

# HW5/280 CRAWLER WATER WELL DRILLING RIG

HW5/280 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 or full ground chassis for transportation with good maneuverability. Very flexible in rough roads and can be widely used in many fields such as resource exploration.( hydrology wells, coalbed 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 dimension meets the requirement of Drilling in limited space and tunnel transportation.
- 02 With two optional drive modes of the drive unit , the drilling rig has a wide adaptability of strata.
- 03 Extendable mast(or optional box-type mast) is adopted to meet the requirement of long casing drilling construction, which improves the working efficiency.
- 04 Integrated visualized pressure feeding system can regulate the drilling pressure accurately according to the drilling depth.
- 05 With the configuration of 4 hydraulic supporting legs, it can realize rapid horizontal adjustment and transportation without crane.
- 06 Rotational centralizer provides extensive operating space.
- 07 Optional external floating spindle increases 30% service life of drill stem thread.

## Main technical parameters

Model		HW5/280
Drilling capability	Drilling depth(m)	500( Ø89)
	Max. diameter of work floor(mm)	400
Feeding system	Max. lifting capacity(kn)	260
	Max. feeding capacity(kn)	100
	Max. lifting speed(m/min)	25
	Max. feeding speed(m/min)	36
	Stroke(mm)	5000
Top drive	Max.torque(N.m)	9200
	Speed(r/min)	0-130
	I.D(mm)	55
	Floating distance(mm)	70
	Max. tilting angle(°)	/
Diesel engine	Type	CUMINS 6BTA5.9-C150
	Rated power(kw)	112
Tool winch	Hoisting capacity(kn)	15
	Max. speed(m/min)	30
Breakout device	Max. breakout torque(N.m)	25000
	Vise clamping range(mm)	Customized
Mud pump	Max. flow(L/min)	/
	Max. pressure(mpa)	/
Foam pump	Rate of flow(L/min)	/
	Rated pressure(mpa)	/
Mud pipe	Internal diameter(mm)	55
	Pressure(mpa)	15