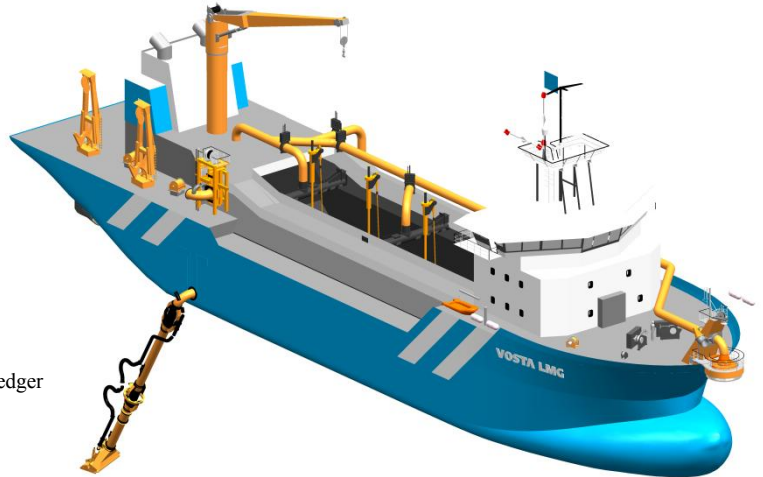


DATA SHEET TSHD 5000



General

Basic function Trailing suction hopper dredger

Classification GL / BV or equal

Main particulars

Length over all	91,3	m
Length betw. Perp.	79	m
Breadth, moulded	21	m
Draught, dredge mark	7.2	m
Deadweight, dredging	7,900	ton
Hopper capacity	5,000	m ³
Accommodation	14	Persons

Dredging Components

Trailing suction pipe	DN800	mm
Dredging depth	22	m
Overflow weir		
Loading boxes		
Dredge pumps	VL 900	
Unloading system	4x double doors	

Deck and safety

Anchors & Mooring equip.		
Auxiliary crane	0,98	ton
Maintenance crane	14	ton

Electric System

Main generators	875	ekW
Control and monitoring system		

Machinery

Main diesel engines	2x 1,590	kW
Auxiliary diesel gen. set	425	ekW

Options:

- Suction pipe extension 27m Dd
- Degassing installation
- Additional loading box,
- Adjustable overflow,
- Light mixture,
- Jet water medium or high pressure,
- Active drag head
- Swell compensator
- Bow coupling / nozzle, self emptying channel,
- DP zero
- DCMS automation
- Cradle for spares
- Live boat
- Bow thruster
- Additional cranes; deck, engine/pump room
- Workshops,
- Additional accommodation
- Green passport,
- HFO-380cSt
- Tropical condition
- Cradle for spares
- Walkway below deck
- Water ballast treatment

The VOSTA LMG designs range from the cutter suction dredgers and trailing suction hopper dredgers to the custom built cutter dredgers and custom build trailing suction hopper dredgers. The design are based on the latest design philosophies. Formed by of practical experience with dredgers of different international and thorough knowledge of technological development. The hopper dredgers in several capacities are well equipped to operate in a wide range of coastal zones dredging several materials. The hopper range is specifically designed for maintenance and land reclamation work in deep as well shallow water areas. The dredgers payload is optimized for transport a high amount of dredged material.

Main features:

- Low price per cubic meter at a wide range of jobs
- Shallow water operation and speed in shallow water optimized
- Bulbous bow with low resistance and low wave generation in shallow water.
- Low vibration levels
- Compact vessel with optimal maneuverability
- High payload
- High efficiency dredge pump
- Approved dredge control and monitoring system

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