



Predator 1000-10 Cutterhead Dredge

Features:

Powerful, fuel efficient, offering the lowest overall operating costs
 High Speed Low Torque Cutter Drive System
 Fresh Water Cooling System
 Single Module Unitary Hull for easy transportability and assembly
 Broad range of optional equipment to customize to your work
 24 V Electric System for Convenience Power

Principal Dimensions:		Cutter	
One piece unitary Hull		Hydraulic Motor/Gear Reducer cutter drive	
Ladder Length	32 Ft. 9.75 Mtr.	Power at cutter shaft	40 HP
Overall Length, ladder up	59 Ft. 18 Mtr.	Cutter Shaft Diameter	3.0 In. 7.62 Cm.
Pontoon Length	43 Ft. 13.1 Mtr.	Cutter Speed	0-45 RPM
Width, Outside	12 Ft. 3.66 Mtr.	Back Ring Diameter (I.D.)	26 In. 66.04 Cm.
Depth, pontoons and Hull	4 Ft. 1.22 Mtr.		
Approx. Draft, with fuel	2.5 Ft. 0.76 Mtr.		
Working Depth (45 Deg)	23 Ft. 7.01 Mtr.	Winches	
Working Depth (60 Deg)	28 Ft. 8.53 Mtr.	Ladder: Line Pull	8,000 lbs. 3628.74 Kg.
Suction Pipe Diameter	10 In. 25.4 Cm.	Swing: Line Pull (x2)	8,000 lbs. 3628.74 Kg.
Discharge Pipe Diameter	10 In. 25.4 Cm.		
Dredge Pump		Spuds	
High Chrome 10 x 10- 32" Impeller		Length	38 Ft. 11.58 Mtr.
3 Vane w/Cleanout Intake Tee		Diameter	12 In. 30.48 Cm.
		Weight	4,000 lbs. ea. 1814.37 Kg. each
Main Engine		Spud Cylinders	
Caterpillar Industrial Diesel Engine		Size	4 In. Dia. 10.16 Cm. Dia.
Heat Exchanger cooled		Length	48 In. 121.92 Cm.
440 BHP continuous Power @1,800 RPM		Stroke	48 In. 121.92 Cm.
		Spud Travel	4 Ft. 1.22 Mtr.
Gear		Swing Width (40 degrees each side)	
Heavy Duty V-Belt Drive		@ 10 Degree Digging Angle	75 Ft. 22.86 Mtr.
Twin Dic Manual Clutch		@ 60 Degree Digging Angle	55 Ft. 16.76 Mtr.
Options		Theoretical Production Rate	
		Medium Sand, 15 % solids	175 yds³/Hr 160.02 M³/Hr
		Medium Sand, 25% solids	292 yds³/Hr 267.00 M³/Hr

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