

DURALITE 350N – 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 350N is only 5,495 lbs (2,492 kg).**

<p>Performance:</p> <p>Depth capacity* for diamond drilling</p> <table> <tr> <td>B 2 3/16" (55.6 MM)</td> <td>1,625 FT (500 M)</td> </tr> <tr> <td>N 2-3/4" (69.9 MM)</td> <td>1,130 FT (350 M)</td> </tr> <tr> <td>H 3-1/2" (88.9 MM)</td> <td>650 FT (200 M)</td> </tr> </table> <p>*Drilling capacity is based on a 45-90° hole and will depend on in-hole tools, ground conditions, drilling techniques and equipment use.</p>	B 2 3/16" (55.6 MM)	1,625 FT (500 M)	N 2-3/4" (69.9 MM)	1,130 FT (350 M)	H 3-1/2" (88.9 MM)	650 FT (200 M)	<p>Wireline Hoist (with Guarding):</p> <p>The wireline winch is manufactured out of aluminum and is driven by a low speed, high torque hydraulic motor providing variable speed.</p> <p>CABLE CAPACITY: 3/16" (4.88M): 3,000' (914 M) PULL CAPACITY: 2,000 LBS (907KG)</p> <hr/> <p style="text-align: center;">Rod Handling Winch (with Guarding):</p> <p>CABLE CAPACITY: 5/16": 100' (30.5M) PULL CAPACITY: 300 LBS (136KG)</p>
B 2 3/16" (55.6 MM)	1,625 FT (500 M)						
N 2-3/4" (69.9 MM)	1,130 FT (350 M)						
H 3-1/2" (88.9 MM)	650 FT (200 M)						
<p>Standard Engine:</p> <p>Diesel John Deere 99HP at 2,800 RPM</p>							

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 49 GPM at 2,800 RPM.

Feed Frame and Base:

Head Stroke:	60 Inches (1.54 M)
Pull Capacity:	24,700 lbs @ 3,500 PSI 11,200 Kg @ 3,500 PSI
Possible drilling angles:	45° to 90°

Rotary Head, Chuck, and Rod Holder:	Weight:	lbs	kg
Holding Capacity (head): 12,000 lbs (5,443 kg)	Power Unit c/w lift point	1,090	494
Maximum Rod Size (head) 2.875" (73 mm)	Hydraulic Pack c/w oil & hoses	1,220	553
Maximum Rod Size (clamp) 3.5" (88.9 mm)	Feed frame c/w cylinder/saddle/half hinge	970	440
Chuck Operation Spring closed and Hydraulically opened	Tower base c/w winch/cable/lift arm/rest	780	354
Final Drive: Gear Driven	Tower c/w rod winch/sheave wheels/slide	460	209
Hydraulic motor: 80cc Variable	Drillhead assembly c/w motor & hoses	520	236
Gear Ratio: 1.18-1	Rod Clamp c/w jaws	300	136
Lubrication: Gear oil bath	Rotation Guard	45	20
Fabrication: Steel	Stiff Legs (set)	110	50
Speed: Variable - 1,500 RPM	Total Weight:	5,495	2,492