



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
- Heavy-duty design for handling most challenging conditions, in depths up to and including 30 ft. (9 m)
- Powerful pumping capacity: CAT 875 HP (653 kW) and 100 HP (74 kW) cutter and 12" and 14" dredge pumps
- For use in mining, sand and gravel, reservoir sediment removal and medium-sized navigational and waterway maintenance projects.



Series 860SL Swinging Dragon® Dredge

860SL
English

860SL
Metric

| | | 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) | 27'-10" | 6.8 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 |
| | ENGINE AND INSTALLED POWER | Swing Width @ Minimum Dredging Depth (Swing Ladder Mode) | 29'-8" |
| Swing Width @ Maximum Dredging Depth (Conventional Mode) | | 89' | 27.1 m |
| Main Engine (Caterpillar) | | C-27 | |
| Power | | 875 HP | 653 kW |
| Rating | | Tier 3 | |
| CUTTER DRIVE | Cooling | Box Cooler | |
| | Power at Cutter Shaft | 100 HP | 75 kW |
| | Cutter Speed | 0-36 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