EDDY PUMP CORPORATION

MADE IN USA

Hydraulic Excavator Pump Attachment - 4 Inch

MODEL #
4-Inch EXF 4000 Hydraulic Excavator Attachment

OPERATING LEVELS	
MIN FLOW	250 GPM
MAX FLOW	1200 GPM
HEAD RANGE	Up to 160 ft
DISCHARGE SIZE	4 inch
SUCTION SIZE	6 inch
SOLIDS HANDLING	Solids up to 3 inches
MAX SPEED	1800 RPM
PERCENT SOLIDS BY WEIGHT	40-70%
PRODUCTION RATE	75-150 yd^3 material/hr

*Typical Attachment Photo. Photos for general guidance. Contact us for further details.

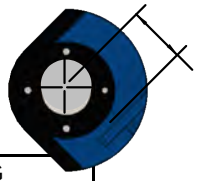
RECOMMENDED SENSORS

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

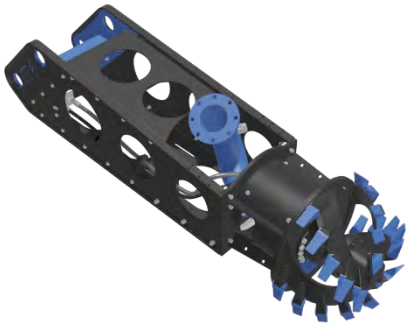
EDDY Pump circuit requirements from excavator auxiliary power OR from Hydraulic Power Unit 35 GPM at 5000 PSI (80cc motor)
Cutterhead circuit requirements from excavator auxiliary power OR from Hydraulic Power Unit 12-18 GPM at 5000 PSI (1340cc motor)
6" material handling discharge hose and hydraulic 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
Minimum excavator carrier weight requirements: 20-45 tons / 18,000-40,000 kg

MAXIMUM LINKAGE CROSS SECTION

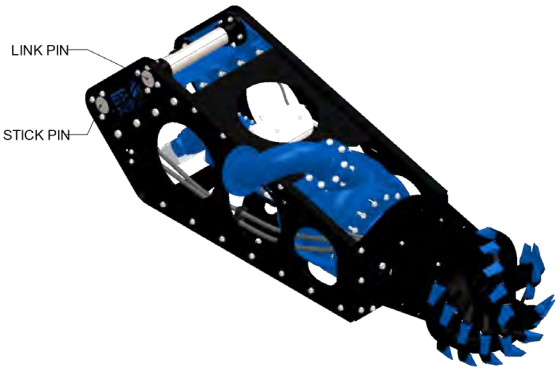


STANDARD SIZING	
PART #	SIZE
01425	Ø 80 MM
12877	Ø 90 MM
06661	Ø 100 MM
01042	Ø 110 MM

*CUSTOM SIZES AVAILABLE UPON REQUEST



(EXF4K Frame, Elbow Discharge, Cutterhead ONLY No Pump)



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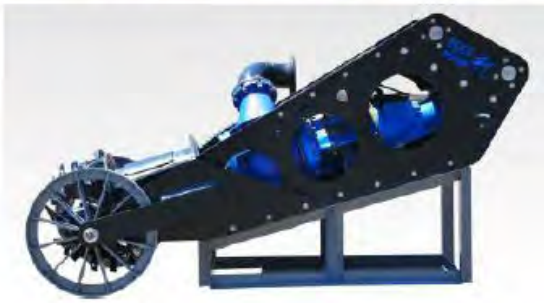


EDDY Pump industrial Excavator Dredge Pump Attachments are non-clog pumps designed for high solids industrial pumping applications. Our patented pump technology outperforms all centrifugal, vortex and positive displacement pumps in a variety of the most difficult pumping applications. Available in alternative power options and pump sizes depending on your application.

APPLICATIONS

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

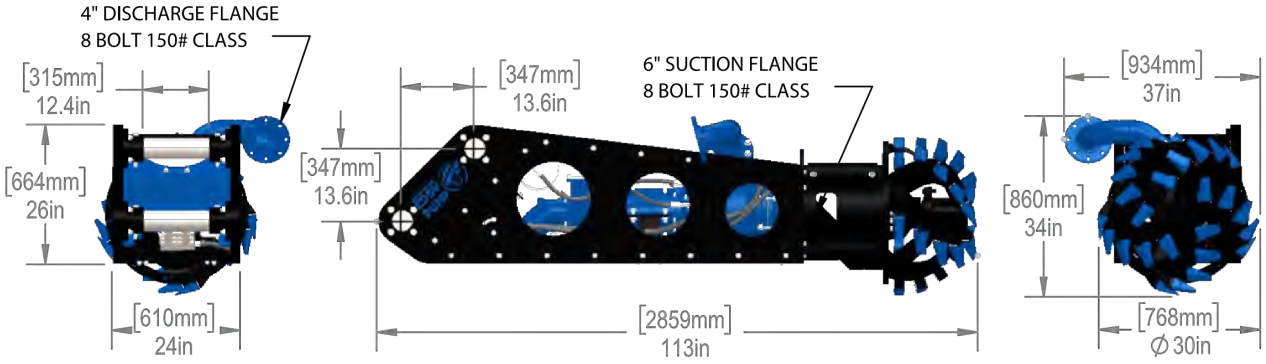
FEATURES & BENEFITS

- Non-Clog, High Viscosity, High Specific Gravity, High Abrasives, Low pH Pumping Design
- Handles up to 70% Solids by Weight
- 4 Inch - Ability to pump objects of up to 3-inches in diameter

FLUID PUMPED

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

GENERAL SPECS		
Overall Weight (without optional equipment)	3,300 lbs	1,496 kg
EXF4K Frame, Discharge Elbow and Cutterhead	1,700 lbs	771 kg



