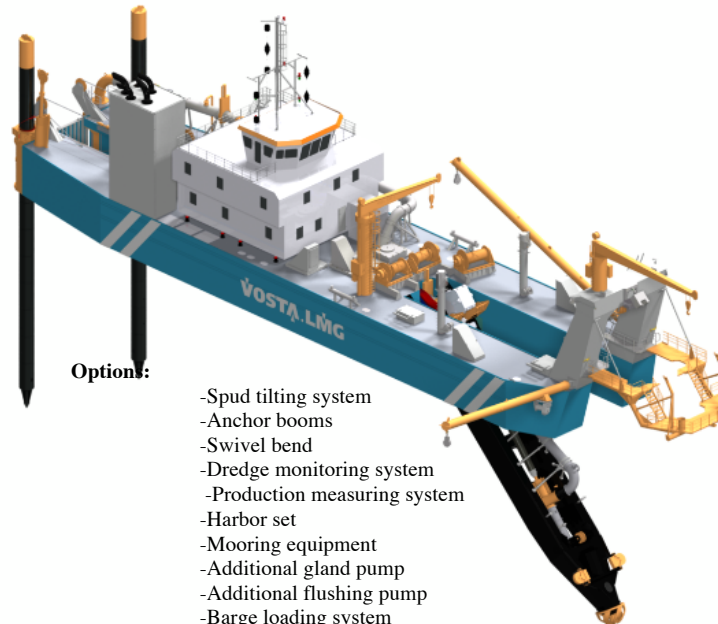


## DATA SHEET CSD 750



### Main Particulars

Length overall	76,7	m
Length over deck	66,2	m
Breadth, molded	15,2	m
Depth main pontoon	4,3	m
Design draught	3,2	m
Dredging depth min./max.	4 / 22	m
Suction pipe inner diameter	750	mm
Discharge pipe inner dia.	750	mm
Total weight	1955	ton
Total installed power	9300	kW

### Dredging Components

Cutter head	VOSTA T2	
Cutter Power	1000	kW
Under Water dredge pump	VOSTA LMG	750-1627
U.W. Dredge pump power	1830	kW
Inboard dredge pump	2xVOSTA LMG	750-1627
I.B. Dredge pump power	2350	kW
Side winch	2	pcs
Pulling force max.	400	kN
Ladder hoisting winch	1	pcs
Pulling force max.	400	kN
Spud system		
Working and holding spud		

### Deck Equipment

Deck crane	2x8	ton
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### Electrical System

Main generator (PF0,8)	300	ekW
Ship's main voltage	3x400	V
Ship's main frequency	50	Hz

### Main Drives

Diesel engines		
U.W. Dredge pump engine	2100	kW
I.B. 1 Dredge pump engine	2350	kW
I.B. 1 Dredge pump engine	2350	kW
Auxiliary engine	1800	kW
Harbour generator	700	kW

