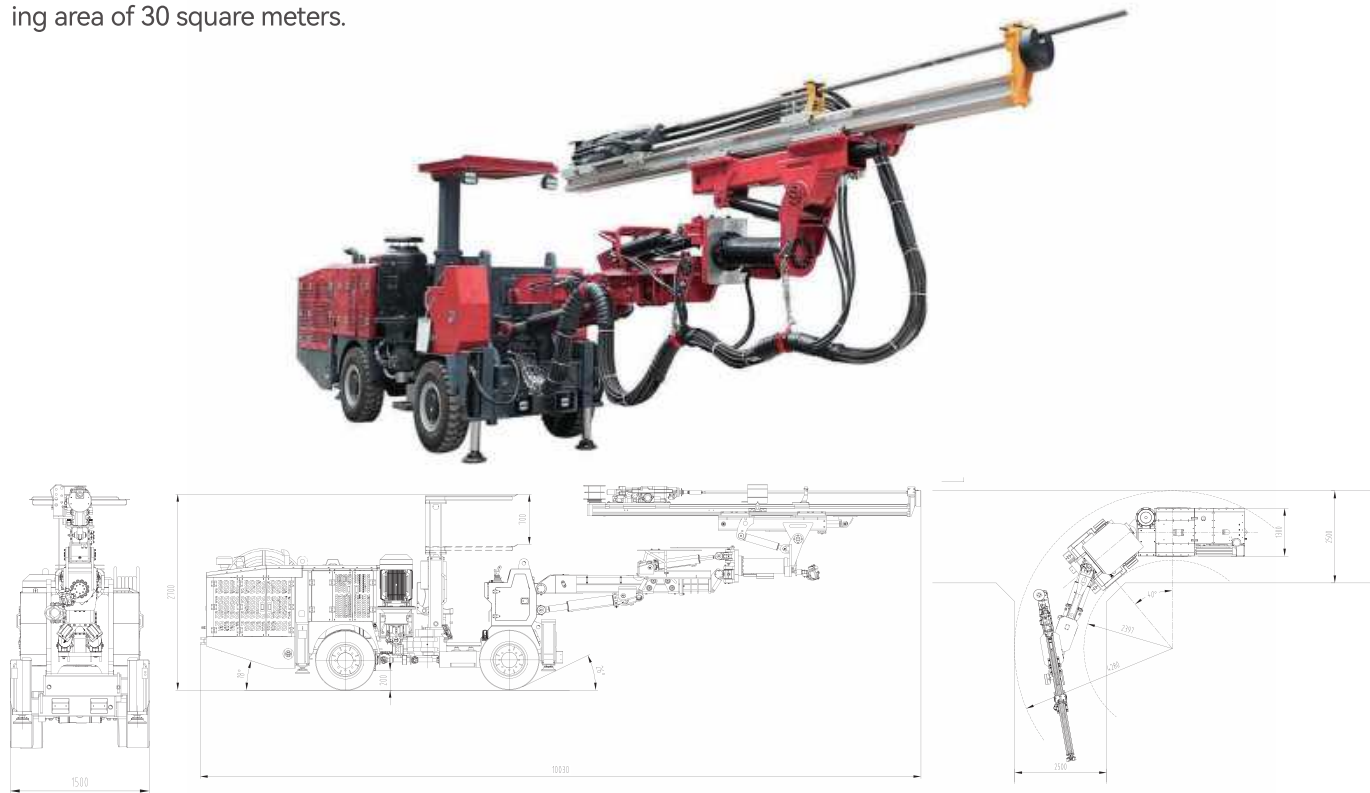


Single Boom Drilling Jumbo - AZK125

Brief Introduction

It is mainly suitable for excavation operations in metal mines, underground tunnels of hydropower stations, culverts and other fields, especially for drilling blasting holes and anchor holes in narrow tunnels. The equipment adopts a hydraulic rock drilling system, which has advanced system, fast rock drilling speed and high work efficiency; the whole machine has a compact structure, is flexible and mobile, and is convenient for operation in a small space, with a maximum operating area of 30 square meters.



