

WJ-3 Underground LHD



1.WJ-3 Underground LHD Technical Parameters

No.	Technical Items	Technical Data	Remarks
1	Equipment model	WJ-3	
1.1	Drive type	4 ×4	
1.2	Load capacity (t)	7	
1.3	Self-weight (t)	19	3% up and down deviation
1.4	Total weight (t)	26	
1.5	Maximum climb (°)	15	
1.6	Maximum speed (km/h)	21	
1.7	Dimensions: Overall length(mm)	9200	Outer dimensions are slightly different for different bucket options.
	Dimensions: Overall width(mm)	2260	
	Dimensions: Overall height (mm)	2255	
1.8	Wheelbase (mm)	3160	
	Front Wheelbase (mm)	1400	
1.9	Minimum Ground Clearance (mm)	287	
2	Axle load distribution		
2.1	No-load: before (%)	43 percent	
	No-load: after (%)	57 percent	
2.2	Heavy load: before (%)	75 percent	
	Heavy load: after (%)	25 per cent	
3	Engine		
3.1	Engine Type	TAD850VE	Tier 3
3.2	Engine type	4-stroke,turbocharged /intercooled	
3.3	Total engine power	160kW/2200rpm	
3.4	Engine displacement	7.7L (984in3)	
3.5	Exhaust emission standard	Off-road Stage III (National Standard)	
3.6	Maximum torque	1060N.m /1350 rpm	
3.7	Fuel tank capacity (L)	260	
4	Transmission		

4.1	Transmission Model	Dana 32000	
5	Drive Axle		
5.1	Drive Axle Type	Heavy duty, fully floating half shafts	
5.2	Main Reducer	Spiral bevel gear construction	
5.3	Wheel-rim reducer	Planetary wheel type	
6	Tyre		
6.1	Tyre size	17.5-R25	
7	Brake System		
7.1	Type	All-disc wet brake (integrated in the axle)	
7.2	Parking brake	Hydraulically released, spring-applied brake	
8	Steering System		
8.1	Steering System Type	Fully hydraulic steering	
8.2	Minimum turning radius (m)	3± 0.2 (Inside) 6± 0.2 (Outside)	
9	Working system		
9.1	Lifting time (s)	< 6.5	
9.2	Lowering time (s)	< 3.9	
9.3	Unloading time(s)	< 2.7	
10	Bucket		
10.1	Bucket Type	Standard (plate)/with additional teeth	
10.2	Bucket capacity (m ³)	3/3.5 (Stacking)	2% up/down deviation
10.3	Bucket Main Material	High strength wear-resistant steel plate	
11	Frame structure and characteristics	Welded frame adopts high-strength steel plate + high-strength casting articulated structure	

