

Product Specifications For 426



Engine

Power - Net	66.4 kW
Model	Cat 3054C Mechanical Turbo
Emissions	Engine meets U.S. EPA Tier 2/EU Stage II equivalent emission standards.
Rated Power (Standard) - 2,200 rpm - Gross - ISO 14396	68.5 kW
Net Peak Power Rating @ 2,200 rpm - SAE J1349	66.4
Torque Rise - 1,200 rpm - Net	38
Maximum Torque - 1,400 rpm	394 N·m
Bore	105 mm
Stroke	127 mm

Weights

Operating Weight - Nominal	8425 kg
Operating Weight - Maximum	11000 kg
Operating Weight	8425 kg

Hydraulic System

Type	Closed Center
Pump Type	Variable Flow, Axial Piston
Maximum Pump Capacity	132 l/min

System Pressure - Backhoe	250 bar
System Pressure - Loader	250 bar

Noise Level

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

Transmission

Note	Travel speeds of Four Wheel Drive backhoe loader at full throttle, when equipped with 16.9×28 rear tires.
Power Shuttle Transmission - Forward 1st	5.6 km/h
Power Shuttle Transmission - Forward 2nd	9.3 km/h
Power Shuttle Transmission - Forward 3rd	21 km/h
Power Shuttle Transmission - Forward 4th	40 km/h
Power Shuttle Transmission - Reverse 1st	5.6 km/h
Power Shuttle Transmission - Reverse 2nd	9.3 km/h
Power Shuttle Transmission - Reverse 3rd	21 km/h
Power Shuttle Transmission - Reverse 4th	40 km/h

Service Refill Capacities

Cooling System	22 l
Fuel Tank	160 l
Engine Oil - With Filter	8.8 l
Transmission - Power Shuttle - AWD	15 l
Rear Axle	16.5 l
Rear Axle - Planetaries	1.7 l
Front Axle (AWD)	6.5 l
Front Axle (AWD) - Planetaries	0.7 l
Hydraulic System	106 l
Hydraulic Tank	40 l

Weights*

Operating Weight - Estimated	8425 kg
Operating Weight - ROPS Capacity - Maximum	11000 kg
Counterweights - Base	115 kg
Counterweights - Medium	240 kg
Note	*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.
Minimum Counterweight Recommendations - E-Stick: E-Stick	210 kg

Minimum Counterweight	691 kg
Recommendations - E-Stick:	
Loader Bucket - MP with Fork Brackets	

Minimum Counterweight	530 kg
Recommendations - E-Stick:	
Loader Bucket - GP	

Minimum Counterweight	681 kg
Recommendations - E-Stick:	
Loader Bucket - MP	

Counterweights - High	460 kg
-----------------------	--------

Axles - All Wheel Drive (AWD)

Features (1)	Heavy-duty rear axle with self adjusting inboard brakes and final drives.
--------------	---

Features (2)	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.
--------------	--

Features (3)	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	22964 kg
---------------------------	----------

Front Axle (AWD) - Dynamic	9186 kg
----------------------------	---------

Rear Axle - Static	22964 kg
--------------------	----------

Rear Axle - Dynamic	9186 kg
---------------------	---------

Steering

Type	Front Wheel
------	-------------

Power Steering	Hydrostatic
----------------	-------------

AWD Cylinder, One (1) Double Acting - Bore	65 mm
AWD Cylinder, One (1) Double Acting - Stroke	120 mm
AWD Cylinder, One (1) Double Acting - Rod Diameter	36 mm
Turning Circle - AWD (inner wheel not braked) - Outside, Front Wheels	8.18 m
Turning Circle - AWD (inner wheel not braked) - Outside, Widest Loading Bucket	10.97 m

Brakes

Type	Fully enclosed boosted, hydraulic, multiple discs.
Features (1)	Inboard oil-immersed, hydraulically actuated multiple Kevlar discs on final drive input shaft.
Features (2)	Completely enclosed and sealed.
Features (3)	Self-adjusting.
Features (4)	Dual foot-operated boosted brake pedals can be interlocked for roading.
Features (5)	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.
Features (6)	Meets ISO 3450:2011 and CMVR requirements.

