



Predator 3000-18 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	52 Ft. 15.8 Mtr.	Hydraulic Motor/Gear Reducer cutter drive	
Overall Length, ladder up	92 Ft. 28 Mtr.	Power at cutter shaft	150 HP
Pontoon Length	70 Ft. 21.3 Mtr.	Cutter Shaft Diameter	5 In. 12.7 Cm.
Width, Outside	22 Ft. 6.71 Mtr.	Cutter Speed	0-35 RPM
Depth, pontoons and hull	5 Ft. 1.52 Mtr.	Back Ring Diameter (I.D.)	43 In. 109.22 Cm.
Approx. Draft, with fuel	2.5 Ft. 0.76 Mtr.		
Working Depth (45 Deg)	37 Ft. 11.3 Mtr.	Winches	
Working Depth (60 Deg)	45 Ft. 13.7 Mtr.	Ladder: Line Pull	18,000 lbs. 8164.66 Kg.
Suction Pipe Diameter	20 In. 50.8 Cm.	Swing: Line Pull (x2)	18,000 lbs. 8164.66 Kg.
Discharge Pipe Diameter	18 In. 45.7 Cm.		
Dredge Pump		Spuds	
High Chrome 20x18- 46" Impeller		Length	58 Ft. 17.68 Mtr.
4 Vane w/Cleanout Intake Tee		Diameter	24 In. 60.96 Cm.
		Weight	16,000 lbs. ea. 7257.48 Kg. each
Main Engine		Spud Cylinders	
Caterpillar Industrial Diesel Engine		Size	6 In. Dia. 15.24 Cm. Dia.
Heat Exchanger cooled		Length	36 In. 91.44 Cm.
1,020 BHP Continuous Power @1,800 RPM		Stroke	30 In. 76.2 Cm.
		Spud Travel	12 Ft. 3.66 Mtr.
Auxiliary Power		Deck Mounted Jib Crane	
Caterpillar Industrial Diesel Engine		Capacity	3 Ton
Heat Exchanger Cooled		Reach	10 Ft. 3.05 Mtr.
325 BHP Intermittent Power		Operation	Manual
Gear		Swing Width (40 degrees each side)	
Twin Disc Manual Clutch		@ 10 Degree Digging Angle	117 Ft. 35.66 Mtr.
Integral Clutch		@ 60 Degree Digging Angle	85 Ft. 25.91 Mtr.
Heat Exchanger Cooled			
Options		Theoretical Production Rate	
		Medium Sand, 15 % solids	535 yds ³ /Hr 489.20 M ³ /Hr
		Medium Sand, 25% solids	891 yds ³ /Hr 814.73 M ³ /Hr

Pioneer Dredge Inc. Jacksonville, FL - U.S.A. Tel: +1 904 503 9776 Email: sales@pioneedredge.com

www.PioneerDredge.com