12	Cab features and requirements	The main body adopts the structural form of profile (welded skeleton) + sheet metal	
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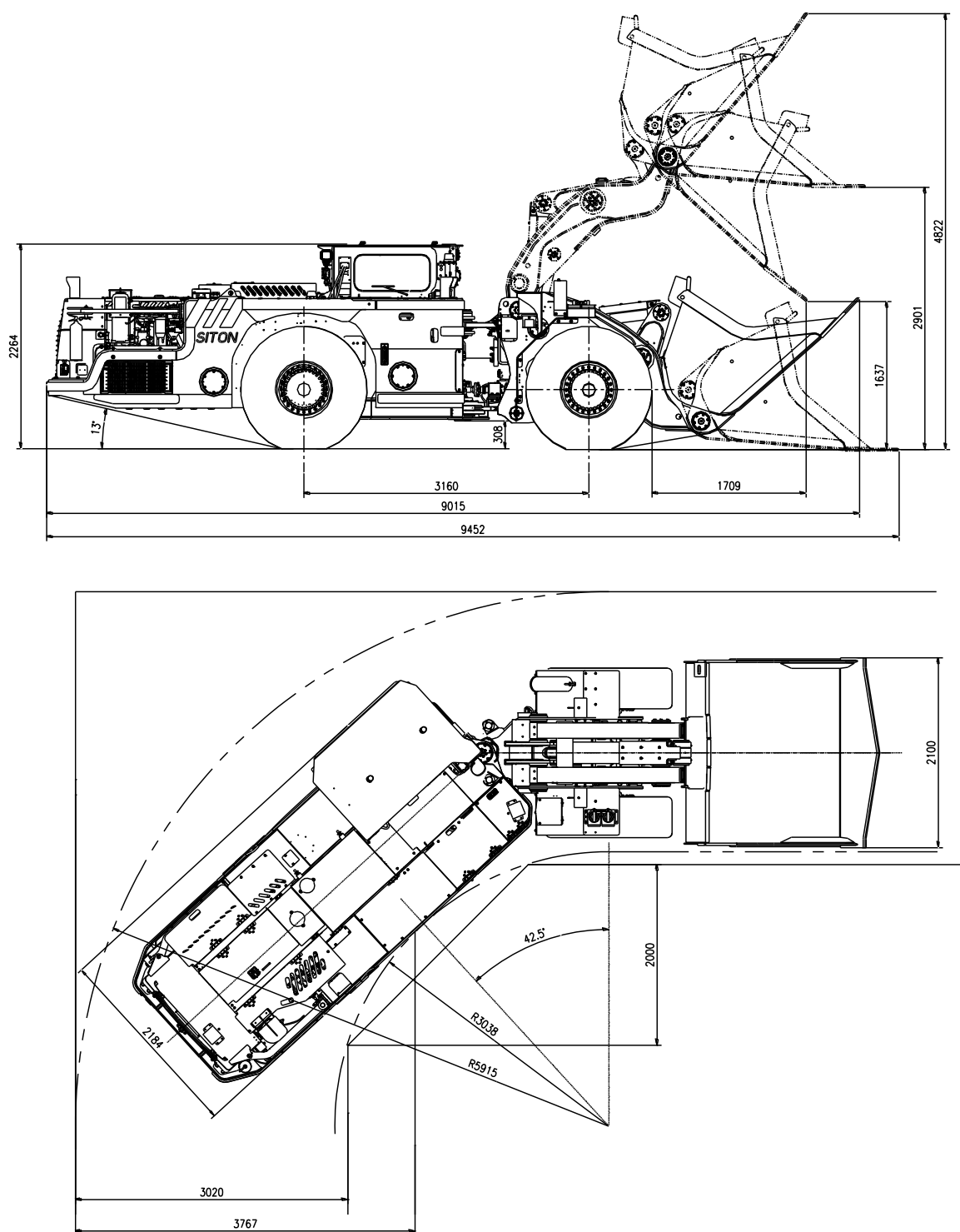
2.WJ-3 Underground LHD Main Configurations

Serial number	Part name	Manufacturer
1	Diesel Engine	VOLVO TAD850VE
2	Torque converter	Dana C273
3	Gearbox	Dana 32000
4	Axle	Kessler D91
5	Hydraulic Pumps	Parker
6	Steering Cylinder	Hengli/Avante
7	Lifting Cylinder	Hengli/Avante
8	Charge valve	Mico
9	Tyre	Techking
11	Lift manifolds	Parker
12	Pilot Valve	Parker
13	Brake Valve	Mico
14	Electrical systems	Schneider / Phoenix
15	Seats	Grammer
16	Automatic lubrication systems	Lincoln
17	Accumulators	Parker

3. Configurations available for the WJ-3 Underground LHD

Serial Number	Option Name	Option Configuration	Remarks
1	Automatic fire extinguishing system	Yes ☐ No ☐	
2	Centralised lubrication system	Yes ☒ No ☐	
3	Floating arm	Yes ☐ No ☐	
4	Trailer system	Yes ☒ No ☐	
5	Automatic weighing system	Yes ☐ No ☐	
6	PDI system	Yes ☒ No ☐	
7	CCTV Video system	Yes ☒ No ☐	

4.WJ-3 Underground LHD Structure and Dimensions



Note: The dimensions of the attached drawings are for reference only, and the actual delivery status shall prevail.