

DURALITE 800NMP – SPEC SHEET



OVERVIEW:

Duralite Diamond Drills are constructed from only the best quality materials and are designed to be both durable and lightweight. All aspects of the drill have been designed to ensure maximum safety for the user(s). Considerable attention has been given to the size and weight of every component to afford the most efficient disassembly, transport, and re-assembly possible. The total operational weight of the **Duralite 800NMP is only 7,520lbs (3,407 kg).**

Performance:

Depth capacity* for diamond drilling

B 2 3/16" (55.6 MM) 3,575 FT (1,100 M)

N 2 3/4" (69.9 MM) 2,600 FT (800 M)

H 3 1/2" (88.9 MM) 1,950 FT (600 M)

* Drilling capacity is based on a 45-90° hole and will depend on in-hole tools, ground conditions, drilling techniques and equipment used.

Standard Engine:

4 x 44 hp Kubota Mechanical Diesel engines

Hydraulic Module:

Our proven hydraulic system is an open center, vented tank system, constructed using only top brand name pumps, valves, and accessories. This hydraulic system delivers 63 GPM at 2,500 RPM.

Feed Frame and Base:

Head Stroke: 60 Inches (1.52 M)

Pull Capacity: 29,000 lbs @ 3,500 PSI
13,150 kg @ 3,500 PSI

Possible drilling angles: 45° to 90°

Rotary Head, Chuck, and Rod Holder:

Holding Capacity: 26,000 lbs (11,790 kg)

Max Rod Size (Head): H - 3.5" (89 mm)

Chuck Operation: Spring closed and hydraulically opened

Final Drive: Gear driven

Hydraulic motor: 107CC Variable displacement

Transmission: Hi-Lo 2 Speed manual

Gear Ratio: High: 3.0:1 Low: 5.4:1

Lubrication: Pumped oil, filter and cooler

Fabrication: Steel

Speed: Variable up to 1,500 RPM

Max Rod Size (Clamp): P - 4.625" (117 mm)

Wireline Hoist (with Guarding):

The wireline winch is manufactured out of steel and is driven by a low speed, high torque hydraulic motor providing variable speed.

CABLE CAPACITY: 3/16" (4.88 MM): 4,000' (1219 M)

PULL CAPACITY: 2,000 LBS (907KG)

Rod Handling Winch (with Guarding):

CABLE CAPACITY: 5/16": 100' (30.5M)

PULL CAPACITY: 300 LBS (136KG)

Weight:

	lbs	Kg
Engine 1 (with pump)	475	215
Engine 2 (with pump)	475	215
Engine 3 (with pump)	475	215
Engine 4 (with double pump)	505	229
Engine 1 & 2 Foundation (w/ batteries)	200	91
Engine 3 & 4 Foundation (w/ batteries)	200	91
Hyd. Tank Console (with relief lines)	485	220
Hyd. Valve Pack	475	215
Tower Base (w/ ½ hinge) & Tower Rest)	530	240
Feed Frame (w/ ½ hinge)	505	229
Feed Frame Saddle w/head mount	260	118
Feed Cylinder	240	109
Tower (w/ Sheave wheel & Rod Winch)	425	192
B20 Head (without motor and jaws)	745	337
Rotation Motor	105	47
P Rod Clamp and mount	380	172
Wireline Winch (w/3000'/1000M cable)	450	204
Rotation Guard	50	23
Stifflegs (set of 2)	110	50
Prattisoli Pressure Pump	280	127
(*add 260lbs for FMC 435)		
Fuel Pack (empty)	150	68
Total Weight:	7,520	3,407

Duralite Diamond Drills is constantly improving its products and must therefore reserve the right to change materials, weights, specifications, and design without notice.

Duralite Diamond Drills is a CWB Certified and ISO9001:2008 Registered company