

PRODUCT SPECIFICATIONS FOR 432F2

Power - Net	70.9 kW
Net Power - 2,200 rpm - 80/1269/EEC	70.9 kW
Note	*Meets Stage II/Tier 2 equivalent emission standards.
Displacement	4.4 l
Engine	3054C 74.5 kW Mechanical – Turbo
Bore	105 mm
Torque Rise - 1,400 rpm - Net	31%
Rated Power (Standard) - 2,200 rpm - Gross - ISO 14396	74.5 kW
Net Power - 2,200 rpm - ISO 9249	70.9 kW
Stroke	127 mm
Maximum Torque - 1,400 rpm	397 N·m
Operating Weight - Nominal	8479 kg
Operating Weight - Maximum	11000 kg
MP Bucket (1.31 yd3/1.00 m3) - Without Fold-Over Forks	611 kg
Operating Weight	8479 kg
Operating Weight - With 1.31 yd3 (1.00 m3) Bucket	8510 kg

4.9 m Extendible Stick - Excluding Front Counterweight	354 kg
Operating Weight - ROPS Capacity - Maximum	11000 kg
Counterweights - Medium	240 kg
Counterweights - Base	115 kg
Air Conditioning	34 kg
MP Bucket (1.31 yd³/1.00 m³) - With Fold-Over Forks	842 kg
Ride Control	11 kg
4.3 m Extendible Stick - Excluding Front Counterweight	199 kg
Quick Coupler - Minimum Counterweight Recommendations - Extendible Stick: Loader Bucket - GP	460 kg
Quick Coupler - Minimum Counterweight Recommendations - Standard Stick: Loader Bucket - GP	460 kg
Pin On - Minimum Counterweight Recommendations - Standard Stick: Loader Bucket - MP	0 kg
Pin On - Minimum Counterweight Recommendations - Standard Stick: Loader Bucket - GP	240 kg
Pin On - Minimum Counterweight Recommendations - Extendible Stick: Loader Bucket - MP	115 kg
Quick Coupler - Minimum Counterweight Recommendations - Extendible Stick: Loader Bucket - MP	460 kg
Quick Coupler - Minimum Counterweight Recommendations - Standard Stick: Loader Bucket - MP	460 kg
Pin On - Minimum Counterweight Recommendations - Extendible Stick: Loader Bucket - GP	460 kg

Counterweights - Maximum	460 kg
Maximum Pump Capacity	163 l/min
System Pressure - Loader	250 bar
System Pressure - Backhoe	250 bar
Type	Closed Center
Pump Type	Variable-flow, Axial Piston
Turning Circle (inner wheel not braked) - Outside Widest Loader Bucket	11 m
AWD Cylinder, One (1) Double Acting - Bore	65 mm
AWD Cylinder, One (1) Double Acting - Rod Diameter	36 mm
AWD Cylinder, One (1) Double Acting - Stroke	120 mm
Turning Circle (inner wheel not braked) - Outside Front Wheels	8.2 m
AWD Cylinder, One (1) Double Acting - Axle Oscillation	11 mm
Type	Front Wheel
Power Steering	Hydrostatic
Hydraulic System	95 l
Front Axle (AWD) - Center Housing	11 l
Rear Axle - Center Housing	16.5 l

Engine Oil - With Filter	8.8 l
Transmission - Power Shuttle - AWD	15 l
Cooling System	22.5 l
Fuel Tank	160 l
Hydraulic Tank	40 l
Rear Axle - Planetaries	1.7 l
Front Axle (AWD) - Planetaries	0.7 l
Transmission - Auto-Shift - AWD	19 l

Forward - 2nd	9.4 km/h
Forward - 3rd	21.6 km/h
Reverse - 1st	6 km/h
Forward - 4th	40 km/h
Forward - 1st	6 km/h
Reverse - 3rd	21.6 km/h
Reverse - 2nd	9.4 km/h
Reverse - 4th	40 km/h
Note	Travel speeds of Two Wheel Drive backhoe loader at full throttle, when equipped with 16.9×8 rear tires.

