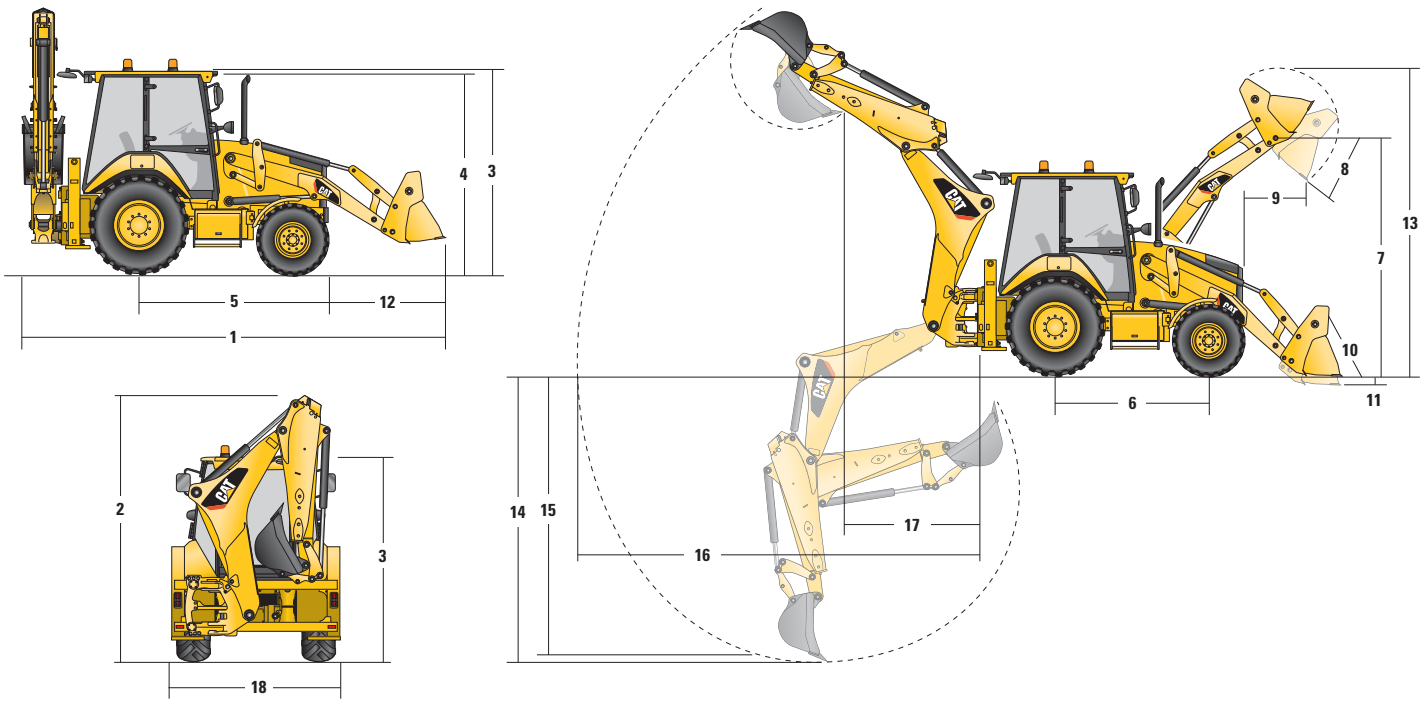
Fully enclosed boosted, hydraulic, multiple discs.

Features

- Inboard oil-immersed, hydraulically actuated multiple Kevlar discs on final drive input shaft.
- Completely enclosed and sealed.
- Self-adjusting.
- Dual foot-operated boosted brake pedals can be interlocked for roading.
- Parking/secondary brakes are independent of the service brake system. Parking (secondary) brake is mechanically applied through a hand lever located in the right side console.
- Meets ISO 3450:2011 and Central Motor Vehicles Rules requirements.