Rock Drill

The brand rock drill has the characteristics of super anti-bending ability, high drilling speed and low loss of drill tools, which effectively improves the adaptability of tunnel hole drilling.

Drill Arm

All-round parallel retractable drill arm, fast and accurate positioning; square structure, high strength and good shock absorption performance.

Electric System

Well-known electrical components such as Schneider and Siemens, with high reliability and long service life; equipped with protection and alarm functions, such as ground fault protection, phase sequence protection, motor overload protection and engine fault alarm.

Feed Beam

Light aluminum alloy beam, high efficiency anti-bending, anti-torsion and anti-fatigue performance, long service life. Unique single-layer hose reel, with reliable hose clamp structure, good hose tensioning performance, effectively improves hose life and reduces maintenance times.

Hydraulic System

The rock drilling operation is directly controlled by hydraulic, and auxiliary actions such as outriggers and lighting are electronically controlled, with simple pipelines and easy maintenance. The drilling system has anti-stuck drill, anti- empty drilling and automatic retraction functions, which effectively improves drilling efficiency and reduces loss of drilling tools.

Main Technical Parameters of AZK125

Item	Category		Technical parameters	
1	Basic parameters			
1.1	Equipment weight (kg)		11300	
1.2	External dimensions (mm) L x W x H		10030X1500X2000(2700)	
1.3	Maximum working area (width × height, mm)		6200×5430	
1.4	Turning radius (mm)		5200/7800	
1.5	Maximum coverage area (m²)		30	
1.6	Tunnel width * Height (m)		2.2x2.3	
2	Equipment Configuration			
2.1	Rock drill	Model	Standard AD380 (optional)	
		Brand	Aivyter	
		Working pressure (MPa)	18	
		Impact frequency (Hz)	60	
		Impact energy (J)	360	
		Maximum slewing torque (N·m)	410	
		Rotation speed (r/min)	180	
		Lubrication air consumption (at 3 bar) (L/s)	3.3	
		Water consumption (L/min)	30-50	
	Drill hole diameter (mm)	45		
2.2	Drill arm	Thruster compensation stroke (mm)	1500	
		Maintain parallelism throughout the process	Yes	
		Coverage area (m²)	24	
		Coverage width/height (mm)	5025/5000	
		Boom lifting angle	-43°/+52°	
		Boom swing angle	±30°	
2.3	Feed Beam	Total length of the propulsion beam (mm)	4740 (standard) / 5400	
		Maximum propulsion force (kN)	10	
		Drill rod length (mm)	3090 (standard) / 3700	
		Drilling depth per push (mm)	2830 (standard) / 3440	
		Flip angle	±360°	
		Rotation angle	-3°/+90°	
2.4	Chassis	Climbing ability (°)	±13	
		Engine	Manufacturer	Yuchai
			Power (kW)	55.8
			Maximum torque	310Nm/1600rpm
			Emission and noise standards	National IV
		Transmission system	Four-wheel drive	
		Walking speed (km/h)	Low speed 5 / High speed 9	
		Ground clearance (mm)	200	
		Steering system	Articulated steering	
		Steering angle (°)	±40	
		Wheelbase (mm)	2300	
2.5	Drilling hydraulic system	Hydraulic control method	Manual valve control	
		Motor power (kW)	55	
		Hydraulic oil tank volume (L)	180	
		Pressure oil and return oil accuracy (μm)	10	
2.6	Water system	Water pump power (kW)	3	
		Rated flow rate (L/min)	70	
		Water pressure (bar)	12	
		Ratedpressure(MPa)	1.2	
2.7	Electrical system	Major electrical component manufacturers	ABB/Siemens/Schneider	
		Voltage (V) / Frequency (Hz)	380/50	
		Startup method	Star delta	
		Safety protection system functions	Leakage protection, overload protection, short circuit protection	