

Crawler drill rig AN 109 B

The crawler drill AN 109 B is a well-proven multi-purpose drill rig for anchor drilling in ground stabilization, but also intended for many other drilling applications.

The machine frame houses a robust 179 hp air-cooled Deutz Diesel engine with turbo charger. The particularly reliable hydraulics unit can run on biologically degradable oils. The high drive power output allows to drill with powerful hydraulic hammers and rotary heads with a rotation torque up to 14,752 lbf feet.

The drill mast mounted on the AN 109 B is designed for running 118.11" extension drill rods/outer casings. A rod/casing magazine allows the drill string to be fitted and removed quickly and safely. The magazine can hold as many as 6 double rod units, comprising 118.11" long sections of inner rods and outer casings up to 5.23" in diameter.



Technical data:

Crawler drill AN 109 B

Drive engine	Deutz BF 6L 914 C; air-cooled	
Engine output	179	hp at 2,300 rpm
Diesel tank capacity	68.7	gal
Pump output	2 x 31.4 + 15.9 + 7.9 + 6.1 gal/min	
Max. operating pressure	4,351	psi
Hydraulic tank capacity	109.6	gal
Hydraulic fluids	mineral oils, biologically degradable oils	
Length	285	inch
Width	93	inch
Height (in parking position)	109	inch
Weight (without drill head)	25,353	lbs
Spec. ground pressure	10.3	psi
Ground clearance	14.6	inch
Pendulum range of crawlers	+15° / -15°	
Travel speed	2.18	mph
Max. traction	22,930	lbf
Mast length	263.78	inch
Feed travel (single sled)	177.17	inch
Feed travel (doublehead)	129.92	inch
Feed force	17,985	lbf
Retraction force	17,985	lbf
Feed rate	0 – 39	foot/min
Retraction rate	0 – 39	foot/min
Rapid feed	0 – 197	foot/min
Rapid retraction	0 – 197	foot/min
Recommended hydraulic drifters	B 650 R / B 1000 R / B 1500 R	
Recommended rotary heads	DK 1000 / DK 1300 / DK 2000	
Additional equipment	rod/casing magazine auxiliary winch displaceable sleds	

