

6-Inch Mini Auger ModDredge

Move More Solids. Waste Less Water.

Designed for 40-70% Solids by Weight

The EDDY Pump 6-inch Mini Auger Liner-Safe ModDredge is a compact, modular dredging system built around a 6-inch EDDY Pump, liner-safe auger, and controlled mobility system. Designed for lined ponds, lagoons, tailings ponds, and sensitive containment areas requiring higher production rates, the system handles high-solids sludge, sediment, tailings, and settled solids, prioritizing solids recovery over dilution water. Fully remote-operated, with optional automation and GPS positioning, and available in diesel or electric configurations depending on site requirements.

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Built as a system — pump, auger, platform, mobility, controls, and power package — the Mini Auger ModDredge is intended for sites where full-size dredges are too large or where liner protection matters.

Snapshot Specs

PACKAGE FLOW RANGE
1,200–1,800 GPM

SOLIDS PRODUCTION
150–200 yd³/hr

SOLIDS CONCENTRATION
40–70% by weight

PUMPING DISTANCE
Up to 2,000 ft / 610 m

MAX DREDGING DEPTH
20 ft / 6.1 m

AUGER CUTTING WIDTH
4 ft / 1.22 m

PLATFORM SIZE
20 ft x 8.5 ft

HEAVIEST COMPONENT
7,500 lbs / 3,400 kg

Why Choose the 6-Inch Mini Auger ModDredge?

- Liner-safe auger and mobility system for geomembrane-lined containment areas.
- Higher production capacity than the 4-inch unit — up to 200 yd³/hr.
- Long-distance pumping up to 2,000 ft without a booster pump.
- Remote-operated system designed for safer, controlled dredging.
- Compact modular platform for limited-access or smaller dredging sites.
- High-solids dredging package designed to reduce dilution water.

Best-Fit Applications

Lined ponds and lagoons

Oil and gas waste pits

Mining tailings ponds

Industrial sludge removal

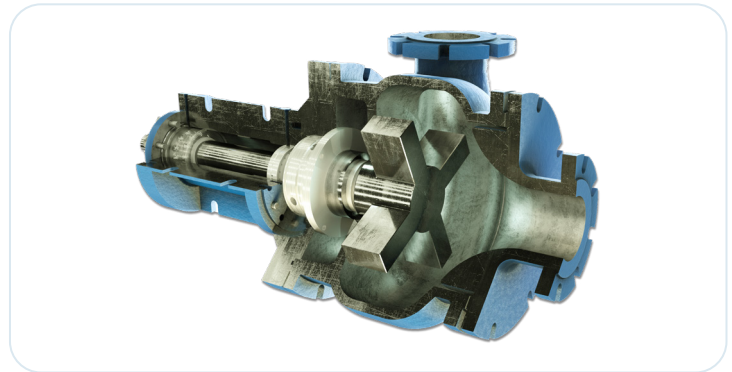
Environmental remediation

Limited-access sites

Pump Platform Specifications

Pump Spec	6-Inch Mini Auger ModDredge
Core Pump Platform	EDDY Pump 6 in (HD-6000)
Discharge Size	6 in
Suction Size	8 in
Base Pump Flow Range	450-2,500 GPM
Mini Auger Package Flow Range	1,200-1,800 GPM
Head Range	Up to 200 ft TDH
Solids Handling	Up to 5 in
% Solids by Weight	40-70% package range
Production Rate	150-200 yd ³ /hr
Max Pump Speed	1,800 RPM

Inside the EDDY Pump Difference



The 6-inch Mini Auger ModDredge is built around the same patented EDDY Pump design that powers the 4-inch – scaled up for higher throughput. The recessed rotor and open internal flow path handle abrasive, high-solids slurry at increased flow rates without the clogging risks that plague conventional centrifugal pumps in heavy slurry service.

Move More Solids. Waste Less Water.

Selection Note

The 6-inch Mini Auger is the right choice when production targets exceed what the 4-inch can deliver, or when discharge distance pushes beyond 1,500 ft. Final configuration should be based on slurry density, solids concentration, discharge distance, pipe size, elevation change, material type, and available power source.

Driver / Power Package Options

Power Package	Prime Mover / Main Drive	Hydraulic Power Unit	Best-Fit Use
Diesel Powered	225 HP diesel engine	50 HP diesel HPU	Remote sites, mobile jobs, field deployment, and locations without dependable electric power.
Electric Powered	Approx. 168 kW electric motor / 225 HP equivalent	Approx. 37 kW electric HPU / 50 HP equivalent	Fixed facilities, lined ponds, lagoons, and plant sites with available electric power.

Important Power Package Note: The pump platform is the wet-end only – it is not electric, diesel, or hydraulic on its own. The driver or power package provides the motor or engine, HPU, controls, hose routing, and all package-specific support equipment. Power package selection affects transport weight, site access requirements, and mobilization planning.

