

HW-180D ENVIRONMENTAL SAMPLING DRILLING RIG

HW series rotary/direct push crawler dual-power soil and groundwater sampling integrated machine is a light, high-efficiency, multi-functional rubber-wheeled full hydraulic drilling rig. It has the characteristics of advanced structure, convenient use, and short auxiliary time. It is widely used for drilling water wells, environmental monitoring, soil water and soil extraction, mountain blastholes, monitoring wells and other exploration hole projects, and photovoltaic piling, especially suitable for the drilling of ground source heat pump air conditioning holes in urban buildings. The drilling rig adopts compressed air down-the-hole drilling and hydraulic hammer drilling. It has a high drilling speed in rocks with Protoss hardness $f=6-20$, and it has a very high drilling speed in various soils. High drilling speed.



Direct push
drilling
sampling



No need to
add water
during
drilling



Double inner
tube without
pollution



Sampling at
a depth of
30 meters



Main technical parameters

Model	HW-180D
Dimensions(mm)(L *W*H)	3500*1600*2500
Weight(T)	3.5
Drilling diameter(mm)	110~254
Drilling depth(m)	180
Penetration depth(m)	30
Penetration diameter(mm)	40~254
Advance length(mm)	3000
Walking speed(km/h)	2.5
Single machine climbing ability (max)	25
Min ground clearance(mm)	1.5-2.7
Air consumption(m ³ /min)	15-27
Engine power(kw)	42
Engine brand	Yunnei/Weichai
Types of hydraulic pumps	Triple pump
Swing speed(rpm)	48-60
Rotation torque(Nm)	4000-5000
Mud pump flow(L/min)	160-200(optional)
Shaft pressure(T)	4
Lifting power(T)	10
Slow rise speed(m/min)	4.9
Slow forward speed(m/min)	0.5~7.9
Fast forward speed(m/min)	45
Rapid rise speed(m/min)	26
Rotation torque(N.m)	5000~8000
Swing speed(r/min)	0~70
Drilling efficiency(m/h)	10~25
Exploring the maximum impact(T)	30