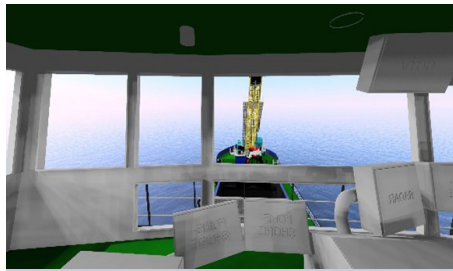




EuroGrabHopper 1000



For Port maintenance and marine construction works, Neptune has developed a Grab or Clam Shel Dredger. The vessel is built against strict sustainable performance requirements. At the core of the vessel is a rugged heavy duty cycle crane with lattice boom. The crane can be supplied with a wide variety of grab buckets and a freewheel is provided for optimum grab filling handling operations. The vessel can be delivered for (bio)diesel, Hydrogen and LNG operation and executed fully diesel direct execution. Telescopic spuds for simplified anchoring for a job have been integrated into the hull design. A suction tube and shore pumping can be fitted to the vessel as well.



CLASSIFICATION	Bureau Veritas, Lloyds Register, ABS, RINA to customers, Design Data provided under application of DR 68
DIMENSIONS	
LENGTH O.A. APPROX.	63,00 meters
BREADTH MLD.	14,00 meters
DEPTH	6,95 meters
DRAUGHT DREDGING	3,80 meters
PERFORMANCES	
SPEED	10 knots
DEADWEIGHT	1250 ton
HOPPER	1000 m ³
COMPLEMENT	10 persons
AUTONOMIE	14 days
POWER SYSTEM	
INSTALLED POWER	1800 kW
PROPULSION SYSTEM	2 X thruster
ACTIVE POWER MANAGEMENT	Yes (option)
AUXILIARIES	
BOW THRUSTER	350 ekW

TANKS	
FUEL OIL APPROX.	130 m ³
POTABLE WATER	38 m ³
BLACK & GREY WATER APPROX.	38 m ³
EQUIPMENT	
GRAB CRANE	20 ton @ 20 m
EXECUTION CRANE	All electric
BUCKET (STANDARD)	7 m ³
DREDGING DEPTH APPROX.	-30 meters
JET WATER PUMP	350 ekW
UNLOADING SYSTEM	Bottom doors (3 x)
OVERFLOW	Optional
OPTIONS	
	<ul style="list-style-type: none"> • Shore discharge • Telescopic spuds • Dumping grid • Barge unloading / discharge • Jetwater monitors • Dredging software