Forward - 5th	26.5 km/h
Forward - 1st	6 km/h
Forward - 2nd	9.6 km/h
Forward - 6th	40 km/h
Forward - 4th	19.9 km/h
Reverse - 1st	6 km/h
Forward - 3rd	12.6 km/h
Reverse - 2nd	12.6 km/h
Reverse - 3rd	27.6 km/h
Note	Travel speeds of Two Wheel Drive backhoe loader at full throttle, when equipped with 16.9×8 rear tires.
Net Power - ISO 9249	70.9 kW
Gross Power - ISO 14396	74.5 kW
Gross Power - ISO 14396	74.7 kW
Net Power - ISO 9249	70.1 kW
Features (1)	Heavy-duty rear axle with self adjusting inboard brakes, differential lock and final drives.
Features (3)	AWD can be engaged on the move, under load, in any gear, forward or reverse.

Features (5)	AWD front axle is pendulum mounted and permanently sealed and lubricated, requiring no daily maintenance.
Features (4)	AWD has outer final drives for easy maintenance.
Features (6)	AWD also features double-acting steering cylinder with 52° steering angle for increased maneuverability.
Features (2)	AWD is engaged by front console panel switch or by brake pedal during all-wheel-braking operation.
Type	Fully enclosed boosted, hydraulic, multiple discs.
Features (2)	Completely enclosed and sealed.
Features (6)	Parking brake is mechanically applied through a hand lever located in the right side console.
Features (5)	Parking/secondary brakes are independent of the service brake system.
Features (3)	Self-adjusting.
Features (7)	Meets ISO 3450:1996 requirements.
Features (1)	Inboard oil-immersed, hydraulically actuated multiple Kevlar discs on final drive input shaft.
Features (4)	Dual foot-operated boosted brake pedals can be interlocked for roading.
Digging Depth - SAE Maximum - E-Stick Extended - 4.26 m	5274 mm
Digging Depth - SAE Maximum - E-Stick Retracted - 4.87 m	4613 mm
Digging Depth - SAE Maximum - Standard Stick	4278 mm
Digging Depth - SAE Maximum - E-Stick Extended - 4.87 m	5643 mm

Digging Depth - SAE Maximum - E-Stick Retracted - 4.26 m	4281 mm
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Rated Power (Standard) - 2,200 rpm - Gross - ISO 14396	74.5 kW
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Displacement	4.4 l
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Bore	105 mm
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Stroke	127 mm
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Net Power - 2,200 rpm - 80/1269/EEC	70.1 kW
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Maximum Torque - 1,400 rpm	398 N·m
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Torque Rise - 1,400 rpm - Net	32%
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Engine	C4.4 74.5 kW Mechanical – Turbo Intercooled
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Note	**Meets Stage IIIA/Tier 3 equivalent emission standards.
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Net Power - 2,200 rpm - ISO 9249	70.1 kW
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Reverse - 2nd	12.6 km/h
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Reverse - 3rd	27.6 km/h
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Reverse - 1st	6 km/h
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Forward - 2nd	9.6 km/h
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Forward - 3rd	12.6 km/h
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Note	Travel speeds of Two Wheel Drive backhoe loader at full throttle. when equipped
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Rated speeds of the three drive shafts (rear axle, when equipped with 16.9×8 rear tires).

Forward - 4th 19.9 km/h

Forward - 1st 6 km/h

Forward - 6th 40 km/h

Forward - 5th 25.5 km/h

Front Axle (AWD) - Dynamic 9186 kg

Front Axle (AWD) - Static 22964 kg

Rear Axle - Dynamic 9186 kg

Rear Axle - Static 22964 kg

Inside Cab 74 dB(A)

Outside Cab 101 dB(A)

Note *Stage IIIA with EN474 Prep. Pack.

432F2 STANDARD EQUIPMENT CAB

Cab, Standard

Cab ROPS and FOPS are standard. ROPS (Roll Over Protective Structure) offered by Caterpillar for this machine meets ROPS criteria ISO 3471:1994 and FOPS (Falling Objects Protective Structure) criteria ISO 3449:1992.

TIRES/STEERING/BRAKES

All Wheel Drive

100% Differential Lock

Hydraulic Boosted Brakes (dual pedals)

Tires 26 inch

ENGINE/TRANSMISSION

Battery 750 CCA, Maintenance Free (standard)

ECO Mode

Engine 74.5 kW (101 hp) Cat 3054C DIT

Engine 74.5 kW (101 hp) Cat C4.4 Turbocharged

Jump Start Connector

Transmission Neutralizer

Transmission, 4-Speed Manual

INPUT

Controls, Pilot (Servo) Joysticks

Pattern Selector (ISO/SAE)