Equipment / System Specifications

Equipment Spec	6-Inch Mini Auger ModDredge
System Type	Mini Auger Liner-Safe ModDredge
Pump Size	6 in
Cutter Type	Liner-safe auger cutter
Auger Cutting Width	4 ft / 1.22 m
Maximum Dredging Depth	20 ft / 6.1 m
Depth Extension	Available / optional
Platform Length	20 ft / 6.1 m
Platform Width	8.5 ft / 2.6 m
Heaviest Component	7,500 lbs / 3,400 kg
Deployment	Floating dredge platform; assembles directly on water
Operation	Full remote-operated system
Positioning	(2) traversing winches; controlled movement for precision dredging
Mobility	Large rubber wheels for liner-safe operation
Automation	Optional autonomous dredging capability and RTK/GPS positioning system

The 6-inch ModDredge delivers meaningfully higher production than the 4-inch unit – while running on the same platform footprint, the same rubber wheel mobility system, and the same modular deployment method. More output without a bigger site requirement.

Auger / Excavation System

- Auger feeds settled material into the 6-inch pump intake at rates up to 200 yd³/hr.
- Designed for sludge, sediment, tailings, grit, and soft compacted solids in lined and sensitive environments.
- Not intended for hard rock, large debris fields, or material exceeding solids handling limits.

Mobility & Positioning

- Large rubber wheels are designed to protect geomembrane liners during repositioning.
- Two traversing winches provide controlled, repeatable movement across the dredging area.
- Remote operation keeps personnel away from the water surface during active dredging.

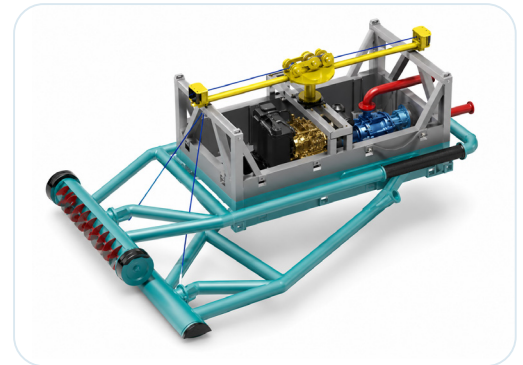
Controls & Automation

- Standard: Full remote-operated system included.
- Optional: Autonomous dredging capability – additional cost.
- Optional: RTK/GPS positioning system – additional cost.
- Monitoring and telemetry details to be confirmed by engineering for final configuration.

Dimensions & Installation Footprint

Platform, power package, hose routing, and launch method all affect site fit. The 6-inch ModDredge runs on the same platform footprint as the 4-inch – but the larger discharge connection and extended pumping range (up to 2,000 ft) affect pipeline planning, hose sizing, and site layout in ways that should be confirmed before mobilization.

Dimension / Installation Detail	6-Inch Mini Auger ModDredge
Platform Length	20 ft / 6.1 m
Platform Width	8.5 ft / 2.6 m
Maximum Dredging Depth	20 ft / 6.1 m
Auger Cutting Width	4 ft / 1.22 m
Heaviest Component	7,500 lbs / 3,400 kg
Assembly Method	Modular system; assembles directly on water
Booster Requirement	Application dependent



Power / Control / Booster Notes	
Package Configuration	Dimension Note
Power source	Available in diesel or electric packages depending on site power, mobility, emissions, and operating requirements.
Remote / autonomous control	Remote operation and autonomous options support safer operation, repeatable dredging patterns, and controlled production.
Booster support	Booster-supported configurations can extend discharge distances where pipeline length, head, elevation, or slurry density require additional pump support.
Engineering selection	Final ModDredge sizing should be based on pond dimensions, dredging depth, target production, discharge distance, slurry density, solids concentration, and power availability.

What Customers, Installers, and Engineering Need

- Overall length, width, height, and the heaviest component.
- Access, launch requirements, and hose/discharge route.
- Connection sizes, lifting points, assembly method, power, and controls.
- Final general arrangement, weight by configuration, guards, access, and package-specific dimensions.

Information Needed to Size the Correct Mini Auger ModDredge

Application Data

- Material being dredged: sludge, sediment, tailings, grit, ash, waste pits, or mixed solids.
- Target production rate – the 6-inch is sized for 150–200 yd³/hr; confirm whether that range fits the job.
- Solids concentration, slurry density, and abrasiveness of the material.
- Solids size, debris content, and whether the material settles, compacts, or crusts.
- Required discharge location, disposal method, and whether the 2,000 ft pumping range is sufficient or a booster is needed.

Industries Served

- Mining and tailings
- Oil and gas waste pits
- Industrial sludge
- Wastewater lagoons
- Environmental remediation
- Lined containment areas

Site and Installation Data

- Pond or lagoon dimensions, water depth, and maximum dredging depth required.
- Liner type, liner condition, age, and any site restrictions on equipment contact.
- Available power: diesel or electric – confirm early, as it drives package selection and mobilization plan.
- Discharge distance, elevation change, pipe or hose route, and whether intermediate booster pumping is needed.
- Site access width, launch area dimensions, and any mobilization or weight constraints.

Download Resources

6-Inch Mini Auger ModDredge Spec Sheet, Mini Auger ModDredge Brochure, Product page and quote form, Application review checklist.

[Download Family Guide](#)

Need More Production Than the 4-Inch Can Deliver – Without Going Full-Size?

Send the duty point, pond dimensions, liner type, material description, discharge distance, and available power source. EDDY Pump can confirm whether the 6-inch is the right fit or whether a different configuration makes more sense for your site.

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