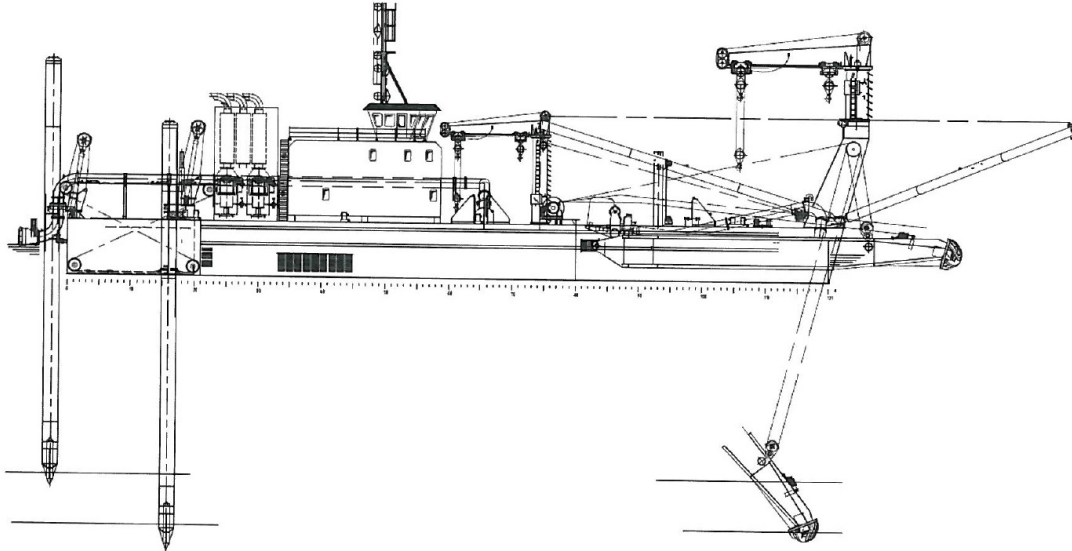
The standard cutter dredger CSD 750 is well equipped to operate in a wide range of coastal zones with several materials up to compact soils. It is specialized for maintenance and land reclamation work also in shallow water areas. The dredger is optimized for dredging compact sand, clay, weak rock.

### Dedicated functions':

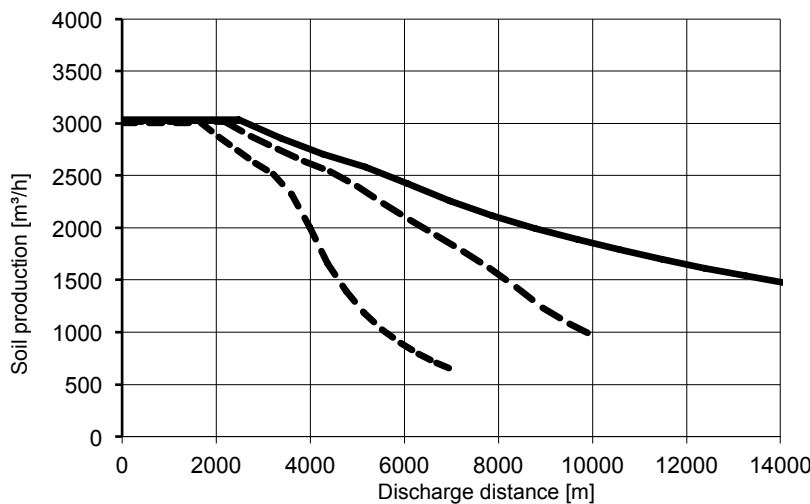
- Lowest price per cubic meter at a wide range of jobs
- Optimization of shallow water operation
- Minimization of vibration level
- Maximum of allover operation efficiency due to:
  - Optimization of anchor/spud maneuver
  - Operation with high efficient cutter head with special patented cutter teeth of highest wear resistance
  - Operation with high efficiency dredge pump with optimized suction performance
  - Operation with approved dredge control/monitoring system, automation of dredging process

\*) to get all functions optional equipment required

## DATA SHEET CSD 750



### VOSTALMG Dredging Technology



### Estimated dredge pump production diagram VL CSD 750

dredge pump type: 2 x VL 750 -1627

uw pump shaft power: 1830 kW  
uw pump nominal speed: 365 rpm

ib pump shaft power: 2350 kW  
ib pump nominal speed: 415 rpm

suction pipe dia.: 750 mm  
discharge pipe dia.: 750 mm

pipe elevation: 4 m

dredging depth: 22 m

water density: 1025 kg/m³  
density solids: 2650 kg/m³

#### Remarks

- production curves for reference only
- free flowing sand conditions considered
- production limitation due to soil/cutterhead not considered
- production based on effective cutting hours

—	VL d50 = 0,100 mm, soil dens. 1,90 t/m³
- - -	VL d50 = 0,235 mm, soil dens. 1,95 t/m³
- · - · -	VL d50 = 0,440 mm, soil dens. 2,00 t/m³