

DURALITE 450B – 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 450B is only 5,440lbs (2,473 kg).**

<p>Performance:</p> <p>Depth capacity* for diamond drilling B 2 3/16" (55.6 MM) 1,463 FT (450 M)</p> <p>* Drilling capacity is based on a 90° hole and will depend on in-hole tools, ground conditions, drilling techniques, and equipment use.</p>	<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" (4.88 MM): 3,000' (914 M) PULL CAPACITY: 2,000 LBS (907KG)</p>
<p>Standard Engine:</p> <p>Diesel John Deere 125Hp at 2,200 RPM</p>	<p>Rod Handling Winch (with Guarding):</p> <p>CABLE CAPACITY: 3/8": 100' (30.5M) PULL CAPACITY: 300 LBS (136KG)</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 57 GPM at 2,200 RPM.

Feed Frame and Base:

Head Stroke:	60 Inches (1.52 M)
Pull Capacity:	17,000 lbs @ 3,500 PSI
Possible drilling angles:	45° to 90°

<p>Rotary Head, Chuck, and Rod Holder:</p> <p>Holding Capacity: 9,000 lbs (4,090 kg) Maximum Rod Size: 2.225" (56 mm) Chuck Operation: Spring closed and hydraulically opened Final Drive: Gear driven Hydraulic motor: 84cc Sunfab Transmission: 1 Speed Gear Ratio: 1.1 – 1 Lubrication: Gear oil bathe Fabrication: Steel Speed: Variable up to 1,500 RPM</p>	<p>Weight:</p> <table> <tr> <td>Power Unit c/w Guarding</td> <td>1,320 lbs</td> </tr> <tr> <td>Hydraulic Module</td> <td>1,325</td> </tr> <tr> <td>Main feed frame</td> <td>470</td> </tr> <tr> <td>Tower base c/w winches (no cable)</td> <td>875</td> </tr> <tr> <td>Tower c/w stiff legs</td> <td>450</td> </tr> <tr> <td>Drill head assembly c/w motor & hoses</td> <td>325</td> </tr> <tr> <td>Rod clamp assembly</td> <td>120</td> </tr> <tr> <td>Helpers floors & Beams</td> <td><u>555</u></td> </tr> <tr> <td>Total Weight:</td> <td><u>5,440 lbs</u></td> </tr> </table>	Power Unit c/w Guarding	1,320 lbs	Hydraulic Module	1,325	Main feed frame	470	Tower base c/w winches (no cable)	875	Tower c/w stiff legs	450	Drill head assembly c/w motor & hoses	325	Rod clamp assembly	120	Helpers floors & Beams	<u>555</u>	Total Weight:	<u>5,440 lbs</u>
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Duralite Diamond Drills is constantly improving its products and must therefore reserve the right to change materials, weights, specifications, and design without notice.