

# OPTIMISING PERFORMANCE

OPERATOR EFFICIENCY | FUEL ECONOMY | MAINTENANCE



## WHEEL LOADER **XC938**

Product Specifications

OPERATING WEIGHT

**11,400 kg**

RATED POWER

**99 kW / 2200 rpm**

BUCKET CAPACITY

**2.1m<sup>3</sup>**

ENGINE

**Cummins QSB6.7**

# XC938

## Wheel Loader

### DIMENSIONS & SPECIFICATIONS

**BROOKS**  
EQUIPMENTScan to view the XC938  
product brochure

#### MAIN SPECIFICATIONS

##### MODEL

|                    |                    |
|--------------------|--------------------|
| Operating Weight   | 11400 kg           |
| Rated Load         | 3500 kg            |
| Bucket Capacity    | 2.1 m <sup>3</sup> |
| Max. Digging Force | 130 kN             |
| Max. Tipping Load: |                    |
| Steering           | 7000 kg            |
| Straight           | 9200 kg            |

##### ENGINE

|              |                                                                                                            |
|--------------|------------------------------------------------------------------------------------------------------------|
| Type         | Cummins QSB6.7                                                                                             |
|              | 6 cylinder, inline four-stroke turbocharged, air-to-air intercooled, electronically controlled common rail |
| Max. Power   | 99 kW @ 2200 rpm                                                                                           |
| Peak Torque  | 570/1400 Nm @ 1500 rpm                                                                                     |
| Displacement | 6.7 L                                                                                                      |

##### AXLES

|                 |                                                   |
|-----------------|---------------------------------------------------|
| Drive System    | Four-wheel drive                                  |
| Front Axle      | Fixed                                             |
| Rear Axle       | Oscillation angle 12°                             |
| Hub Reduction   | Wheel-side planetary speed reducer                |
| Differential:   | Front Common differential (limited slip optional) |
| Rear            | Common differential                               |
| Reduction Ratio | 20.521                                            |

##### SERVICE REFILL CAPACITIES

|                                   |       |
|-----------------------------------|-------|
| Fuel Tank                         | 300 L |
| Cooling System                    | 45 L  |
| Engine Oil                        | 22 L  |
| Transmission                      | 45 L  |
| Front Axle                        | 55 L  |
| Rear Axle                         | 55 L  |
| Hydraulic Tank                    | 200 L |
| Hydraulic System (Including tank) | 260 L |

##### HYDRAULIC SYSTEM

|                          |                     |
|--------------------------|---------------------|
| Type                     | Quantitative system |
| Pump                     | Gear pump           |
| Control Valve            | 3 multi-way valve   |
| System Pressure          | 17.5                |
| Lift Circuit             | Yes                 |
| Tilt Circuit             | Yes                 |
| Cylinder:                | Lift 2-125 x 810 mm |
|                          | Tilt 1-160 x 530 mm |
| Cycle Time (rated load): | Lift 5 s            |
|                          | Lower 3 s           |
|                          | Tipping 1 s         |
|                          | Total 9 s           |

##### STEERING SYSTEM

|                    |                                     |
|--------------------|-------------------------------------|
| Type               | Flow-amplified, load sensitive      |
| Pump               | Fixed displacement pump             |
| Rated Oil Capacity | 138.6 L/min                         |
| System Pressure    | 160 bar                             |
| Cylinder           | Double acting                       |
| Steering Angle     | 38° both right and left angle       |
| Features           | Centre-point frame articulation     |
|                    | Tilt and telescopic steering column |

##### NOISE

|                                                      |        |
|------------------------------------------------------|--------|
| Exterior sound power level at cooling fan max. speed | 112 dB |
| Operator sound pressure level                        | 79 dB  |
| Exterior sound power level                           | 104 dB |

##### TRANSMISSION

|                      |                                     |
|----------------------|-------------------------------------|
| 4 Speed Transmission | 4WG158                              |
|                      | Semi-automatic electric control box |
| Travel Speed FWD     | 8/13/27/36 km/h                     |
| Travel Speed RVS     | 8/13/27 km/h                        |
| Brake Distance       | Less than 11 m                      |

##### DIMENSIONS & WORKING SCOPE

|                                                  |                      |         |
|--------------------------------------------------|----------------------|---------|
| Height:                                          | Top of exhaust pipe  | 2962 mm |
|                                                  | Top of cab           | 3220 mm |
|                                                  | Top of warning light | 3445 mm |
| Ground Clearance                                 |                      | 370 mm  |
| Wheel Base                                       |                      | 2900 mm |
| Overall Length (Without bucket)                  |                      | 6260 mm |
| Transportation Length (Bucket flat on ground)    |                      | 7650 mm |
| Pivot Height :                                   | Flat bucket          | 380 mm  |
|                                                  | Max. lifting         | 3839 mm |
| Lift Arm Clearance (Max. lifting)                |                      | 3390 mm |
| Dumping Clearance (Max. lifting and 45° dumping) |                      | 2800 mm |
| Dumping Reach (Max. lifting and 45° dumping)     |                      | 1250 mm |
| Dumping Angle (Max. lifting and dumping)         |                      | 40°     |
| Rollback Angle:                                  | Ground               | 40°     |
|                                                  | Carry                | 45°     |
| Tyre Radius:                                     | Outside              | 5270 mm |
|                                                  | Inside               | 3025 mm |
| Overall Width                                    |                      | 2245 mm |
| Wheel Track                                      |                      | 1850 mm |
| Digging Depth                                    |                      | 60 mm   |
| Max. Lift Height                                 |                      | 5130 mm |
| Turning Radius (Outside of bucket)               |                      | 6055 mm |
| Gradeability                                     |                      | 28°     |
| Bucket Width                                     |                      | 2580 mm |
| Steering Angle                                   |                      | 38°     |

