Case 621D Wheel Loader

 

**Selected Dimensions**

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| Bucket |
| G. Dump Clearance at Max Raise | 9.2 ft in | 2806 mm |
| Dimensions |
| A. Length with Bucket on Ground | 23.1 ft in | 7036 mm |
| B. Width Over Tires | 7.8 ft in | 2382 mm |
| C. Height to Top of Cab | 10.8 ft in | 3306 mm |
| D. Wheelbase | 9.5 ft in | 2900 mm |
| E. Ground Clearance | 1.6 ft in | 474 mm |
| F. Hinge Pin - Max Height | 12.6 ft in | 3835 mm |
| H. Reach at Max Lift and Dump | 3.3 ft in | 1013 mm |

**Specification**

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| Engine |
| Make | Case |
| Model | Family III 668TA/M2 |
| Net Power | 136 hp | 101.4 kw |
| Gross Power | 148 hp | 110.4 kw |
| Power Measured @ | 2000 rpm |
| Displacement | 409 cu in | 6.7 L |
| Torque Measured @ | 1200 rpm |
| Number of Cylinders | 6 |
| Max Torque | 495 lb ft | 671.1 Nm |
| Torque Rise | 33 % |
| Aspiration | turbocharged and air to air cooled |
| Operational |
| Operating Weight | 26083 lb | 11831 kg |
| Fuel Capacity | 49.9 gal | 189 L |
| Hydrauilc System Fluid Capacity | 30 gal | 113.6 L |
| Engine Oil Fluid Capacity | 4.3 gal | 16.2 L |
| Cooling System Fluid Capacity | 6.3 gal | 24 L |
| Transmission Fluid Capacity | 5 gal | 18.9 L |
| Front Axle/Diff Fluid Capacity | 5.8 gal | 22 L |
| Rear Axle/Diff Fluid Capacity | 5.8 gal | 22 L |
| Static Tipping Weight | 22434.2 lb | 10176 kg |
| Turning Radius | 17 ft in | 5175 mm |
| Operating Voltage | 24 V |
| Alternator Supplied Amperage | 70 amps |
| Rear Axle Oscillation | 24 degrees |
| Tire Size | 20.5x25 L3 |
| Transmission |
| Type | 4F/3R proportional w/ electronic control module torque sensing autoshift/manual shift and modulation |
| Number of Forward Gears | 4 |
| Number of Reverse Gears | 3 |
| Max Speed - Forward | 24 mph | 38.6 km/h |
| Max Speed - Reverse | 15.6 mph | 25.1 km/h |
| Hydraulic System |
| Pump Type | closed centered pressure/flow compensated |
| Relief Valve Pressure | 3600 psi | 172.4 kPa |
| Pump Flow Capacity | 45.2 gal/min | 171.1 L/min |
| Raise Time | 5.4 sec |
| Dump Time | 1.5 sec |
| Lower Time | 5 sec |
| Bucket |
| Breakout Force | 23237 lb |  kN |
| Dump Clearance at Max Raise | 9.2 ft in | 2806 mm |
| Bucket Width | 8.5 ft in | 2602 mm |
| Bucket Capacity - heaped | 3 yd3 | 2.3 m3 |
| Bucket Capacity - struck | 2.6 yd3 | 2 m3 |
| Dimensions |
| Length with Bucket on Ground | 23.1 ft in | 7036 mm |
| Width Over Tires | 7.8 ft in | 2382 mm |
| Height to Top of Cab | 10.8 ft in | 3306 mm |
| Ground Clearance | 1.6 ft in | 474 mm |
| Wheelbase | 9.5 ft in | 2900 mm |
| Hinge Pin - Max Height | 12.6 ft in | 3835 mm |
| Reach at Max Lift and Dump | 3.3 ft in | 1013 mm |