**Engine**

|  |  |
| --- | --- |
| Net Power - ISO 9249 | 297.0 kW |
| Engine Model | Cat C13 ACERT |
| Displacement | 12.5 L |
| Maximum Power @ 1,700 rpm – SAE J1995 | 325.0 kW |
| Maximum Power @ 1,700 rpm – SAE J1995 (metric) | 325.0 kW |
| Maximum Power @ 1,700 rpm – ISO 14396 | 321.0 kW |
| Maximum Power @ 1,700 rpm – ISO 14396 (metric) | 321.0 kW |
| Maximum Net Power @ 1,700 rpm – SAE J1349 | 297.0 kW |
| Maximum Net Power @ 1,700 rpm – SAE J1349 (metric) | 297.0 kW |
| Maximum Net Power @ 1,700 rpm – ISO 9249 | 297.0 kW |
| Maximum Net Power @ 1,700 rpm – ISO 9249 (metric) | 297.0 kW |
| Peak Gross Torque (1,200 rpm) – SAE J1995 | 2206.0 N·m |
| Peak Gross Torque (1,200 rpm) – ISO 14396 | 2182.0 N·m |
| Maximum Net Torque (1,100 rpm) | 2058.0 N·m |
| Note | The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a (Global Warming Potential = 1430). The system contains 1.6 kg of refrigerant which has a CO2 equivalent of 2.288 metric tonnes. |

**Weights**

|  |  |
| --- | --- |
| Operating Weight | 35563.0 kg |
| Note | Weight based on a machine configuration with Bridgestone 875/65R29 VLTS L4 radial tires, full fluids, operator, standard counterweight, cold start, roading fenders, Product Link™, open differential axles, secondary steering, sound suppression, and a 6.1 m3 (8.0 yd3) GP bucket with BOCE. |

**Buckets**

|  |  |
| --- | --- |
| Bucket Capacities | 4.6-12.0 m³ (6.0-15.75 yd³) |

**Operating Specifications**

|  |  |
| --- | --- |
| Breakout Force | 260.0 kN |
| Static Tipping Load – Full 40° Turn – with Tire Deflection | 21080.0 kg |
| Static Tipping Load – Full 40° Turn – No Tire Deflection | 22393.0 kg |
| Note | For a machine configuration as defined under “Weight.” |
| Note | Full compliance to ISO 143971:2007 Sections 1 thru 6. |

**Transmission**

|  |  |
| --- | --- |
| Forward 1 | 6.2 km/h |
| Forward 2 | 11.9 km/h |
| Forward 3 | 21.1 km/h |
| Forward 4 | 37.5 km/h |
| Reverse 1 | 7.0 km/h |
| Reverse 2 | 13.6 km/h |
| Reverse 3 | 24.1 km/h |
| Reverse 4 | 39.5 km/h |
| Note | Maximum travel speed in standard vehicle with empty bucket and standard L4 tires with 914 mm (36 in) roll radius. |

**Hydraulic System**

|  |  |
| --- | --- |
| Implement System: Maximum Pump Output (2,250 rpm) | 449.0 L/min |
| Implement System: Maximum Operating Pressure | 34300.0 kPa |
| Hydraulic Cycle Time – Total | 10.1 Seconds |

**Service Refill Capacities**

|  |  |
| --- | --- |
| Cooling System | 53.0 L |
| Crankcase | 37.0 L |
| Transmission | 77.0 L |
| Hydraulic Tank | 180.0 L |
| Fuel Tank | 426.0 L |
| DEF tank | 21.0 L |
| Differentials and Final Drives – Front | 92.0 L |
| Differentials and Final Drives – Rear | 92.0 L |

**Bucket Capacities**

|  |  |
| --- | --- |
| Bucket Range | 4.6-12.0 m³ (6.0-15.75 yd³) |

**Sound**

|  |  |
| --- | --- |
| With Cooling Fan Speed at Maximum Value: Operator Sound Pressure Level (ISO 6396:2008) | 72.0 dB(A) |
| With Cooling Fan Speed at Maximum Value: Exterior Sound Power Level (ISO 6395:2008) | 112.0 dB(A) |
| With Cooling Fan Speed at Maximum Value: Exterior Sound Pressure Level (SAE J88:2013) | 78 dB(A)\* |
| Note | \*Distance of 15 m (49.2 ft), moving forward in second gear ratio. |
| With Cooling Fan Speed at 70% of Maximum Value: Operator Sound Pressure Level (ISO 6396:2008)\*\* | 72.0 dB(A) |
| With Cooling Fan Speed at 70% of Maximum Value: Exterior Sound Power Level (ISO 6395:2008)\*\* | 109 LWA\*\*\* |
| Note | \*\*For machines in European Union countries and in countries that adopt the “EU Directives.” |
| Note | \*\*\*European Union Directive “2000/14/EC” as amended by “2005/88/EC.” |

**Dimensions – Standard Lift**

|  |  |
| --- | --- |
| Height to Top of Hood | 3083.0 mm |
| Height to Top of Exhaust Pipe | 3719.0 mm |
| Height to Top of ROPS | 3786.0 mm |
| Ground Clearance | 426.0 mm |
| Center Line of Rear Axle to Edge of Counterweight | 2716.0 mm |
| Center Line of Rear Axle to Hitch | 1900.0 mm |
| Wheelbase | 3800.0 mm |
| Overall Length (without bucket) | 8584.0 mm |
| Hinge-Pin Height at Maximum Lift | 4743.0 mm |
| Hinge-Pin Height at Carry | 790.0 mm |
| Lift Arm Clearance at Maximum Lift | 3884.0 mm |
| Rack Back at Maximum Lift | 57 degrees |
| Rack Back at Carry Height | 48 degrees |
| Rack Back at Ground | 42 degrees |
| Maximum Width over Tires | 3499.0 mm |
| Tread Width | 2540.0 mm |