

XZ450E

Main Technical Parameters

Engine	Model	Weichai WP10HG230E670	Weichai WP10HG230E670
	Declared rated net power Maximum net power	170 kW/2200 r/min 186 kW/1800 r/min	228 hp/2200 rpm 249 hp/1800 rpm
Push-pull	Push/pull force	450 kN	101164 lbf
	Max. push/pull speed	42 m/min	138 ft/min
Rotation	Torque	18500 Nm	13644 ft • lb
	Max. rotation speed	120 r/min	120 rpm
Mud pump	Max. flow rate	450/600 (optional) L/min	119/159 (optional) US gal/min
	Max. pressure	8 MPa	1160 psi
Drill pipe	Diameter x length	Φ83 × 3000 mm	Φ3.27 × 118 in
Max. inclination angle		18°	18°
Max. back reaming diameter		Φ900 mm	Φ35.4 in
Weight		14 t	15.4 ton (US)
Dimension (L × W × H)		6990 × 2290 × 2500 mm	275 × 90 × 98.5 in
Chassis traveling speed		2.6 km/h	1.6 mph

Drilling Tools & Accessories

Back reamer	Squeezing & expanding type	ϕ 300 mm/ ϕ 400 mm/ ϕ 500 mm/ ϕ 600 mm/ ϕ 700 mm/ ϕ 800 mm/ ϕ 900 mm	ϕ 12 in/ ϕ 16 in/ ϕ 20 in/ ϕ 24 in/ ϕ 28 in/ ϕ 32 in/ ϕ 36 in
	Fluted type		
Accessories	Sonde housing/Starter rod/ Drill plate/Torque sleeve/ Left-handed nut/Pin pulling head/Box pulling head/ Sub saver	83	83
	Swivel	50 t	55 ton (US)
Mud system	Mud mixing system	2 m ³ /3 m ³	70.6/105.9 cu ft

