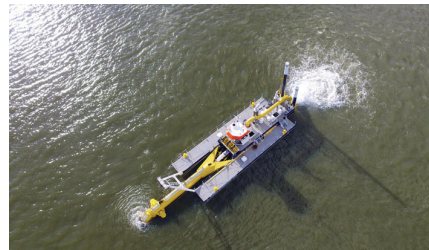




Gator 45 | Cutter Suction Dredge



Neptune has developed its own cutter dredge, the Gator. 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 Dredge enables you to perform safe and secure dredging operations and can also be optionally outfitted with spud carriers or anchor booms.



VESSEL TYPE	Cutter Suction Dredge
DIMENSIONS	
LENGTH OA INCL. LADDER	82 ft 25,1 m
LENGTH PONTOONS	59 ft 18,1 m
BREADTH	21.6 ft 6,6 m
DEPTH MAIN PONTOON	8 ft 2,45 m
DEPTH SIDE PONTOONS	5.9 ft 1,8 M
DEPTH DRAUGHT	3.9 ft 1,2 m
HULL	
LENGTH MAIN PONTOON	36 ft 11,0 m
BREATH MAIN PONTOON	9.8 ft 3,0 m
DEPTH MAIN PONTOON	8 ft 2,45 m
LENGTH SIDE PONTOONS	53 ft 16,2 m
BREATH SIDE PONTOONS	5.9 ft 1,8 m
DEPTH SIDE PONTOONS	5.9 ft 1,8 m
DREDGING PARAMETERS	
DREDGING DEPTH (45°)	50 ft 15 m
SUCTION PIPE DIA.	18 in 450 mm
DISCHARGE PIPE DIA.	18 in 450 mm
TANK CAPACITIES	
FUEL OIL	+/- 4220 gals 2 x 8 m ³
HYDRAULIC OIL	+/- 396 gals 1.5 m ³
BALLAST	+/- 5,284 gals 4 x 5 m ³
POWER INSTALLED	
DREDGE PUMP DIESEL ENGINE	850 hp 634 kW
AUXILIARY DIESEL ENGINE	311 hp 232 kW
TOTAL INSTALLED	1,161 hp 866 kW

EQUIPMENT	
DREDGING EQUIPMENT	
CUTTER	Multi-Purpose, 6-Blade
POWER	150 hp 112 kW
SPEED	82 ft 0-30 rpm
DREDGE PUMP	18 in 450 mm
WEAR MATERIAL	82 ft GS32 / high wear resistant
PUMP ENGINE	82 ft Caterpillar C32
PUMP GEARBOX	82 ft Boone or equivalent
SPUD SYSTEM	
SPUD LEGS	2
SPUD LENGTH	42 ft 12,9 m
SPUD DIA.	18 in 457 mm
SPUD LEG LIFTING	Cylinders (8.5 ft 2,6 m stroke)
SWING ARRANGEMENT	
SWING WINCHES	2
WIRE PULL	60 kN
HAULING SPEED	0-49 ft/min 0-15 m/min
SWING ANCHORS	Stevin 794 lbs 360 kg
OPTIONS	
ANCHOR BOOMS	
SPUD CARRIER	
DENSITY AND VELOCITY METER	
EXTENDED DREDGING DEPTH	

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