



SDC450



SONIC DRILL CORPORATION

WORLD-LEADING DESIGNER AND MANUFACTURER OF SONIC DRILL RIGS



SPECIFICATIONS

POWER SOURCE: Caterpillar C7, 6 CYL, 7.2L, Turbocharged, 250HP @ 1800 RPM, Tier 4 "Flex", Hydraulic Oil Cooler, 24VDC

RIG DECK: (4) 4" x 24.5" Jacklegs w/ Counter Balance Valve, (4) Jackleg Covers, Formed & Reinforced Deck Skin, Tubular & Channel Framework, Anti-Slip Surface

DRILLING MAST: Single Tube Construction, 15 FT Head Travel, Hydraulic Cylinder/Chain Driven System, Fully Enclosed, Pullback 22,260 LBS, Pulldown: 12,369 LBS, Max Casing Length 10 FT

JIB HOIST (OPTION): Main Hoisting Winch, Top Mount, 4,000 LBS Capacity (Bare Drum), 72 FPM

WATER PUMP (OPTION): FMC W1122 BCD, 37 GPM, 1,000 PSI (Other pump sizes available)

HYDRAULIC SYSTEM: Triple mount pump drive, 6 variable displacement pumps, pressure and flow controlled

SONIC HEAD: Model Sonikor 50K, Hydraulic 60 Degree Tilting Cylinder; Upgraded Water Swivel

HOSE CARRIER SYSTEM: High Pressure Hydraulic Tubing

CONTROL CONSOLE / SWING ARM: Compact Lightweight Configuration, Ergonomic Configuration, Key Start, Remote Throttle, Digital Tachometer, Pilot Control Valves, Electro Mechanical Valves

CRAWLER BASE: Rubber Tracks, Wireless Radio Transmitter

BREAKOUT TABLE: BTC-28 Open C-Clamp Table, Clamping Range: 2.5 to 8.625 inch nominal c/w hinge

- Sonic Drill Corporation originated sonic drilling technology and introduced the concept to the drilling industry
- Our equipment is the result of over 25 years of extensive research and development
- We have a solid history of real world testing with machines in daily operation around the world in a variety of applications

OPTIONS

- Manual Single Rod Handler
- Bean water pump, Model L1122D HSNAR (75GPM/1000 PSI, abrasion resistant)
- Custom colour (non-metallic)
- Deck boxes with locks
- Hydraulic oil type (non-standard)
- Lighting Package (tower)
- Rod spinner mounts onto breakout table
- Secondary oil cooler package
- SPT Hammer with cradle mount, hydraulic control circuit and quick disconnect hoses
- Steel Tracks
- Pipe guide set
- Stationary rod rack (for 10 foot rods)
- Tower slide, bumper and controls (36 inch travel)
- Two auxiliary hydraulic service lines with electrical, valve and hydraulic quick disconnects
- Secondary helper controls for jib hoist (jib hoist option required)
- Hydraulically actuated pipe guide
- Water pump pressure reliever
- Gravity feed hydraulic circuit
- Water pump flow meter

Contact a representative for a complete options list

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*SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE

Sonic Drill Corporation is the world leader in the design and manufacture of Sonic drill rigs as well as rig conversions, options and drill tooling.

For more information, visit our website at www.sonic-drill.com or contact us at **+1 604 854 1383**, toll free (in North America) **+1 877 854 1383**.

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