

## WJD-6 ELECTRIC UG PRODUCTION LOADER

The KAMACH brand WJD-6 electric underground production loader equipped with DANA transmission, DANA or Kessler+Co drive axles, Hardox wear-resistance cut blade, etc. It is 100% zero emission.



### ➤ **Main Specifications:**

Maximum tramming volume (SAE): 6 m<sup>3</sup>  
Maximum tramming capacity : 14,000 kg  
Maximum traction force: 350 KN

### ➤ **Speed forward and reverse (level/loaded)**

1<sup>st</sup> gear: 5.8 km/h  
2<sup>nd</sup> gear: 9.7 km/h  
3<sup>rd</sup> gear: 15.1 km/h  
4<sup>th</sup> gear: 20.5 km/h

### ➤ **Turning Radius:**

Inner : 3300 mm  
External: 6900 mm  
Maximum off load height (Bucket dumping): 2400 mm  
Off load angle: 40°  
Ground clearance: 380 mm

### ➤ **Bucket motion times: 18 sec**

### ➤ **Maximum grade ability (Full load): 25%**

### ➤ **Machine weight (empty) : 39.5 Metric Ton**

### ➤ **Dimensions (transport) : 11 000 mm\*2 820mm\*2 600mm**

## MAIN COMPONENTS:

### ➤ **Power train:**

Working voltage: 1000V AC/50 Hz  
Rated Power: 178 kw/1500 rpm  
Total mining cable length: 260m  
Efficient cable length: 240m

### ➤ **Transmission:**

Transmission: DANA Spicer 6000 Series power shift transmission;  
Converter: DANA Spicer CL8000 with steering;

### ➤ **Drive axles:**

Front axle: Limited slip differential DANA 53R or Kessler+Co D106 according to availability  
Rear axle: Limited slip differential DANA 53R or Kessler+Co D106 according to availability  
Rear axle oscillating angle:  $\pm 8^\circ$

### ➤ **Tires:**

Size: 26.50-25 TL smooth cut-resistance  
Inflation pressure: 5.58 bar

### ➤ **Brake system**

Service/Parking brake: wet multi-disc sealed POSI-STOP brake on four wheels.

### ➤ **Service hydraulic system**

Type: Pilot valve control multiple directional valve  
Gear pump: Parker or other imported brands

Other main hydraulic components using imported brands like Mico, Permco, Sauer Danfoss, Parker, etc.

### ➤ **Electric system**

Mining safety electric cabinet with high current, low voltage, leakage and cut protection.  
PLC system make the operation reliable and easy to target failures.

### ➤ **Liquid volume**

Transmission oil: 32 Liter 6#, 8# hydraulic power oil  
Hydraulic oil tank: 540 Liter 46# or 68# wear resistance hydraulic oil  
Drive axle: Main shell 36 Liter for each;  
Wheel size reducer 6.5 Liter on each side  
Lubrication oil: GL-4 85W/90 heavy duty gear oil

➤ **Cabin:** FOPs& ROPs standard

Open cabin for standard delivery

Options: Sealed cabin with air-conditioner and suspension seats

➤ **Other options:**

1. Automatic fire suppression system for electric motor compartment;
2. Lincoln automatic lubrication system
3. Self-weighing system
4. ABB electric motor;

➤ **External dimensions:**

