The Series 870JD JET DRAGON® cutterhead dredge is a unique deep digging dredge for obtaining sand and other materials at reasonably deep depths. Features include:

- Highly portable for trucking to inland locations.
- Jet pump assist allows for high production rate in deep digging applications without the complications of a ladder pump.
- State-of-the-Art PLC-based control system.
- Dual water nozzles at cutter assists in cleaning and dislodging material.
- Pumping capacity powered by 575 HP (431 kW) engine with 100 HP (74 kW) cutter drive and 385 HP (289 kW) auxiliary engine.
- Typical uses include sand and gravel mining, land reclamation and smaller contractor applications.
### GENERAL

<table>
<thead>
<tr>
<th>Specification</th>
<th>English</th>
<th>Metric</th>
</tr>
</thead>
<tbody>
<tr>
<td>Suction Pipe x Discharge Pipe</td>
<td>14” x 14”</td>
<td>350 mm x 350 mm</td>
</tr>
<tr>
<td>Dredging Depth, Maximum</td>
<td>60'</td>
<td>18.2 m</td>
</tr>
<tr>
<td>Length, Overall (with Ladder Raised)</td>
<td>106'-6”</td>
<td>32.5 m</td>
</tr>
<tr>
<td>Length, Hull</td>
<td>65'</td>
<td>15.3 m</td>
</tr>
<tr>
<td>Width, Hull (including Side Pontoons)</td>
<td>22'</td>
<td>6.7 m</td>
</tr>
<tr>
<td>Depth, Hull</td>
<td>4'</td>
<td>1.22 m</td>
</tr>
<tr>
<td>Number of Pontoons (Tanks)</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>Plate Thickness of Center Pontoon</td>
<td>1/4&quot;</td>
<td>6 mm</td>
</tr>
<tr>
<td>Dry Weight</td>
<td>167,000 lbs</td>
<td>75,749 kg</td>
</tr>
<tr>
<td>Hull Draft (not Including Spuds)</td>
<td>3'-1&quot;</td>
<td>0.96 m</td>
</tr>
<tr>
<td>Fuel Capacity</td>
<td>2,700 gallons</td>
<td>10,221 liters</td>
</tr>
<tr>
<td>Swing Width @ Minimum Dredging Depth</td>
<td>130'</td>
<td>39.4 m</td>
</tr>
<tr>
<td>Swing Width @ Maximum Dredging Depth</td>
<td>97'</td>
<td>29.4 m</td>
</tr>
</tbody>
</table>

### ENGINES

<table>
<thead>
<tr>
<th>Engine Type</th>
<th>C-18</th>
<th>C-13</th>
</tr>
</thead>
<tbody>
<tr>
<td>Main Engine (Caterpillar)</td>
<td>Power</td>
<td>Rating</td>
</tr>
<tr>
<td>Power</td>
<td>575 HP</td>
<td>Tier 3</td>
</tr>
<tr>
<td>Cooling</td>
<td>Radiator</td>
<td></td>
</tr>
<tr>
<td>Auxiliary Engine (Caterpillar)</td>
<td>Power</td>
<td></td>
</tr>
<tr>
<td>Power</td>
<td>385 HP</td>
<td></td>
</tr>
<tr>
<td>Rating</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cooling</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Radiator</td>
<td></td>
<td></td>
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</tbody>
</table>

### TOTAL INSTALLED POWER

<table>
<thead>
<tr>
<th>Specification</th>
<th>960 HP</th>
<th>720 kW</th>
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</thead>
<tbody>
<tr>
<td>Not Including Optional Genset</td>
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</table>

### CUTTER DRIVE

<table>
<thead>
<tr>
<th>Specification</th>
<th>100 HP</th>
<th>75 kW</th>
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</thead>
<tbody>
<tr>
<td>Power at Cutter Shaft</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cutter Speed</td>
<td>0-36 RPM</td>
<td></td>
</tr>
<tr>
<td>Cutter Diameter</td>
<td>43”</td>
<td>1,092 mm</td>
</tr>
<tr>
<td>Cutting Force</td>
<td>7,405 lbs</td>
<td>3,358 kg</td>
</tr>
</tbody>
</table>

3 Way Stern Wire System (in Lieu of Spuds)

Specifications Are Subject to Change Without Notice

Rev. 7/29/19