Excavator Bucket Dimensions And Performance: Standard Stick

Bucket Dig Force	57.22 kN
Digging Depth, Manufacturer's Maximum	4707 mm
Loading Reach	1528 mm
Maximum Operating Height	5721 mm

Stick Dig Force	35.3 kN
Digging Depth, 2440 mm Flat Bottom	3740 mm
Reach from Swing Pivot at Ground Line	5603 mm
Digging Depth, 600 mm Flat Bottom, Manufacturer's	4668 mm
Bucket Rotation	205°
Stabilizer Overall Width	2242 mm
Digging Depth, 600 mm Flat Bottom	4092 mm
Digging Depth, SAE Maximum	4116 mm
Loading Height	3934 mm
Swing Arc	180°

Loader Bucket Dimensions And Performance: MP - 1 M3

Maximum Operating Height	4348 mm
Tilt Breakout Force	60.47 kN
Dump Height at Maximum Angle	2766 mm
Tipping Load at Breakout Point	6301 kg
Maximum Hinge Pin Height	3449 mm
Lift Breakout Force	53.95 kN
Maximum Bucket Rollback at Ground Level	42°
Grill to Bucket Cutting Edge, Carry Position	1449 mm

Width	2262 mm
Dump Reach at Maximum Angle	822 mm
Digging Depth	145 mm
Lift Capacity at Maximum Height	3496 kg
Maximum Grading Angle	116°
Dump Angle at Full Height	46°
Capacity	1 m ³

Excavator Bucket Dimensions And Performance: E-Stick Extended

Stabilizer Overall Width	2242 mm
Maximum Operating Height	6338 mm
Loading Reach	2546 mm
Stick Dig Force	24.59 kN
Swing Arc	180°
Loading Height	4491 mm
Digging Depth, SAE Maximum	5208 mm
Reach from Swing Pivot at Ground Line	6585 mm
Digging Depth, Manufacturer's Maximum	5697 mm
Digging Depth, 2440 mm Flat Bottom	4887 mm
Digging Depth, 600 mm Flat Bottom, Manufacturer's	5684 mm

Bucket Dig Force	56.61 kN
Bucket Rotation	205°
Digging Depth, 600 mm Flat Bottom	5168 mm

Loader Bucket Dimensions And Performance: MP With Forks - 1 M3

Maximum Operating Height	4832 mm
Dump Reach at Maximum Angle	822 mm
Digging Depth	145 mm
Tilt Breakout Force	59.26 kN
Lift Capacity at Maximum Height	3172 kg
Tipping Load at Breakout Point	6048 kg
Maximum Hinge Pin Height	3449 mm
Lift Breakout Force	51.04 kN
Dump Height at Maximum Angle	2766 mm
Capacity	1 m ³
Width	2262 mm
Maximum Bucket Rollback at Ground Level	40°
Dump Angle at Full Height	46 °
Grill to Bucket Cutting Edge, Carry Position	1449 mm
Maximum Grading Angle	116°

Excavator Bucket Dimensions And Performance: E-Stick Retracted

Digging Depth, 2440 mm Flat Bottom	3806 mm
Loading Reach	1648 mm
Reach from Swing Pivot at Ground Line	5657 mm
Digging Depth, 600 mm Flat Bottom	4158 mm
Loading Height	3947 mm
Maximum Operating Height	5722 mm
Bucket Dig Force	56.61 kN
Stabilizer Overall Width	2242 mm
Digging Depth, Manufacturer's Maximum	4756 mm
Stick Dig Force	33.66 kN
Digging Depth, 600 mm Flat Bottom, Manufacturer's	4719 mm
Digging Depth, SAE Maximum	4191 mm
Swing Arc	180°
Bucket Rotation	205°

Backhoe Digging Depth

Dig Depth	4707 mm
E-Stick Extended	5697 mm
E-Stick Retracted	4756 mm

Loader Bucket Dimensions And Performance: GP - 1.05 M3

Capacity	1.05 m ³
Width	2262 mm
Lift Capacity at Maximum Height	3610 kg
Lift Breakout Force	54.48 kN
Tilt Breakout Force	53.91 kN
Tipping Load - Breakout Point	6225 kg
Maximum Hinge Pin Height	3449 mm
Dump Angle at Full Height	46°
Dump Height at Maximum Angle	2735 mm
Dump Reach at Maximum Angle	897 mm
Maximum Bucket Rollback at Ground Level	41°
Digging Depth	112 mm
Maximum Grading Angle	113°
Grill to Bucket Cutting Edge, Carry Position	1480 mm
Maximum Operating Height	4370 mm

