**Caterpillar 966R Wheel Loader**



**Selected Dimensions**

|  |
| --- |
| Bucket |
| G. Dump Clearance at Max Raise | 9.7 ft in | 2959 mm |
| Dimensions |
| A. Length with Bucket on Ground | 22.6 ft in | 6883 mm |
| B. Width Over Tires | 9.1 ft in | 2770 mm |
| C. Height to Top of Cab | 10.8 ft in | 3280 mm |
| D. Wheelbase | 10.2 ft in | 3100 mm |
| E. Ground Clearance | 1.3 ft in | 399 mm |
| F. Hinge Pin - Max Height | 13.1 ft in | 3990 mm |
| H. Reach at Max Lift and Dump | 3.3 ft in | 991 mm |

**Specification**

|  |
| --- |
| Engine |
| Make | 2236 |
| Model | 3306 |
| Gross Power | 170.3 hp | 127 kw |
| Displacement | 640.7 cu in | 10.5 L |
| Operational |
| Operating Weight | 36890 lb | 16733 kg |
| Fuel Capacity | 65 gal | 246 L |
| Hydrauilc System Fluid Capacity | 52 gal | 197 L |
| Static Tipping Weight | 27941.4 lb | 12674 kg |
| Turning Radius | 22.3 ft in | 6782 mm |
| Tire Size | 23.5-25 |
| Transmission |
| Number of Forward Gears | 4 |
| Number of Reverse Gears | 4 |
| Max Speed - Forward | 21.7 mph | 34.9 km/h |
| Max Speed - Reverse | 24.2 mph | 38.9 km/h |
| Hydraulic System |
| Raise Time | 6.2 sec |
| Dump Time | 1.6 sec |
| Lower Time | 3.8 sec |
| Bucket |
| Breakout Force | 25910 lb |  kN |
| Dump Clearance at Max Raise | 9.7 ft in | 2959 mm |
| Bucket Width | 9.6 ft in | 2921 mm |
| Bucket Capacity - heaped | 4.1 yd3 | 3.1 m3 |
| Bucket Capacity - struck | 3.4 yd3 | 2.6 m3 |
| Dimensions |
| Length with Bucket on Ground | 22.6 ft in | 6883 mm |
| Width Over Tires | 9.1 ft in | 2770 mm |
| Height to Top of Cab | 10.8 ft in | 3280 mm |
| Ground Clearance | 1.3 ft in | 399 mm |
| Wheelbase | 10.2 ft in | 3100 mm |
| Hinge Pin - Max Height | 13.1 ft in | 3990 mm |
| Reach at Max Lift and Dump | 3.3 ft in | 991 mm |