

Product Specifications For 434



Engine

Power - Net	64 kW
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Weights

Operating Weight - Nominal	9213 kg
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Operating Weight - Maximum	11500 kg
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Operating Weight - ROPS Capacity - Maximum	11500 kg
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MP Bucket (1.15 m ³ /1.50 yd ³) - Without Fold-Over Forks	776 kg
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Auto-Shift Transmission	94 kg
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Counterweights - Maximum	115 kg
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Extendible Stick - Excludes Front Counterweight	203 kg
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Counterweights - Base	115 kg
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Ride Control	15 kg
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MP Bucket (1.15 m ³ /1.50 yd ³) - With Fold-Over Forks	975 kg
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Operating Weight	9213 kg
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Cab - ROPS/FOPS	STD
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Total Gross Weight Not to Exceed	11500 kg
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Note

Machine Configuration – LRC 74.5 kW engine; standard stick hoe; standard cab with A/C; AWD standard shift transmission; 1.15 m³; MP loader bucket; 610 mm standard duty hoe bucket; 440/80R24 tires; no counterweight; 80 kg operator; full fuel tank.

**Minimum Counterweight
Recommendations - Standard
Stick - Loader Bucket - Parallel Lift
- MP**

0 kg

**Minimum Counterweight
Recommendations - Extendible
Stick - Loader Bucket - Parallel Lift
- MP**

0 kg

**Minimum Counterweight
Recommendations - Extendible
Stick - Loader Bucket - Parallel Lift
- GP**

0 kg

**Minimum Counterweight
Recommendations - Standard
Stick - Loader Bucket - Parallel Lift
- GP**

0 kg

Air Conditioning

STD

Engine - Standard Offering Tier 2 Equivalent

Torque Rise (net)

at 1,400 rpm

**Net Power Rating at 2,200 rpm -
ISO 9249**

65 kW/88 hp

Stroke

127 mm

**Torque Rise (net) - SAE J1349
Net**

384 N·m

Note

Net power advertised is the power available at the flywheel when the engine is equipped with fan, air cleaner, muffler and alternator.

Power Rating Conditions - No De-Rating Required Up To 2286 m

Net Power Rating at 2,200 rpm - SAE J1349 64 kW/87 hp

Bore 105 mm

Displacement 4.4 l

Ratings at 2,200 rpm - Gross Power ISO 14396 68 kW/93 hp

Engine 3054C 68.5 kW Mechanical Turbo

Ratings at 2,200 rpm - Gross Power SAE J1995 69 kW/94 hp

Engine - Optional Offering Tier 2 Equivalent

Engine 3054C 74.5 kW Mechanical Turbo

Net Power Rating at 2,200 rpm - ISO 9249 71 kW/96 hp

Displacement 4.4 l

Stroke 127 mm

Torque Rise (net) - SAE J1349 Net 397 N·m

Note Net power advertised is the power available at the flywheel when the engine is equipped with fan, air cleaner, muffler and alternator.

Power Rating Conditions - No De-Rating Required Up To 2286 m

Ratings at 2,200 rpm - Gross Power SAE J1995 75 kW/102 hp

Ratings at 2,200 rpm - Gross Power ISO 14396 74 kW/101 hp

Torque Rise (net) at 1,400 rpm

Bore 105 mm

Net Power Rating at 2,200 rpm - SAE J1349 70 kW/95 hp

Engine - Optional Offering Tier 3 Equivalent

Bore 105 mm

Power Rating Conditions - No De-Rating Required Up To 2286 m

Ratings at 2,200 rpm - Gross Power SAE J1995 76 kW/104 hp

Engine C4.4 74.5 kW Mechanical – Turbo Intercooled

Ratings at 2,200 rpm - Gross Power ISO 14396 75 kW/101 hp

Torque Rise (net) - SAE J1349 Net 398 N·m

Torque Rise (net) at 1,400 rpm

Stroke 127 mm

Note Net power advertised is the power available at the flywheel when the engine is equipped with fan, air cleaner, muffler and alternator.

