

WJD-3 ELECTRIC DRIVE UG PRODUCTION LOADER



Main features: Central articulated chassis with box type boom, with rear set cabin, and FOPs & ROPs standard Roof. Hardox front and side blade bucket.

➤ **Main Specifications:**

Maximum tramming volume: 3 m³
Maximum tramming capacity : 6500 kg
Maximum traction force: 180 KN
Maximum shovel force: 120 KN

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

1st gear: 0~5±0.5 km/hour
2nd gear: 0~9.5±1 km/hour
3rd gear: 0~15±1.5 km/hour
4th gear: 0~22±2 km/hour

➤ **Turning Radius:**

Inner : 3300mm
External: 6100 mm

Maximum off load height (Bucket dumping): 2851mm

Off load distance: 1650±150mm

Off load angle: 40°

Ground clearance: 330 mm

➤ **Bucket motion times**

Hoist: 6 sec

Descent: 4.5 sec

Dumping: 4 sec.

- **Maximum grade ability (Full load):** 14°
- **Machine weight (empty) :** 17.5 Metric Ton
- **Dimensions (transport) :** 9150mm*2150mm*1726mm/2350mm

MAIN COMPONENTS:

➤ **Powe train:**

Electric motor: Y280M-4
Working voltage: 1000V AC/50 Hz
Rated Power: 110KW
Rated ratio: 1480 r/min

➤ **Transmission:**

Transmission: DANA R32000 Series 4 speed transmission
Torque converter: DANA C273 converter
Drive axle: DANA 16D spring brake hydraulic release with forced cooling;Wet multi-discs
Tires: 17.5-25-20 smooth surface cut-resistance mining tires
Inflation pressure: 575 kPa
Rim size: 14.00

➤ **Brake system**

Service brake: spring brake hydraulic release (SAHR)
Parking brake: spring brake hydraulic release (SAHR)

➤ **Steering system**

Type: Pilot valve control multiple directional valve.
Model: BYZ₁-320
Steering cylinder: 2
Steering angle: 40° R/L

➤ **Service hydraulic system**

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

➤ **Cable reel:**

Type: Automatic electric motor controlling cable reel;
Cable length: 90m

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: 50 Liter 6#, 8# hydraulic power oil

Hydraulic oil tank: 330 Liter 46# or 68# wear resistance hydraulic oil

Drive axle: Main shell 29.8 Liter for each axle;

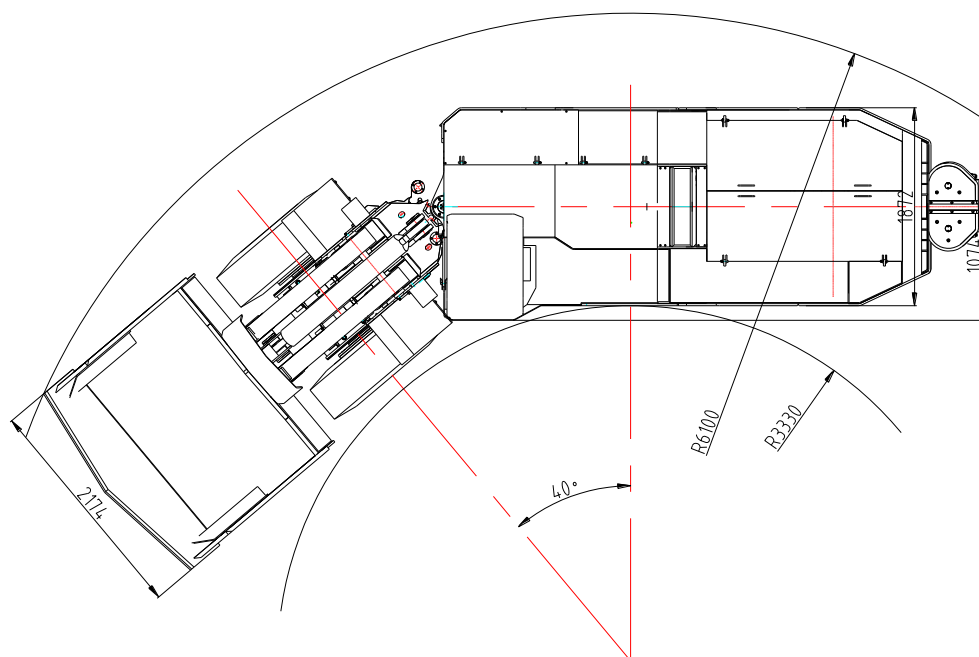
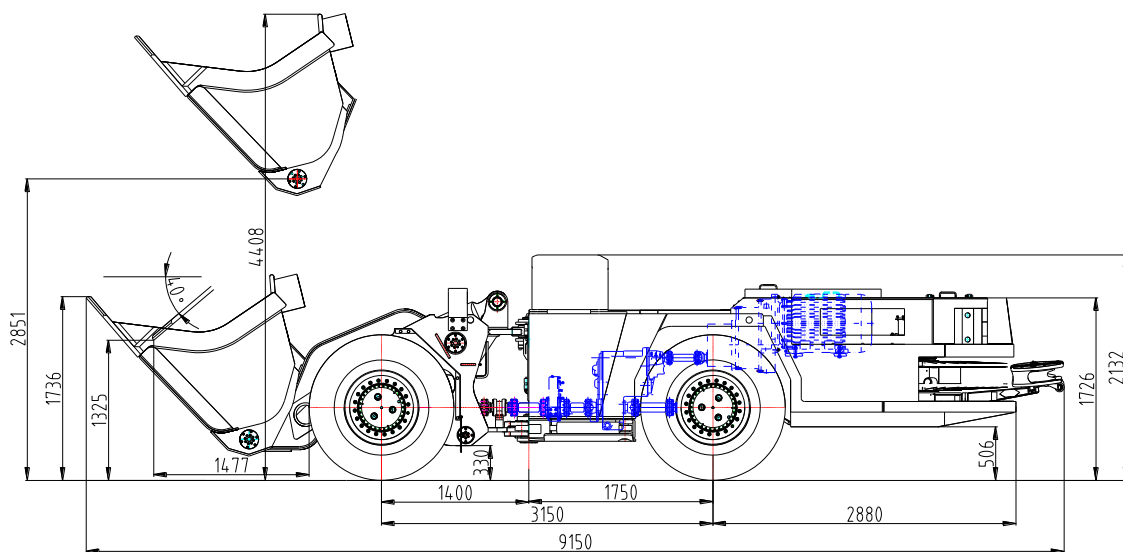
Wheel size reducer 4.7 Liter on each side

