CATERPILLAR 966f Wheel Loader

 

**Selected Dimensions**

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| Bucket |
| G. Dump Clearance at Max Raise | 9.3 ft in | 2845 mm |
| Dimensions |
| A. Length with Bucket on Ground | 27.4 ft in | 8366 mm |
| B. Width Over Tires | 9.6 ft in | 2935 mm |
| C. Height to Top of Cab | 11.8 ft in | 3585 mm |
| D. Wheelbase | 11 ft in | 3350 mm |
| E. Ground Clearance | 1.6 ft in | 476 mm |
| F. Hinge Pin - Max Height | 13.5 ft in | 4118 mm |
| H. Reach at Max Lift and Dump | 4.6 ft in | 1398 mm |

**Specification**

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| Engine |
| Make | Caterpillar |
| Model | 3306 |
| Net Power | 220 hp | 164.1 kw |
| Gross Power | 235 hp | 175.2 kw |
| Power Measured @ | 2200 rpm |
| Displacement | 640.7 cu in | 10.5 L |
| Number of Cylinders | 6 |
| Aspiration | Turbocharged |
| Operational |
| Operating Weight | 45161.7 lb | 20485 kg |
| Fuel Capacity | 80.3 gal | 304 L |
| Hydrauilc System Fluid Capacity | 54.2 gal | 205 L |
| Engine Oil Fluid Capacity | 7.4 gal | 28 L |
| Cooling System Fluid Capacity | 10.8 gal | 41 L |
| Transmission Fluid Capacity | 15.6 gal | 59 L |
| Front Axle/Diff Fluid Capacity | 12.4 gal | 47 L |
| Rear Axle/Diff Fluid Capacity | 12.4 gal | 47 L |
| Static Tipping Weight | 30825 lb | 13982 kg |
| Turning Radius | 22.2 ft in | 6779 mm |
| Operating Voltage | 24 V |
| Alternator Supplied Amperage | 50 amps |
| Rear Axle Oscillation | 26 degrees |
| Tire Size | 26.5-25 14PR |
| Transmission |
| Type | Planetary powershift |
| Number of Forward Gears | 4 |
| Number of Reverse Gears | 4 |
| Max Speed - Forward | 23.4 mph | 37.6 km/h |
| Max Speed - Reverse | 26.5 mph | 42.6 km/h |
| Hydraulic System |
| Relief Valve Pressure | 3000 psi | 20684.3 kPa |
| Pump Flow Capacity | 79.8 gal/min | 302 L/min |
| Raise Time | 7.1 sec |
| Dump Time | 2 sec |
| Lower Time | 2.4 sec |
| Bucket |
| Breakout Force | 48446 lb | 215.5 kN |
| Dump Clearance at Max Raise | 9.3 ft in | 2845 mm |
| Bucket Width | 10.2 ft in | 3107 mm |
| Bucket Capacity - heaped | 4.7 yd3 | 3.6 m3 |
| Bucket Capacity - struck | 4 yd3 | 3.1 m3 |
| Dimensions |
| Length with Bucket on Ground | 27.4 ft in | 8366 mm |
| Width Over Tires | 9.6 ft in | 2935 mm |
| Height to Top of Cab | 11.8 ft in | 3585 mm |
| Ground Clearance | 1.6 ft in | 476 mm |
| Wheelbase | 11 ft in | 3350 mm |
| Hinge Pin - Max Height | 13.5 ft in | 4118 mm |
| Reach at Max Lift and Dump | 4.6 ft in | 1398 mm |