**CATERPILLAR 428c Loader Backhoe**

 

**Selected Dimensions**

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| Backhoe |
| J. Load Height - Std | 12.5 ft in | 3803 mm |
| K. Reach From Swivel - Std | 18.3 ft in | 5578 mm |
| L. Dig Depth - Std | 15.6 ft in | 4766 mm |
| M. Reach at Load Height - Std | 5.4 ft in | 1638 mm |
| Dimensions |
| A. Transport Length | 18.9 ft in | 5760 mm |
| B. Transport Width | 7.9 ft in | 2396 mm |
| C. Transport Height | 12.3 ft in | 3740 mm |
| D. Wheelbase | 6.9 ft in | 2100 mm |
| E. Ground Clearance | 1 ft in | 320 mm |
| F. Height to Top of Cab | 9.5 ft in | 2900 mm |
| Loader |
| G. Clearance at Max Dump Height | 8.4 ft in | 2570 mm |
| H. Reach at Max Dump Height | 2.7 ft in | 820 mm |
| I. Dig Depth | 5.3 in | 135 mm |

**Specification**

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| Engine |
| Make | Caterpillar |
| Model | 3054 |
| Net Power | 78 hp | 58.2 kw |
| Gross Power | 75 hp | 55.9 kw |
| Displacement | 244.1 cu in | 4 L |
| Power Measured @ | 2200 rpm |
| Number of Cylinders | 4 |
| Net Torque Rise | 15.2 % |
| Aspiration | Natural |
| Operational |
| Operating Weight 2wd | 13889.1 lb | 6300 kg |
| Max Weight | 21384.8 lb | 9700 kg |
| Fuel Capacity | 33.8 gal | 128 L |
| Hydraulic System Fluid Capacity | 20.9 gal | 79 L |
| Oil System Fluid Capacity | 1.9 gal | 7.3 L |
| Cooling System Fluid Capacity | 5 gal | 18.9 L |
| Transmission Fluid Capacity | 4 gal | 15 L |
| Rear Axle Fluid Capacity | 6.3 gal | 24 L |
| Turning Radius | 26.6 ft in | 8100 mm |
| Tire Size Front - 2wd / 4wd | 11 x 16 / 10.5 x 20 |
| Rear Tires Size 2wd/4wd | 16.9 x 28 |
| Operating Voltage | 12 V |
| Alternator Supplied Amperage | 52 amps |
| Transmission |
| Type | Power Shuttle |
| Number of Forward Gears | 4 |
| Number of Reverse Gears | 4 |
| Max Speed - Forward | 19.8 mph | 31.8 km/h |
| Max Speed Reverse | 19.8 mph | 31.8 km/h |
| Backhoe |
| Dig Depth - Std | 15.6 ft in | 4766 mm |
| Dig Depth - Ext | 19.2 ft in | 5842 mm |
| Reach From Swivel - Std | 18.3 ft in | 5578 mm |
| Reach From Swivel - Ext | 21.7 ft in | 6625 mm |
| Load Height - Std | 12.5 ft in | 3803 mm |
| Load Height - Ext | 14.6 ft in | 4454 mm |
| Reach at Load Height - Std | 5.4 ft in | 1638 mm |
| Reach at Load Height - Ext | 8.5 ft in | 2579 mm |
| Loader |
| Bucket Capacity | 1.3 yd3 | 1 m3 |
| Bucket Width | 94.3 in | 2396 mm |
| Clearance at Max Dump Height | 8.4 ft in | 2570 mm |
| Reach at Max Dump Height | 2.7 ft in | 820 mm |
| Dig Depth | 5.3 in | 135 mm |
| Hydraulic |
| Pump Type | Piston |
| Pump Flow Capacity | 43.1 gal/min | 163 L/min |
| Relief Valve Pressure | 3002.3 psi | 20700 kPa |
| Dimensions |
| Transport Length | 18.9 ft in | 5760 mm |
| Transport Width | 7.9 ft in | 2396 mm |
| Transport Height | 12.3 ft in | 3740 mm |
| Height to Top of Cab | 9.5 ft in | 2900 mm |
| Wheelbase | 6.9 ft in | 2100 mm |
| Ground Clearance | 1 ft in | 320 mm |

