Liebherr L538 Wheel Loader

 

**Selected Dimensions**

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| Bucket |
| G. Dump Clearance at Max Raise | 9.4 ft in | 2870 mm |
| Dimensions |
| A. Length with Bucket on Ground | 23.4 ft in | 7135 mm |
| C. Height to Top of Cab | 10.7 ft in | 3250 mm |
| D. Wheelbase | 9.5 ft in | 2900 mm |
| E. Ground Clearance | 1.5 ft in | 460 mm |
| F. Hinge Pin - Max Height | 12.8 ft in | 3900 mm |
| H. Reach at Max Lift and Dump | 3.2 ft in | 970 mm |

**Specification**

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| Engine |
| Make | Liebherr |
| Model | D 924 TI-E A1 |
| Gross Power | 136 hp | 101.4 kw |
| Power Measured @ | 2000 rpm |
| Displacement | 405.2 cu in | 6.6 L |
| Torque Measured @ | 1400 rpm |
| Number of Cylinders | 4 |
| Max Torque | 418.2 lb ft | 567 Nm |
| Aspiration | Inline engine, water-cooled exhaust-turbo charged with intercooler |
| Operational |
| Operating Weight | 27028.7 lb | 12260 kg |
| Fuel Capacity | 42.3 gal | 160 L |
| Hydrauilc System Fluid Capacity | 34.3 gal | 130 L |
| Engine Oil Fluid Capacity | 5.4 gal | 20.5 L |
| Front Axle/Diff Fluid Capacity | 4.1 gal | 15.5 L |
| Rear Axle/Diff Fluid Capacity | 4.1 gal | 15.5 L |
| Static Tipping Weight | 22399 lb | 10160 kg |
| Turning Radius | 19 ft in | 5795 mm |
| Operating Voltage | 24 V |
| Alternator Supplied Amperage | 55 amps |
| Rear Axle Oscillation | 12 degrees |
| Tire Size | 20.5 R 25 |
| Transmission |
| Type | Stepless hydrostatic travel drive |
| Number of Forward Gears | 2 |
| Number of Reverse Gears | 2 |
| Max Speed - Forward | 21.1 mph | 34 km/h |
| Max Speed - Reverse | 21.1 mph | 34 km/h |
| Hydraulic System |
| Pump Type | Load-Sensing vaiable axial piston pump with output control and pressure cutoff |
| Relief Valve Pressure | 4351.1 psi | 30000 kPa |
| Pump Flow Capacity | 37 gal/min | 140 L/min |
| Raise Time | 6 sec |
| Dump Time | 1.6 sec |
| Lower Time | 4 sec |
| Bucket |
| Breakout Force | 23604.9 lb | 105 kN |
| Dump Clearance at Max Raise | 9.4 ft in | 2870 mm |
| Bucket Width | 8.2 ft in | 2500 mm |
| Bucket Capacity - heaped | 3.3 yd3 | 2.5 m3 |
| Dimensions |
| Length with Bucket on Ground | 23.4 ft in | 7135 mm |
| Height to Top of Cab | 10.7 ft in | 3250 mm |
| Ground Clearance | 1.5 ft in | 460 mm |
| Wheelbase | 9.5 ft in | 2900 mm |
| Hinge Pin - Max Height | 12.8 ft in | 3900 mm |
| Reach at Max Lift and Dump | 3.2 ft in | 970 mm |