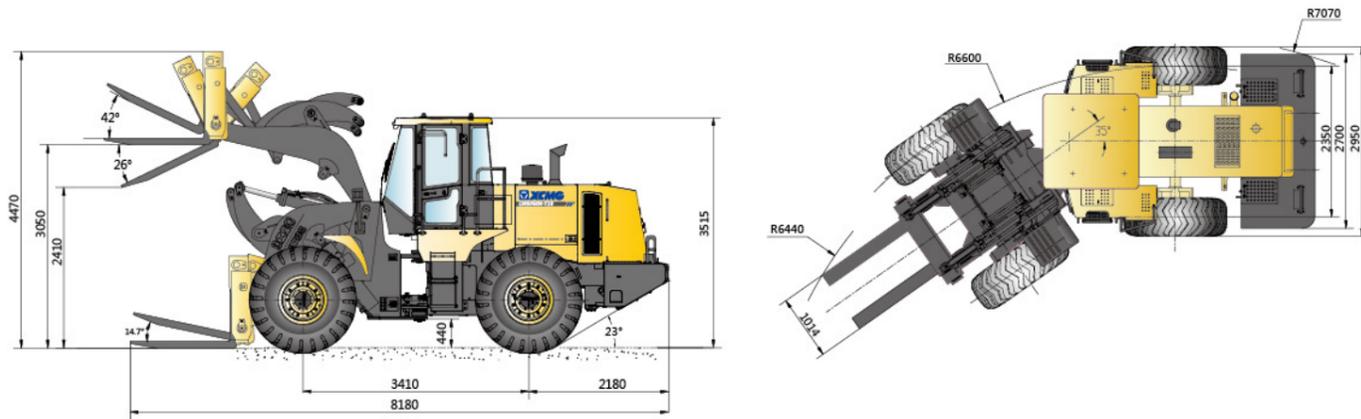


## Outline Dimensions



## Main Specifications & Dimensions

| Parameter   | Specifications              | Unit         |
|---|-----------------------------|--------------|
| Operating weight  | 21000                       | kg           |
| Rated power   | 162                         | kW           |
| Rated lifting capacity (With fork ground clearance at ≤1500mm and steering angle at ≤10°) | 18                          | t            |
| Fork size (L×W)   | 1500x1014                   | mm           |
| Loading capacity at highest position (With steering angle at ≤10°)                        | 14000                       | kg           |
| Gradeability  | Unloaded                    | 15°          |
|   | Full-load                   | 23°          |
| Working device actuation time   | Lifting under rated load    | ≤8.5 s       |
|   | Forward tilting of forks    | ≤1.0 s       |
|   | Lowering under no-load      | ≤6.5 s       |
|   | Total cycle time            | ≤16 s        |
| Tire specification  | Front wheels                | 23.5-25-24PR |
|   | Rear wheels                 | 23.5-25-20PR |
| Overall dimensions (L×W×H)  | 8180x2950x3515              | mm           |
| Maximum machine height  | 4470                        | mm           |
| Dumping height (22.5°)  | 2410                        | mm           |
| Dumping range (22.5°)   | 1900                        | mm           |
| Maximum lifting height  | 3050                        | mm           |
| Material transport height   | 480                         | mm           |
| Turning radius  | Tire center                 | 6600 mm      |
|   | Material transport of forks | 6440 mm      |
| Wheelbase   | 3410                        | mm           |
| Wheel tread   | 2350                        | mm           |

Structure and specification are subject to change without notice. In case there is any difference between the description of the machine and the substantial machine, the substantial machine should govern.

# XCMG | LW500KN-T18

LW500KN-T18 FORKLIFT LOADER



# LW500KN-T18

## FORKLIFT LOADER

### Product Overview

LW500KN-T18 stone forklift loader is a special machine developed by XCMG for the operation demands of mining and transport of diversified stone materials. With design optimization, it's capable of forklifting >18t material (with ground clearance no more than 1,500). The main features are as below:

- ⊗ The Z-shaped link mechanism designed especially for stone operating conditions features high breakout force and loading capacity and the classic double-rocker structure ensures a broad operating view.
- ⊗ The extended wheelbase and wheel tread and ultra-high ballast realize good working stability of the machine.
- ⊗ The China-III engine, high reliability XCMG's electronic control countershaft transmission, and the reinforced dry-type drive axle are matched perfectly to save the fuel and reduce the consumption.
- ⊗ The higher dumping height and dumping distance, extensive rotation angle scope of forks, and adjustable fork spacing are suitable to diversified operation needs, including the forklifting and overturning of stones.
- ⊗ The 23.5-25-24PR and the 23.5-25-20PR engineering tires are suitable to diversified severe road conditions, featuring powerful off-road performance. The optional tire chains are at your choice.
- ⊗ The high ground clearance, small turning radius, and high departure angle of the chassis can adapt to various complicated operation conditions.

