



TRANSPORT DIMENSIONS

SONIC DRILLING SUPPLIES LTD

Tel + 44 (0)1260 273 856 Fax + 44 (0)1260 276 823 Email info@sonicdrill.co.uk



SONIC DRILLING SUPPLIES LTD

141 St Johns Road, Congleton, Cheshire, CW12 2EH, UK

T +44 (0)1260 273 956 F +44 (0) 1260 276 923 E info@sonicdrill.co.uk

SDC500 SERIES SONIC CRAWLER

TECHNICAL SPECIFICATIONS (STANDARD)

ENGINE

CAT-diesel engine, EMS, water cooled, hydraulic oil cooler		3126B EPA/CARB Tier II
Rated output @ 1850 rpm	kW / hp	186.5 / 250
Max. rated output	kW / hp	223 / 300
Fuel tank capacity	liters / gal	250 / 66

HYDRAULIC SYSTEM

Hydraulic pumps		
Operating pressure	bar / psi	310 / 4500
Hydraulic tank capacity	liters / gal	454 / 120

CRAWLER BASE

CAT Crawler		Model 312C
Towing force	kN / lbs	110 / 24,720
Crawler speed	kph / mph	5.5 / 3.4
Ground pressure	kPa / psi	39 / 5.66
Overall width	mm / ft in	2490 / 8'2"
Triple grouser	mm / ft in	500 / 20"
Length of crawler units (axle to axle)	mm / ft in	2780 / 9'1"
Ground clearance	mm / ft in	440 / 1'5"

DRILL MAST

Single tube design		
Overall length	mm / ft in	8580 / 28'2"
Head travel	mm / ft in	5486 / 18'0"
Max. casing length	mm / ft in	4572 / 15'0"
Pulldown force	kN / lbs	71 / 16,000
Pullback force	kN / lbs	107 / 24,000
Feed rate	-	-
Fast feed rate	-	-
Micro feed rate	-	-
Float up/down	-	-
Holdback	-	-
Hose carrier, PowerTrak System	-	-
Main Winch Capacity	kg / lbs	2,272 / 5,000

SONIC HEAD

(Recommended) Sonitor 50K

BREAKOUT TABLE(S)

Open C-clamp Style		BTC-28
Clamping range (diameter)	mm / inch	63.5-219 / 2 1/2"- 8 5/8"
Open C-clamp Style		BTC-412
Clamping range (diameter)	mm / inch	114-324 / 4 1/2"-12 3/4"

WATER PUMP(S)

Triplex Piston Pump		FMC W1122-BCD
Max. rated output	lpm / gpm	140 / 37
Max. rated pressure	bar / psi	69 / 1000
Triplex Piston Pump		FMC M1218
Max. rated output	lpm / gpm	293 / 77.5
Max. rated pressure	bar / psi	103 / 1,500

WEIGHT (APPROX)

kg / lbs 13,636 / 30,000

OPTIONAL EQUIPMENT

- Hydraulic Oil cooler (135,000 Btu/hr @ 35 gpm)
- Angle Drilling Mast
- Automatic Rod Handler
- Rod Spinner

(Contact a representative for a complete options list)