Swinging Ladder Dredges

### 360 SL Swinging Dragon® Dredge
- 8” pumping system and 15’ digging depth
- Economical and highly transportable
- Optional swing winches for conventional operation

### 460 SL Swinging Dragon® Dredge
- 10” pumping system and 20’ digging depth
- Rugged heavy-duty construction
- Can be outfitted with swing winches for conventional operation

### 860 SL Swinging Dragon® Dredge
- 12” or 14” pumping system and 30’ digging depth
- Swing winches are standard for dual mode operation
- Integral spud carriage

<table>
<thead>
<tr>
<th>Dredge Model</th>
<th>360 SL</th>
<th>460 SL</th>
<th>860 SL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Discharge Diameter</td>
<td>8” (200 mm)</td>
<td>10” (250 mm)</td>
<td>14” (350 mm)</td>
</tr>
<tr>
<td>Max. Digging Depth</td>
<td>15’ (4.6 m)</td>
<td>20’ (6.1 m)</td>
<td>30’ (9 m)</td>
</tr>
<tr>
<td>Total Power</td>
<td>375 HP (280 kW)</td>
<td>440 HP (330 kW)</td>
<td>800 HP (600 kW)</td>
</tr>
<tr>
<td>Pump Power</td>
<td>290 HP (215 kW)</td>
<td>320 HP (240 kW)</td>
<td>625 HP (470 kW)</td>
</tr>
<tr>
<td>Cutter Power</td>
<td>40 HP (30 kW)</td>
<td>40 HP (30 kW)</td>
<td>80 HP (60 kW)</td>
</tr>
</tbody>
</table>
370 HP Dragon® Dredge

- Designed for easy transport, handling and set-up
- Heavy-duty construction and components
- Versatile usage for a wide variety of applications

670 Dragon® Dredge

- Similar great features as the 370 but in larger size with higher production rates
- Simple and fast assembly with minimal effort
- Full length side tanks provide stability and added deck space

870 JD Jet Dragon® Dredge

- Digging depth to 60 ft. (18 m)
- Unique Jet Suction Assist allows for high production at any digging depth
- No submerged ladder pump—keeps maintenance simple

<table>
<thead>
<tr>
<th>Dredge Model</th>
<th>370 HP</th>
<th>670</th>
<th>870 JD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Discharge Diameter</td>
<td>10” (250 mm)</td>
<td>14” (350 mm)</td>
<td>14” (350 mm)</td>
</tr>
<tr>
<td>Max. Digging Depth</td>
<td>20-42’ (6-13 m)</td>
<td>33-42’ (10-13 m)</td>
<td>50’ (15.2 m)</td>
</tr>
<tr>
<td>Total Power</td>
<td>440 HP (330 kW)</td>
<td>800 HP (600 kW)</td>
<td>960 HP (715 kW)</td>
</tr>
<tr>
<td>Pump Power</td>
<td>320 HP (240 kW)</td>
<td>560 HP (420 kW)</td>
<td>575 HP (430 kW)</td>
</tr>
<tr>
<td>Cutter Power</td>
<td>40 HP (30 kW)</td>
<td>100 HP (75 kW)</td>
<td>100 HP (75 kW)</td>
</tr>
</tbody>
</table>
Portable Cutterhead Dredges

1270 Dragon® Dredge

- High production with dedicated engine for pumping system
- Separate engine for hydraulic system
- Used in a variety of applications including coastal, river dredging, and sand and gravel mining

<table>
<thead>
<tr>
<th>Dredge Model</th>
<th>1270</th>
<th>2070</th>
</tr>
</thead>
<tbody>
<tr>
<td>Discharge Diameter</td>
<td>18” (450 mm)</td>
<td>20” (500 mm)</td>
</tr>
<tr>
<td>Max. Digging Depth</td>
<td>50’ (15.2 m)</td>
<td>50’ (15.2 m)</td>
</tr>
<tr>
<td>Total Power</td>
<td>1350 HP (1010 kW)</td>
<td>1740 HP (1300 kW)</td>
</tr>
<tr>
<td>Pump Power</td>
<td>1000 HP (750 kW)</td>
<td>1200 HP (895 kW)</td>
</tr>
<tr>
<td>Cutter Power</td>
<td>155 HP (115 kW)</td>
<td>250 HP (190 kW)</td>
</tr>
</tbody>
</table>

2070 Dragon® Dredge

- Optional spud carriage and anchor booms
- Separate engines for dredge pump and hydraulic system and generator
- Ideal for river dredging, port applications and land reclamation
3870 Super-Dragon® Dredge

