

UX-6A

Underground Maintenance Vehicle



1. UX-6A underground maintenance vehicle technical parameters

No.	Technical Items	Technical Data	Remarks
1	Equipment model: UX-6A		
1.1	Load (KG)	6000	
1.2	Self-weight (KG)	10000	3% up and down deviation
1.3	Maximum Climbing Gradient (°)	15	
1.4	Maximum speed (km/h)	25	
1.5	Dimensions: Overall length(mm)	7930	
	External Dimensions: Overall Width(mm)	1950	
	External Dimensions: Overall Height (mm)	2570	
1.6	Wheelbase(mm)	3650	
	Track width (mm)	1560	
1.7	Minimum Ground Clearance (mm)	≥270	
1.8	Front axle swing angle (°)	±8	
2	Engine		
2.1	Engine type	F4.5CS4119	Tier 4
2.2	Rated power	88kW	
3	Transmission		
3.1	Transmission Model	HTCE3322ILD	
4	Axle		
4.1	Front axle	Fengyi drive axle DR30-22A-I(Q)	
4.2	Rear Axle	Fengyi drive axle DR30-22A-I(H)	
5	Steering System		
5.1	Steering system type	Fully hydraulic steering	
5.2	Steering angle (°)	40	
5.3	Minimum turning radius (mm)	4030± 200 (Inside)	
		6350± 200 (Outside)	
6	Travel speed		
6.1	Forward (km/h)	I gear -5.5	
		II gear -12	
		III gear -25	
6.2	Backward (km/h)	I gear -5.5	
		II gear -12	

		III gear -25	
7	Generator set		
7.1	Model	WPG33/B13	
7.2	Rated power (KW)	24	
7.3	Output Voltage (V)	Three-phase 400/230	
8	Micro-oil air compressor		
8.1	Model	UP5-5TAS-14-272	
8.2	Rated Power (KW)	5.5	
8.3	Output pressure (bar)	14	
8.4	Discharge volume m ³ /min	0.51	
9	Truck-mounted crane		
9.1	Models-	FS404J	
9.2	Lifting Capacity Requirement	800kg for a range of 4.5m	
9.3	Maximum lifting moment (KN.m)	40	
9.4	Maximum working range (m)	4.5	
9.5	Slewing angle (°)	±165	
10	Welding machine		
10.1	Model No.	ZX7-315B1	
10.2	Input Power V/Hz	380 50/60	
10.3	Rated input capacity KVA	11.5	

Equipped with:

- = Air compressor**
- = Generator**
- = Welding machine**
- = Pneumatic tool set (American Standard)**
- = Crane**
- = Lincoln kettle electromagnetic grease lubrication pump**
- = Customer customized requirements**

2.UX-6A Underground Maintenance Vehicle Main Configurations

No.	Equipment name	Unit	Quantity	Configuration	Specification
1	Engine	pcs	1	Cummins	
2	Transmission	pcs	1	Aerospace Power	
3	Axle	pcs	1	Fenyi	
4	Gear pump (steering + brake)	pcs	1	Domestic matching	
5	Gear pump (auxiliary action)	pcs	1	Domestic matching	
6	Battery	set	1	Domestic matching	
7	Front axle drive shaft	pcs	1	Domestic matching	
8	Rear axle drive shaft	pcs	1	Domestic matching	
9	Tire	pcs	4	Domestic	
10	Steering cylinder	pcs	2	Domestic	
11	Air conditioner	set	1	Domestic Matching	
12	Radiator	set	1	Domestic matching	

3. UX-6A Underground Maintenance Vehicle Main Configurations Options

No.	Option name	Optional accessories		Remarks
1	Closed cab	Yes ☒	No ☐	
2	Centralized lubrication system	Yes ☒	No ☐	
3	Automatic fire extinguishing system	Yes ☐	No ☐	
4	PDI system	Yes ☒	No ☐	
5	CCTV Video system	Yes ☒	No ☐	