

WJD-4 ELECTRIC UG PRODUCTION LOADER

The KAMACH brand WJD-4 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): 4~5 m³
Maximum tramming capacity : 10,000 kg
Maximum shovel force: 180 KN
Maximum traction force: 220 KN

➤ Speed forward and reverse (level/loaded)

1st gear: 3.1km/h
2nd gear: 6.6 km/h
3rd gear: 11.5km/h

➤ Turning Radius:

Inner : 3170 mm
External: 6617 mm
Maximum off load height (Bucket dumping): 2010mm
Off load distance: 957 mm
Off load angle: 40°
Ground clearance: 380 mm

➤ Bucket motion times

Hoist: 8.2 sec
Descend: 6.2 sec
Dump: 5.0 sec

➤ Maximum grade ability (Full load): 25%

- **Machine weight (empty)** : 25.5 Metric Ton
- **Dimensions (transport)** : 9684mm*2600mm*2450mm

MAIN COMPONENTS:

➤ **Powe train:**

Working voltage: 1000V AC/50 Hz

Rated Power: 132kw/1487rpm

Total mining cable length: 260m

Efficient cable length: 240m

➤ **Transmission:**

Transmission: DANA Spicer R36000 Series power shift transmission;

Converter: DANA Spicer C5000 with steering;

➤ **Drive axles:**

Front axle: Limited slip differential DANA 20D or Kessler+Co D102 according to availability

Rear axle: Limited slip differential DANA 20D or Kessler+Co D102 according to availability

Rear axle oscillating angle: $\pm 8^\circ$

➤ **Tires:** 18.00-25 L5S TT cut-resistance

➤ **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: 31.5 Liter 6#, 8# hydraulic power oil

Hydraulic oil tank: 390 Liter 46# or 68# wear resistance hydraulic oil

Drive axle: Main shell 36~45 Liter for each axle;

Wheel size reducer 4.7 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:**

