

# SITON

## WJ-6

Underground Loader



# WJ-6 Underground Loader

WJ-6 underground loader is designed for non-coal mine to load and transport the loose material after explosion. It requires the working environment with good ventilation, hard and flat floor, and without explosive medium or gravels around. The loading capacity is 14 Tons.

## Overall stability and reasonable design

Design for bucket edge and tooth can effectively improve production efficiency and bucket wear resistance and extend service life.

## Improvements in wheelbase and turning radius.

The shorter wheelbase and larger turning angle can better meet the requirements of passing through different tunnels.

## Easy to maintain

WJ- 6 is equipped with an independent cab, which is easy to disassemble and replace.

## Operational comfort

the larger interior space of the cab improves the comfort of the driver.



Note: This picture is for reference only. Different or optional configuration will make it looks different.

## Main parameter

|                               |                   |
|-------------------------------|-------------------|
| Dimensions (mm) .....         | 10655x2800x2526mm |
| Rated loading capacity.....   | 14000 kg          |
| Maximum shovel force.....     | 230 KN            |
| Maximum traction.....         | 305 KN            |
| Standard bucket capacity..... | 6 m <sup>3</sup>  |
| Deadweight.....               | 38 T              |

## Speed

|               |          |
|---------------|----------|
| Gear I .....  | 4.7km/h  |
| Gear II ..... | 8.4km/h  |
| Gear III..... | 14.8km/h |
| Gear IV.....  | 22km/h   |

## Power system

|                           |                                                                                     |
|---------------------------|-------------------------------------------------------------------------------------|
| Diesel engine .....       | Volvo TAD1351 VE                                                                    |
| Rated power .....         | 285 kW @ 1900 rpm                                                                   |
| Rated torque .....        | 1965 Nm @ 1200rpm                                                                   |
| Number of cylinders ..... | 6 cylinders line                                                                    |
| Displacement .....        | 12.78 L                                                                             |
| Cooling system .....      | Water-cooler, independent hydraulic motor drive                                     |
| Fuel system .....         | Integrated hand pump, remote fuel filter                                            |
| Air intake system .....   | Low level turbocharger, dry air filtration, pre-filtration and two stage filtration |
| Control system .....      | Electronic fuel injection system                                                    |
| Starting system .....     | 24V / 7kW starting motor, intake air preheating                                     |
| Emission standards .....  | Euro III                                                                            |
| Exhaust system .....      | DOC+POC+ silencer                                                                   |
| Fuel tank volume .....    | 420L                                                                                |

## Chassis

|                        |              |
|------------------------|--------------|
| Torque converter ..... | Dana C8602   |
| Transmission .....     | Dana 6422    |
| Axle .....             | Kessler D106 |
| Tires .....            | 26.5R25      |

## Hydraulic system

|                                             |                                                                                       |
|---------------------------------------------|---------------------------------------------------------------------------------------|
| Hydraulic oil radiator .....                | Maximum heat dissipation can meet an ambient temperature of $\leq 50^{\circ}\text{C}$ |
| Joint standard .....                        | JIC standard                                                                          |
| Hose standard .....                         | GB3683                                                                                |
| Hydraulic oil tank volume for working ..... | 240L                                                                                  |

## Electrical System

|                                |                                                                                           |
|--------------------------------|-------------------------------------------------------------------------------------------|
| Generator .....                | 24 V, 150 A                                                                               |
| Battery .....                  | 2 × 12 V, 165 Ah                                                                          |
| Starter .....                  | 24V / 7KW                                                                                 |
| Lighting and work lights ..... | 10 pcs                                                                                    |
| Sensors .....                  | Fuel & hydraulic oil level sensors, working, steering and braking system pressure sensors |
| Alarm .....                    | Low oil level alarm/Oil pressure alarm, rotating alarm light                              |
| Control system .....           | Controlled by controller, built-in diagnostic and alarm system                            |
| Dual horn .....                | Standard                                                                                  |
| Buzzer .....                   | Standard                                                                                  |

**Hydraulic system for steering**

---

- Fully hydraulic central articulated steering
- Electro-hydraulic control
- Steering main valve ..... Mid-position open-core type
- Steering hydraulic cylinder ..... 2 pcs
- Steering pump..... Plunger variable displacement pump

**Hydraulic system for working**

---

- Working mechanism form ..... Reverse six- bar linkage
- Lifting cylinder ..... 2 pcs
- Tilt cylinder ..... 1 pc
- Working main valve ..... Mid-position open-core type
- Working pump..... Plunger variable displacement pump

