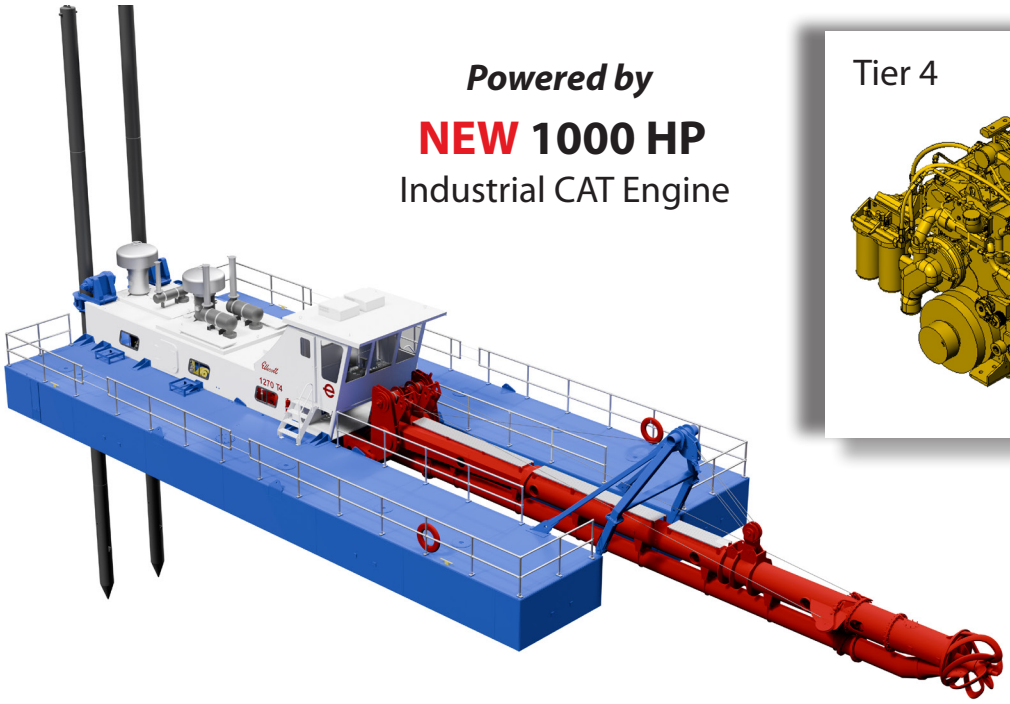
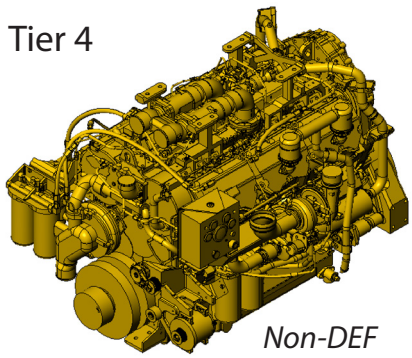
Series 1270T4 Dragon® Dredge



Powered by

NEW 1000 HP

Industrial CAT Engine



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

The Series 1270T4 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 off 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 1270T4 are medium size navigation projects in ports, harbors, rivers, and inland waterways.

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Series 1270T4 Dragon® Dredge

		1270 English	1270 Metric
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"	30 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	
	Plate Thickness of Center Pontoon	1/4" & 5/16"	6 & 8 mm
	Dry Weight	226,500 lbs	102,739 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'	38 m
	Swing Width @ Maximum Dredging Depth	92'	28 m
ENGINES			
	Main Engine (Caterpillar)	C 32B	
	Power	1,000 HP	746 kW
	Rating	Tier 4 Industrial	
	Cooling	Heat Exchanger	
	Auxiliary Engine (Caterpillar)	C 9.3	
	Power	369 HP	275 kW
	Rating	Tier 3 Marine	
	Cooling	Heat Exchanger	
TOTAL INSTALLED POWER			
	Not Including Standard Genset	1,375 HP	1,021 kW
CUTTER DRIVE	Power at Cutter Shaft	155 HP	116 kW
	Cutter Speed	29-42 RPM	
	Cutter Diameter	54"	1,372 mm
	Cutting Force	7,991 lbs	3,625 kg
SPUDS	Diameter	18"	457 mm
	Length	65'	19.8 m
	Preliminary Specifications are Subject to Change Without Notice		

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