Hydraulic Excavator Pump Attachment - 12 Inch

**MODEL #**
12-Inch EXH 12000 Hydraulic Excavator Attachment

<table>
<thead>
<tr>
<th>OPERATING LEVELS</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>MIN FLOW</td>
<td>1800 GPM</td>
</tr>
<tr>
<td>MAX FLOW</td>
<td>7000 GPM</td>
</tr>
<tr>
<td>HEAD RANGE</td>
<td>Up to 200 ft</td>
</tr>
<tr>
<td>DISCHARGE SIZE</td>
<td>12 inch</td>
</tr>
<tr>
<td>SUCTION SIZE</td>
<td>14 inch</td>
</tr>
<tr>
<td>SOLIDS HANDLING</td>
<td>Solids up to 11 inches</td>
</tr>
<tr>
<td>MAX SPEED</td>
<td>1800 RPM</td>
</tr>
<tr>
<td>PERCENT SOLIDS</td>
<td>Up to 40-70% Solids</td>
</tr>
<tr>
<td>CU YD MATERIAL HR</td>
<td>500-600</td>
</tr>
</tbody>
</table>

**RECOMMENDED SENSORS**

- Hydraulic Pressure Gauge for pumps and cutter head circuit to operator (0-6000 PSI)
- Magnetic Flow meter to maintain stable plug free pipeline flow and maximize production

**REQUIRED EQUIPMENT TO OPERATE ATTACHMENT**

- EDDY Pump circuit requirements from excavator auxiliary power OR from Hydraulic Power Unit 160 GPM at 5000 PSI (700cc motor)
- Cutterhead circuit requirements from excavator auxiliary power OR from Hydraulic Power Unit 20-28 GPM at 5000 PSI (2150cc motor)
- 12" material handling discharge hose and hydraulic lines plumbed out to the end of the boom
- Crossover check valve to prevent damage to hydraulic motor and prevent pump rotor from coming off
- Minimum excavator required 40-ton min, 400 Series (See OEM boom specs to verify.)

**MAXIMUM LINKAGE CROSS SECTION**

**STANDARD PIN SIZING**

<table>
<thead>
<tr>
<th>PART #</th>
<th>SIZE</th>
</tr>
</thead>
<tbody>
<tr>
<td>12877</td>
<td>Ø 90 MM</td>
</tr>
<tr>
<td>06661</td>
<td>Ø 100 MM</td>
</tr>
<tr>
<td>01042</td>
<td>Ø 110 MM</td>
</tr>
</tbody>
</table>

*CUSTOM SIZES AVAILABLE UPON REQUEST*
EDDY Pump industrial Excavator Dredge Pump Attachments are non-clog pumps designed for high solids industrial pumping applications. Our patented pump technology outperforms all centrifugal, vortex and positive displacement pumps in a variety of the most difficult pumping applications.

Available in alternative power options and pump sizes depending on your application.

**Applications**
- Mining
- Chemical
- Sand & Agg
- Oil and Gas
- Paper & Pulp
- Fly Ash & Coal Ash

**Features and Benefits**
- Non-Clog, High Viscosity, High Specific Gravity, High Abrasives, Low pH Pumping Design
- Transport 40-70% Solids
- Ability to pump objects of up to 9-inches in diameter

**Fluid Pumped**
- Sludge
- Slurry
- Drilling Mud
- Mine Tailings
- Grit
- Sand Mixtures

**GENERAL SPECS**

<table>
<thead>
<tr>
<th>Overall Weight (without optional equipment)</th>
<th>9,500 lbs</th>
<th>4,310 kg</th>
</tr>
</thead>
</table>

**12" DISCHARGE FLANGE**
12 BOLT 150# CLASS

**14" SUCTION FLANGE**
12 BOLT 150# CLASS

WE PUMP SOLIDS, NOT WATER
## Optional Equipment to Enhance Operation of Dredge

<table>
<thead>
<tr>
<th>Equipment Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Magnetic flow meter</td>
<td></td>
</tr>
<tr>
<td>Discharge line pressure gauge (0-150 psi)</td>
<td></td>
</tr>
<tr>
<td>“Quick Prime” Valve</td>
<td>(requires small 24 volt air system)</td>
</tr>
<tr>
<td>Pivot mounted Discharge hose carrier</td>
<td>(adaptable to most machines)</td>
</tr>
<tr>
<td>Recirculation system</td>
<td>(for pre-mixing applications, requires small 24 volt air system)</td>
</tr>
</tbody>
</table>

### Diagrams

- **Standard Cutter Head**
- **Self-Cleaning Head**
- **Water Jetting Ring**
- **Liner-Safe Wheels**
- **Auger Head**
- **Re-Circulation**
- **Extended Cutter Head**
- **Mixer Heads**
**PUMP CURVE**

A pump curve is a graphical representation of a pump's ability to produce flow against a certain head. The science is matching a curve that is accurate for your project, leading to the proper pump selection and best efficiency. **EDDY Pumps** are primarily used for high solids, slurry, sludge, and dewatering.

**EDDY Pump - 12 Inch** HD 12000 Heavy Duty Slurry Pump - Pump Curve

*General pump curve based on water with 900 RPM motor. Contact us with your specific material for a custom pump curve.*

**WE PUMP SOLIDS, NOT WATER**

**CONTACT US**

(619) 258-7020

info@EddyPump.com