Power Steering, Hydrostatic

OTHER ATTACHMENTS

Tool Storage Box

Transport Tie-downs

GUARDS

Loader Safety Brace

BOOM STICKS AND LINKAGES – BACKHOE

Stick, Standard (4.3 m)

Transport Lock, Swing

Transport Lock, Boom

HYDRAULICS

Hydraulic Pump (163 L/min)

Side Shift Lock (electro-hydraulic)

Hydraulic Oil Cooler

HYDRAULICS – LOADER

Loader Kickout, Float

Loader Kickout, Return to Dig

Parallel Lift

ELECTRICAL

Reversing Alarm

STANDARD CAB

Beacon Socket (×2)

Cab Internal Light

Cup Holders (×2)

Differential Lock Button on Loader Control

F/N/R (F/N/R – Forward/Neutral/Reverse) Functions on Loader Control

Removable Floor Mat

Front and Rear Side Opening Windows

Front Headlights (May vary depending on region)

Full Width Perforated Sun Visor

Fully Adjustable Work Lights (×8)
Cab, Fully Glazed
Gauge Cluster
Horn, Front
Horn, Joystick
Horn, Rear
Instrument Panel Vandal Guard
Internal Power Socket (×1)
Rear Tail Lights (LED)
Left Hand Storage Console
Infinitely Adjustable Backhoe Control Pods (fore and aft adjustment only)
Safety Lock, Hydraulics
Safety Lock, Transmission
Seat, Fabric
Self Cancelling Directional Indicator
Steering Wheel Column, Tilt Adjustment
Window Wipers, Front And Rear

DELUXE CAB

Air Recirculation Control
Auto-Up Stabilizers
Beacon Socket (×2)
Cab Internal Light (with courtesy setting)
Cup Holders (×2)
Differential Lock Button on Loader Control
F/N/R (F/N/R – Forward/Neutral/Reverse) Functions on Loader Control
Removable Floor Mat
Front and Rear Side Opening Windows
Front Headlights (May vary depending on region)
Full Width Perforated Sun Visor
Fully Adjustable Work Lights (×8)
Cab, Fully Glazed
Gauge Cluster
Horn, Front
Horn, Joystick
Horn, Rear
Instrument Panel Vandal Guard
Internal Power Socket (×1)
Rear Tail Lights (LED)
Left Hand Storage Console
Infinitely Adjustable Backhoe Control Pods (fore and aft plus lateral adjustment)
Safety Lock, Hydraulics
Safety Lock, Transmission
Seat, Deluxe Fabric
Self Cancelling Directional Indicator
Steering Wheel Column, Tilt and Telescopic Adjustment
Window Wipers, Front And Rear

432F2 OPTIONAL EQUIPMENT

CAB

Cab, Deluxe

TIRES/STEERING/BRAKES

Tires 28 inch

ENGINE/TRANSMISSION

Battery 750 CCA, Maintenance Free (heavy duty)

Engine Block Heater

Transmission, 6-Speed Automatic

Transmission, 6-Speed Automatic (torque lock-up)

OTHER ATTACHMENTS

Counterweight, 115 kg

Counterweight, 250 kg

Counterweight, 485 kg

Front Fenders

Street Pads, Stabilizers

GUARDS

Guard, Teeth (GP/MP)

Guard, Driveshaft

Guard, Tail Lights

Object Handling Kit

FIELD INSTALLED ATTACHMENTS

Powered Side Shift (PSS)

BOOM STICKS AND LINKAGES – BACKHOE

Quick Coupler, Hydraulic (backhoe)

Quick Coupler, Mechanical (backhoe)

Stick, Extending (4.3 m)

Stick, Extending (4.9 m)

BOOM STICKS AND LINKAGES – LOADER

Loader Cutting Edge (2 pieces)

Quick Coupler, Hydraulic

HYDRAULICS

Hydraulic Quick Disconnects (twist to connect)

HYDRAULICS – BACKHOE

Hydraulic Lines, 1-Way

Hydraulic Lines, 2-Way

Hydraulic Continuous Flow

HYDRAULICS – LOADER

Auto Ride Control

ELECTRICAL

Product Link Cellular

Product Link, Cellular
Product Link, Satellite
Beacon, Strobe
Beacon, Standard

STANDARD CAB

Air Conditioning
Entry Level Radio
Premium Radio
Face Fan
Seat, Deluxe Fabric Heated
Security Keypad

DELUXE CAB

Air Conditioning
Entry Level Radio
Premium Radio
Face Fan
Seat, Deluxe Fabric Heated
Security Keypad