



20" x 20" (500 mm x 500 mm) Hydraulic Cutter Suction Dredge

The Series 2070 Dragon® cutterhead dredge is both portable and truckable to inland locations. In addition, the dredge is capable of dredging up to 50' (15 m). Features include:

- Most modern 20" dredge design in the world that incorporates Ellicott's world-renowned design techniques.
- The 2070 is able to dredge up to 50' (15 m) depth, allowing it to work in major shipping channels.
- Hydraulic system was designed with a focus on efficiency resulting in lower fuel consumption and higher dredging systems performance.
- Two separate engines that operate independently to drive the pump and hydraulic system. This allows full hydraulic power to the cutter and winches even when RPMs are reduced on the pump—something single engines cannot do.
- Designed to Bureau of Veritas (B.V.) Sheltered Water Rules and is suitable for a variety of applications including harbors, rivers, and sand mining projects

	2070 English	2070 Metric
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GENERAL	Suction Pipe x Discharge Pipe	20" x 20"	500 mm x 500 mm
	Dredging Depth, Maximum	50'	15 m
	Length, Overall (with Ladder Raised)	110'-10"	33.8 m
	Length, Hull	72'	21.8 m
	Width, Hull (including Side Pontoons)	26'-6"	8 m
	Depth, Hull	7'-6"	23 m
	Number of Pontoons (Tanks)	3	
	Plate Thickness of Center Pontoon	1 /4" & 5/16"	6 & 8 mm
	Dry Weight	324,000 lbs	146,940 kg
	Hull Draft (not Including Spuds)	4.5'	1.37 m
Fuel Capacity	9,000 gallons	34,068 liters	
Swing Width @ Minimum Dredging Depth	138'-4"	42.2 m	
Swing Width @ Maximum Dredging Depth	111'-4"	33.9 m	
ENGINES	Main Engine (Caterpillar)	Marine C-32	
	Power	1,300 HP	969 kW
	Rating	Tier 3	
	Cooling	Heat Exchanger	
	Auxiliary Engine (Caterpillar)	C-15	
	Power	440 HP	328 kW
TOTAL INSTALLED POWER	Rating	Tier 3	
	Cooling	Heat Exchanger	
	Not Including Standard Genset	1,740 HP	1,298 kW
CUTTER DRIVE	Power at Cutter Shaft	250 HP	186 kW
	Cutter Speed	18-27-36 RPM	
	Cutter Diameter	54"	1,372 mm
	Cutting Force	14,900 lbs	6,759 kg
SPUDS	Diameter	24"	.6 m
	Length	66'-2"	20 m
	Preliminary Specifications are Subject to Change Without Notice		