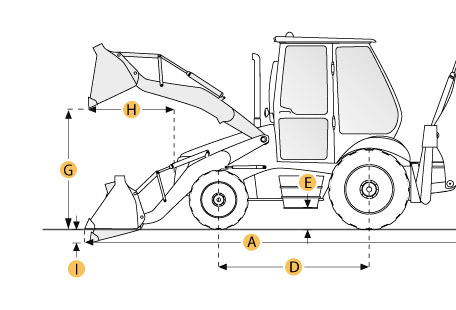
**Caterpillar 420e Loader Backhoe**



**Selected Dimensions**

|  |  |  |
| --- | --- | --- |
| Backhoe | | |
| J. Load Height - Std | 11.9 ft in | 3636 mm |
| K. Reach From Swivel - Std | 18.4 ft in | 5618 mm |
| L. Dig Depth - Std | 14.3 ft in | 4360 mm |
| M. Reach at Load Height - Std | 5.8 ft in | 1768 mm |
| Dimensions | | |
| A. Transport Length | 24.1 ft in | 7343 mm |
| B. Transport Width | 8 ft in | 2438 mm |
| C. Transport Height | 11.8 ft in | 3577 mm |
| D. Wheelbase | 7.3 ft in | 2200 mm |
| E. Ground Clearance | 1 ft in | 320 mm |
| F. Height to Top of Cab | 9.3 ft in | 2819 mm |
| Loader | | |
| G. Clearance at Max Dump Height | 8.4 ft in | 2573 mm |
| H. Reach at Max Dump Height | 2.8 ft in | 853 mm |
| I. Dig Depth | 4 in | 106 mm |

**Specification**

|  |  |  |
| --- | --- | --- |
| Engine | | |
| Make | Caterpillar | |
| Model | C4.4 DIT | |
| Gross Power | 101 hp | 75.3 kw |
| Net Power | 93 hp | 69.4 kw |
| Displacement | 268 cu in | 4.4 L |
| Power Measured @ | 2200 rpm | |
| Torque Measured @ | 1400 rpm | |
| Net Torque Rise | 36 % | |
| Net Max Torque | 301 lb ft | 408.1 Nm |
| Operational | | |
| Operating Weight 4wd | 16115.8 lb | 7310 kg |
| Max Weight | 24250.8 lb | 11000 kg |
| Fuel Capacity | 38 gal | 144 L |
| Hydraulic System Fluid Capacity | 20.9 gal | 79 L |
| Oil System Fluid Capacity | 2 gal | 7.6 L |
| Cooling System Fluid Capacity | 4.4 gal | 16.7 L |
| Transmission Fluid Capacity | 5 gal | 19 L |
| Front Axle Fluid Capacity | 2.9 gal | 11 L |
| Rear Axle Fluid Capacity | 4.4 gal | 16.5 L |
| Turning Radius | 17.8 ft in | 5420 mm |
| Tire Size Front - 2wd / 4wd | 11L-16 F-3/12.5/80-18 (10ply) 1-3 Super Traction | |
| Rear Tires Size 2wd/4wd | 19.5L-24 (12 ply) R4 ATU/ 19.5L-24 (12 ply) IT 525 | |
| Operating Voltage | 12 V | |
| Transmission | | |
| Number of Forward Gears | 4 | |
| Number of Reverse Gears | 4 | |
| Max Speed - Forward | 24.9 mph | 40.1 km/h |
| Max Speed Reverse | 24.9 mph | 40.1 km/h |
| Backhoe | | |
| Dig Depth - Std | 14.3 ft in | 4360 mm |
| Dig Depth - Ext | 17.9 ft in | 5456 mm |
| Reach From Swivel - Std | 18.4 ft in | 5618 mm |
| Reach From Swivel - Ext | 21.8 ft in | 6666 mm |
| Bucket Dig Force - Std | 13875 lb | 6293.6 kg |
| Bucket Dig Force - Ext | 13863 lb | 6288.2 kg |
| Load at Max Lift - Std | 3511 lb | 1596 kg |
| Load at Max Lift - Ext | 2288 lb | 1040 kg |
| Load Height - Std | 11.9 ft in | 3636 mm |
| Load Height - Ext | 13.6 ft in | 4145 mm |
| Reach at Load Height - Std | 5.8 ft in | 1768 mm |
| Reach at Load Height - Ext | 9.1 ft in | 2771 mm |
| Loader | | |
| Bucket Capacity | 1.3 yd3 | 0.96 m3 |
| Bucket Width | 7.4 in | 2262 mm |
| Bucket Breakout Force | 10242 lb | 45.6 kN |
| Lift Capacity at Full Height | 6457 lb | 2929 kg |
| Clearance at Max Dump Height | 8.4 ft in | 2573 mm |
| Reach at Max Dump Height | 2.8 ft in | 853 mm |
| Dig Depth | 4 in | 106 mm |
| Hydraulic | | |
| Pump Type | variable-flow, axial piston | |
| Pump Flow Capacity | 43 gal/min | 163 L/min |
| Relief Valve Pressure | 3611 psi | 24898 kPa |
| Dimensions | | |
| Transport Length | 24.1 ft in | 7343 mm |
| Transport Width | 8 ft in | 2438 mm |
| Transport Height | 11.8 ft in | 3577 mm |
| Height to Top of Cab | 9.3 ft in | 2819 mm |
| Wheelbase | 7.3 ft in | 2200 mm |
| Ground Clearance | 1 ft in | 320 mm |