

ZAT1500



ZOOMLION

Product Highlights

1 The longest main boom in the industry

- The longest main boom among models of the same class in the industry, boasting a length of 72 meters when fully extended and internationally advanced patented boom predeformation technology.
- High strength boom plate: strength level up to 960MPa.
- Fully automatic telescoping control of main boom and one-key telescoping operation to avoid man-made incorrect operation.

2 High power and trafficability

- The most advanced 5-axle chassis in the industry, making the complete machine boast extremely high flexibility.
- Mature and reliable power system from domestic well-known brand, offering high power.

3 Advanced technologies

- Excellent inching performance and simultaneous operation, realizing advanced operation control.
- All-round safety protection strategy pattern, effectively ensuring operation safety.
- Engines for superstructure and chassis from the same brand (Weichai), interchangeable parts and easy maintenance.
- Electrohydraulic servo control all-wheel steering technology, featuring flexible steering, multiple steering modes and minimum tyre wearing.
- Disc brake technology, boasting strong braking force and a service life that is 3 to 5 times that of drum brake.

Technical Specification

| Item | | Value | Remarks | |
|------------------|--|--------|--|---|
| Work performance | Max. rated lifting capacity | kg | 150000 | At 3 m radius |
| | Max. load moment of basic boom | kN.m | 4704 | At 6 m radius |
| | Max. load moment of main boom (fully extended) | kN.m | 1505 | At 32 m radius |
| | Max. lifting height of basic boom | m | 13.0 | |
| | Max. lifting height of main boom | m | 72 | The parameters do not include deflection of main boom and jib. The value in the brackets is the value with the extension installed. |
| | Max. lifting height of jib | m | 87 / (95) | |
| Work speeds | Max. hoist rope speed (Main winch) | m/min. | 114 | At the 4 th layer |
| | Max. hoist rope speed (Auxiliary winch) | m/min. | 74 | At the 3 rd layer |
| | Boom derricking up time | s | 94 | |
| | Boom extending time | s | 860 | |
| | Max. slewing speed | r/min. | 1.4 | |
| Driving | Max. height above sea level | m | 2000 | |
| | Max. driving speed | km/h | 75 | |
| | Max. gradeability | % | 40 | |
| | Min. turning diameter | m | ≤ 20 | |
| | Min. ground clearance | mm | 305 | |
| | Limits for exhaust pollutants and smoke | | Conform to related standards | GB3847-2005 GB17691-2005 (National Stage IV) |
| | Fuel consumption per hundred kilometers | L | 76 | Uniform speed with 50 km/h |
| Mass | Deadweight in driving condition | kg | 60000 | |
| | Complete vehicle kerb mass | kg | 59805 | |
| | Load on axles 1, 2 and 3 | kg | 12000 | |
| | Load on axles 4 and 5 | kg | 12000 | |
| Dimensions | Overall dimensions (L × W × H) | mm | 15390 × 3000 × 4000 | |
| | Outrigger spread (L) | m | 8.43 | |
| Dimensions | Outrigger spread (W) | m | 7.8 (fully extended), 5.3 (intermediately extended) | |
| | Main boom length | m | 13.5 – 72 | |
| | Boom angle | ° | -0.5 – 82 | |
| | Jib length | m | 11, 18.6 | |
| | Jib + extension length | m | 26.6 | |
| | Offset | ° | 0, 30 | |

