Komatsu WA270PT-3 Active Wheel Loader

 

**Selected Dimensions**

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| Bucket |
| G. Dump Clearance at Max Raise | 8.3 ft in | 2525 mm |
| Dimensions |
| A. Length with Bucket on Ground | 23.8 ft in | 7250 mm |
| B. Width Over Tires | 8 ft in | 2440 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 | 12.6 ft in | 3838 mm |
| H. Reach at Max Lift and Dump | 4.3 ft in | 1324 mm |

**Specification**

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| Engine |
| Make | Komatsu |
| Model | S6D102 E1 |
| Gross Power | 141 hp | 105.1 kw |
| Power Measured @ | 2200 rpm |
| Displacement | 360 cu in | 5.9 L |
| Number of Cylinders | 6 |
| Max Torque | 417.5 lb ft | 566 Nm |
| Aspiration | Turbocharged |
| Operational |
| Operating Weight | 27998.7 lb | 12700 kg |
| Fuel Capacity | 48.9 gal | 185 L |
| Hydrauilc System Fluid Capacity | 31.7 gal | 120 L |
| Engine Oil Fluid Capacity | 4.2 gal | 16 L |
| Cooling System Fluid Capacity | 14.8 gal | 56 L |
| Transmission Fluid Capacity | 4.4 gal | 16.7 L |
| Front Axle/Diff Fluid Capacity | 6.7 gal | 25.5 L |
| Rear Axle/Diff Fluid Capacity | 6.7 gal | 25.5 L |
| Static Tipping Weight | 18077.9 lb | 8200 kg |
| Turning Radius | 17.2 ft in | 5240 mm |
| Operating Voltage | 24 V |
| Alternator Supplied Amperage | 50 amps |
| Rear Axle Oscillation | 24 degrees |
| Tire Size | 20.5 R 25 |
| Transmission |
| Type | fully automatic 4-speed full powershift with 'kickdown' |
| Number of Forward Gears | 4 |
| Number of Reverse Gears | 3 |
| Max Speed - Forward | 25 mph | 40.2 km/h |
| Max Speed - Reverse | 16.2 mph | 26 km/h |
| Hydraulic System |
| Relief Valve Pressure | 3045.8 psi | 21000 kPa |
| Pump Flow Capacity | 46.2 gal/min | 175 L/min |
| Raise Time | 5 sec |
| Dump Time | 1.5 sec |
| Lower Time | 2.7 sec |
| Bucket |
| Breakout Force | 21581.7 lb | 96 kN |
| Dump Clearance at Max Raise | 8.3 ft in | 2525 mm |
| Bucket Width | 8.2 ft in | 2500 mm |
| Bucket Capacity - heaped | 2.6 yd3 | 2 m3 |
| Dimensions |
| Length with Bucket on Ground | 23.8 ft in | 7250 mm |
| Width Over Tires | 8 ft in | 2440 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 | 12.6 ft in | 3838 mm |
| Reach at Max Lift and Dump | 4.3 ft in | 1324 mm |