

Hauler Sand and Slurry Pump

Hydraulic Dredge Pumps



DAEPUMPS.COM

info@daepumps.com

(760) 821-8112

The **DAE Pumps Hauler Hydraulic Sand and Slurry Pump** is the industry's most robust dredge pump. Move more material per minute than traditional dredging and accomplish more in a day's work than ever before. Capable of move 8800 GPM of material with 30% solids, this heavy duty dredge pump allows you to complete projects ahead of schedule and save you money. The Hauler series pump provides the versatility you need for your next dredging project.

Heavy-duty dredging requires a heavy duty dredge pump. The Hauler series pump's rugged and durable design processes a wide range of slurries and abrasive particles in submersible applications. The Hauler series pump operates by a hydraulic driven pump with impeller and two hydraulic driven cutter heads mounted on the sides with excavator grade teeth. The agitation cutter heads breakup clay, rocks, and other sediments. Made from high chrome alloy, this durable pump is abrasion resistant to handle the hardest elements.

The dual connection Hauler series dredge pumps provides exceptional versatility in dredging capabilities. Connect to the boom on an excavator or hang by cables from a crane, these are the industry's most flexible dredge pump. The Hauler series pump operational reach is limited to the length of the excavator's boom. Use on a floating dredge, this versatile dredger processes the underwater sediments that cannot be reached from shore. As a cable deployed attachment, the Hauler series pump is remotely controlled for full operational management.

The heavy-duty excavator cutter heads enable the pump to unearth very compact material, ensuring the continuous feeding of the suction pump. The agitator and optional cutter knife inside the pump chop all types of organic material like seaweed, grass, and other aquatic weeds to ensure maximum suction power.



up to
8800 GPM
& **30% SOLIDS**



3-INCH to
16-INCH
PUMPS



pH VALUES
from **3 to 4**



SOLIDS
handling up
to **2.3" in.**



Excavator Dredge Pump Attachment



Cable Deployed Dredge Pump



Heavy-Duty Pumps

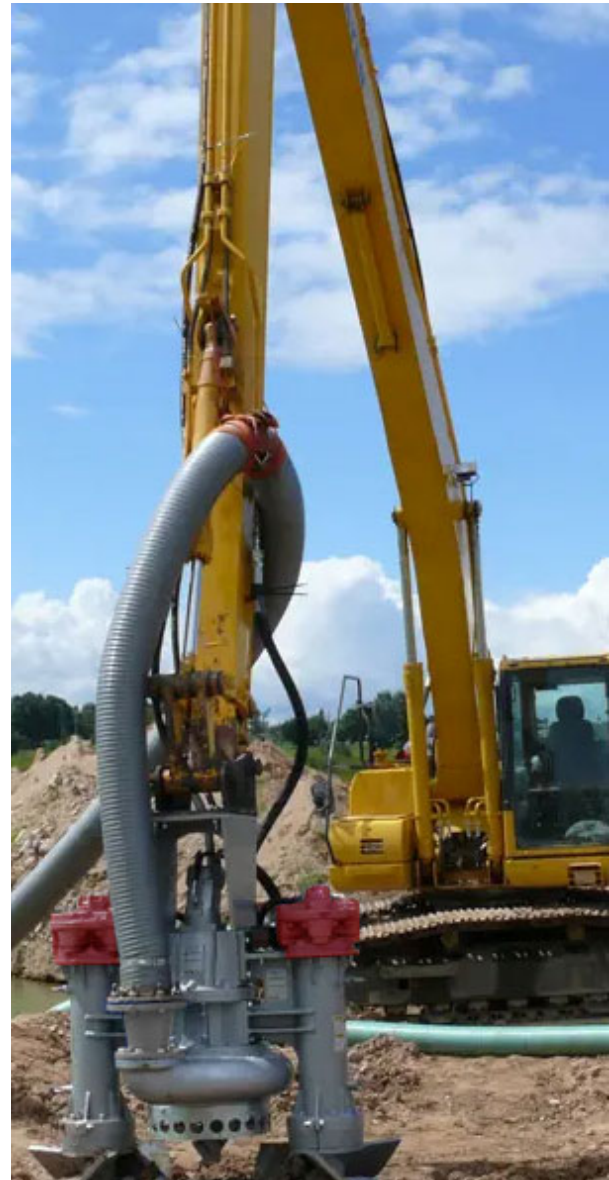
Features:

- Multiple Size Pumps Options: 3", 4", 6", 8", 10", & 12", 14", and 16"
- Up to 8800 GPM / 2000 Cubic Meter Per Hour
- Pumps up to 30% Solids
- Depth up to 250m
- Connects to Cables and Excavators
- Handles pH levels of 3 to 14
- Large Solids Handling Capability Up To 2.3-Inches
- Highly Durable and Abrasion Resistant in Difficult Operating Environments
- Superior Corrosive Wear Life
- Robust Motor for Strong Torque and Long Life
- Interchangeable Hard Tooth Cutter Heads
- Enclosed Impeller for Higher Efficiency

Industrial Strength Cutter Heads

Features:

- 2-Cutter Heads for Breaking-up Material
- Multiple Power Options: 4 kW, 5.5 kW, 7.5 kW, 11 kW, and 15 kW
- Built from High Chrome Alloy
- Excavator Style Teeth for Agitating & Loosening Sediment

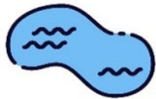


Dredging Applications



Dredge Mining:

The type of excavation where natural resources from a river, man-made ponds, or near the shorelines are pumped directly into mining separation plants for processing. Dredge mining is also used for cleaning out sedimentation and aquatic vegetation.