- Innovative catamaran hull design
- Ladder pump driven directly by diesel engine via pivoting gearbox
- High production rates from submerged dredge pump
- Standard spud carriage

<table>
<thead>
<tr>
<th>Dredge Model</th>
<th>3870</th>
<th>4170</th>
</tr>
</thead>
<tbody>
<tr>
<td>Discharge Diameter</td>
<td>26” (650 mm)</td>
<td>24” (600 mm)</td>
</tr>
<tr>
<td>Max. Digging Depth</td>
<td>60’ (18 m)</td>
<td>60’ (18 m)</td>
</tr>
<tr>
<td>Total Power</td>
<td>3750 HP (2800 kW)</td>
<td>4070 HP (3040 kW)</td>
</tr>
<tr>
<td>Pump Power</td>
<td>2450 HP (1825 kW)</td>
<td>2560 HP (1910 kW)</td>
</tr>
<tr>
<td>Cutter Power</td>
<td>600 HP (450 kW)</td>
<td>750 HP (560 kW)</td>
</tr>
</tbody>
</table>

4170 Super-Dragon® Dredge

- Heavy-duty, long life design
- Available as single welded monohull design or 6 piece dismountable hull
- Optional spud carriage and anchor booms
Custom Dredges and Special Features

Large Custom Dredges

Greater than 24” discharge

- For major capital dredging projects
- Up to 15,000 HP (11,250 kW)
- For very high output - up to 82’ (25 m) digging depth

Coastal Dragon® Dredges

Hulls with additional freeboard

- Suitable for coastal service

Wheel Dragon® Dredges

Dual Wheel Excavators

- Excellent excavation device for hard materials
- Extremely high recovery rates make it standard excavator for many mining applications

Electric Dredges

Available in all sizes

- Built to meet any customer or Ellicott specifications
Pump Barges

Ellicott offers custom pumping solutions and operating platforms for dredges, barges, boosters, e-houses and substations configured to client’s requirements. We offer various products and services.

Pumps
- Vertical Cantilever
- Submerged
- Dredge

Power Delivery Options
- Electric
- Diesel
- Combination Drives

Engineering Services
- Professional Engineers
- Naval Architects
- Weight/Stability
- Electrical
- Mechanical
- I & C
- Process

Quality Assurance
- Code Compliance (CSA, CEC, ABC, TC, etc.)
- Manufacturing Controls (WPS, MTR, Witnessed Testing, etc.)

Custom Auxillary Systems
- Hydraulics
- HVAC
- Cooling Systems
- Heat Trace and De-Icing Systems
- Marine Cranes

Materials Handled
- Water
- Recycled Water (RCW)
- Mature Fine Tailings (MFT)
- Thin Fine Tailings (TFT)

Turn-Key Integration
- Automation Controls
- Custom Manufacturing and Delivery Solutions

Booster Pumps

Ellicott’s heavy-duty booster pump stations are designed and built for high efficiency in a wide range of dredging conditions. Each booster station adds head to the pumping system so the dredge can maintain optimum production at longer pipeline distances.

- 325 HP - 2,000 HP
- Standard units available in 10-20” (250 - 600mm)
- Skid mounted or floating
- Electric or diesel
Purchasing a dredge is a major decision. Choosing the right size and model is important, but so is selecting the company who builds it. The supplier should support you with service, parts, training, and upgrades, all necessary to keep the dredge operating efficiently for 25 years or more. Ellicott has a long history of living up to these expectations, and its dredges have proven to be sound investments.

This tradition started in 1885 when Charles Ellicott started a machine shop in the growing city of Baltimore, Maryland. Business thrived, and in 1888 he was approached by a local contractor and asked to design and build new machinery for a dredge that was struggling in nearby Washington, DC. At that time, hydraulic dredging was still in its infancy and effective designs were still being explored.

Combining his engineering knowledge and manufacturing expertise, Mr. Ellicott supplied one of the first true dredge pumps and other specialized components. This retrofitted dredge was productive, reliable and well suited to its task. Word got around and soon others started coming to Mr. Ellicott for complete dredges.

By 1907 the U.S. Corps of Engineers took notice and purchased four dredges for the largest construction project ever undertaken—the Panama Canal. The successful performance of these machines led to “Ellicott” becoming a name known all over the world for strong, capable, and versatile dredges.

Ellicott has grown to become one of the world’s largest dredge manufacturers, and while its products incorporate the best available technology, they are sold under the basic principles established by Mr. Ellicott over a century ago:

• Supply dredges designed to meet the customer’s requirements and build them to the highest standards
• Provide training and continuous service for every dredge

This tradition of offering modern, efficient, and well-built dredges continues today as Ellicott dredges find their way to all corners of the world.