



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 | 1,000 HP | 746 kW |
| | Rating | Marine Tier 3 | |
| | Cooling | Heat Exchanger | |
| | Auxiliary Engine | C-9 | |
| | Power | 350 HP | 261 kW |
| TOTAL INSTALLED POWER | Rating | Tier 3 | |
| | Cooling | Radiator | |
| CUTTER DRIVE | Not Including Standard Genset | 1,350 HP | 1,007 kW |
| | 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 m |
| | Length | 65' | 1,937 m |
| Preliminary Specifications are Subject to Change Without Notice | | | |