

Product Specifications For 432



Engine

Power - Net 92 hp

Power 74.4 kW or 82 kW

Engine - EU Stage V (Standard)

Torque Rise (net) 48% @ 1,500 rpm

Stroke 4.72 in

Note (1) Net power advertised is the power available at the flywheel when the engine is equipped with fan, air cleaner, muffler and alternator.

Displacement 220 in³

Net Torque - SAE J1349 322 lbf

Bore 3.86 in

Engine C3.6 74.4 kW Electronic Turbo Intercooled

Note (2) No derating required up to 3048 m altitude. Auto derate protects hydraulic and transmission systems.

Emissions Meets EU Stage V emission standards.

Ratings at 2,200 rpm - Gross Power SAE J1995:2014 76 kW/103 hp

Ratings at 2,200 rpm - Engine Power ISO 14396:2002 74 kW/101 hp

Net Power Rating @ 2,200 rpm - ISO 9249:2007 68 kW/92 hp

Net Power Rating @ 2,200 rpm - SAE J1349:2011 68 kW/92 hp

Engine - EU Stage V (Optional)

Note (1) Net power advertised is the power available at the flywheel when the engine is equipped with fan, air cleaner, muffler and alternator.

Torque Rise (net) 48% @ 1,500 rpm

Bore 3.86 in

Net Torque - SAE J1349 358 ft-lb

Stroke 4.72 in

Displacement 220 in³

Note (2) No derating required up to 3048 m altitude. Auto derate protects hydraulic and transmission systems.

Engine C3.6 82 kW Electronic Turbo Intercooled

Emissions Meets EU Stage V emission standards.

Net Power Rating @ 2,200 rpm - SAE J1349:2011 76 kW/103 hp

Ratings at 2,200 rpm - Gross Power SAE J1995:2014 84 kW/114 hp

Net Power Rating @ 2,200 rpm - ISO 9249:2007 75 kW/102 hp

Note (3) Advertised power is tested per the specified standard in effect at the time of manufacture.

Engine - EU Stage V (Optional) - A

Ratings at 2,200 rpm - Engine Power ISO 14396:2002 82 kW/111 hp

Transmission

Note Travel speeds of backhoe loader at full throttle, when equipped with 480/80-26 rear tires.

Transmission - Powershift Transmission (Standard)

Reverse - 1st 3.7 mile/h

Forward - 1st 3.7 mile/h

Forward - 2nd 6.2 mile/h

Reverse - 2nd 8.1 mile/h

Forward - 4th 24.9 mile/h

Reverse - 3rd 17 mile/h

Forward - 3rd 12.4 mile/h

Transmission - Auto-Shift Transmission (Optional)

Forward - 6th 24.9 mile/h

Reverse - 1st 3.7 mile/h

Forward - 1st 3.7 mile/h

Forward - 5th 16.8 mile/h

Forward - 2nd 6.2 mile/h

Forward - 3rd 8.1 mile/h

Reverse - 3rd 17 mile/h

Forward - 4th 12.4 mile/h

Reverse - 2nd

8.1 mile/h

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

Forward - 1st

3.7 mile/h

Reverse - 3rd

17 mile/h

Reverse - 2nd

8.1 mile/h

Forward - 5th

16.8 mile/h

Forward - 2nd

6.2 mile/h

Forward - 4th

12.4 mile/h

Forward - 6th

24.9 mile/h

Reverse - 1st

3.7 mile/h

Forward - 3rd

8.1 mile/h

Axle Ratings

Rear Axle - Dynamic

22046 lb

Rear Axle - Static

58423 lb

Front Axle - Dynamic

19842 lb

Front Axle - Static

51809 lb

Weights

Operating Weight - Nominal

18671 lb

Operating Weight - Maximum

24251 lb

Operating Weight 18671 lb

Counterweights - Maximum 1014 lb

**Operating Weight - Maximum -
ROPS Capacity** 24251 lb

Ride Control 33 lb

Counterweights - Base 254 lb

Air Conditioning 99 lb

**MP Bucket (1.03 m³/1.3 yd³) -
without Fold-over Forks** 1486 lb

**Total Gross Weight Not to
Exceed** 24251 lb

**Minimum Counterweight
Recommendations - Standard
Stick - Loader Bucket - No QC -
MP** 0 lb

Power-Shift Transmission Standard

**Minimum Counterweight
Recommendations - Standard
Stick - Loader Bucket - IT
Loader with QC - MP** 1014 lb

Cab - ROPS/FOPS Standard

**Minimum Counterweight
Recommendations - Standard
Stick - Loader Bucket - IT
Loader with QC - GP** 1014 lb

**MP Bucket (1.03 m³/1.3 yd³) -
with Fold-over Forks** 1896 lb

Minimum Counterweight 1014 lb
Recommendations - Extendible Stick - Loader Bucket - IT Loader with QC - MP

