

Main performances	Unit	Parameter	Remark
<b>Slot</b>			
Groove depth	m	80	
Groove thickness	mm	600-1200	
Groove width	mm	2800	standard
<b>Working equipment</b>			
Weight	t	15-25	
Max.closing force	t	165	
<b>Main winch</b>			
Lifting capacity	kN	2×270	
Wire rope diameter	mm	32	
Max.line speed	m/min	80	
<b>Mast angle</b>			
Max.working angle	°	82	
<b>Main Chassis</b>			
Base engine	/	6UZ1	ISUZU
Engine power	kW/rpm	257/2000	
Exhaust emission	/	China Stage III	
Engine displacement	L	9.84	
Pump flow	L/min	2×280+144	
Chassis length	mm	7305	
Width retracted/extended	mm	3200-4500	
Track shoe width	mm	800	
Swing radius	mm	4400	
<b>Overall machine</b>			
Overall height	mm	17435	
Operating weight	t	100	
Transport width	mm	3500	
Transport height	mm	3720	

## FAST IMPACT, ACCURATE TRENCH FORMING

SH500 is a small and medium-sized equipment used for construction of subway, industrial and civil infrastructure, seepage prevention construction of water conservancy and reservoir.

**Fast:** the line speed is high in winch mode to enhance drilling efficiency; the streamlined structure of working device enables the smooth and quick movement during entering in or lifting out of water; fast grab opening speed and trench forming speed.

**Accurate:** the working device for the soil layer is equipped with tilt measurement device to detect the trench quality in real time, and the construction accuracy is within 1 ‰.

**Stable:** the special rotary structure and adjustable counterweight designed for grab construction conditions, stable and smooth.

**Intelligent:** remote monitoring of trench curve, mobile terminal curve printing, detect trench quality and reduce dependence on ultrasonic equipment.

**Economic:** easy to transport, without disassembling winch; low oil consumption, reduce construction costs.

**Synchronous:** the actions of pipe reel, cable and main winch are controlled synchronously, reduce maintenance times and lengthen the service life.

