



## RIG# 450

**Morooka MST 1500 with attached Diedrich D 120 Mechanical Drill. The Drill is a multi purpose Rig capable of many different drilling styles. DROPs Certified**

***Options: Wiggle Tail, Deck Slide, Half Mast Capable, Arctic Cold Weather Package, Rear Upright Auger Rack, Front Mount Auger Rack, Heated Enclosed Cab, Heated (Glove Heater/PPE Tool Box), Heated 1m3 Water Tank, 140LB Diedrich Auto Hammer, 3 Winches with the Option of a 4<sup>th</sup>(Wireline)***

***Drilling Styles: Solid & Hollow Stem Auger, ODEX, Air Rotary, Rock Coring NQ, NQ3, HQ, HQ3, Mud Rotary***

***Sampling Types: CFA (Continuous Flight Auger), SPT, Dynamic Cone, Shelby Samples, H-Series Packer Testing, Vane Shear, Piston Sampling, Laskey, N-H Core, CPT***



# Weights & Dimensions

Overall Weight – *16,531 Kg* Ground Pressure – *Under 6 PSI*

Travel Height – *3.3m* Overall Width – *2.6m*

Mast Up Height – *9.5m* Half Mast Height – *5.9m*

Track Length – *4.68m* Track Width – *0.71m*

Overall Travel Length – *7.73m* Max Speed – *12km/Hr*

# Drill Specifications

Power Source – *4 Cylinder Tier 4 @ 139HP*

Torque – *High 22,550 Ft/Lbs, Low 9097 Ft/Lbs*

Spindle Bore – *3.5"*

Pull Down Force – *21,450 Lbs*

Pull Back Force – *32, 515 Lbs*

Clutch System – *13"*

Transmission – *Helical Gear, 5 Forward*