

Subdredge - 4 Inch

MODEL #	
4-Inch Subdredge	
OPERATING LEVELS	
MIN FLOW	250 GPM
MAX FLOW	1200 GPM
HEAD RANGE	Up to 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
GROUND PRESSURE	3.3 PSI



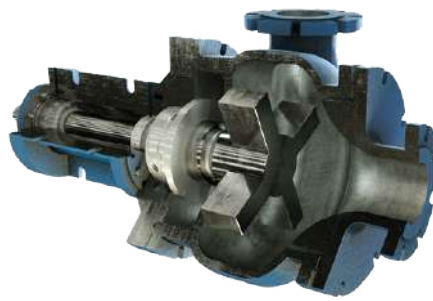
*Typical Subdredge Photo. Photos for general guidance. Contact us for further details.

INCLUDED SENSORS
Pressure hull water intrusion sensor with topside audible and visual alarm
Depth, hydraulic press, tank line press, and swing angle sensor
Vessel orientation sensor with magnetic heading (pitch, roll, heading, temp)
Two low light camera views and dual LED lighting
Floating buoy for GPS positioning with constant tension (allows up to 40 ft depth)

CONTROLS
Handheld wireless controller with live redundant controller and ruggedized laptop
Application specific software for easy operation
Pneumatic lift bags for emergency retrieval

REQUIRED EQUIPMENT TO OPERATE CUTTERHEAD
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 12-20 GPM at 5000 PSI

OPTIONAL EQUIPMENT TO ENHANCE OPERATION OF DREDGE
Acoustic imaging display for high turbidity water
Additional lighting or cameras
Magnetometer type flow meter for production performance monitoring
RTK GPS with USBL acoustic positioning for real-time precise tracking
Rotating cutter head for hard compacted materials



The EDDY Pump Subdredge is a remote operated submersible dredge (ROV). The Subdredge is ideal for dredging applications that call for great depths, precision dredging, unmanned operation, and liner dredging application. A huge advantage is safety, making it ideal for dangerous situations where removing the human element from the operation is the goal.

It can be powered hydraulically or electrically with pump sizes ranging from 4-inch up to 12-inch. Achieve production rates of up to 7000 GPM or 600 cubic yards of material per hour. The Subdredge is equipped with an umbilical that allows for it to operate remotely at distances of up to 1000-ft from the operator. With internet connectivity, the unit can be operated from the other side of the globe by headquarters or by EDDY Pump support staff.

Applications

- Subsea Dredging
- Below Structures and Ships
- Liner Safe Dredging (Clay, Poly, Concrete, etc)
- Tailings Ponds, Concrete Canals, Spent Material Basins

Features and Benefits

- Safety, Ideal for Hazardous Areas
- Cutterhead or Non-Clog Head Configurations
- Transport 40-70% Solids
- Rubber Tracks Prevent Liner Damage

Fluid Pumped

- Sludge
- Slurry
- Mine Tailings
- Sand Mixtures

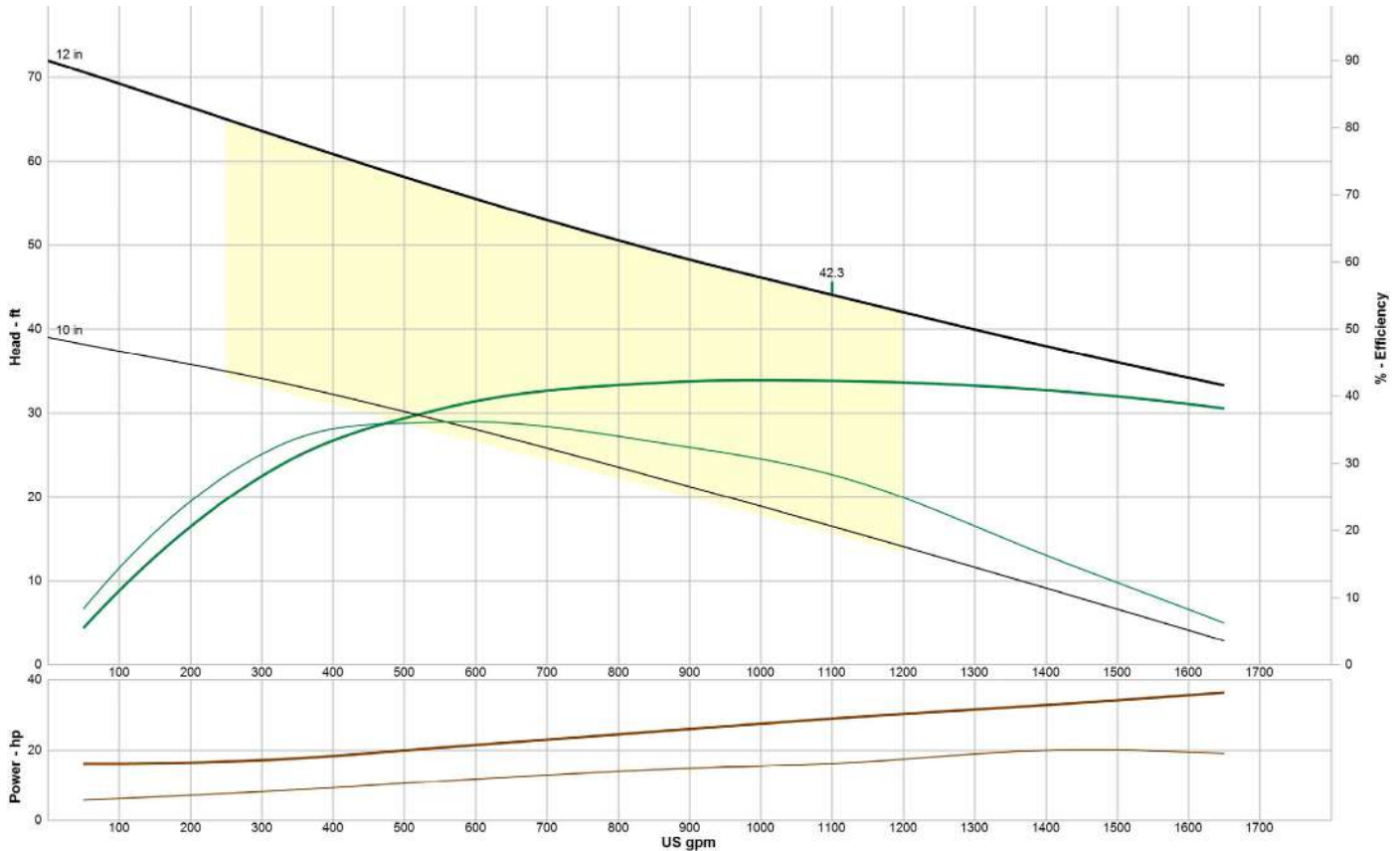


PUMP CURVE

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.

EDDY Pump - 4 Inch Subdredge - Pump Curve



*General pump curve based on water at 1200 RPM. Contact us with your specific material for a custom pump curve.

WE PUMP SOLIDS, NOT WATER

CONTACT US



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