

SONIC PROBE™ 150

*DIMENSIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE

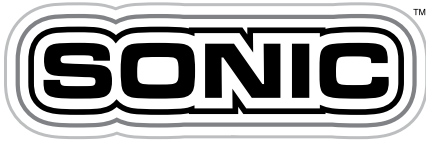


SONIC DRILL CORPORATION

SUITE 400 - 120, 114 WEST MAGNOLIA ST BELLINGHAM, WA 98225
 PH +1 604 306 2552 TOLL FREE +1 877 854 1383 SONIC-DRILL.COM

TECHNICAL SPECIFICATIONS

Drill head type	Hydraulically driven rotary head with vibration
Oscillator output force (max.)	8500 lbs force [38 kN]
Frequency (max.)	66 Hz
Rotation torque	2500 ft-lbs [3.4 kNm] and 1250 ft-lbs [1.7 kNm] high
Rotation speed	30 rpm low / 60 rpm high
Feed system type	Variable Speed Hydraulic Cylinder
Feed stroke	55" [1.4 meters]
Down force (max.)	10,500 lbs (4762 kg)
Retraction force (max.)	24,000 lbs [10,884 kg]
Weight	4,500 lbs [2,041 kg] approx.
Width	49" [1245]
Length (mast folded)	120.25" [3054]
Height (mast folded)	72.5" [1842]
Height (mast folded w/ foot & Sonic head removed)	60" [1524]
Height (mast raised w/ jib in lowest position)	120.5" [3061]
Height (mast raised w/ jib in highest position)	147.5" [3747]
Height (mast raised w/ jib removed)	116" [2946]
Mast length	120.25" [3054]
Center of spindle to mast frame	8.5" [216]
Drill head, manual swing out c/w latch	70 Degrees
Lateral movement (side-to-side)	17" [432]
Foot travel (forwards and backwards)	12" [305]
Mast slide <dump> (up-and-down)	24" [610]
Hydraulic system	Single variable displacement pump, pressure & flow controlled
Hydraulic pressure (system)	2850 Psi [197 Bar]
Hydraulic flow rate (system)	31 Gpm [117 l/m]
Hydraulic reservoir	14 US Gal [53 Liters]
• Refer to dimensional drawing for the above •	
Fuel capacity (diesel)	12 US Gallon [45 Liters]
Engine (diesel)	Kubota 4 Cylinder Tier 4 / T3 & EU Stage 3A
Engine power (nominal)	32 Hp (23.9 KW) @ 2400 Rpm
Engine power (max)	35.1 Hp (26.2 KW) @ 3000 Rpm
Cooling system	Liquid
Hydraulic oil cooler	15,000 btu/hr @ 50 degrees F, E.T.D.
Electrical system	12 VDC
Area track on ground	1267 sq.in. [8177 sq.cm.]
Track ground pressure	3.5 psi [0.24 bar]
Track width	9.75" [248]
Track length	68" [1727]
Outrigger extension	15" [381]
Ground speed	3.1 Mph [5 Kph]
Hoist type	Variable Speed Planetary c/w Brake
Linepull capacity	1,103 Lbs [500 kg]
Linepull speed	0 - 164 Feet / Min [0 - 50 meters / min]
Spool capacity	1/4 inch x 118 Feet [6 mm x 36 meters]
Noise level @ 1 meter	82 dB
Noise level @ 7 meters	69 dB
Noise level @ 20 meters	61 dB
Color	Black & Winter White



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STANDARD / OPTIONAL EQUIPMENT

	STANDARD	OPTIONAL
EP-26 Sonic drill head	●	
Drill head, manual swing out c/w latch	●	
Auxillary hydraulic ports		●
Lateral movement (side-to-side)	●	
Foot travel (forwards and backwards)	●	
Mast slide <dump> (up-and-down)	●	
Control panel	●	
Jib with winch		●
Decontamination racks		●
Water transport system		●
Receiver hitch hookup		●
Machine vise and mount		●
Radio track controller	●	
Hydraulic fluid cooler	●	
35 Hp diesel power unit	●	
Independently driven rubber tracks	●	
Rod rack		●
Accessory power port, 12V		●
Exterior working lights		●
Deck side skins	●	
Skid, heli-platform or truck mount		●
Mast length (increase)		●
Rod casing guide		●
Bolted mast foot	●	
Hydraulic fluid cooler	●	