

WJ-1 SCOOPTRAM



1. Main features

- 1.1. ROPS/FOPS standard cab, in line with ergonomic design;
- 1.2. Optimized streamlined design, better reversing vision;
- 1.3. Alarm systems for electrical appliances, oil temperature, and oil pressure are complete, which is more conducive to equipment operation monitoring.

2. Technical parameters

Main Features of WJ-1 ScoopTram	
Bucket Volume (SAE heap)	1 m ³
Rated loading	2000 kg
Operation weight	7000±250kg
Engine power	58kW
Max. traction	45kN
Max. breakout force	50kN

Travelling speed	
Speed	0~10km/h

Time of working cycle	
Lifting (not more than)	4.5 sec
Descending (not more than)	2.7 sec
Dumping (not more than)	3 sec

Liquid fill-in	
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Hydraulic oil tank	100L+100L
Fuel tank	95L

Sizes	
External Dimension	6200 X 1360 X 2090mm
Max. lifting height	3450mm
Max. unloading height	1200mm
Min. unloading distance	900mm
Wheelbase	2190mm
Front wheelbase	1010mm
Min. ground clearance	210mm
Unloading angle	40°
Oscillation angle	±8°
Departure angle	15°
Gradeability	25%
Turning angle	±38°
Turning radius	2500mm / 4350mm

3. Main configuration

PowerTrain	
Brand	Deutz
Model	D914L04
Rated power	58kW@2300rpm
Max. torque	273NM@1500rpm
Cooling method	Air cooling engine
Emission standard	EURO III emission

Exhaust purifier MFM	
POC+DOC	
Catalytic with muffler	

Hydrastatic pump	
Brand	Danfoss
Model	T90R075
Displacement	75cc

Variable motor	
Brand	Danfoss
Model	MV23
Displacement	89cc

Transfer case	
Brand	KAMACH
Model	WJD1-08
The transfer case is equipped with a parking brake, Spring brake, hydraulic release, safe and reliable	

Drive axle	
Brand	KAMACH
Model	PC15

Features	Rigid high torque drive axle
Speed ratio	19.2

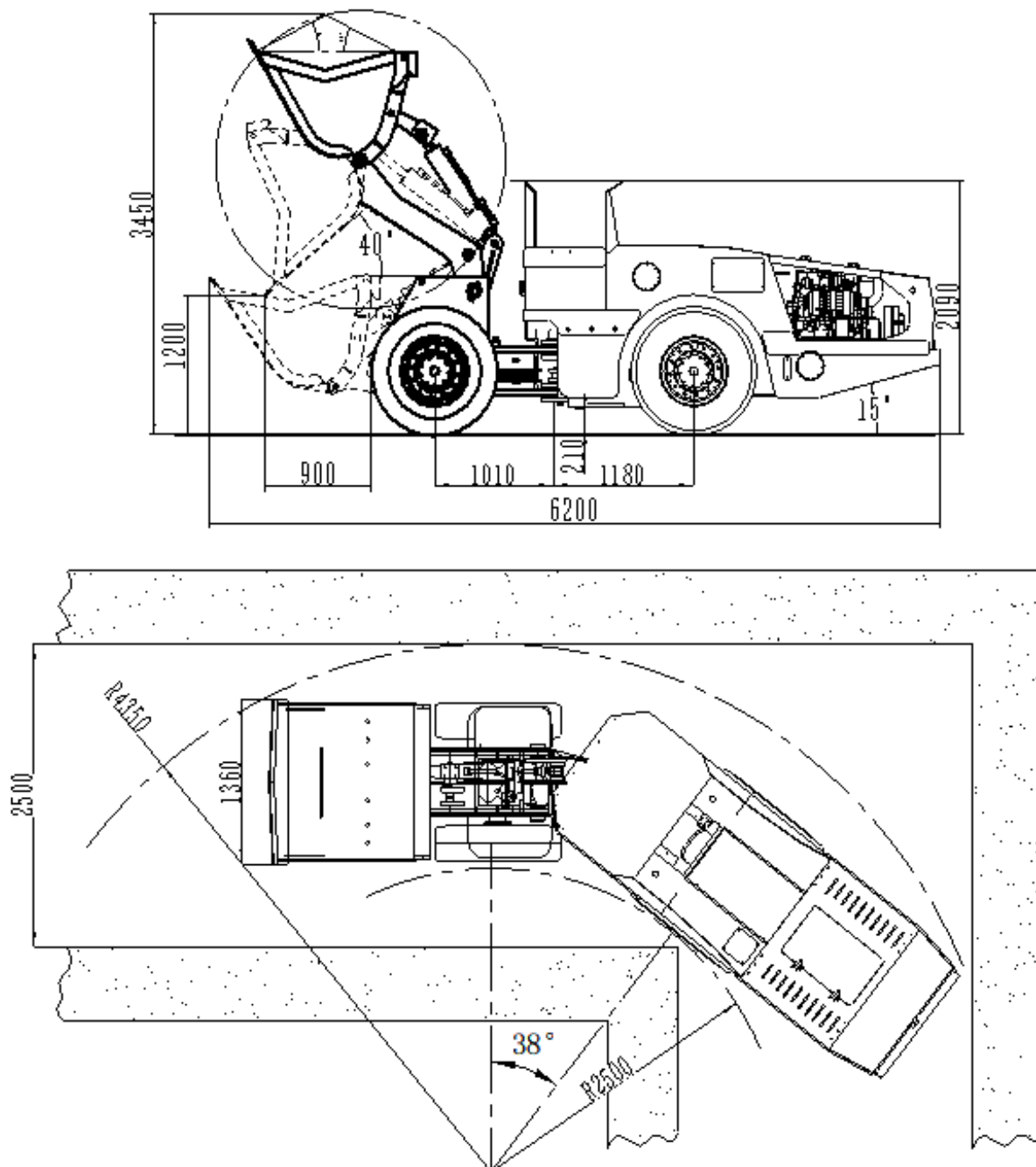
Tires	
Size	10.00-20 PR16 L-4S TT
Features	Cut-resistant smooth surface mining tires

Hydraulic system (working+steering)	
Type	Open circuit
Hydraulic pump	Hefei Wanye CBY series
Multi-way valve	Changjiang hydraulic ZL20E series
Steering device	Zhenjiang Hydraulic BZZ1 series
Pilot valve	WALVOIL SVM400 series
System pressure	14 Mpa

Hydraulic system (Braking system)	
Type	Open circuit
Driving brake	Hydrostatic neutral brake
Parking brake	Spring brake and hydraulic release
Solenoid reversing valve	Huade Hydraulic
System pressure	14MPa

Electric system	
Alternator	28V 35A
Starter	24V 4.0kW
Battery	2× 12V 80Ah

4. Dimension



1. Photo



2. Main options:

