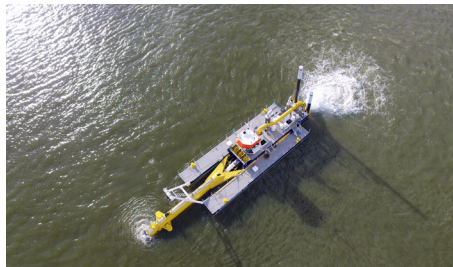




# Gator 40 | Cutter Suction Dredge

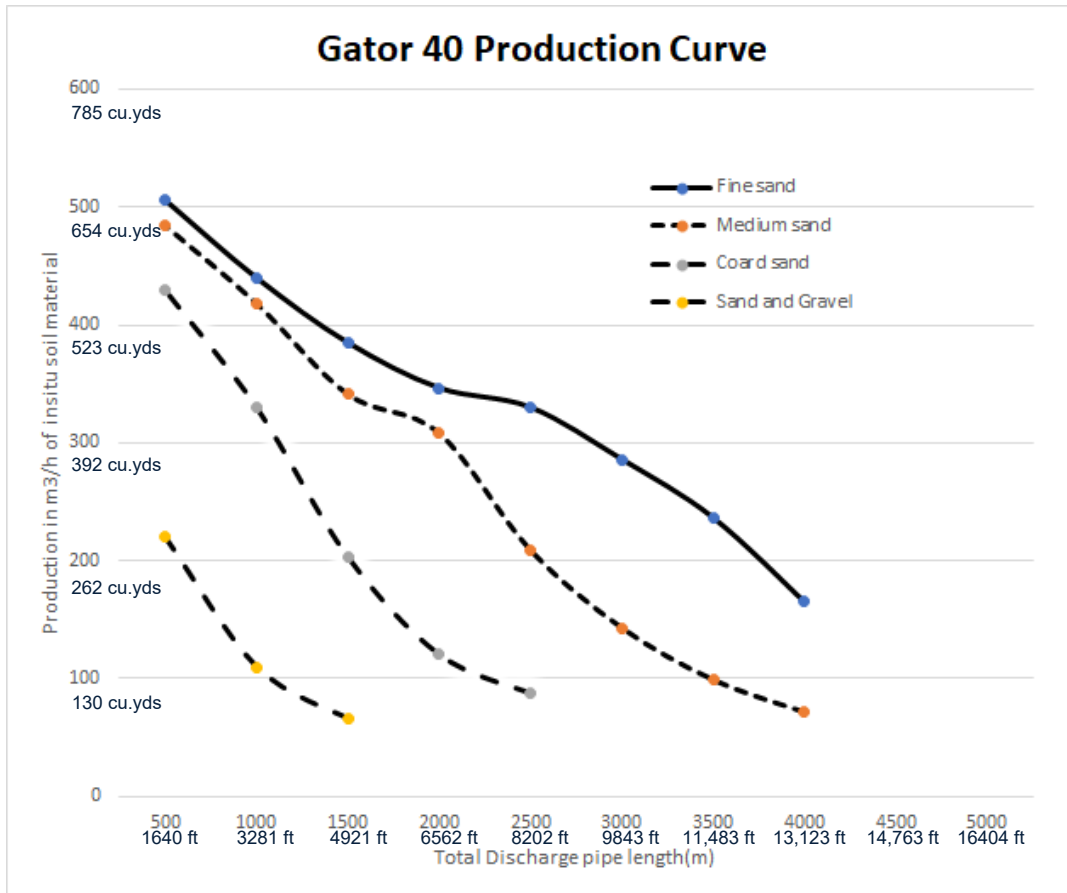


This type of cutter suction dredge is available in a standard design, which can be modified to the demands of your dredging project. The Gator enables you to perform safe and secure dredging operations. The Gator Dredge can also be optionally outfitted with spud carriers or anchor booms.



<b>VESSEL TYPE</b>	Cutter Suction Dredge
<b>DIMENSIONS (approx)</b>	
LENGTH OA INCL. LADDER	70 ft   21,20 m
LENGTH PONTOONS	44 ft   13,30 m
BREADTH	19 ft   5,8 m
DEPTH MAIN PONTOON	8 ft   2,40 m
DEPTH SIDE PONTOONS	5ft   1,45 m
DEPTH DRAUGHT	4 ft   1,12m
<b>HULL</b>	
LENGTH MAIN PONTOON	29 ft   8,70 m
BREATH MAIN PONTOON	9 ft   2,8 m
DEPTH MAIN PONTOON	8 ft   2.46 m
LENGTH SIDE PONTOONS	37 ft   11,2 m
BREATH SIDE PONTOONS	5 ft   1,50 m
DEPTH SIDE PONTOONS	5 ft   1,50 m
<b>DREDGING PARAMETERS</b>	
DREDGING DEPTH (45°)	26 ft   8 m
SUCTION PIPE DIA.	16 in   400 mm
DISCHARGE PIPE DIA.	16 in   400 mm
<b>TANK CAPACITIES</b>	
FUEL OIL	+/- 2 x 1585 gals (2 x 6 m³)
HYDRAULIC OIL	+/- 400 gals (1.5 m³)
BALLAST	+/- 4 x 1320 gals (4 x 5 m³)
<b>POWER INSTALLED</b>	
DREDGE PUMP DIESEL ENGINE	647 hp   483 kW
AUXILIARY DIESEL ENGINE	60 hp   45kW
TOTAL INSTALLED	782 hp   583kW

<b>EQUIPMENT</b>	
<b>DREDGING EQUIPMENT</b>	
CUTTER	Multi-purpose
POWER	80 hp   60 kW
SPEED	0-30 rpm
DREDGE PUMP	16 in   400 mm
WEAR MATERIAL	GS32 / high wear resistant
PUMP ENGINE	Caterpillar C18 ACERT
PUMP GEARBOX	Bosch Rexroth or equivalent
<b>SPUD SYSTEM</b>	
SPUD LEGS	2 (Options)
SPUD LENGTH	36 ft   11 m
SPUD DIA.	15 in   380 mm
SPUD LEG LIFTING	Cylinders 102 in (2,6m) stroke
<b>SWING ARRANGEMENT</b>	
SWING WINCHES	2
WIRE PULL	4 tons   40 kN
HAULING SPEED	0-49 ft/min   0-15 m/min
SWING ANCHORS	Stevin 661 lbs (300 kg)
<b>OPTIONS</b>	
ANCHOR BOOMS	
SPUD CARRIER	
DENSITY AND VELOCITY METER	
EXTENDED DREDGING DEPTH	



\*Calculated Productive Curve is for reference only.

Material type	Grain size	In situ density
Fine sand	d50 = 100 μm	ρ = 1.43t/cu. yd (ρ = 1.90 t/m³)
Medium sand	d50 = 235 μm	ρ = 1.47t/cu. yd (ρ = 1.95 t/m³)
Coarse sand	d50 = 440 μm	ρ = 1.51t/cu. yd (ρ = 2.00 t/m³)
Sand and gravel	d50 = 1300 μm	ρ = 1.66t/cu. yd (ρ = 2.20 t/m³)

**Remarks:**

- No cutter Limitation
- Geodetic height: +13 ft (4 m)
- Discharge pipe: 16 in (400 mm)
- Dredging depth: -26 ft (8 m)



## Gator 40 | Cutter Suction Dredge

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