

THSD 5000

Specifications

General

Basic function	Trailing suction hopper dredger
Classification	GL / BV or equal

Main Particulars

Length overall	91,3 m
Length betw. Perp.	79 m
Breadth, moulded	21 m
Draught, dredge mark	7,1 m
Deadweight, dredging	7,900 ton
Hopper capacity	5,000 m³
Accommodation	14 persons

Dredging Components

Trailing suction pipe	DN800 mm
Dredging depth	22 m
Overflow weir fixed	
Loading box	
Dredge pump white iron	VI 900
Unloading system	4x double doors

Deck and safety

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

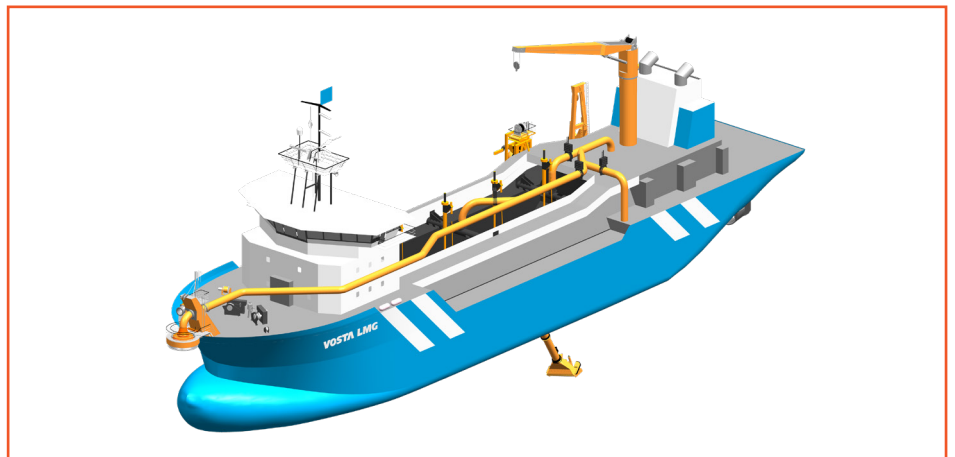
Electrical System

Main generator	875 ekW
Control and monitoring system	

Machinery

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

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.



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
Walkway below deck
Water ballast treatment

Dedicated functions*:

Lowest 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

