

Product Specifications For 434



Engine

Power - Net	92 hp
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Power	74.4 kW
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Engine - EU Stage V (Standard)

Net Torque - SAE J1349	322 lb/ft
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Displacement	220 in ³
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Note (2)	No derating required up to 3048 m altitude. Auto derate protects hydraulic and transmission systems.
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Bore	3.86 in
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Note (1)	Net power advertised is the power available at the flywheel when the engine is equipped with fan, air cleaner, muffler and alternator.
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Torque Rise (net)	48% @ 1,500 rpm
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Stroke	4.72 in
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Emissions	Meets EU Stage V emission standards.
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Engine	C3.6 74.4 kW Electronic Turbo Intercooled
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Ratings at 2,200 rpm - Engine Power ISO 14396:2002	74 kW/101 hp
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Net Power Rating @ 2,200 rpm - SAE J1349:2011	68 kW/92 hp
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Note (3)	Advertised power is tested per the specified standard in effect at the time of manufacture.
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Ratings at 2,200 rpm - Gross Power SAE J1995:2014	76 kW/103 hp
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Net Power Rating @ 2,200 rpm - ISO 9249:2007	68 kW/92 hp
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Weights

Operating Weight - Nominal	20216 lb
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Operating Weight - Maximum	25353 lb
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Ride Control	33 lb
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Minimum Counterweight Recommendations - Extendible Stick: Loader Bucket - GP	0 lb
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Minimum Counterweight Recommendations - Standard Stick: Loader Bucket - GP	0 lb
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Air Conditioning	71 lb
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Extendible Stick - Excludes Front Counterweight	448 lb
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Counterweights - Base	254 lb
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Counterweights - Maximum	254 lb
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Minimum Counterweight Recommendations - Extendible Stick: Loader Bucket - MP	0 lb
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Operating Weight	20216 lb
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MP Bucket (1.15 m³/1.50 yd³) - Without Fold-Over Forks	1711 lb
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Operating Weight - Maximum - ROPS Capacity	25353 lb
Auto-Shift Transmission	240 lb
Minimum Counterweight Recommendations - Standard Stick: Loader Bucket - MP	0 lb
MP Bucket (1.15 m³/1.50 yd³) - With Fold-Over Forks	2150 lb
Total Gross Weight Not to Exceed	25353 lb
Note	Machine Configuration – HRC 74.5 kW engine; standard stick hoe; standard cab with A/C; AWD standard shift transmission; 1.15 m ³ MP loader bucket; 600 mm standard duty hoe bucket; 440/80R24 tires; no counterweight; 80 kg operator; full fuel tank.
Cab - ROPS/FOPS	Standard

Backhoe Digging Depth

Dig Depth	4827 mm/5748 mm (E-Stick)
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Loader Performance

Breakout Force	13646 lbf
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Operator Station

Controls	Mechanical Loader; Mechanical Hoe (Pilot Hoe Optional)
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Transmission

Note	Travel speeds of backhoe loader at full throttle, when equipped with 440/80-28 rear tires.
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Transmission - Standard Shift Transmission (Standard)

Forward - 4th	24.9 mile/h
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Forward - 2nd	5.6 mile/h
Reverse - 1st	3.7 mile/h
Reverse - 3rd	13 mile/h
Reverse - 2nd	5.6 mile/h
Forward - 3rd	13 mile/h
Reverse - 4th	24.9 mile/h
Forward - 1st	3.7 mile/h

Transmission - Powershift Transmission (Optional)

Forward - 2nd	6.2 mile/h
Reverse - 3rd	16.8 mile/h
Forward - 4th	24.9 mile/h
Reverse - 2nd	7.5 mile/h
Reverse - 1st	3.7 mile/h
Forward - 3rd	12.4 mile/h
Forward - 1st	3.7 mile/h

Transmission - Auto-Shift Transmission (Optional)

Forward - 3rd	7.5 mile/h
Forward - 1st	3.7 mile/h
Forward - 2nd	6.2 mile/h
Forward - 6th	24.9 mile/h

Reverse - 1st	3.7 mile/h
Forward - 5th	16.8 mile/h
Forward - 4th	12.4 mile/h
Reverse - 3rd	16.8 mile/h
Reverse - 2nd	7.5 mile/h

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

Forward - 6th	24.9 mile/h
Forward - 4th	12.4 mile/h
Reverse - 3rd	16.8 mile/h
Reverse - 1st	3.7 mile/h
Forward - 3rd	7.5 mile/h
Forward - 5th	16.8 mile/h
Forward - 1st	3.7 mile/h
Forward - 2nd	6.2 mile/h
Reverse - 2nd	7.5 mile/h

Axle Ratings

Rear Axle - Dynamic	20252 lb
Rear Axle - Static	50627 lb
Front Axle - Dynamic	20252 lb

Front Axle - Static	50627 lb
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Hydraulic System

System Pressure - Loader	3626 psi
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System Pressure - Backhoe	3626 psi
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Pump Capacity @ 2,200 rpm	42.3 gal/min
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Type	Closed Center
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Pump Type	Variable-Flow, Axial Piston
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Steering

AWD Cylinder, One (1) Double Acting - Rod Diameter	1.7 in
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AWD Cylinder, One (1) Double Acting - Stroke	4.6 in
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AWD Cylinder, One (1) Double Acting - Bore	3.3 in
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Turning Circle (28" Tires) - AWD (inner wheel not braked) - Outside Front Wheels	32.15 ft
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Turning Circle (28" Tires) - AWD (inner wheel not braked) - Outside Widest Loader Bucket	41.34 ft
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Type	Front Wheel
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Power Steering	Hydrostatic
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Service Refill Capacities

Rear Axle - Planetaries	0.4 gal (US)
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Cooling System - A/C	4.6 gal (US)
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Engine Oil - With Filter	2.4 gal (US)
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Diesel Exhaust Fluid	5 gal (US)
Hydraulic Tank	11.1 gal (US)
Rear Axle	4.2 gal (US)
Fuel Tank	42.3 gal (US)
Hydraulic System	25.1 gal (US)
Front Axle - Planetaries	0.4 gal (US)
Front Axle	3.7 gal (US)

Service Refills Capacities

Transmission (Standard Shift)	4.8 gal (US)
Transmission (Powershift/Autoshift)	5 gal (US)

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, C3.6 74.4 kW
 Battery, 750 CCA, Standard
 Hinged Radiator Pack
 Standard Mode
 Transmission Neutralizer
 Transmission, Four Speed Standard Shift

CONTROLS

Controls, Mechanical Levers
Power Steering, Hydrostatic

ELECTRICAL

Display Screen, Soft Key
Product Link Cellular
Reversing Alarm
Stabilizer Alarm

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

434 Optional Equipment

CAB ROPS AND FOPS

Cab, Deluxe

TIRES/STEERING/BRAKES

Tires 28 inch

ENGINE/TRANSMISSION

Battery, 750 CCA, Heavy Duty
Auto Idle
Eco Mode
Standard + Mode
Engine Block Heater
Transmission, Four Speed Powershift
Transmission, Six Speed Autoshift
Transmission, Six Speed Autoshift with Lock-Up Torque Converter

CONTROLS

Controls, Pilot Hoe Joysticks
Pattern Selector (ISO/SAE)

ELECTRICAL

Display Screen, Touchscreen
Product Link, Dual Mode (cellular and satellite)
Beacon, Rotating
Beacon, Strobe

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
Counterweight, 240 kg
Counterweight, 460 kg
Front Fenders
Street Pads, Stabilizers