



Predator 4000-20 Cutterhead Dredge

Features:

Powerful, fuel efficient, offering the lowest overall operating costs
 High Speed Low Torque Cutter Drive System
 Fresh Water Cooling System
 Three major Hull sections for easy transportability and assembly
 Broad range of optional equipment to customize to your work
 Dedicated diesel generator for AC power

Principal Dimensions:		Cutter	
Ladder Length	62 Ft. 18.9 Mtr.	Hydraulic Motor/Gear Reducer cutter drive	
Overall Length, ladder up	107 Ft. 32.6 Mtr.	Power at cutter shaft	200 HP
Pontoon Length	80 Ft. 24.4 Mtr.	Cutter Shaft Diameter	7 In. 17.78 Cm.
Width, Outside	28 Ft. 8.53 Mtr.	Cutter Speed	0-35 RPM
Depth, pontoons and hull	6 Ft. 1.83 Mtr.	Back Ring Diameter (I.D.)	52 In. 132.08 Cm.
Approx. Draft, with fuel	3 Ft. 0.91 Mtr.		
Working Depth (45 Deg)	44 Ft. 13.4 Mtr.	Winches	
Working Depth (60 Deg)	54 Ft. 16.5 Mtr.	Ladder: Line Pull	25,000 lbs. 11339.8 Kg.
Suction Pipe Diameter	22 In. 55.9 Cm.	Swing: Line Pull (x2)	25,000 lbs. 11339.8 Kg.
Discharge Pipe Diameter	20 In. 50.8 Cm.		
Dredge Pump		Spuds	
High Chrome 22 x 20- 46" Impeller		Length	69 Ft. 21.03 Mtr.
4 Vane w/Cleanout Intake Tee		Diameter	30 In. 76.2 Cm.
		Weight	22,000 lbs. ea. 9979.03 Kg. each
Main Engine		Spud Cylinders	
Caterpillar Industrial Diesel Engine		Size	8 In. Dia. 20.32 Cm. Dia.
Heat Exchanger cooled		Length	48 In. 121.92 Cm.
1,175 BHP Continuous Power @1,800 RPM		Stroke	48 In. 121.92 Cm.
		Spud Travel	16 Ft. 4.88 Mtr.
Auxiliary Power		Deck Mounted Jib Crane	
Caterpillar Industrial Diesel Engine		Capacity	3 Ton
Heat Exchanger Cooled		Reach	10 Ft. 3.05 Mtr.
385 BHP Intermittent Power		Operation	Manual
Gear		Swing Width (40 degrees each side)	
Twin Disc Manual Clutch		@ 10 Degree Digging Angle	136 Ft. 41.45 Mtr.
Integral Clutch		@ 60 Degree Digging Angle	98 Ft. 29.87 Mtr.
Heat Exchanger Cooled			
Options		Theoretical Production Rate	
		Medium Sand, 15 % solids	664 yds³/Hr 607.16 M³/Hr
		Medium Sand, 25% solids	1106 yds³/Hr 1011.33 M³/Hr

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