

PRODUCT SPECIFICATIONS FOR 432

ENGINE

Power - Net	68 kW
Power	74.4 kW or 82 kW

ENGINE - EU STAGE V (STANDARD)

Torque Rise (net)	48% @ 1,500 rpm
Stroke	120 mm
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	3.6 l
Net Torque - SAE J1349	436 N·m
Bore	98 mm
Engine	C3.6 74.4 kW Electronic Turbo Intercooled No derating required up to 3048 m altitude. Auto derate protects hydraulic and transmission systems.
Note (2)	Meets EU Stage V emission standards.
Emissions	
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	98 mm
Net Torque - SAE J1349	485 N·m
Stroke	120 mm
Displacement	3.6 l
Note (2)	No derating required up to 3048 m altitude.

Engine	Auto derate protects hydraulic and transmission systems.
Emissions	C3.6 82 kW Electronic Turbo Intercooled 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
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TRANSMISSION

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

Reverse - 1st	6 km/h
Forward - 1st	6 km/h
Forward - 2nd	10 km/h
Reverse - 2nd	13 km/h
Forward - 4th	40 km/h
Reverse - 3rd	27.3 km/h
Forward - 3rd	20 km/h

TRANSMISSION - AUTO-SHIFT TRANSMISSION (OPTIONAL)

Forward - 6th	40 km/h
Reverse - 1st	6 km/h
Forward - 1st	6 km/h
Forward - 5th	27 km/h
Forward - 2nd	10 km/h
Forward - 3rd	13 km/h

Reverse - 3rd 27.3 km/h
Forward - 4th 20 km/h
Reverse - 2nd 13 km/h

TRANSMISSION - AUTO-SHIFT TRANSMISSION WITH LOCK-UP TORQUE CONVERTER (OPTIONAL)

Forward - 1st 6 km/h
Reverse - 3rd 27.3 km/h
Reverse - 2nd 13 km/h
Forward - 5th 27 km/h
Forward - 2nd 10 km/h
Forward - 4th 20 km/h
Forward - 6th 40 km/h
Reverse - 1st 6 km/h
Forward - 3rd 13 km/h

AXLE RATINGS

Rear Axle - Dynamic 10000 kg
Rear Axle - Static 26500 kg
Front Axle - Dynamic 9000 kg
Front Axle - Static 23500 kg

WEIGHTS

Operating Weight - Nominal	8469 kg
Operating Weight - Maximum	11000 kg
Operating Weight	8469 kg
Counterweights - Maximum	460 kg
Operating Weight - Maximum - ROPS Capacity	11000 kg
Ride Control	15 kg
Counterweights - Base	115 kg
Air Conditioning	45 kg
MP Bucket (1.03 m ³ /1.3 yd ³) - without Fold-over Forks	674 kg
Total Gross Weight Not to Exceed	11000 kg
Minimum Counterweight Recommendations	
- Standard Stick - Loader Bucket - No QC - MP	0 kg
Power-Shift Transmission	Standard

Minimum Counterweight Recommendations 460 kg
- Standard Stick - Loader Bucket - IT Loader
with QC - MP

Cab - ROPS/FOPS Standard

Minimum Counterweight Recommendations
- Standard Stick - Loader Bucket - IT Loader 460 kg
with QC - GP

**MP Bucket (1.03 m³/1.3 yd³) - with Fold-over
Forks** 860 kg

Minimum Counterweight Recommendations
- Extendible Stick - Loader Bucket - IT 460 kg
Loader with QC - MP

Minimum Counterweight Recommendations
- Extendible Stick - Loader Bucket - No QC - 460 kg
GP

Minimum Counterweight Recommendations
- Standard Stick - Loader Bucket - No QC - 240 kg
GP

Minimum Counterweight Recommendations
- Extendible Stick - Loader Bucket - No QC - 115 kg
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 Recommendations
- Extendible Stick - Loader Bucket - IT 460 kg
Loader with QC - GP
Counterweights - Mid 240 kg
Loader QC 185 kg
4.3 m Extendible Stick 199 kg
4.9 m Extendible Stick 355 kg

HYDRAULIC SYSTEM

System Pressure - Backhoe 250 bar
System Pressure - Loader 250 bar
Pump Capacity @ 2,200 rpm 187 l/min
Type Closed Center
Pump Type Variable-Flow, Axial Piston

STEERING

AWD Cylinder, One (1) Double Acting - Rod Diameter	40 mm
Power Steering	Hydrostatic
AWD Cylinder, One (1) Double Acting - Stroke	106 mm
AWD Cylinder, One (1) Double Acting - Bore Type	65 mm Front Wheel
Turning Circle - AWD (inner wheel not braked) - Outside, Widest Loading Bucket	11622 mm
Turning Circle - AWD (inner wheel not braked) - Outside, Front Wheels	9273 mm

SERVICE REFILL CAPACITIES

Cooling System - A/C	18 l
Rear Axle	16 l
Engine Oil - With Filter	9 l
Hydraulic Tank	42 l
Rear Axle - Planetaries	1.7 l
Fuel Tank	160 l
Diesel Exhaust Fluid	19 l
Hydraulic System	95 l
Front Axle - Planetaries	0.7 l
Front Axle	11 l

SERVICE REFILLS CAPACITIES

Transmission (Powershift/Autoshift) 19 l

LOADER PERFORMANCE

Breakout Force 54.7 kN

OPERATOR STATION

Controls Seat Mounted Controls with Dual Mode

BACKHOE DIGGING DEPTH

Dig Depth

4778 mm/6150 mm (E-Stick)

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