Minimum Counterweight 1014 lb
Recommendations - Extendible Stick - Loader Bucket - No QC - GP

Minimum Counterweight 529 lb
Recommendations - Standard Stick - Loader Bucket - No QC - GP

Minimum Counterweight 254 lb
Recommendations - Extendible Stick - Loader Bucket - No QC - MP

Note Machine Configuration – HRC 74.5 kW engine; 4.3 m standard stick hoe; standard cab with A/C; AWD powershift transmission; 1.03 m³ MP loader bucket; 600 mm standard duty hoe bucket; 340/80-20 and 480/80-26 tires; no counterweight; One Way Aux Lines; AWD Guard; Front Fenders; HD Battery; 80 kg operator; full fuel tank.

Minimum Counterweight 1014 lb
Recommendations - Extendible Stick - Loader Bucket - IT Loader with QC - GP

Counterweights - Mid 529 lb

Loader QC 408 lb

4.3 m Extendible Stick 439 lb

4.9 m Extendible Stick 783 lb

Hydraulic System

System Pressure - Backhoe 3626 psi

System Pressure - Loader	3626 psi
Pump Capacity @ 2,200 rpm	49.4 gal/min
Type	Closed Center
Pump Type	Variable-Flow, Axial Piston

Steering

AWD Cylinder, One (1) Double Acting - Rod Diameter	1.6 in
Power Steering	Hydrostatic
AWD Cylinder, One (1) Double Acting - Stroke	4.2 in
AWD Cylinder, One (1) Double Acting - Bore	2.6 in
Type	Front Wheel
Turning Circle - AWD (inner wheel not braked) - Outside, Widest Loading Bucket	38.1 ft
Turning Circle - AWD (inner wheel not braked) - Outside, Front Wheels	30.4 ft

Service Refill Capacities

Cooling System - A/C	4.8 gal (US)
Rear Axle	4.2 gal (US)
Engine Oil - With Filter	2.4 gal (US)
Hydraulic Tank	11.1 gal (US)
Rear Axle - Planetaries	0.4 gal (US)
Fuel Tank	42.3 gal (US)

Diesel Exhaust Fluid	5 gal (US)
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Hydraulic System	25.1 gal (US)
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Front Axle - Planetaries	0.02 gal (US)
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Front Axle	2.9 gal (US)
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Service Refills Capacities

Transmission (Powershift/Autoshift)	4.18 Gal
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Loader Performance

Breakout Force	12297 ft·lbf
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Operator Station

Controls	Seat Mounted Controls with Dual Mode
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Backhoe Digging Depth

Dig Depth	4778 mm/6150 mm (E-Stick)
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432 Standard Equipment

Cab ROPS And FOPS

Cab, Standard

Tires/Steering/Brakes

All Wheel Drive

100% Differential Lock

Hydraulic Boosted Brakes

Tires 26 inch

Engine/Transmission

Engine, C3.6 74.4 kW

Battery, 750 CCA, Standard

Hinged Radiator Pack

Auto Idle

Eco Mode

Standard Mode

Standard + Mode
Transmission Neutralizer
Transmission, Four Speed Powershift

Controls

Controls, Electro Hydraulic Seat Mounted
Pattern Selector (ISO/SAE)
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
Continuous Flow
Programmable Auxiliary Flow

Booms, Sticks And Linkages

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

Other Attachments

External Tool Box
Transport Tie Downs

432 Optional Equipment

Cab ROPS And FOPS

Cab, Deluxe

Tires/Steering/Brakes

Tires 28 inch

Engine/Transmission

Engine, C3.6 82 kW
Battery, 750 CCA, Heavy Duty

Engine Block Heater

Transmission, Six Speed Automatic

Transmission, Six Speed Autoshift with Lock-Up Torque Converter

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

Booms, Sticks And Linkages

Stick Extending, 4.3 m

Stick Extending, 4.9 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