

Excavator Dredge Pump Attachment 4-Inch

4-Inch EX 4000 Excavator Attachment Specs.



Typical Attachment Photo. Dredge pumps can be deployed vertically or horizontally. Contact us for further details. Photos for general guidance.

OPERATING LEVELS

MIN FLOW	250 GPM
MAX FLOW	1200 GPM
HEAD RANGE	10-200 Ft
DISCHARGE SIZE	4 inch
SUCTION SIZE	6 inch
SOLIDS HANDLING	Solids up to 3 inches
MAX SPEED	1800 RPM
PERCENT SOLIDS	Up to 40-70% Solids
CU YD MATERIAL HR	75-150

RECOMMENDED SENSORS

Hydraulic Pressure Gauge for pumps and cutter head circuit visible to operator (0-6000 PSI)

Magnetic Flow meter to maintain stable plug free pipeline flow and maximize production

REQUIRED EQUIPMENT TO OPERATE ATTACHMENT

Combined hydraulic circuit (both pumps) on excavator capable of 35 GPM at 5000 PSI

Auxiliary hydraulic valve to operate cutter head capable of 12 GPM at 4,350 PSI (continuous) one-way

6" 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

OPTIONAL EQUIPMENT TO ENHANCE OPERATION OF DREDGE

Magnetic flow meter

Discharge line pressure gauge (0-150 psi)

"Quick Prime" Valve (requires small 24volt air system)

Pivot mounted Discharge hose carrier (adaptable to most machines)

Liner Safe Roller Attachment, Self Cleaning Mud Guard, Water Jetting Ring are additional options for your project.

Recirculation system for pre-mixing applications (requires small 24 volt air system)

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
- 100% American Built

Applications

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

Fluid Pumped

- Sludge
- Slurry
- Drilling Mud
- Mine Tailings
- Grit
- Sand Mixtures

We Pump Solids Not Water

GENERAL SPECS	US	Metric
Production: 700-1000 GPM or 75-150 cubic yards of material per hour		
Maximum head with 180cc hydraulic motor (16" rotor)	200 feet	61m
Overall Weight (without optional equipment)	3,300 lbs	1,496 kg
Overall Length	113 inches	2.87 m
Overall Height	37 inches	.94 m
Overall Width with discharge pipe removed	28 inches	1.17 m
Overall Width with discharge pipe mounted (right side)	38 nches	1.45 m
Carrier Weight Range	20-45 tons	18,000-40,000 kg
Rotating Head Diameter (with or without cutting teeth)	18 3/4" @	.46m
Double seal with Sealed Barrier fluid tank (allow dry run)	1 1/4" @	76.2 mm

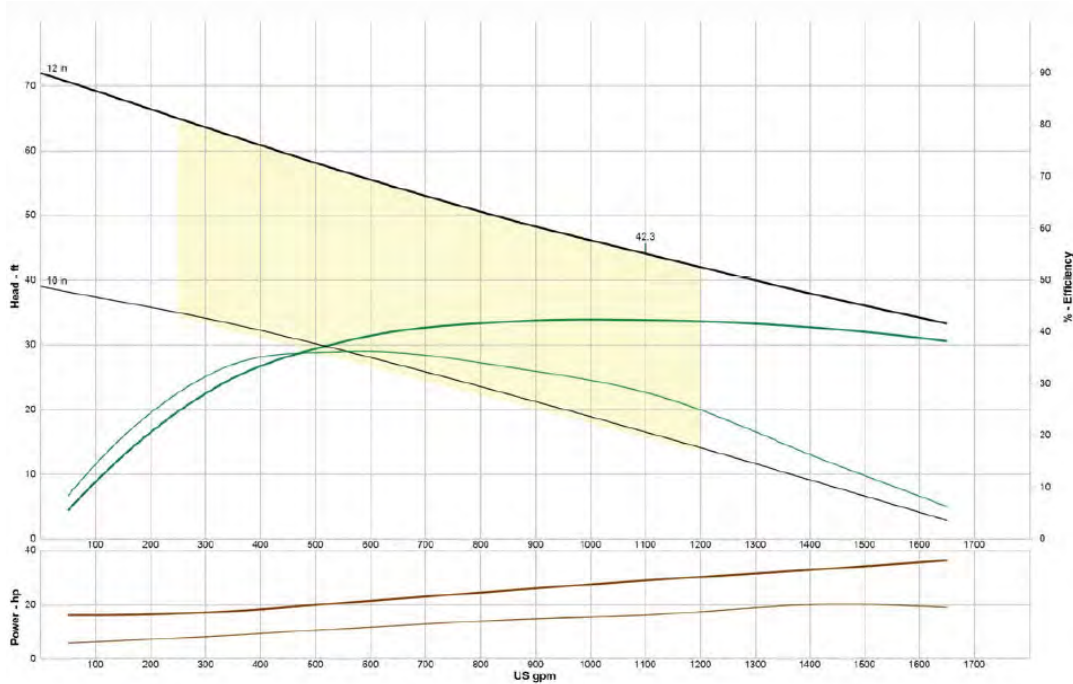


CAT 345D - Excavator Dredge Pump Attachment - 500 HP Hydraulic Power Unit

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.

We Pump Solids Not Water



General pump curve based on water.

EDDY Pumps are primarily used for high solids, slurry, sludge, and dewatering.

A pump curve is a graphical representation of a pumps 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.

Contact us with your specific material for a custom pump curve.