Lubrication oil: GL-4 85W/90 heavy duty gear oil

Tools and components with delivery

Parts with delivery free of charge

| S/N | Name of parts | Qty | S/N | Name of parts | Qty |
|-----|--------------------------------------|-----|-----|------------------------|-----|
| 1 | Fuel filter element | 1 | 16 | O-ring seal M45X2 | 5 |
| 2 | Hydraulic oil suction Filter element | 1 | 17 | Gasket 10 | 5 |
| 3 | Hydraulic oil filter element | 1 | 18 | Gasket 12 | 5 |
| 4 | Pull pin | 2 | 19 | Gasket 14 | 5 |
| 5 | Seal gasket B100X130X12 | 2 | 20 | Gasket 16 | 5 |
| 6 | Insulation box | 1 | 21 | Gasket 18 | 5 |
| 7 | Travelling filter element | 1 | 22 | Gasket 20 | 5 |
| 8 | Oil cup M10X1 | 5 | 23 | Gasket 22 | 5 |
| 9 | Oil seal PD140X170X16 | 1 | 24 | Gasket 24 | 5 |
| 10 | O-ring seal M16X1.5 | 5 | 25 | Gasket 27 | 5 |
| 11 | O-ring seal M18X1.5 | 5 | 26 | Gasket 30 | 5 |
| 12 | O-ring seal M20X1.5 | 5 | 27 | Gasket 33 | 5 |
| 13 | O-ring seal M22X1.5 | 5 | 28 | Gasket 36 | 5 |
| 14 | O-ring seal M30X2 | 5 | 29 | Operator's manual | 1 |
| 15 | O-ring seal M36X2 | 5 | 30 | Product QC certificate | 1 |



Tools with delivery

| S/N | Name of tools | Qty |
|-----|-----------------------------------|-----|
| 1 | Grease gun | 1 |
| 2 | Lubrication oil tun | 1 |
| 3 | straight tip shaft circlip pliers | 1 |
| 4 | straight tip hole circlip pliers | 1 |
| 5 | socket plier S=50 | 1 |
| 6 | tire plier S=36 | 1 |
| 7 | S=9/16 double end wrench | 1 |
| 8 | double end wrench S=3/4 | 1 |
| 9 | double end wrench S=12/14 | 1 |
| 10 | double end wrench S=17/19 | 1 |
| 11 | double end wrench S=22/24 | 1 |
| 12 | double end wrench S=27/30 | 1 |
| 13 | double end wrench S=32/36 | 1 |
| 14 | double end wrench S=41/46 | 1 |
| 15 | Inner Hex wrench S=4 | 1 |
| 16 | Inner Hex wrench S=5 | 1 |
| 17 | Inner Hex wrench S=6 | 1 |
| 18 | Inner Hex wrench S=8 | 1 |
| 19 | Inner Hex wrench S=10 | 1 |
| 20 | Inner Hex wrench S=12 | 1 |
| 21 | Inner Hex wrench S=14 | 1 |
| 22 | Pressure gauge 0~10MPa | 1 |
| 23 | Pressure gauge 0~25MPa | 1 |
| 24 | PTB-H3/P1-25-500 | 1 |
| 25 | Key | 2 |
| 26 | CQJ-25 air charger | 1 |
| 27 | Pressure gauge connector | 1 |