**Caterpillar 428 Series II Loader Backhoe**

 

**Selected Dimensions**

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| Backhoe |
| J. Load Height - Std | 11.4 ft in | 3486 mm |
| K. Reach From Swivel - Std | 17.6 ft in | 5377 mm |
| L. Dig Depth - Std | 15.6 ft in | 4750 mm |
| Dimensions |
| A. Transport Length | 18.7 ft in | 5685 mm |
| B. Transport Width | 7.9 ft in | 2406 mm |
| C. Transport Height | 11.7 ft in | 3574 mm |
| D. Wheelbase | 6.9 ft in | 2100 mm |
| E. Ground Clearance | 1 ft in | 320 mm |
| F. Height to Top of Cab | 9.1 ft in | 2776 mm |
| Loader |
| G. Clearance at Max Dump Height | 8.7 ft in | 2643 mm |
| H. Reach at Max Dump Height | 2.8 ft in | 844 mm |
| I. Dig Depth | 3.9 in | 99 mm |

**Specification**

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| Engine |
| Make | Perkins |
| Model | 4.2 |
| Net Power | 69.7 hp | 52 kw |
| Gross Power | 75.1 hp | 56 kw |
| Displacement | 235.6 cu in | 3.9 L |
| Operational |
| Operating Weight 2wd | 15747.6 lb | 7143 kg |
| Turning Radius | 12.8 ft in | 3914 mm |
| Tire Size Front - 2wd / 4wd | 9-16 10PR / 10.5-20 10PR |
| Rear Tires Size 2wd/4wd | 16.9-28 10 PR |
| Transmission |
| Number of Forward Gears | 4 |
| Number of Reverse Gears | 4 |
| Max Speed - Forward | 18.3 mph | 29.4 km/h |
| Max Speed Reverse | 18.4 mph | 29.6 km/h |
| Backhoe |
| Dig Depth - Std | 15.6 ft in | 4750 mm |
| Dig Depth - Ext | 19.7 ft in | 5998 mm |
| Reach From Swivel - Std | 17.6 ft in | 5377 mm |
| Reach From Swivel - Ext | 21.7 ft in | 6629 mm |
| Bucket Dig Force - Std | 10438 lb | 4734.6 kg |
| Bucket Dig Force - Ext | 10258 lb | 4653 kg |
| Load at Max Lift - Std | 3836 lb | 1740 kg |
| Load at Max Lift - Ext | 2116.4 lb | 960 kg |
| Load Height - Std | 11.4 ft in | 3486 mm |
| Load Height - Ext | 13.8 ft in | 4192 mm |
| Loader |
| Bucket Capacity | 1.3 yd3 | 1 m3 |
| Bucket Width | 94.3 in | 2396 mm |
| Bucket Breakout Force | 8048.2 lb | 35.8 kN |
| Lift Capacity at Full Height | 5249.2 lb | 2381 kg |
| Clearance at Max Dump Height | 8.7 ft in | 2643 mm |
| Reach at Max Dump Height | 2.8 ft in | 844 mm |
| Dig Depth | 3.9 in | 99 mm |
| Hydraulic |
| Pump Flow Capacity | 28.5 gal/min | 108 L/min |
| Relief Valve Pressure | 2700 psi | 18615.8 kPa |
| Dimensions |
| Transport Length | 18.7 ft in | 5685 mm |
| Transport Width | 7.9 ft in | 2406 mm |
| Transport Height | 11.7 ft in | 3574 mm |
| Height to Top of Cab | 9.1 ft in | 2776 mm |
| Wheelbase | 6.9 ft in | 2100 mm |
| Ground Clearance | 1 ft in | 320 mm |