426F2 Backhoe Loader Specifications

Machine Dimensions



		426F2 Phase 2		
		GP – 1.05 m³	MP – 1 m³	MP with Forks – 1 m³
1	Overall Length in Roading Position	5725 mm	5674 mm	5674 mm
	Overall Transportation Length	5677 mm	5681 mm	5681 mm
2	Overall Transportation Height – 4.3 m	3757 mm	3757 mm	3757 mm
	Overall Width	2346 mm	2346 mm	2346 mm
3	Height to Top of Cab/Canopy	2895 mm	2895 mm	2895 mm
4	Height to Top of Exhaust Stack	2716 mm	2716 mm	2716 mm
5	Rear Axle Centerline to Front Grill	2708 mm	2708 mm	2708 mm
6	Wheelbase AWD	2200 mm	2200 mm	2200 mm

Dimensions and performance specifications shown are for machines equipped with 12.5/80-18 front tires, 16.9-28 rear tires, standard cab, standard stick with 610 mm standard duty bucket, and 1.05 m³ GP loader bucket and standard equipment unless otherwise specified.

Loader Bucket Dimensions and Performance

		GP – 1.05 m^3	MP – 1 m^3	MP with Forks – 1 m^3
	Capacity	1.05 m^3	1 m^3	1 m^3
	Width	2262 mm	2262 mm	2262 mm
	Lift Capacity at Maximum Height	3630 kg	3496 kg	3172 kg
	Lift Breakout Force	54.48 kN	53.95 kN	51.04 kN
	Tilt Breakout Force	53.91 kN	60.47 kN	59.26 kN
	Tipping Load at Breakout Point	6225 kg	6301 kg	6048 kg
7	Maximum Hinge Pin Height	3449 mm	3449 mm	3449 mm
8	Dump Angle at Full Height	46°	46°	46°
	Dump Height at Maximum Angle	2735 mm	2766 mm	2766 mm
9	Dump Reach at Maximum Angle	897 mm	822 mm	822 mm
10	Maximum Bucket Rollback at Ground Level	41°	42°	40°
11	Digging Depth	112 mm	145 mm	145 mm
	Maximum Grading Angle	113°	116°	116°
12	Grill to Bucket Cutting Edge, Carry Position	1480 mm	1449 mm	1449 mm
13	Maximum Operating Height	4370 mm	4348 mm	4832 mm
	Bucket Weight (Excluding teeth and forks)	—	—	—

Excavator Bucket Dimensions and Performance

		Standard Stick	E-Stick Retracted	E-Stick Extended
14	Digging Depth, SAE Maximum	4116 mm	4191 mm	5208 mm
	Digging Depth, Manufacturer's Maximum	4707 mm	4756 mm	5697 mm
15	Digging Depth, 2440 mm Flat Bottom	3740 mm	3806 mm	4887 mm
	Digging Depth, 600 mm Flat Bottom	4092 mm	4158 mm	5168 mm
	Digging Depth, 600 mm Flat Bottom, Manufacturer's	4668 mm	4719 mm	5684 mm
16	Reach from Swing Pivot at Ground Line	5603 mm	5657 mm	6585 mm
	Maximum Operating Height	5721 mm	5722 mm	6338 mm
	Loading Height	3934 mm	3947 mm	4491 mm
17	Loading Reach	1528 mm	1648 mm	2546 mm
	Swing Arc	180°	180°	180°
	Bucket Rotation	205°	205°	205°
18	Stabilizer Overall Width	2242 mm	2242 mm	2242 mm
	Bucket Dig Force	57.22 kN	56.61 kN	56.61 kN
	Stick Dig Force	35.3 kN	33.66 kN	24.59 kN

426F2 Standard and Optional Equipment

Standard and Optional Equipment

Standard and Optional equipment may vary. Consult your Cat dealer for details.

