Series 860SL
Swinging Dragon® Dredge

14" x 14" (350 mm x 350 mm) Hydraulic Cutter Suction Dredge

The Series 860SL **SWINGING DRAGON®** cutterhead dredge is a combination swinging ladder and conventional cutter suction dredge. Features include:

- Swinging ladder mode allows for use in narrow channels and eliminates the need for cables and anchors.
- The conventional dredging mode allows for wider swing widths for optimal precision cut and production efficiency.
- Portable and easily assembled with little effort on site.
- Fully enclosed machinery provides protection and ample room for routine maintenance.
- Heavy-duty design for handling most challenging conditions, in depths up to and including 30 ft. (9 m)
- Powerful pumping capacity: CAT 800 HP (596 kW) and 100 HP (75 kW) cutter with 12" (300 mm) or 14" (350 mm) dredge pump.
- For use in mining, sand and gravel, reservoir sediment removal and medium-sized navigational and waterway maintenance projects.

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Swinging Dragon® Dredge

		860SL English	860SL Metric
GENERAL	Suction Pipe x Discharge Pipe	14" x 14"	350 mm x 350 mm
	Dredging Depth. Maximum	30'	9.1 m
	Length, Overall (with Ladder Raised)	85'	25.9 m
	Length, Hull	60'	14.3 m
	Width, Hull (including Side Pontoons)	28'	8.5 m
	Depth, Hull	4'	1.2 m
	Number of Pontoons (tanks)	3	
	Plate Thickness of Center Pontoon	1/4"	6 mm
	Dry Weight	144,000 lbs	65,317 kg
	Hull Draft (not Including Spuds)	2'-6"	0.76 m
	Fuel Capacity	1,000 gallons	3,785 liters
	Swing Width @ Minimum Dredging Depth (Swing Ladder Mode)	29'-8"	9 m
	Swing Width @ Maximum Dredging Depth (Conventional Mode)	89'	27.1 m
ENGINE AND INSTALLED POWER	Main Engine (Caterpillar)	C-32	
	Power	800 HP	596 kW
	Rating	Tier 3	
	Cooling	Box Cooler	
CUTTER DRIVE	Power at Cutter Shaft	100 HP	75 kW
	Cutter Speed	0-35 RPM	
	Cutter Diameter	43"	1,092 mm
	Cutting Force	7,405 lbs	3,358 kg
SPUDS AND SPUD CARRIAGE	Size	10"	250 mm
	Length	43'	13 m
	Spud Carriage Stroke	5'	1.5 m
	Specifications Are Subject to Change Without Notice		

Rev. 7/29/19

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