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

STANDARD CUTTER HEAD

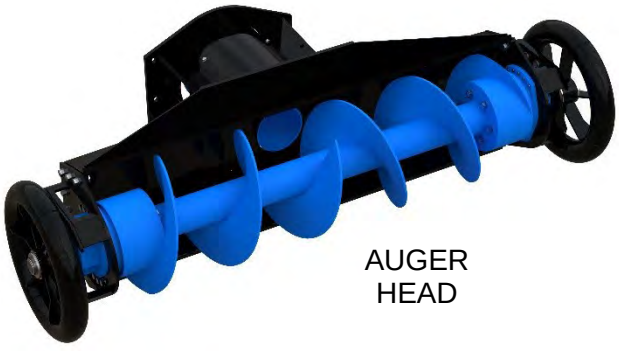
SELF-CLEANING HEAD

WATER JETTING RING

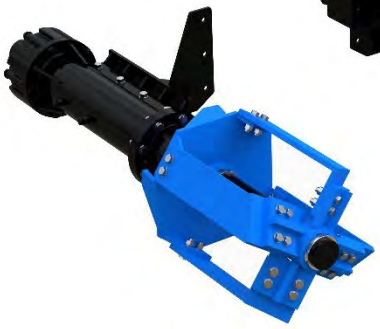
LINER-SAFE WHEELS

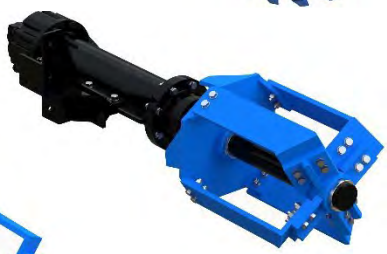
EXTENDED CUTTER HEAD

RE-CIRCULATION



AUGER HEAD





MIXER HEADS

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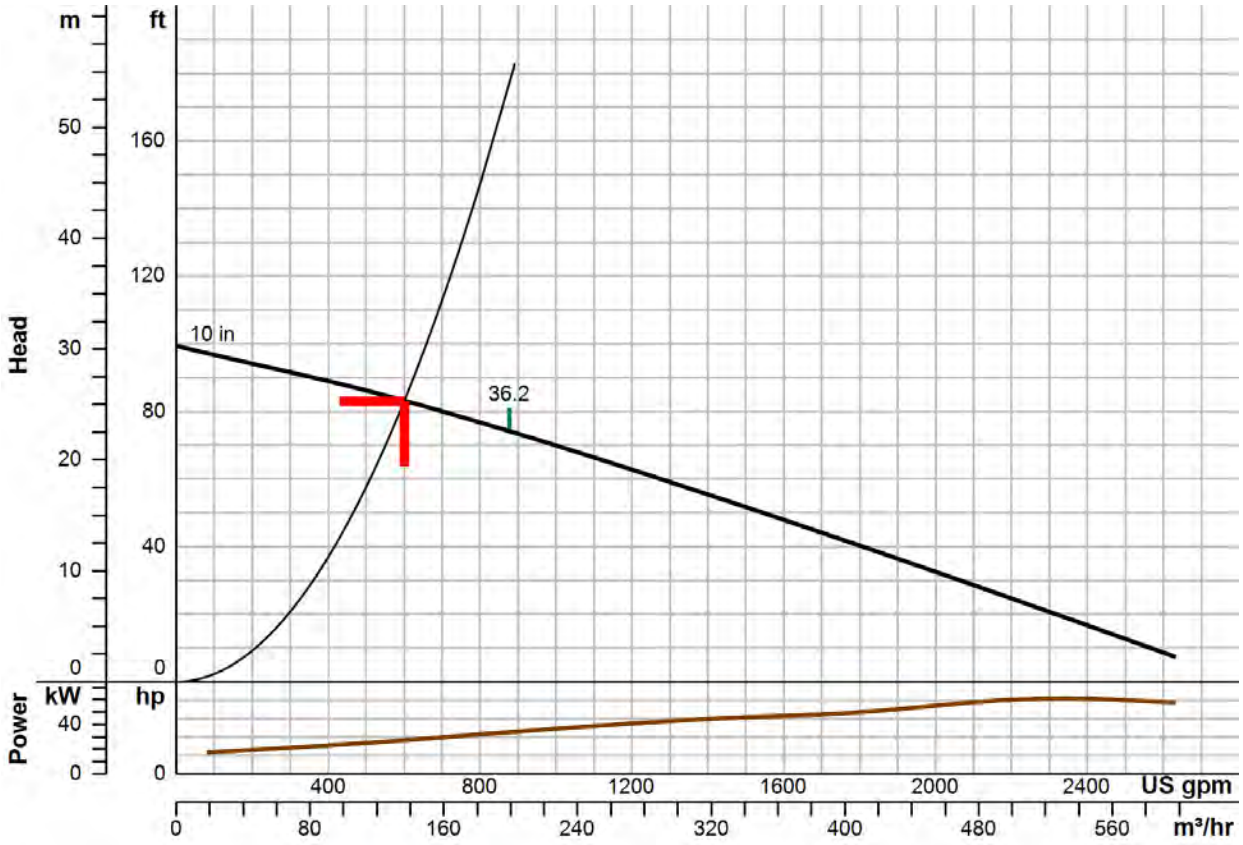
PUMP CURVE

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

EXF - 4000 Hydraulic Excavator Pump Attachment – Pump Curve



The EXF-4000 utilizes the HD-4000 pump wet end. The performance curve shown represents the HD-4000 wet-end performance used in the EXF-4000 excavator attachment configuration.

WE PUMP SOLIDS, NOT WATER

CONTACT US

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