

Wheel loader

CG948H

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|-----------------------|--------------------|
| Operating weight | 13200kg |
| Load capacity | 4000kg |
| Rated Capacity | 2.3 m ³ |
| Breakout Force | 133kn |
| Working cycle time | 10.4s |
| Max. dumping height | 2837mm |
| Max. dumping reach | 960mm |
| Max. gradeability | 30° |
| Min. turning radius | 5695mm |
| Max speed (forwards) | 37km/h 23mhp |
| Length | 7400mm |
| Width | 2800mm |
| Height | 3485mm |
| Engine | Cummins QSB6.7 |
| Rated power of engine | 119KW / 159.6HP |

Note:

1. Working cycle time equals the sum of the raising time taken by the swing arm, the descending time of the swing arm, and the rolling time of the bucket.
2. We reserve the right to make changes to the configuration and specification of our products without prior notice due to the continuous technical improvements of CG construction machines.

1. **CG948H (CE) standard wheel loader** has obtained the CE certification of TÜV Rheinland Group.
2. The wheel loader uses the imported original Cummins QSB 6.7 engine that can meet the criteria of European Emission Stage III and EPA Tier III standard, and has the advantages of low oil consumption and abundant power supply.
3. Using the load-sensing full hydraulic power steering system, dual-pump-converging hydraulic system and the jib lifting limitation device as well as the bucket auto-leveling equipment, the wheel loader then can operate conveniently and effectively and save energy.
4. Employing the Germany ZF 158 electro-hydraulic transmission with four forward speeds & three backward speeds and the wet drive axle, our machine can work under various operation conditions.
5. The hydraulic-motor driven independent cooling system featured high cooling capacity is also employed. The radiator is easy to clean.
6. Our wheel loader has the spacious ROPS/FOPS cabin, with operation box integrated with the seat. The cabin has attained the national patent.
7. The wheel loader is also equipped with the backward opening engine hood that is lifted by electric motor. Then, both the engine and the cooling system can operate well.

| ITEM | CG938H | CG948H | CG958H | CG990H |
|---------------------|--------------------|-------------------------|----------------------------------|-----------------------------------|
| Operating weight | 12500kg/ | 13200KG / 29101LB | 17700kg / 39021lb | 31500-32000kg / 69300-70400LB |
| Bucket Capacity | 2.1 m ³ | 2.3m ³ / 3yd | 3-4.7yd / 2.5-3.6 m ³ | 5.9-8.9yd / 4.5-6.8m ³ |
| Rated Load capacity | 3800kg | 4000kg / 8818.5lb | 5000kg / 11023.1lb | 9000kg / 19800lb |
| Breakout Force | 119KN | 133kn / 29.925kip | 180kn / 40.5kip | 260kn / 58.6KIP |

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| Fuel Tank Capacity | | 180l / 39.6gal | 250L / 55GAL | 420L / 110.95GAL |
| Grade Ability | 30° | 30° | 30° | 30° |
| Max. dumping height | 2949±50mm | 2837+-50mm / 9'3"+-1.9" | 3196mm+-50mm / 10'5"+-1.9" | 3313mm+-50MM / 10'9"+-1.9" |
| Dump Clearance @ Max. Lift | 923±50mm | 960+-50mm / 3'1"+-1.9" | 1039mm+-50MM / 3'4"+-1.9" | 1317mm+-50MM / 4'5"+-1.9" |
| Max. Forward Speed | 34km/h 21mhp | 37km/h 23mhp | 36KM/H 22.4MPH | 32KM/H 19.9MPH |
| Hydraulic Oil Capacity | | 100l / 22gal | 110L / 24GAL | 260L / 68.6GAL |
| Max. Traction Force | 110KN | | 180kn | 260kn |
| Working cycle time | 9.6S | 10.4S | 11.8s | 12s |
| Wheelbase | 2900±30mm | | 3360mm | 3600mm |
| Wheel track | | | 2745mm | 3250mm |
| Min. turning radius | 5200 | 5695 | 6400mm | 6882mm |
| Length | 7330mm | 7400mm | 8180mm | 9459mm |
| Width | 2470mm | 2800mm | 3000mm | 3579mm |
| Height | 3300mm | 3485mm | 34540mm | 3821mm |

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| Engine Model | Cummins QSB6.7 | Cummins QSB6.7 | Cummins QSB6.7 | Cummins QSM11 |
| Type | Line Engine, Water Cool,Dry Type Cylinder jacket, Direct Injection | Line Engine, Water Cool,Dry Type Cylinder jacket, Direct Injection | Line Engine, Water Cool,Dry Type Cylinder jacket, Direct Injection | Line engine, Turbo-charged, Electric control, Air to air aftercooler |
| Displacement | | 6.7L / 408.8IN ³ | 6.7L / 408.9IN ³ | 10.8L / 659IN ³ |
| Peak Torque | | 732N.M | 949N.M | 1674N.M |
| Rated Power | 116KW / 158HP | 119KW / 159.6HP | 164KW / 219.9HP | 250kw / 335.2HP |
| Rated Revolution | 2200R/MIN | 2200R/MIN | 2200R/MIN | 2100R/MIN |

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| Steering System | | Full Hydraulic Steering system with pressure load-sensing | Full Hydraulic Steering system with pressure load-sensing | Full hydraulic amplification hinge joint steering |
| Type | | | | |
| Turning Angle | | 35° each Side | 35° each Side | 38° each Side |
| Min. Turning Radius | 5200MM | Bucket outboard 6600mm / 21'6" Rear Tire outboard 5800mm / 19' | Bucket outboard 7350mm / 24'1" Rear Tire outboard 6700mm / 21'10" | Bucket outboard 7695mm / 25'2" Rear Tire outboard 6882mm / 22'6" |

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| Transmission Torque Converter Type | | Three element, Single Turbine | Three element, Single Turbine | Three element, Single Turbine |
| Transmission Model | ZF 4WG 158, German original | ZF Electric-hydraulic control shift gearbox | ZF 4WG 200, Electric-hydraulic control shift gearbox | ZF 4WG 310, Fixed axis type, Automatic shifting |
| Gears | | Four forward speed and three backward speed | Four forward speed and three backward speed | Four forward speed and three backward speed |
| Hydraulic Working System | | | | |
| Working System Pressure | 19MPA | 21MPA | 17.5MPA | 22.5MPA |
| Lifting Time of Working Device | | <=5.5S | <=6.5S | <=7.1S |
| Action Time of Implement | <=9.6S | <=11.6S | <=12.5S | <=12S |
| Front and Rear Axle | | | | |
| Main transmission Type | | First level spiral gear deceleration | First level spiral gear deceleration | Cone-shaped gear |
| Wheel side Braking Type | | Planetary Reducer | Planetary Reducer | Planetary Reducer |
| Drive Axle Braking Type | Wet type brake | Wet type brake | Wet type brake | Wet disc type brake |
| Tire Specification | 20.5-25-20PR | 20.5-25-16PR | 23.5-25-16PR | 29.5-25-28PR |
| Front Tire Pressure | | 0.3MPA | 0.3MPA | 0.4MPA |
| Rear Tire Pressure | | 0.3MPA | 0.3MPA | 0.38MPA |
| Braking System | | | | |
| Braking | Full hydraulic | Full hydraulic | Full hydraulic | Wet disc type brake |
| Parking Brake | Spring braking oil release | Spring braking oil release | Spring braking oil release | SAHR Caliper type brake |