



R701



Rig

Make Sonic Drilling Corporation
 Model SDC450-24
 Carrier Tracked
 Rig Engine Caterpillar 225 H.P.
 Drilling Operations Continuous Coring, Mud/Sonic Drilling, Water Injection, Dewatering Wells, Anchor Installation, Standard Penetration Testing, Shear Vein Testing, Piezometers, Aggregate Investigation, Pile Installation, Angle drilling



Move Loads

Summer 2 Loads
 Winter 3 Loads



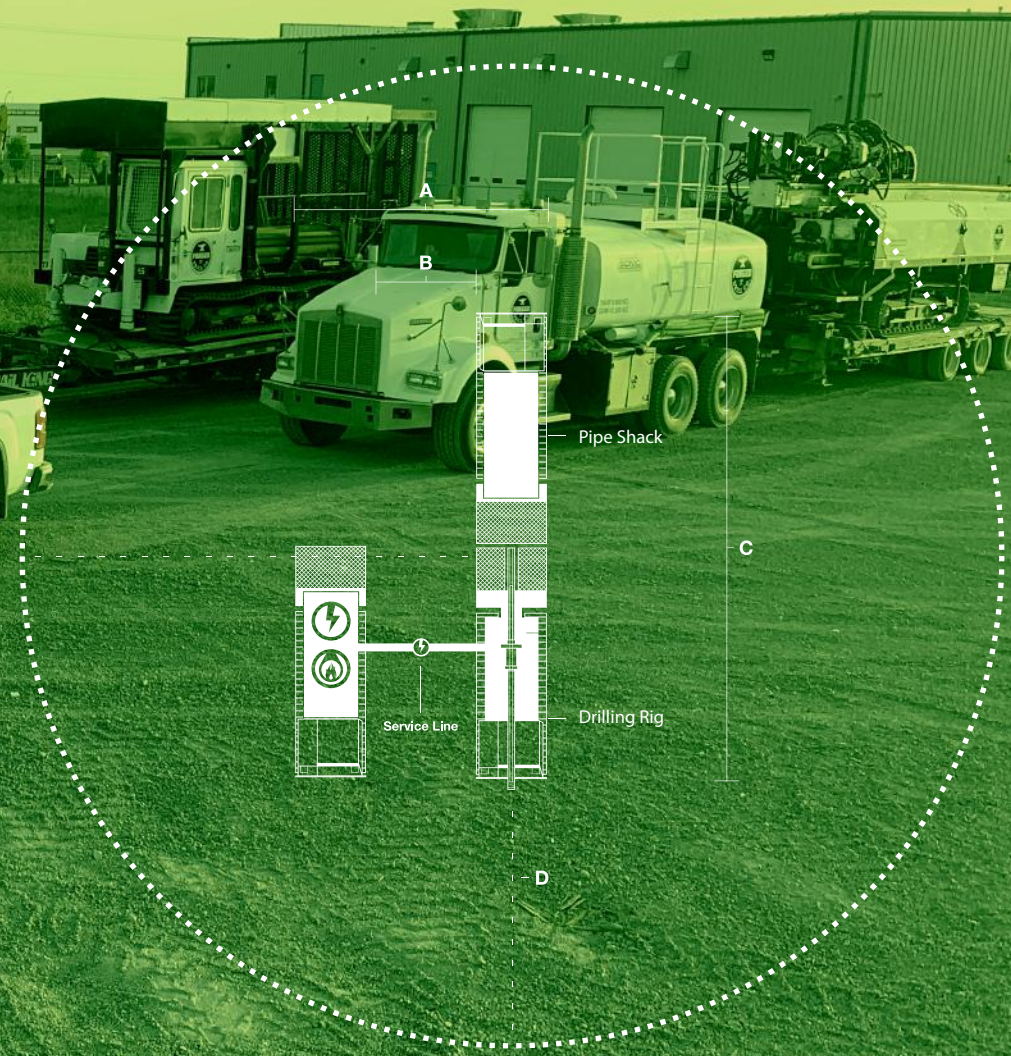
Capabilities

Depth 100.0 m
 Hole Size 60.3 mm to 248 mm (2 3/8 inches to 9 3/4 inches)



Mast

Make Sonic Drilling Corporation
 Model SDC450-24
 Range Range I Compatible - Top Drive Travel - 4.30 m (14.0')
 Dimensions 6.10 m (L) x 0.45 m (W) x 0.45 m (D) : 20' (L) x 18" (W) x 18" (D)
 Static Hook Load 18,000 DaN (40,000 lbs)
 Pull Back Top Head 9,100 DaN (20,000 lbs)
 Pull Down Top Head



A	11.60 m	38'	Overall Rig Width
B	5.50 m	18'	Distance between Drill and Boiler Unit
C	15.84 m	52'	Overall Rig Length
D	24.40 m	80'	Distance from Hole Centre to Edge of Lease
E	48.75 m	160'	Standard Lease Width/Length

-  Generator
-  Boiler





R701



Hydraulic Draw Works

Mainline	Braden / Gearmatic : BG 4B - 05139 - 0114
Capacity - Line Pull	2,100 DaN (4,826 lbs) - Single Line
Line Speed	31.95 m/min
Line Size	1/2 " (6 x 19 IWRC EIPS)



Top Drive

Make	Sonicor
Model	50K
Capacity	10,800 DaN (24,000 lbs)
Torque Output	7110 N-m : 62,000 in / lbs (rated at 113 R.P.M.)
R.P.M	0 - 160 R.P.M.
Swivel	Sonicor
Frequency	60-150 Hertz



Generator

Make	MQ
Engine	Whisperwatt
Output	30 KwW : 208 Volt - 3 Phase



Mud Tanks (Optional)

Total Volume	2.0 m ³
Compartments	Two Compartments (1.0 m ³ , 1.0 m ³)

* This tank is standard equipment: 12.0 to 6.0 m



Mud Pump

Make	Cat
Model	Triplex
Output	0.1460 m ³ / min
Max Operating Pressure	6900 kPa (1000 PSI)
Drive	Hydrostatic

* Larger mud systems are available with higher flow as well as solids control, if required .



Carrier Specifications

Length	6.55 m (21' 6")
Width	2.59 m (8' 6")
Height	3.50 m (11' 6")
Minimum Ground Clearance	0.50 m (20")
Track Width	0.41 m (16")
Machine Weight	14,500 Kg (31,900 lbs)
Machine Weight Loaded	15,500 Kg (34,100 lbs)
Travel Speed (Maximum)	8.0 Km / hr - 5.0 M.P.H
Ground Pressure Loaded	30.03 kPa (3.9 P.S.I)



Boiler

Make	Hurst
Output	30 H.P.
Water Storage	2.2 m ³ (485 imp. Gallons)
Fuel Storage	1000 L



Fuel Tanks

Capacity	375 L - On Board Storage
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