

Dredge Sled – Electric Driven 4-Inch

MODEL #	
DSE-4000	
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 3.5 inches
MAX SPEED	1800 RPM
PERCENT SOLIDS	Up to 40-70% Solids
CU YD MATERIAL HR	75-150



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

INCLUDED EQUIPMENT

- 4-inch High Chrome Eddy Pump with a 100KW Submersible Electric Motor
- Floating Dredge
- 300-ft of traversing cable
- Solar panel charging system to charge the lifting winch battery.
- Winches. Remote-Operated Lifting Winch 12V and 110V Traversing Land Winch
- Gas Generator 110 VAC output to power the Traversing 110V Land Winch

REQUIRED EQUIPMENT TO OPERATE

Electric Generator to power the Eddy Pump equal to 100KW OR main line shore power for the Eddy Pump

4" material handling discharge hose and floats

MEMA 3R VFD or Soft Starter

OPTIONAL EQUIPMENT TO ENHANCE OPERATION OF DREDGE

Doppler flow meter

Discharge line pressure gauge (0-150 psi)

High pressure jetting ring



EDDY Pump industrial Dredge Sleds 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 (Mineral Recovery)
- Lagoon Dredging
- Sand & Agg
- Shallow Industrial Ponds
- Dams
- Fly Ash & Coal Ash

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 3.5-inches in diameter

Fluid Pumped

- Sludge
- Slurry
- Bio-Sludge
- Mine Tailings
- Minerals
- Sand Mixtures

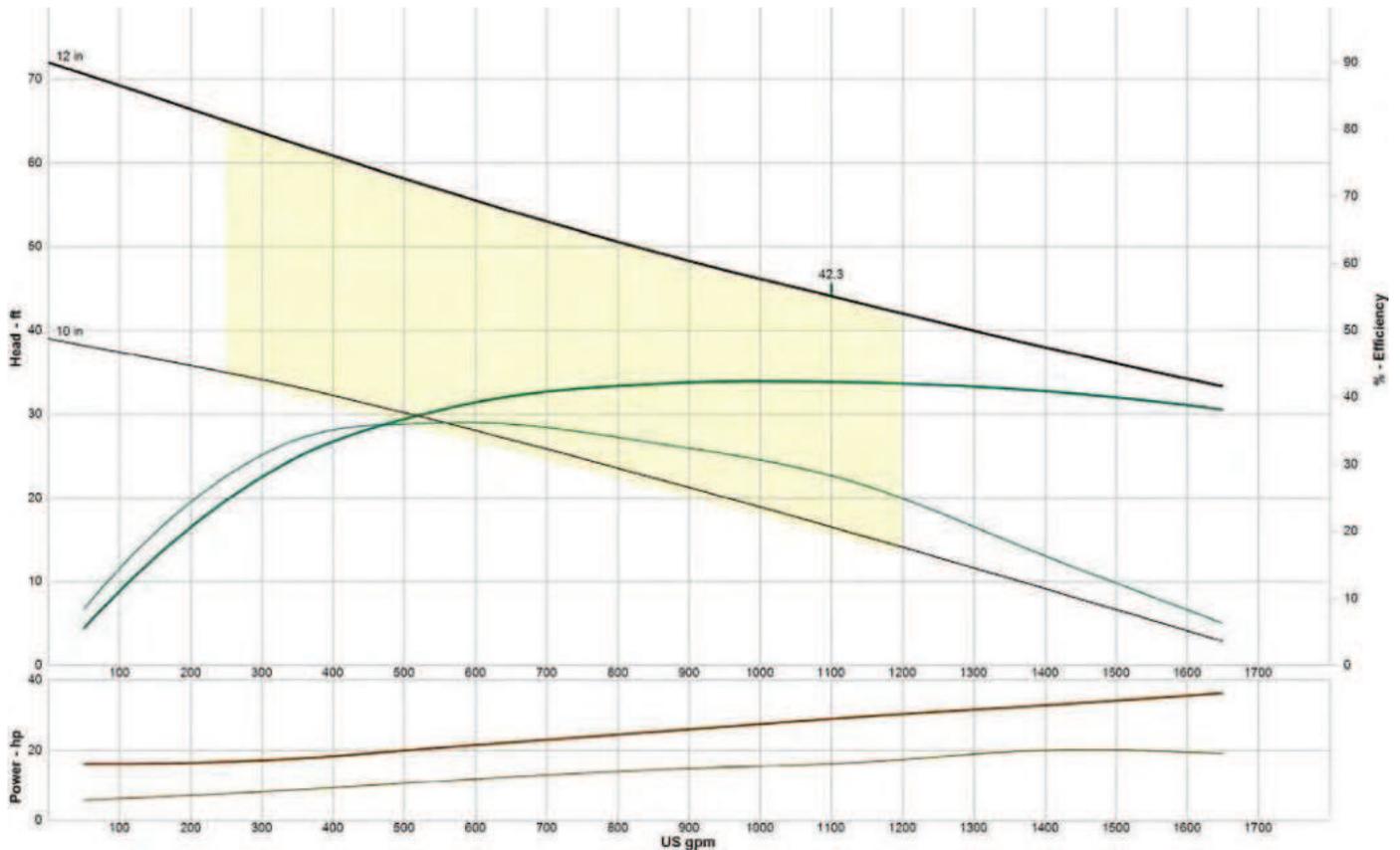
GENERAL SPECS		
Production: 250-2500 GPM or 75-150 cubic yards of material per hour		
Head with 100HP electric motor (12" rotor)	Up to 160 feet	Up to 61m
Overall Weight (without pump)	3,307 lbs	1,500kg
Overall Length	9.8 feet	3 m
Overall Height	5.6 feet	1.7 m
Overall Width	12.5 feet	3.8 m
Depth masts max lift (above waterline, pump retracted)	17.4 feet	5.3 m
Standard Operating Depths	1.6 to 16 feet	0.5 to 5m

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 4000 - 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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