

Mud Cat™ 115D Dredge



DIMENSIONS

Weight:	16,000 lbs. (7,257 kg) dry
Overall Length:	33 ft (10 m)
Overall Width:	8 ft-6 in (2.6 m)
Overall Height:	9 ft (2.7 m)

WORKING CAPACITY

Working Depth:	15 ft (4.6 m)
Cut Width:	8 ft (2.4 m)
Cut Height:	17 in. (0.43 m)
Draft	22.5 in avg (0.57 m)

FLOATATION

Hull Type:	Catamaran
Deck:	Non-skid

ENGINE

Type:	John Deere
Horsepower:	125 HP (93 kW)
Fuel Capacity:	60 gallons (227 liters)
Frame:	Steel frame

INSTRUMENTATION

Tachometer/hour meter
Engine oil pressure
Engine coolant pressure
Slurry pump hydraulic pressure gauge
Cutterhead hydraulic pressure gauge
Discharge pressure gauge
Digital depth gauge

CONTROL STATION

Operator Chair & IP-55 Enclosure
Standard / weather canopies (w / Mud Cat Logo to protect operator and HPU)
Pump On / Off
Throttle
Travel Lever - Backwards / Forwards
Ladder Hoist - Up / Down
Cutterhead Control Lever - Backwards / Forwards

SLURRY PUMP

Manufacturer:	Mud Cat
Discharge Diameter:	8 in. (203 mm)
Performance:	3,000 GPM (681 m ³ /hr) max 2,000 GPM (454 m ³ /hr) @ 65 ft (20 m) TDH
Closed Impeller	
Solids Passage:	3.5 in. (88 mm)
Open Impeller	
Solids Passage:	4.3 in. (109 mm)
Choice of closed standard impeller or open trash impeller.	

TRAVEL SYSTEM

Double sheave hydraulic driven winch 10 in (254 mm)

FUEL CONSUMPTION

7.7 gall/ hour at full HP rating (29.14 liters)

CUTTERHEAD

Width:	96 in. (2,438 mm)
Type:	SolidsMaster® Cutterhead Tip Force 1,428 lbs
Diameter:	17 in (432 mm)
Debris Guard:	Self-Cleaning Debris Guard (patent pending)

HYDRAULIC SYSTEM

Filtration:	10 micron
Oil cooler thermostatically controlled - standard	
Stainless steel tubing on boom - standard	
Impeller high-low speed selector valve - standard	

SAFETY

Steel hand railing - standard
High engine coolant temperature - standard
Low engine oil pressure - standard
High hydraulic oil temperature - standard
Low hydraulic oil level - standard

DISCHARGE ACCESSORIES

8 in. x 40 ft (203 mm x 12 m) sections of 32.5 SDR HDPE pipe with quick disconnect fittings and ringlocks
8 in. x 100 ft (203 mm x 30.5 m) sections of flex hose with quick disconnect fittings and ringlocks
Saddle type pipe / hose floats
Broadcaster discharge attachment for side-casting slurry onto shore

PROPULSION OPTIONS

Option 1:	cable drive system: 2-Point Rigging System
Option 2:	cable drive system: 4-Point Rigging System

* 3/8" travel cable (per 100 ft length) for options 1 and 2

Option 3:	self-propulsion system: 2 Yamaha outboards with throttle control
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OPTIONS

Tattle tail sample line with pinch valve for quick slurry thickness observation.

CUTTERHEAD OPTIONS

WeedMaster Cutterhead	for vegetation
MC Environmental Auger	for sludges
Cutterhead Wheels	for liner protection

CONTROL OPTIONS

Standard electronic control over hydraulic
Optional remote control

NOTE: Specifications subject to change without notice.

Mud Cat™ 115D Dredge

ENGINE

- 125 HP John Deere Diesel Engine

OPERATOR'S STATION

- Easy to use controls
- Full instrumentation and depth gauge
- Optional radio remote control feature

PROPULSION

- Standard cable drive system for precision dredging and positive line pull
- Optional outboard motors w/ throttle and steering control for self-propulsion

HULL

- Catamaran hull with non-skid decking and safety hand rails
- Sun canopy engine and operator

AUGER HEAD

- 8 ft. (2.43m) wide cutterhead w/ 15 ft. (4.57m) dredging depth
- Replaceable cutter teeth
- Easy open clean-outs on low turbidity shroud
- Patent pending self-cleaning debris guard for up to 80% less downtime than comparable dredge models
- Optional patented WeedMaster cutterhead for cutting and pumping hyacinths, reeds and other vegetation.

SLURRY PUMP

- Ladder-mounted submersible pump for up to 5% higher solids than hull mounted pumps
- Wear resistant steel
- 3.6 in. to 4.3 in. spherical solids passage depending on impeller choice
- Durable and lightweight
- Easy to fix with simple hand tools and no complicated seals

WEEDMASTER

SOLIDSMASTER



A Mud Cat 115D



The Mud Cat 115D controls can be learned in a matter of minutes.

FEATURES	BENEFITS
Superior Pump Design	8 in. (203 mm) ladder mounted pump for up to 5% higher solids. Light weight and easy to fix with simple hand tools. No complicated seals or special tooling. Low Pressure (LP) pump is ideal for filling geotextile containers.
High Solids Pump	Passes 3.6 in. (91 mm) spherical solids with closed impeller and 4.3 in. (109 mm) spherical solids with open impeller for less clogging.
Versatile Propulsion	Standard cable drive propulsion for precision dredging and positive line pull or optional dual outboards for maneuvering into boat slips.
Dredging Depth	15 ft. (4.57 m) standard dredging depth making it the deepest digging in its class.
Versatile Control Station	Easy to use finger tip controls that can be learned in a few hours. Optional radio remote control feature.
Pump Defender (patent Pending)	Patent pending Pump Defender allows for cleaning of the pump inlet after every revolution of the cutterhead to greatly reduce down-time in debris rich environments by up to 80%.
Shipping	Light weight design is one truck transportable. The ultra-stable 115D fits in 2 x 40 ft. open top containers making it highly transportable and cost effective for overseas shipments. The dredge is one center piece (all mechanical equipment) and two side tanks. This unit is highly transportable without compromising stability and operator safety.
Vegetation Cutterhead	Optional WeedMaster cutterhead converts the MC 115D into a hydraulic weed harvesting system that will cut hyacinths, reeds, and other types of vegetation into small pieces and pump them to a remote discharge site (requires open impeller).
Mud Cat Engineered	Designed by Mud Cat's expert group of engineers and made in the USA from 100% USA content. Mud Cat invented the auger dredge and still leads the industry in technology, quality, and support. All designs use the highest quality components that are fully integrated into the dredge system. The MC-115D is the most advanced auger dredge in the world.



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