

HW7/360 CRAWLER WATER WELL DRILLING RIG

HW7/360 series deep water well drilling rig uses full hydraulic control, and the top drive to drive the rotation of drilling tools with very high drilling efficiency. Reasonable overall layout uses the tractor-mounted all terrain ground chassis for transportation with good maneuverability. Very flexible in difficult roads and can be widely used in many fields such as resource exploration.(hydrology wells, coaled methane, shallow layer of shale gas , terrestrial heat, etc. and can also be used for coal-mine gas exploitation or salvage work.)



MAIN FEATURE

- 01 Compact structure of the whole machine with small dimensions meets the requirement of Drilling in limited space and tunnel transportation.
- 02 Extendable mast(or optional box-type mast) is adopted to meet the requirement of long casing drilling construction, which improves the working efficiency.

- 03 Optional external floating spindle increases 30% service life of drill stem thread.
- 04 Integrated visualized pressure feeding system can regulate the drilling pressure accurately according to the drilling depth.
- 05 With two optional drive modes of the drive unit , the drilling rig has a wide adaptability of strata.
- 06 With the configuration of 4 hydraulic supporting legs, it can realize rapid horizontal adjustment and transportation without crane.
- 07 Rotational centralizer provides extensive operating space.

Main technical parameters

Model	HW7/360	
Drilling capability	Drilling depth(m)	700(Ø102)
	Max. diameter of working floor(mm)	500
Feeding system	Max. lifting capacity(kn)	350
	Max.feeding capacity(kn)	150
	Max. lifting speed(m/min)	32
	Max. feeding speed(m/min)	60
Top drive	Stroke(mm)	7000
	Max. torque(N.m)	12200/6100
	Max. speed(r/min)	180/90
	I.D(mm)	55
	Floating distance(mm)	
Deck engine	Max.tilting angel(°)	
	Type	CUMMINS QSB5.9-C210
	Rated power(kw)	154
Tool winch	Hoisting capacity(kn)	30(Optional)
	Hoisting capacity(kn)	15
Breakout device	Max. breakout torque(N.m)	36000
	Vise clamping range(mm)	Customized
Mud pump	Max.flow(L/min)	
	Max. pressure(mpa)	
Foam pump	Max.flow(L/min)	35 (Optional)
	Max.pressure(mpa)	4 (Optional)
Mud pipe	I.D(mm)	55
	Max.pressure(mpa)	8
	Drive mode	Crawler base
Chassis	Rated power(kw)	
	Highest speed(km/h)	3
	Max.climbing gradient(%)	39
Working dimension(mm)	5150x3250x10500	
Transportation dimension(mm)	6400x2250x2860	
Weight(t)	14	