



18" x 18" (450 mm x 450 mm) Hydraulic Cutter Suction Dredge

The Series 1270 Dragon® cutterhead dredge offers good production rates for dredging depths up to 50' (15 m). Features include:

- Equipped with two separate diesel engines, one of which is totally dedicated to the dredge pump for optimal production.
- Compact design allows for rapid deployment and mobilization. Fairly easy to tow and maneuver in confined areas.
- As the capital cost is relatively low, the dredge does not have to operate 24 hours a day to pay of the investment.
- With a moderate physical size and emphasis on simple, straightforward controls, training is easy. It can be operated by a crew not exclusively dedicated to the dredge.
- Dredge productivity in confined dredging areas may be increased substantially with the optional spud carriage feature.
- Typical uses of the 1270 are medium size navigation projects in ports, harbors, rivers, and inland waterways.

	1270 English	1270 Metric
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GENERAL	Suction Pipe x Discharge Pipe	18" x 18"	450 mm x 450 mm
	Dredging Depth, Maximum	50'	15 m
	Length, Overall (with Ladder Raised)	98'-6"	29.7 m
	Length, Hull	68'	20.7m
	Width, Hull (including Side Pontoons)	30'	9.1 m
	Depth, Hull	4'-6"	1.4 m
	Number of Pontoons (Tanks)	3	
	Plate Thickness of Center Pontoon	1/4" & 5/16"	6 & 8 mm
	Dry Weight	221,000 lbs	100,244 kg
	Hull Draft (not Including Spuds)	2'-10"	0.86 m
Fuel Capacity	10,600 gallons	40,125 liters	
Swing Width @ Minimum Dredging Depth	125'	39.8 m	
Swing Width @ Maximum Dredging Depth	92'	27.9 m	
ENGINES	Main Engine (Caterpillar)	C 32	
	Power	800 HP	597 kW
	Rating	Marine Tier 3	
	Cooling	Heat Exchanger	
	Auxiliary Engine	C 9	
	Power	375 HP	280 kW
TOTAL INSTALLED POWER	Rating	Marine Tier 3	
	Cooling	Heat Exchanger	
CUTTER DRIVE	Not Including Standard Genset	1,175 HP	877 kW
	Power at Cutter Shaft	155 HP	116 kW
	Cutter Speed	29-42 RPM	
	Cutter Diameter	54"	1,372 mm
SPUDS	Cutting Force	7,991 lbs	3,625 kg
	Diameter	18'	457 m
	Length	65'	1,937 m
Preliminary Specifications are Subject to Change Without Notice			