



Gator 50 | Cutter Suction Dredger



Neptune has developed its own cutter dredger, the Gator. This type of cutter suction dredger 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 can also be optionally outfitted with spud carriers or anchor booms.



DIMENSIONS

LENGTH OA INCL. LADDER	35.0 m
LENGTH PONTOONS	24.0 m
BREADTH	7.9 m
DEPTH MAIN PONTOON	2.85 m
DEPTH SIDE PONTOONS	2.85 m
DEPTH DRAUGHT	1.2 m

HULL

LENGTH MAIN PONTOON	14.0 m
BREADTH MAIN PONTOON	3.0 m
DEPTH MAIN PONTOON	2.85 m
LENGTH SIDE PONTOONS	21.0 m
BREADTH SIDE PONTOONS	2.40 m
DEPTH SIDE PONTOONS	2,85 m

DREDGING PARAMETERS

DREDGING DEPTH (45°)	15.24 m
SUCTION PIPE DIA.	500 mm
DISCHARGE PIPE DIA.	500 mm

POWER INSTALLED

DREDGE PUMP DIESEL ENGINE	1356 kW
EMERGENCY POWER	Battery pack

DREDGING EQUIPMENT

CUTTER	multi-purpose
POWER	186 kW
SPEED	0-30 rpm
DREDGE PUMP	500 mm
WEAR MATERIAL	GS32 / high wear resistant
PUMP ENGINE	Caterpillar C3512 Tier 4
PUMP GEARBOX	KATSA

SPUD SYSTEM

SPUD LEGS	2
SPUD LENGTH	20.0 m
SPUD DIA.	610 mm
SPUD LEG LIFTING	Cylinders (2.0 stroke)

SWING ARRANGEMENT

SWING WINCHES	2
WIRE PULL	12 tons
HAULING SPEED	20 m/min
SWING ANCHORS	Delta Flipper

OPTIONS

ANCHOR BOOMS	Emergency generator
SPUD CARRIER	Extended dredging depth