	Standard	Optional
CAB		
Canopy, Base	✓	—
Canopy, Plus	—	✓
Cab, Standard	—	✓
Cab, Standard Plus	—	✓
*See Cab Options Page		
Cab ROPS and FOPS are standard. ROPS (Roll Over Protective Structure) offered by Caterpillar for this machine meets ROPS criteria ISO 3471:2008 and FOPS (Falling Objects Protective Structure) criteria ISO 3449:2005		
TIRES/STEERING/BRAKES		
Two Wheel Drive	✓	—
All Wheel Drive	—	✓
100% Differential Lock	✓	—
Hydraulic Boosted Brakes (dual pedals)	✓	—
Tires 12-16.5 (Front) – 2WD	✓	—
Tires 12.5/80-18 (Front) – AWD	✓	—
Tires 16.9-28 Rear	✓	—
Tires 18.4-26 Rear	—	✓
ENGINE/TRANSMISSION		
Battery 750 CCA, Maintenance Free (standard)	✓	—
Battery 750 CCA, Maintenance Free (heavy duty)	—	✓
Engine 68.5 kW (93 hp) Cat 3054C	✓	—
Engine Block Heater	—	✓
Transmission Neutralizer	✓	—
Transmission, 4 Speed Manual	✓	—
INPUT		
Controls, Mechanical Lever	✓	—
Power Steering, Hydrostatic	✓	—
OTHER ATTACHMENTS		
Counterweight, 115 kg	—	✓
Counterweight, 240 kg	—	✓
Counterweight, 460 kg	—	✓
Front Fenders	—	✓
Street Pads, Stabilizers	—	✓
Tool Storage Box	✓	—
Transport Tie – Downs	✓	—
Rear Licence Plate Holder and Light	—	✓

	Standard	Optional
GUARDS		
Guard, Teeth (GP/MP)	—	✓
Guard, Driveshaft	—	✓
Guard, Tail Lights	—	✓
Loader Safety Brace	✓	—
BOOM STICKS AND LINKAGES – BACKHOE		
Quick Coupler, Mechanical (backhoe)	—	—
Stick Standard	✓	—
Stick Extending	—	✓
Transport Lock, Swing	✓	—
Transport Lock, Boom	✓	—
Hydraulics		
Hydraulic Pump (132 L/min)	✓	—
Hydraulic Auxiliary Quick Disconnects	—	✓
Side Shift Lock (electro-hydraulic)	✓	—
Hydraulic Oil Cooler	✓	—
Hydraulics – Backhoe		
Hydraulic Lines, 1-Way	—	✓
Hydraulic Lines, 2-Way (with E-Stick)	—	✓
Hydraulics – Loader		
Loader Kickout, Float	✓	—
Ride Control	—	✓
Parallel Lift	✓	—
Electrical		
Product Link, Cellular	—	✓
Product Link, Satellite	—	✓
Reversing Alarm	✓	—
Beacon, Strobe	—	✓
Beacon, Standard	—	✓

Cab Options

	Canopy, Base	Canopy, Plus	Cab, Standard	Cab, Standard Plus
Air Conditioning	—	—	Optional	Optional
Beacon Socket (×2)	✓	✓	✓	✓
Cup Holder	✓	✓	✓	✓
Differential Lock Button on Loader Control	✓	✓	✓	✓
Face Fan	Optional	Optional	Optional	Optional
Removable floor mat	✓	✓	✓	✓
Front and Rear Side Opening Windows	—	—	✓	✓
Front Headlights	✓	✓	✓	✓
Full Width Perforated Sun Visor	-	-	Optional	Optional
Fully Adjustable Halogen Work Lights (×6)	✓	✓	✓	✓
Cab, Fully Glazed	—	—	✓	✓
Cab, Part Glazed (front window)	—	✓	—	—
Gauge Cluster	✓	✓	✓	✓
Horn, Front	✓	✓	✓	✓
Horn, Rear	✓	✓	✓	✓
Internal Power Socket (×2)	✓	✓	✓	✓
Rear Tail Lights	✓	✓	✓	✓
Left and Right opening Doors	—	—	✓	✓
Left Hand Storage Console	✓	✓	✓	✓
Safety Lock, Transmission	✓	✓	✓	✓
Seat, Vinyl with Mechanical Suspension	✓	✓	—	—
Seat, Fabric with Mechanical Suspension	—	—	✓	✓
Self-Cancelling Directional Indicator	✓	✓	✓	✓
Steering Wheel Column, Tilt Adjustment	—	—	—	✓
Window Wash Wipers, Rear	—	—	✓	✓
Window Wash Wipers, Front	—	✓	✓	✓

Notes

Notes

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