OVERVIEW

XC949 is developed by XCMG for North American market integrating advanced design idea. XC949 meets EPA T4F emission standard and its overall design fits human aesthetic; the rear flip engine hood and side flip cab makes its maintenance more convenient. XC949 is comfortable in operation, fuel-efficient, reliable and durable.

PERFORMANCE AND FEATURES

High Reliability

- Cummins QSB6.7 Engine, complying with EPA T4F and providing power of complex working conditions.
- Automatic 4BP 190 torque converter, reduced shifting impact in travelling for various working conditions.
- XCMG high performance wet axle, meeting high loaded working requirements.
- Full hydraulic wet brake system of high reliability and maintenance free.
- Extra heavy load frame structure design, FEA analysis on key structural to ensure strong structure and extended machine life.
- Wear-resistance and impact-resistance high strength steel plate for bucket material.

High Working Efficiency

- Optimized linkage structure and hydraulic system with breakout force up to 120KN.
- JRB is the first choice for Quick Coupler in North America.
- The coupler controls are conveniently located in the Cab.
- Bucket features discharge at high position, auto leveling and lifting limited technologies, reducing working cycle time.
- Travel speed up to 36km/h with high transfer efficiency.
Comfort Operation

- Spacious and ergonomic cab with excellent visibility.
- FOPS/ROPS cab with heat and air conditioning provides good air flow through multiple vents.
- The cab is well seated and insulated to provide a dust proof environment.
- All switches are conveniently placed.
- Digital gauges monitor the machine vital functions.
- Suspension seat with lumbar support reduce operator fatigue.
- Integrated F-N-R pilot control lever of shifting function for precise control, easy operation and high working efficiency.

High Safety Performance

- Complying with standards of ISO 5006 operator vision field.
- Complying with standard of ISO 2867, ISO2860 ladders, passageway, operation platform and exit/ excess.
- Flame retardant material applied in cab interiors, extinguisher equipped.
- Complying with standards of ISO10533, ISO 10570 lifting arm bracket and hinged lock devices.

Easy Maintenance

- Rear tilted side engine hood, easier engine and radiator maintenance and repair.
- Side tilted cab for easier maintenance of transmission and pipe lines.
- Centered electrical fuse box foe effortless check up and high reliability.
- Remote centered lubrication, drainage pressure testing of daily maintenance.

Energy Saving

- Load sense hydraulic system featuring automatic adjusting operation condition, improving fuel efficiency.
- Intelligent independent cooling system, fan rotation on request for energy and noise reduction. Separated cooling layout with improved cooling efficiency and fuel efficiency.
- Full automatic torque converter, two working mode, enabling the operator match the optimum efficiency according to working requirement.
- Pilot control lever integrating F-N-R shifting function minimizing operation motions with higher working efficiency.
- Improved traveling performance and load retention.
## TECHNICAL SPECIFICATIONS

<table>
<thead>
<tr>
<th>Item</th>
<th>Metric</th>
<th>US</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bucket Capacity</td>
<td>2.4m³</td>
<td>3.14yd³</td>
</tr>
<tr>
<td>Operating Weight</td>
<td>16400kg</td>
<td>36155lb</td>
</tr>
</tbody>
</table>

### Engine
- Model: QSB 6.7
- Rated Power: 126kW (173hp)
- Rated Speed: 2100rpm
- Forward I / Reverse I: 7.3km/h (4.54mile/h)
- Forward II / Reverse II: 12.5km/h (7.77mile/h)
- Forward III / Reverse III: 23.5km/h (14.61mile/h)
- Forward IV: 36km/h (22.37mile/h)

### Traveling Speeds
- Max. Climbing Gradient: 28°
- Unloading From Highest Position
  - Dumping Angle: 2770mm (109.1in)
  - Max. Dumping Height: 1140mm (44.98in)
- Max. Breakout Force: 120kN (27000lbf)
- Raising Time: 5s
- Total Cycling Time: ≤10.8s
- Min. Turning Radius
  - Outside of The Bucket: 6400mm (252in)
  - Rear Outer Tire: 5690mm (224in)
  - Center of The Tyre: 5410mm (213in)
- Turning Angle of The Frames: ≤40°
- Tire Size: 20.5
- Inflation Pressure of Tire
  - Front Wheel: 0.38-0.40MPa
  - Rear Wheel: 0.32-0.34MPa

### Service Refilling Capacity
- Fuel (Diesel): 220L (58gal)
- Engine Oil: 20L (5.29gal)
- T/m & T/c Oil: 35L (9.25gal)
- Hydraulic Reservoir: 160L (42.27gal)
- Single Axle: 55L (14.53gal)

*Note: the job content of standard machine is as below: moderate all kinds of lubricants, full fuel oil and the operator with the weight of 75kg.*

## OUTLINE DIMENSIONS

<table>
<thead>
<tr>
<th>Metric</th>
<th>US</th>
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</thead>
<tbody>
<tr>
<td>H1</td>
<td>2495mm (98.23&quot;)</td>
</tr>
<tr>
<td>H2</td>
<td>3400mm (133.88&quot;)</td>
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<tr>
<td>H3</td>
<td>3677mm (144.76&quot;)</td>
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<tr>
<td>H4</td>
<td>365mm (15.15&quot;)</td>
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<tr>
<td>L1</td>
<td>1550mm (61&quot;)</td>
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<tr>
<td>L2</td>
<td>3100mm (122&quot;)</td>
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<tr>
<td>L3</td>
<td>2144mm (84.4&quot;)</td>
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<tr>
<td>L4</td>
<td>7960mm (313.48&quot;)</td>
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<tr>
<td>D1</td>
<td>2065mm (81.10&quot;)</td>
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<tr>
<td>D2</td>
<td>2350mm (92.52&quot;)</td>
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<tr>
<td>D3</td>
<td>2543mm (100&quot;)</td>
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<tr>
<td>D4</td>
<td>2580mm (101.57&quot;)</td>
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<tr>
<td>D5</td>
<td>2560mm (101.57&quot;)</td>
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</tbody>
</table>

## CONFIGURATIONS

### Standard Configurations
- Cummins QSB6.7 T4F engine
- reverse fan of intelligent independent cooling system
- full automatic transmission ZF 4BP190
- XCMG WA1180/2180 wet axle
- tubeless tire 20.5-25
- cab equipped with AC, sound box with USB interface comply with ISO 3449, ISO 3471, ISO 3164 ROPS / FOPS
- 12V socket, extinguisher and alarm lamp
- pilot control lever with the 3rd function and F-N-R shifting general used JRB hydraulic quick coupler devices
- the 3rd function of hydraulic system
- general bucket of 2.4 m³ bolted cutting plate

### Optional Configurations
- Cummins QSB6.7 T3 engine
- 20.5R25 radial tires
- ride control system
- emergency steering system
- automatic centered lube system
- closed rear fender
- machine protection in landfill
- lengthened boom
- various buckets (or customized)
- several attached tools