Loader Bucket Dimensions And Performance: MP - 1.0 M3

Capacity	0.96 m ³
Width	2262 mm
Lift Capacity at Maximum Height	3475 kg

Lift Breakout Force	54 kN
Tilt Breakout Force	60.48 kN
Tipping Load - Breakout Point	7110 kg
Maximum Hinge Pin Height	3447 mm

Machine Dimensions - 426 Phase 2: GP - 1.05 M3

Overall Length in Roding Position	225 in
Overall Transportation Length	5677 mm
Overall Transportation Height - 4.3 m	3757 mm
Overall Width	2346 mm
Height to Top of Cab/Canopy	2895 mm
Height to Top of Exhaust Stack	2716 mm
Rear Axle Centerline to Front Grill	2708 mm
Wheelbase AWD	2200 mm

Machine Dimensions - 426 Phase 2: MP - 1 M3

Overall Length in Roding Position	5674 mm
Overall Transportation Length	5681 mm
Overall Transportation Height - 4.3 m	3757 mm
Overall Width	2346 mm

Height to Top of Cab/Canopy	2895 mm
-----------------------------	---------

Height to Top of Exhaust Stack	2716 mm
--------------------------------	---------

Rear Axle Centerline to Front Grill	2708 mm
-------------------------------------	---------

Wheelbase AWD	2200 mm
---------------	---------

Note	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 standard equipment unless otherwise specified.
-------------	--

426 Standard Equipment

CAB

Canopy, Base

See Cab Options Page

Cab ROPS (Roll Over Protective Structure) and FOPS (Falling Objects Protective Structure) are standard. ROPS offered by Caterpillar for this machine meets ROPS criteria ISO 3471:2008 and FOPS criteria ISO 3449:2005

TIRES/STEERING/BRAKES

Two Wheel Drive

Hydraulic Boosted Brakes (dual pedals)

Tires 12-16.5 (Front) – 2WD

Tires 12.5/80-18 (Front) – AWD

Tires 16.9-28 Rear

ENGINE/TRANSMISSION

Battery 750 CCA, Maintenance Free (standard)

Engine 68.5 kW (93 hp) Cat 3054C

Transmission Neutralizer

Transmission, 4 Speed Manual

INPUT

Controls, Mechanical Lever

Power Steering, Hydrostatic

OTHER ATTACHMENTS

Tool Storage Box
Transport Tie – Downs

GUARDS

Loader Safety Brace

BOOM STICKS AND LINKAGES – BACKHOE

Stick Standard
Transport Lock, Swing
Transport Lock, Boom

HYDRAULICS

Hydraulic Pump (132 L/min)
Side Shift Lock (electro-hydraulic)
Hydraulic Oil Cooler

HYDRAULICS – LOADER

Loader Kickout, Float
Parallel Lift

ELECTRICAL

Product Link, Cellular
Reversing Alarm
12 Volt Electrical System
120 Ampere Alternator

426 Optional Equipment

CAB

Canopy, Plus
Cab, Standard
Cab, Standard Plus

TIRES/STEERING/BRAKES

All Wheel Drive
Tires 18.4-26 Rear

ENGINE/TRANSMISSION

Battery 750 CCA, Maintenance Free (heavy duty)
Engine 70 kW (94 hp) Cat C4.4
Engine Block Heater

OTHER ATTACHMENTS

Counterweight, 115 kg
Counterweight, 240 kg
Counterweight, 460 kg
Front Fenders
Street Pads, Stabilizers
Rear License Plate Holder and Light

GUARDS

Guard, Driveshaft
Guard, Tail Lights

BOOM STICKS AND LINKAGES – BACKHOE

Quick Coupler, Mechanical (backhoe)
Stick Extending

HYDRAULICS

Hydraulic Auxiliary Quick Disconnects

HYDRAULICS – BACKHOE

Hydraulic Lines, 1-Way
Hydraulic Lines, 2-Way (with E-Stick)

HYDRAULICS – LOADER

Ride Control

ELECTRICAL

Beacon, Strobe
Beacon, Standard