



The 2070 is a 20 inch (500mm) dredge is designed to be portable and truckable to inland locations. The dredge uses separate and dedicated engines to drive the dredge pump and hydraulic system independently which allows for full hydraulic power to the cutter and winches even when reduced RPM's on the pump are called for – something single-engine dredges cannot do

- The 2070 is able to dredge up to 50' (15 m) depth, allowing it to work in major shipping channels.
- Most modern 20" dredge design in the world that incorporates Ellicott's world renowned design techniques.
- The hydraulic system was designed with a focus on efficiency which results in lower fuel consumption and higher dredging systems performance.
- The 2070 offers very high production rates for a portable dredge, yet is built to be very robust and reliable.
- Designed to Bureau Veritas (B.V.) Sheltered Water Rules it is suitable for a variety of applications including harbor, river and waterway dredging, land reclamation, and sand mining.

**2070**  
**English**

**2070**  
**Metric**

	2070 English	2070 Metric	
<b>GENERAL</b>	Discharge pipe x Suction pipe	20" x 20"	500 x 500
	Dredging Depth, Maximum	50'	15 m
	Length, Overall, with Ladder Raise	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	3
	Plate Thickness of center pontoon	1/4" & 5/16"	6 & 8
	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 litres	
Swing Width @ minimum Dredging Depth	138'-4"	42.2 m	
Swing Width @ maximum Dredging Depth	111'-4"	33.9 m	
<b>ENGINES</b>	Main Engine (Caterpillar)	Marine C-32	Marine C-32
	Power	1300 HP	969 KW
	Rating	Tier 3	Tier 3
	Cooling	Heat Exchanger	Heat Exchanger
<b>TOTAL INSTALLED POWER</b>	Auxiliary Engine (Caterpillar)	C-15	C-15
	Power	440 HP	328 KW
	Rating	Tier 3	Tier 3
	Cooling	Heat Exchanger	Heat Exchanger
<b>CUTTER DRIVE</b>	Not including optional Genset	1,740 HP	1,298 KW
	Power at Cutter Shaft	250 HP	186 KW
	Cutter Speed	18-27-36 RPM	18-27-36 RPM
	Cutter Diameter	54"	1372
	Cutting Force	14,900	6,759
<b>SPUDS</b>	Diameter	24"	.6 m
	Length	66'-2"	20 m
<b>PRODUCTION</b>	Capacity Range of Pumping System	up to 1,200 yd <sup>3</sup> /hr	up to 1,000 m <sup>3</sup> / hr