

Excavator Dredge Pump Attachment 12-Inch

12-Inch EX 12000 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	1800 GPM
MAX FLOW	7000 GPM
HEAD RANGE	40-570 Ft
DISCHARGE SIZE	12 inch
SUCTION SIZE	14 inch
SOLIDS HANDLING	Solids up to 11 inches
MAX SPEED	1800 RPM
PERCENT SOLIDS	Up to 40-70% Solids
CU YD MATERIAL HR	500-600

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 120-160GPM at 5000 PSI (500cc Motor)

Auxiliary hydraulic valve to operate cutter head capable of 14 GPM at 4350 PSI (continuous) one-way

10" 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: 1800-7000 GPM or 500-600 cubic yards of material per hour		
Max head with 500cc hydraulic motor (21" rotor) 200 gpm oil @5000PSI	40-570 feet	100-120 m
Overall Weight (without optional equipment)	9,500 lbs	4,309 kg
Overall Length	191 inches	4.85 m
Overall Height	60 inches	1.5 m
Overall Width with discharge pipe removed	58 inches	1.47 m
Overall Width with discharge pipe mounted (right side)	71 inches	1.80 m
Carrier Weight Range	30 plus tons	27,215 plus kg
Rotating Head Diameter (with or without cutting teeth)	14 1/8" & @	.90 m
Double seal with Sealed Barrier fluid tank (allow dry run)	14 1/8" & @	89 mm

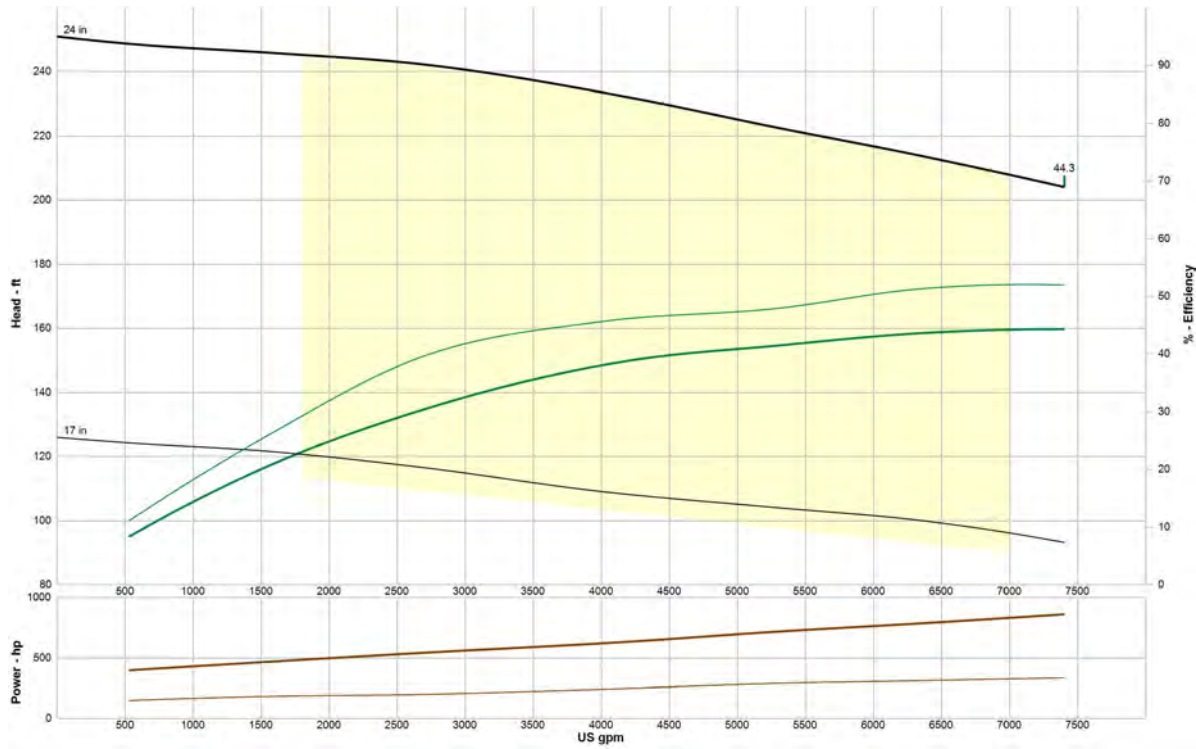


CAT 345D - Excavator Dredge Pump Attachment - 500 HP Hydraulic Power Unit

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.