



The 1270 is an 18" (450 mm) cutterhead dredge that offers good production rates for dredging depths up to 50' (15 m). It incorporates the following features:

- Dredge is equipped with two (2) separate diesel engines, with one (1) totally dedicated to the dredge pump for high production rates.
- The 1270 is relatively compact and is fairly easy to tow and maneuver in confined areas. It can be rapidly mobilized and deployed.
- As the capital investment cost is relatively low, its acquisition can be justified based on low utilization rates.
- With a moderate physical size and emphasis on simple, straightforward controls, training is easy. It can be operated by a crew that is not exclusively dedicated to the dredge.
- Dredge productivity can be increased substantial in confined area dredging with the use of an optional spud carriage.

Typical uses of the 1270 are medium size navigation projects in ports, harbors rivers, and inland waterways.

		1270	1270
		English	Metric
GENERAL	Discharge pipe x Suction pipe	18" x 18"	450 x 450
	Dredging Depth, maximum	50'	15 m
	Length, Overall, with ladder raised	98'-6"	29.7 m
	Length, Hull	68'	20.7 m
	Width, Hull, including side pontoons	30'	9.1 m
	Depth, Hull	4'-6"	1.4 m
	Number of Pontoons (tanks)	3	3
	Plate Thickness of center pontoon	1/4" & 5/16"	6 & 8
	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'	39.9 m	
Swing Width @ maximum Dredging Depth	92'	27.9 m	
ENGINES	Main Engine (Caterpillar)	C32	C-32
	Power	1000 HP	746 kW
	Rating	Marine Tier 3	Marine Tier 3
	Cooling	Heat Exchanger	Heat Exchanger
TOTAL INSTALLED POWER	Auxiliary Engine (Caterpillar)	C-9	C-9
	Power	350 HP	261 kW
	Rating	Tier 3	Tier 3
	Cooling	Radiator	Radiator
CUTTER DRIVE	Not including optional Genset	1350 HP	1007 kW
	Power at Cutter Shaft	155 HP	116 kW
	Cutter Speed	29 - 42 RPM	29-42 RPM
	Cutter Diameter	54"	1372
SPUDS	Cutting Force	7,991 lbs	3,625 kg
	Diameter	18"	457
PRODUCTION	Length	65'	19.7 m
	Capacity Range of Pumping System	up to 600 yds ³ /hr up to 500 m ³ /hr	