



R702



Rig

Make Sonic Drill Corporation
Model SDC500-28P
Carrier Peterbilt 335
Rig Engine Cummins ISX 425 HP
Drilling Operations Continuous Coring, Mud/Sonic Drilling, Water Injection, Dewatering Wells, Anchor Installation, Standard Penetration Testing, Shear Vein Testing, Piezometers, Aggregate Investigation, Pile Installation



Move Loads

Summer 2 Loads
Winter 3 Loads



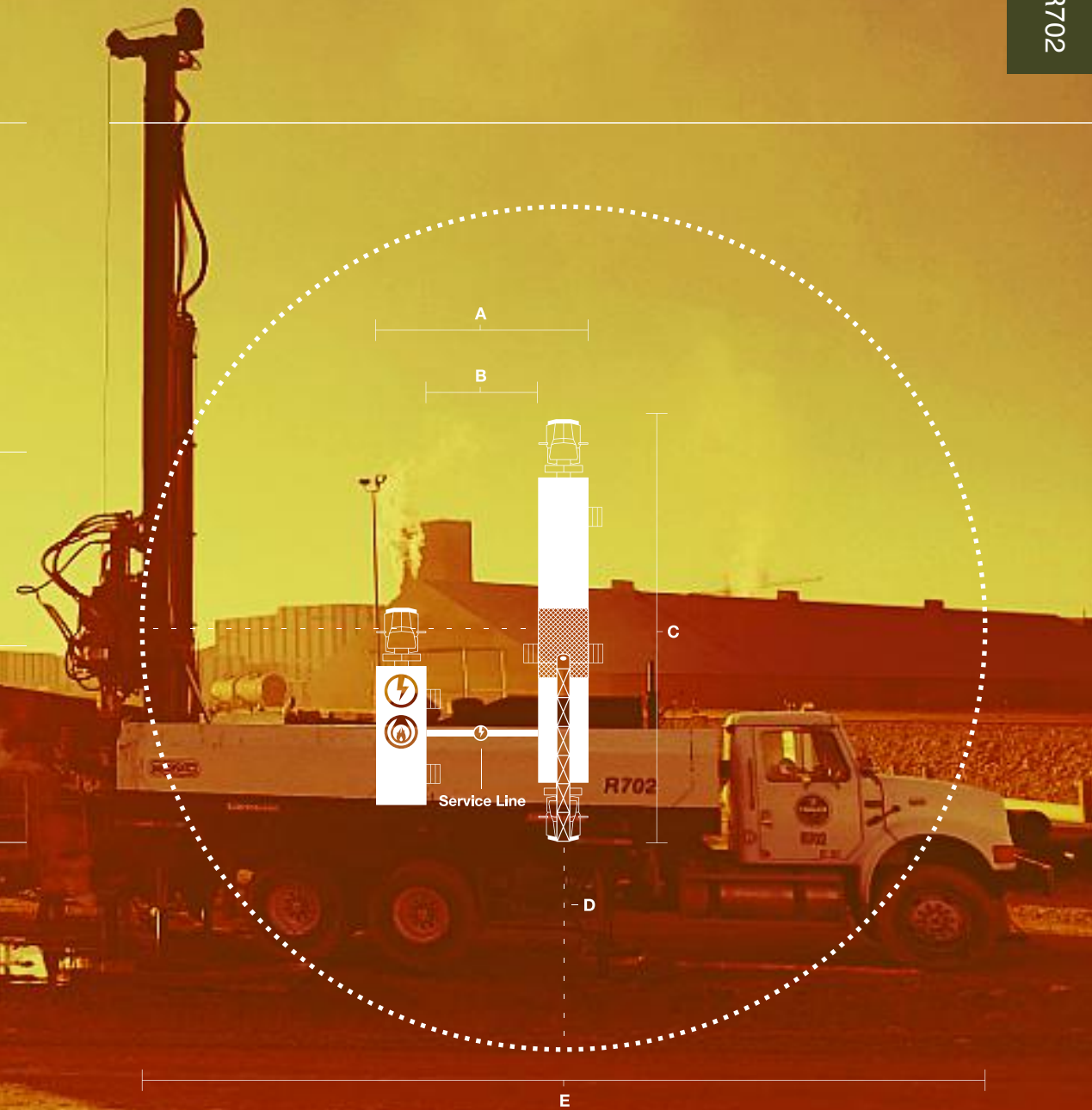
Capabilities

Depth 180 m (600')
Hole Size 101.6 mm to 304.8 mm (4 inches to 12 inches)



Mast

Make Sonic Drill Corporation
Model SDC500-28P
Range Range I Compatible - Top Drive Travel - 7.3 meters (24.0')
Dimensions 11.3m (L) x 0.75m (W) x 0.6m (D) : (37.0' (L) x 30" (W) x 20" (D))
Static Hook Load 23,000 DaN (50,000 lbs)
Pull Back - Top Head 10,800 DaN (24,000 lbs)
Pull Down - Top Head 7,250 DaN (16,000 lbs)



A	11.60 m	38'	Overall Rig Width
B	5.50 m	18'	Distance between Drill and Boiler Unit
C	23.00 m	76'	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





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Hydraulic Draw Works

Mainline	Braden / Gearmatic : PD 12 C
Capacity - Line Pull	5,400 DaN (12,000 lbs) - Single Line : 10,800
Line Speed	45.7 m/min
Line Size	5/8" (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	Onan
Engine	PTO Drive - Dog House
Output	30 KwW : 208 Volt - 1 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	11.0 m (36' 0")
Width	2.59 m (8' 6")
Height	4.0 m (13' 1")
Minimum Ground Clearance	0.30 m (11")
Machine Weight	21,300 Kg (47,000 lbs)
Machine Weight Loaded	25,800 Kg (57,000 lbs)
Travel Speed (Maximum)	110.0 Km / hr - 68 M.P.H.



Boiler

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



Fuel Tanks

Capacity	500 L - On Board Storage
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