



The Longyear 38 Diamond Core Drill's high power to weight ratio makes this middleweight drill one of the most versatile exploration tools. Our 38 drills are mounted in a fully unitized drill shack complete with hydraulic driven FMC W09, 420 pressure pump, 200 gallon water tank, and portable mud mixer. Our drill heads, and wireline winches are fully guarded. These drills are powered by a F6L912 Deutz engine with an AT545 Allison power shift transmission, which is direct coupled. All of our 38 drills have a 20' pull out mast on them.

Depth Capacity

BQ	2400 ft (725m)
NQ	1900 ft (575m)
HQ	1200 ft (375m)

Engine

6 cylinder Deutz Diesel F6L912 110 hp @ 2500 rpm

Hoist

Type:	Planetary
Drum Dimensions:	9 ½' (241mm) dia., 5 ½" (140mm) long
Drum Capacity (9 16" cable):	130' (40m) 90' (27.4m) cable furnished with drill
Bare drum line speeds:	72, 150, 278, 468 ft (22, 46, 85, 143m) per minute

Range Selector

Type:	Sliding gear
Ranges:	low, neutral, high ranges
Number of bit speeds:	8 forward



Hydraulic pump

Type:	Variable volume
Volume:	0-12 gallons (0-45 litres) per minute @ 1000 psi
Maximum Pressure:	1000 psi (70 kg per square cm)
Head:	HQ 3 7/8" Hyd
Head:	Twin cylinder type
Spindle ID:	3 7/8" (98.4mm)
Hyd. cylinder ID:	3 1/2" (88.9mm)
Feed Length:	24" (610mm)
Angle Range:	360 degrees

Overall Dimensions

Size:	Width:	42" (107 cm)
	Length:	96.5" (244 cm)
	Height:	57" (145 cm)

Approx. Weight Net

Weight:	(HQ 3 7/8" hyd. head): 3230 lbs (1460 kg)
Wireline hoist	
Type:	Built in
Drum diameter, length:	7" (178mm) diameter, 17" (432mm) long
Drum capacity:	4200 ft (1280m) of 3/16" (4.76mm) wire rope
Bare drum speed:	416 ft (127m) / min
Approx. weight:	250 lbs (113 kg)

Automatic chuck

Type:	Spring loaded, hydraulically released
Capacity:	EW rods through HQ rods / NW casing
Jaws:	Tungsten carbide insert jaws