### Performance Features

#### Outstanding performance with dedicated design for stone forklifting condition

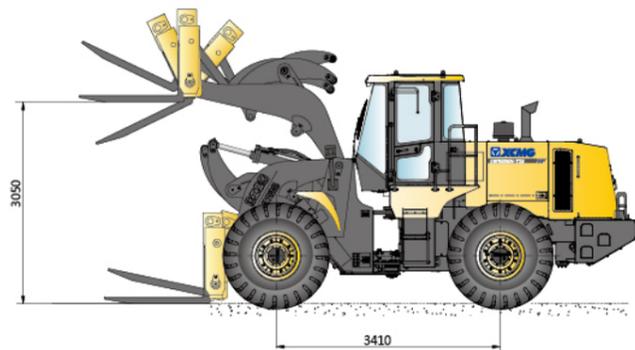
- The design optimization of working device link mechanism realizes >18T lifting capacity (with lifting height at <1.5m), featuring high breakout force and strong working condition adaptability.
- The 3,410mm extended wheelbase, the 2,350mm extended wheel tread, and the 21T machine weight realize the industry's leading operating stability.
- Up to 3,050mm lifting height and up to 14T high-position lifting capacity manifest the outstanding working performance.

#### High reliability guarantees long life

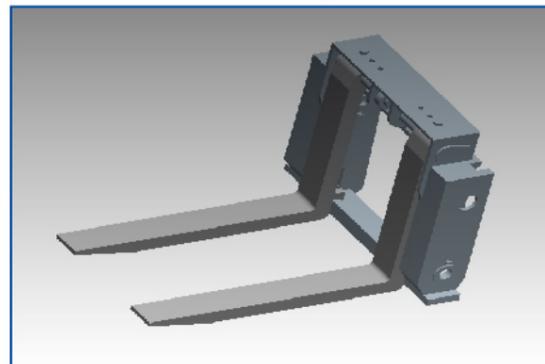
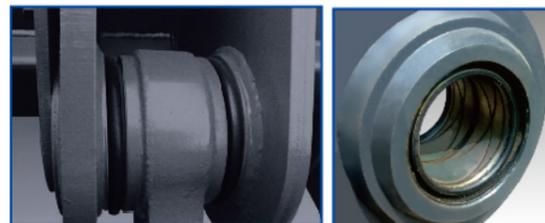
- The super-strong heavy-duty design, the steel beam structure for front and rear frames, the thick sheet materials, and the robot welding process realize high safety coefficient and powerful overload capacity.
- The finite element force analysis is applied for the critical structural parts to ensure that such parts can meet diversified heavy-load conditions.



- The hydraulic pipelines adopt double sealing means (DIN standard 24° taper thread + O-ring) to solve the industry's common leakage problem. The easily wearing oil pipes are attached with protective sleeves to prolong their lives.

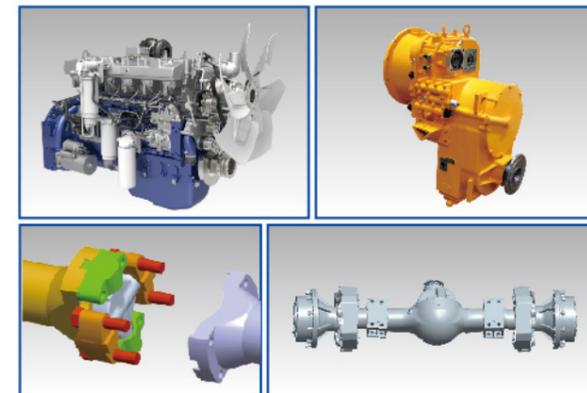


- The double-stage dustproof measure is applied for critical hinged joints to ensure low wear and long life.
- The special alloy fork teeth realize better wear resistance.



### Reasonable power matching and reliable drive

- The China-III engine applied features strong power and high torque reserve and the multiple working modes are available to adapt to diversified operating conditions.
- The XCMG's energy-conservation heavy-duty transmission applied features steady gearshifts, high reliability, and strong heavy-duty adaptability.
- The special keyed drive shaft for construction machinery is applied and the DIN and SAE drive shaft flanges are connected and fastened by lock nuts to achieve higher drive reliability.
- Featuring high reliability and carrying capacity, the XCMG's self-made drive axle is applied to meet the stone forklifting conditions.



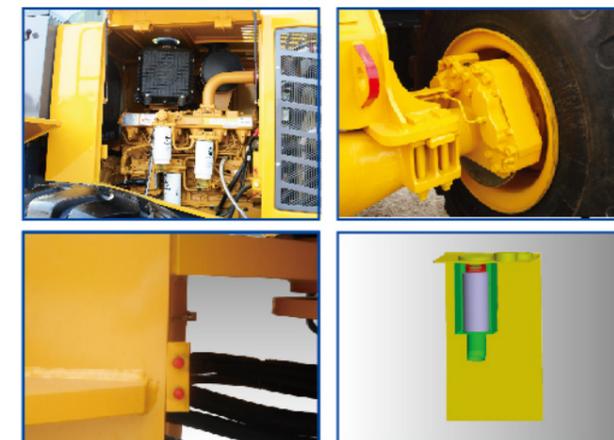
### Easy control and high driving comfort

- With luxury upholstery equivalent to the car level, the cab features large space and broad visual field.
- The injection molded dashboard features high elegance and comfortable operations, with longitudinally adjustable angles.
- The single-joystick pilot control hydraulic system applied features accurate control and low operating force.
- The heating and air conditioning system and the front and rear wipers and washers are equipped as standard equipment.



### Convenient repair and maintenance

- The engine hood adopts large upturning gate with large opening angle to ease the checking and maintenances.
- The air reservoir of the brake system is moved to the outer side of the frame to ease the daily maintenances.
- The air reservoir of the brake system is moved to the outer side of the frame to ease the daily maintenances.
- The central oil filling system saves the oil filling works of the maintenance personnel and improves the oil filling efficiency.



Only the manufacturing excellence can create excellent quality.

The world's largest XCMG high-tonnage loader intelligent manufacturing base

