

# OPTIMISING PERFORMANCE

OPERATOR EFFICIENCY | SERVICEABILITY | DURABILITY



MADE FOR AUSTRALIAN CONDITIONS



## WHEEL LOADER **XC978**

Product Specifications

OPERATING WEIGHT  
**24,500 kg**

RATED POWER  
**216 kW / 2100 rpm**

BUCKET CAPACITY  
**4.5m<sup>3</sup>**

BATTERY  
**Cummins QSM11**

# XC978

## WHEEL LOADER

### DIMENSIONS & SPECIFICATIONS



Scan to view the XC978 product brochure

#### MAIN SPECIFICATIONS

##### MODEL

|                             |          |                    |
|-----------------------------|----------|--------------------|
| Operating Weight            |          | 24500 kg           |
| Rated Load                  |          | 7800 kg            |
| Bucket Capacity             |          | 4.5 m <sup>3</sup> |
| Bucket Breakout Force       |          | 215 kN             |
| Tipping Load Full-Steering: | Straight | ≥18220 kg          |
|                             | Full     | ≥15600 kg          |

##### ENGINE

|              |  |
|--------------|--|
| Type         | Cummins QSM11-290/X12  |
|              | Inline 6 cylinder, air-to-air intercooled, electronically controlled common rail |
| Rated Power  | 216 kW @ 2100 rpm  |
| Max. Power   | 239 kW @ 1800 rpm  |
| Peak Torque  | 1478 Nm @ 1400 rpm   |
| Displacement | 10.8 L   |

##### AXLES

|                   |                                      |
|-------------------|--------------------------------------|
| Drive System      | Four-wheel drive                     |
| Front Axle        | Fixed                                |
| Rear Axle         | Oscillation ±12°                     |
| Hub Speed Reducer | Planetary reduction at wheel end     |
| Differential      | Front axle limited slip differential |
| Reduction Ratio   | 23.334                               |

##### REFILL CAPACITIES

|                                   |       |
|-----------------------------------|-------|
| Fuel Tank                         | 400 L |
| Cooling System                    | 62 L  |
| Engine Oil                        | 34 L  |
| Transmission                      | 50 L  |
| Front Axle                        | 48 L  |
| Rear Axle                         | 48 L  |
| Hydraulic Reservoir               | 160 L |
| Hydraulic System (Including tank) | 255 L |

##### HYDRAULIC SYSTEM

|                    |   |
|--------------------|---|
| Type               | Fixed variable hydraulic system               |
| Pump               | Gear pump + variable displacement piston pump |
| Rated Oil Quantity | 160 L   |
| Control Valve      | 3 Multi-way valve                             |
| System Pressure    | 240bar  |
| Lift Circuit       | Yes   |
| Tilt Circuit       | Yes   |
| Hydraulic Oil:     | Lift 2-180 x 840 mm                           |
|                    | Tilt 1-200 x 543 mm                           |
| Cycle Time:        | Dump at Max. Raise 1.2 s                      |
|                    | Total 10.7 s                                  |

##### STEERING SYSTEM

|                    |  |
|--------------------|--|
| Type               | Flow-amplified, load sensitive   |
| Pump               | Variable displacement pump   |
| Rated Oil Quantity | (110 + 110) L/min  |
| System Pressure    | 210 bar  |
| Cylinder           | Double acting  |
| Steering Angle     | 40° both right and left angle  |
| Features           | Centre-point frame articulation<br>Tilt and telescopic steering column |

##### NOISE

|  |        |
|--|--------|
| Exterior sound power level at cooling fan max. speed | 110 dB |
| Operator sound pressure level                        | 74 dB  |
| Exterior sound power level                           | 110 dB |

##### TRANSMISSION

|                      |                                      |
|----------------------|--------------------------------------|
| 4 Speed Transmission | 4WG260                               |
|                      | Fully automatic electric control box |
| Travel Speed FWD     | 7.2/13.3/28/42                       |
| Travel Speed REV     | 7.2/13.3/28                          |
| Brake Distance       | ≤11m                                 |

##### DIMENSIONS & WORKING SCOPE

|   |   |           |
|---|---|-----------|
| A | Height: Top of Exhaust Pipe                         | 3530 mm   |
| B | Top of Cab  | 3620 mm   |
| C | Cab Roof Lug  | 3684 mm   |
| D | Top of Warning Light                                | 3810 mm   |
| E | Ground Clearance                                    | 488 mm    |
| F | Wheel Base  | 3550 mm   |
| G | Overall Length (Without Bucket)                     | 7550 mm   |
| H | Transportation Length (Bucket Flat on Ground)       | 9015 mm   |
| I | Pivot Height : Transport Position                   | 500 mm    |
| J | Max. Lifting  | 4395 mm   |
| K | Lift Arm Clearance (Max. Lifting)                   | 4082 mm   |
| L | Dumping Height (Max. Lifting and 45° Dumping)       | 3510 mm   |
| M | Dumping Reach (Max. Lifting and 45° Dumping)        | 1085 mm   |
| N | Dumping Angle (Max. Lifting and Dumping on Stopper) | 45°       |
| O | Rollback Angle: Ground                              | 43°       |
|   | Carry   | 48°       |
| P | Tyre Radius: Outside                                | 6374.5 mm |
| Q | Inside  | 3379.5 mm |
|   | Centre of Outside Tyre                              | 6037 mm   |
| R | Wheel Track   | 2320 mm   |
| S | Overall Width                                       | 2995 mm   |
| T | Digging Depth                                       | 90 mm     |
| U | Turning Radius (Outside of Bucket)                  | 7220 mm   |
| V | Gradeability  | 27°       |
| W | Bucket Width  | 3230 mm   |
| X | Steering Angle                                      | 40°       |