**Hydraulic system for braking**

---

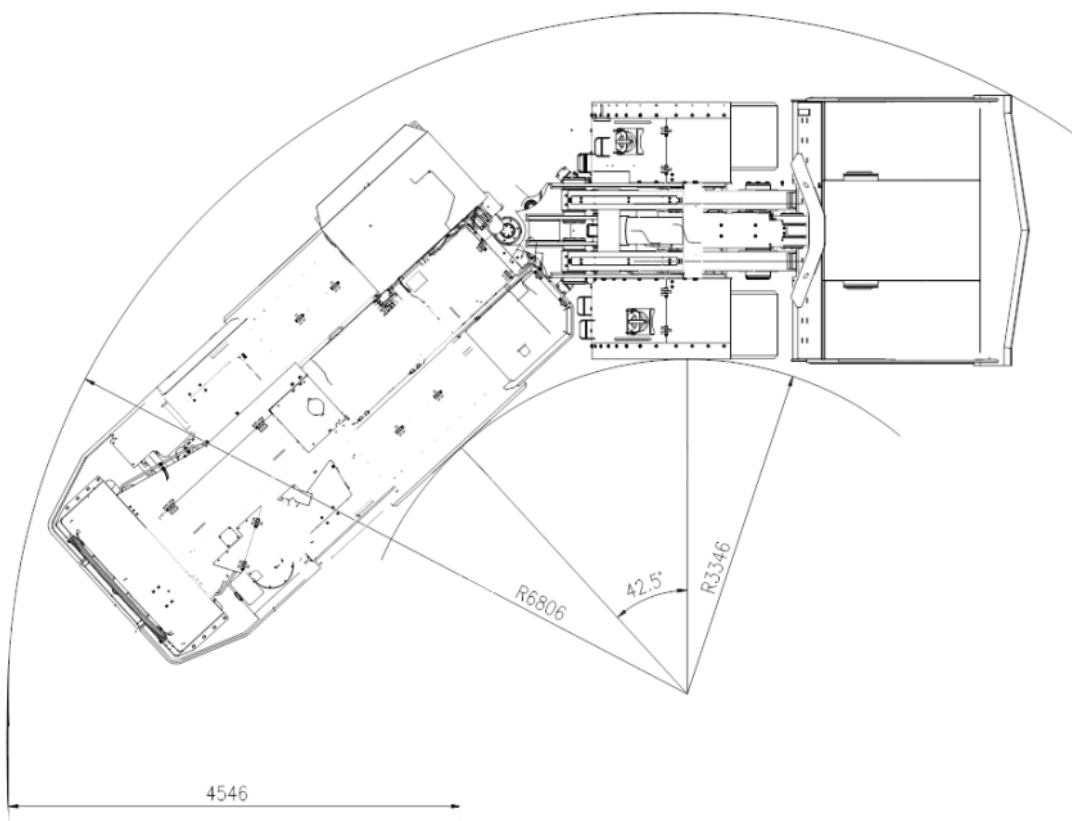
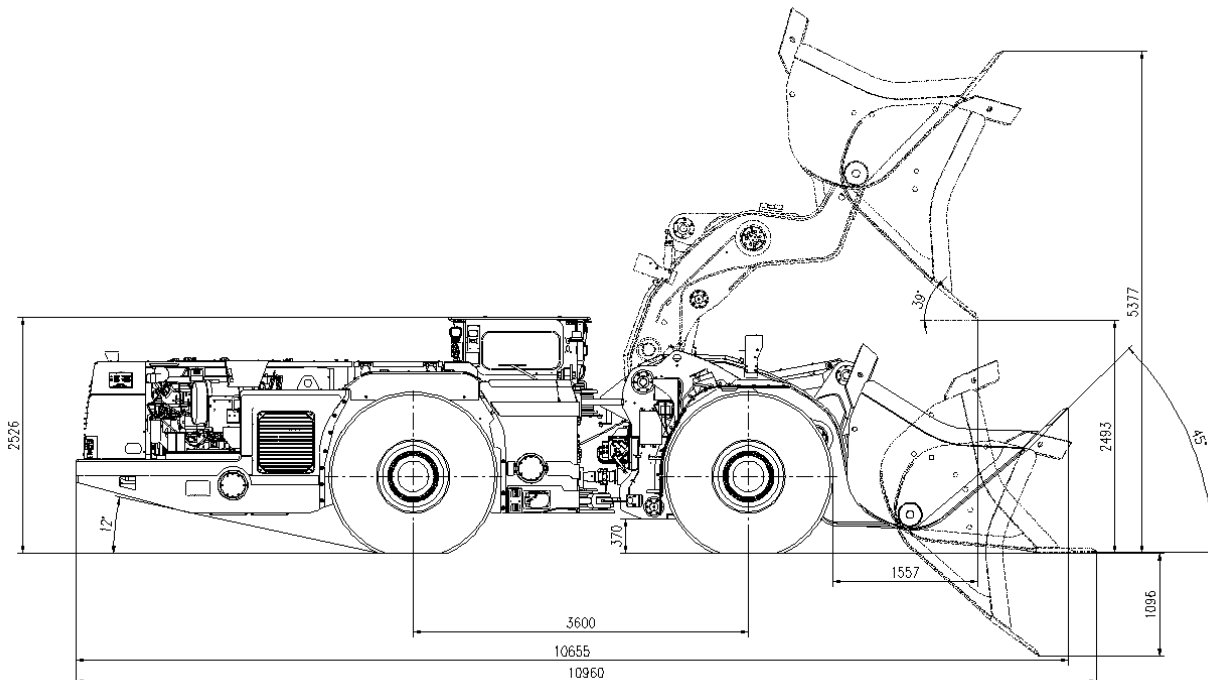
- Spring brake, fully enclosed multi-disc wet brake
- Integrate service braking, parking braking and emergency braking
- Hydraulic oil tank for braking and working are independent of each other

**Cab**

---

- Enclosed cab with air conditioner
- Murphy 7-inch color display

Note: This data sheet is for reference only. Due to different or optional configuration, Siton reserves the right to make changes to the information without prior notification to users.





**JIANGXI SITON MACHINERY MANUFACTURING CO., LTD.**

Address: North of High-Tech Development Zone, Pingxiang, Jiangxi, P. R. China

Tel: +86 799 3671932

Fax: +86 799 3671922

E-mail: [export@sitoncn.com](mailto:export@sitoncn.com)

Website: [www.sitonchina.com](http://www.sitonchina.com)/[www.globalsiton.com](http://www.globalsiton.com)



Siton Machinery