Net Power Rating at 2,200 rpm - ISO 9249 70 kW/95 hp

Displacement 4.4 l

**Net Power Rating at 2,200 rpm -
SAE J1349**

69 kW/94 hp

Transmission - Power Shuttle Transmission (Standard)

Forward - 4th 36 km/h

Forward - 3rd 21 km/h

Reverse - 1st 6 km/h

Forward - 2nd 9 km/h

Forward - 1st 6 km/h

Reverse - 2nd 9 km/h

Reverse - 4th 36 km/h

Reverse - 3rd 21 km/h

Transmission - Powershift Transmission (Optional)

Forward - 4th 40 km/h

Forward - 2nd 10 km/h

Reverse - 3rd 27 km/h

Reverse - 2nd 12 km/h

Forward - 3rd 20 km/h

Reverse - 1st 6 km/h

Forward - 1st 6 km/h

Transmission - Auto-Shift Transmission With Lock-Up Torque Converter (Optional)

Forward - 5th	27 km/h
Forward - 2nd	10 km/h
Reverse - 2nd	12 km/h
Reverse - 3rd	27 km/h
Forward - 4th	20 km/h
Forward - 3rd	12 km/h
Forward - 1st	6 km/h
Reverse - 1st	6 km/h
Forward - 6th	40 km/h

Axle Ratings

Rear Axle - Static	22964 kg
Rear Axle - Dynamic	9186 kg
Front Axle (AWD) - Dynamic	9186 kg
Front Axle (AWD) - Static	22964 kg

Hydraulic System

System Pressure - Loader	250 bar
System Pressure - Backhoe	250 bar
Pump Type	Variable-Flow, Axial Piston
Type	Closed Center
Pump Capacity @ 2,200 rpm	160 L/min

Steering

AWD Cylinder, One (1) Double Acting - Stroke	117 mm
AWD Cylinder, One (1) Double Acting - Rod Diameter	42 mm
AWD Cylinder, One (1) Double Acting - Bore	85 mm
Power Steering	Hydrostatic
Type	Front Wheel
AWD Cylinder, one (1) Double-acting - Axle Oscillation	±8°
Turning Circle (28" Tires) - AWD (inner wheel not braked) - Outside Widest Loader Bucket	12.6 m
Turning Circle (28" Tires) - AWD (inner wheel not braked) - Outside Front Wheels	9.8 m

Service Refill Capacities

Transmission - Power Shuttle - AWD	18 l
Hydraulic Tank	42 l
Diesel Exhaust Fluid	19 l
Fuel Tank	160 l
Engine Oil - With Filter	9 l
Cooling System - A/C	17.5 l
Hydraulic System	95 l
Rear Axle	16 l
Rear Axle - Planetaries	1.7 l

Transmission (Powershift) - AWD

19 l

Front Axle

14 l

Front Axle - Planetaries

1.7 l

Transmission

Note

Travel speeds of backhoe loader at full throttle, when equipped with 440/80-28 rear tires.

434 Standard Equipment

Cab ROPS And FOPS

Cab, Standard

Tires/Steering/Brakes

All Wheel Drive

All Wheel Steer

100% Differential Lock

Hydraulic Boosted Brakes

Tires 24 inch

Engine/Transmission

Engine Cat 3054C 68.5 kW

Battery, 750 CCA, Standard

Hinged Radiator Pack

Transmission Neutralizer

Transmission, Four Speed Manual

Controls

Controls, Mechanical

Power Steering, Hydrostatic

Hydraulics

Variable Displacement Piston Pump

Side Shift Lock

Hydraulic Oil Cooler

Loader Kickout, Float

Loader Kickout, Return to Dig

Booms, Sticks And Linkages

Stick Standard, 4.3 m
Transport Lock, Swing
Transport Lock, Boom

Other Attachments

External Tool Box
Transport Tie Downs

Electrical

Product Link Cellular
Reversing Alarm
Stabilizer Alarm

434 Optional Equipment

Cab ROPS And FOPS

Cab, Deluxe

Tires/Steering/Brakes

Tires 28 inch

Engine/Transmission

Engine Cat 3054C 74.5 kW
Engine C4.4 74.5 kW
Battery, 750 CCA, Heavy Duty
Engine Block Heater
Transmission, Four Speed Powershift
Transmission, Six Speed Automatic
Transmission, Six Speed Automatic with LUTC

Controls

Controls, Pilot Hoe
Pattern Selector (ISO/SAE)

Hydraulics

Hydraulic Quick Disconnects
Hydraulic Lines, One Way
Hydraulic Lines, Two Way
Powered Side Shift
Ride Control
Continuous Flow
Programmable Auxiliary Flow

Booms, Sticks And Linkages

Stick Extending, 4.3 m
Hoe Quick Coupler, Mechanical
Hoe Quick Coupler, Hydraulic
Loader Quick Coupler, Hydraulic

Other Attachments

Counterweight, 115 kg
Front Fenders
Street Pads, Stabilizers

Electrical

Product Link Satellite
Beacon, Rotating
Beacon, Strobe