Lakes and Rivers Dredging:

Clean energy and clean drinking water require the dredging of lakes and rivers to ensure better, cleaner hydropower and the removal of sediments and aquatic vegetation for cleaner drinking water.



Coastal and Environmental Protection Dredging:

Dredging ensures the safety and protection of the coastline and environment. Tending to the erosion and flooding of land and cleaning up pollutants and contaminants without harming the environment is essential.



Maintenance Dredging:

The continuous natural buildup of sediment and silt in delta ways, ports, marinas, and other waterways require maintenance dredging to ensure water level safety and access.



Ports and Marina Dredging:

The increase in global trade requires the construction of more ports, yards, terminals, channels, and expansions of the existing waterways. And the expansion of the global population leads to greater marina dredging.



Sand and Gravel Dredging:

The increasing demand for sand and gravel for the construction industry plays a major role in dredging sand, gravel, and other marine aggregates from offshore areas.

Specifications:

Pump sizes range in maximum flow, maximum head, maximum speeds, powers, and solids handling sizes. There are over 60 variations available. Please contact DAE Pumps for a custom pump curve to identify the right pump for your application need.

The following are the ranges of each pump size's capabilities.

| Pump Size | Range | Max Flow | Max Head | Max Speed | Power | Solids Handling |
|--------------|------------|--|---------------------------|-----------|------------------|--------------------------------|
| 3" (75 mm) | Min Max | 110 GPM (25 m3/h) 308 GPM (70 m3/h) | 65' (20 m) 131' (40 m) | 1400 RPM | 11 kW 15 kW | .5" (13 mm) |
| 4" (100 mm) | Min Max | 264 GPM (60 m3/h) 660 GPM (150 m3/h) | 68' (21 m) 85' (26 m) | 1400 RPM | 11 kW | .5" (13 mm) .8 (21 mm) |
| 6" (150 mm) | Min Max | 264 GPM (60 m3/h) 1100 GPM (250 m3/h) | 39' (12 m) 196' (60 m) | 1000 RPM | 18.5 kW 75 kW | .8" (21 mm) 1.75" (45 mm) |
| 8" (200 mm) | Min Max | 440 GPM (100 m3/h) 2640 GPM (600 m3/h) | 49' (15 m) 196' (60 m) | 1000 RPM | 30 kW 160 kW | 1" (25 mm) 1.1" (28 mm) |
| 10" (250 mm) | Min Max | 2200 GPM (500 m3/h) 2640 GPM (600 m3/h) | 49' (15 m) | 1000 RPM | 45 kW 55 kW | 1.75" (46 mm) |
| 12" (300 mm) | Min Max | 3520 GPM (800 m3/h) 4400 GPM (1000 m3/h) | 72' (22 m) 180' (55 m) | 1000 RPM | 132 kW 160 kW | 1.5" (38 mm) 2" (50 mm) |
| 14" (350 mm) | Min Max | 5500 GPM (1250 m3/h) 7700 GPM (1750 m3/h) | 98' (30 m) 114' (35 m) | 1000 RPM | 220 kW 250 kW | 1.75" (45 mm) 2.15" (55 mm) |
| 16" (400 mm) | Min Max | 8800 GPM (2000 m3/h) | 114' (35 m) | 1000 RPM | 315 kW | 2.3" (60 mm) |

Cutter Heads Options:

Hydraulic cutter heads operation powers

- **4 kW**
- **5.5 kW**
- **7.5 kW**
- **11 kW**
- **15 kW**

Additional Attachments:

- Cutter Blade
- Jet Ring System

Materials:

| | |
|------------------------|---|
| Impeller | Chrome Iron |
| Volute Liners | Chrome Iron |
| Volute Casing | Ductile Iron |
| Shaft | 4140 Steel |
| Shaft Sleeve | 420 Stainless Steel |
| Mechanical Seal | Tungsten Carbide/Silicon Carbide (stationary) |
| Bearing Housing | Ductile Iron |
| Bearing Frame | Nitrile |
| O-Ring | Natural Rubber |
| Flange Gasket | Chrome Iron |
| Expeller | Chrome Iron |

Accessories:



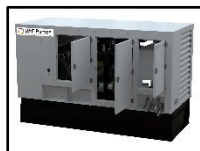
Slurry Hose

DAE Pumps slurry hoses provide the safe and efficient transferring of sludge, slurry, abrasive solids, and corrosive material. These reliable hoses operate at pressures of up to 150 PSI at ideal working temperature is between -20°C to 50°C.



HDPE Hose Floats

Made from lightweight, high-density materials, DAE Pumps floats providing great flexibility along with excellent impact resistance, making them ideal for a variety of pumps and dredging applications.



Hydraulic Power Units (HPU)

HPUs are the driving force behind the Growler 1000 hydraulic dredge pumps systems. DAE Pumps HPUs operate up to 5000 PSI with a high-pressure filtration and remote operation.



Flow Meters

The ultrasonic flow meter is suitable for monitoring sewage, mud, sludge, and a variety of abrasive solids. The clamp-on, non-intrusive transducers work well to monitor slurry in DAE Pumps slurry hoses.