DURALITE 500BMP – SPEC SHEET

DURAlite
diamond drills

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 500BMP is only 5,975lbs (2,716 kg).**

Performance:

Depth capacity* for diamond drilling
   B 2-3/16" (55.6 MM)   1,625 FT (500 M)

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

Standard Engine:
        4 x Kubota 40HP at 2,500 RPM (160HP Total)

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 61 GPM at 2,500 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°

Rotary Head, Chuck, and Rod Holder:
   Head Holding Capacity: 9,000 lbs (4,091 kg)
   P Clamp Holding Capacity: 26,000 lbs (11,790 kg)
   Maximum Rod Size (Head):   2.225" (56.5 mm)
   Maximum Rod Size (Clamp):   4.625" (117.5 mm)
   Chuck Operation: Spring closed and
                        hydraulically opened
   Final Drive: Gear driven
   Transmission: Single Speed
   Gear Ratio: 1.1:1
   Lubrication: Gear oil bath
   Fabrication: Steel
   Speed: Variable up to 1,500 RPM
   Hydraulic Motor: 84CC, 108CC & 205CC

Wireline Hoist (with Guarding):

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

CABLE CAPACITY:	3/16" (4.88 MM): 3,000' (914 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:

Engine 1 (with pump)	475 lbs
Engine 2 (with pump)	475
Engine 3 (with pump)	475
Engine 4 (with double pump)	505
Engine 1 & 2 Foundation (with batteries)	200
Engine 3 & 4 Foundation (with batteries)	200
Hyd. Tank (with relief lines)	445
Hyd. Valve Pack	420
Tower Base (with ½ hinge)	325
Feed Frame (with ½ hinge)	360
Tower (with Sheave wheel)	280
Wireline Winch (with 2000' cable)	275
P Rod Clamp and mount	340
300 Head (with motor and hoses)	375
Fuel Pack (empty)	150
Rotation Guard	45
Stifflegs (set of 2)	110
Feed cylinder c/w saddle	240
Pratissoli Pressure Pump	280

(If equipped with FMC 435 add 260 lbs)

        Total Weight: **5,975 lbs**

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