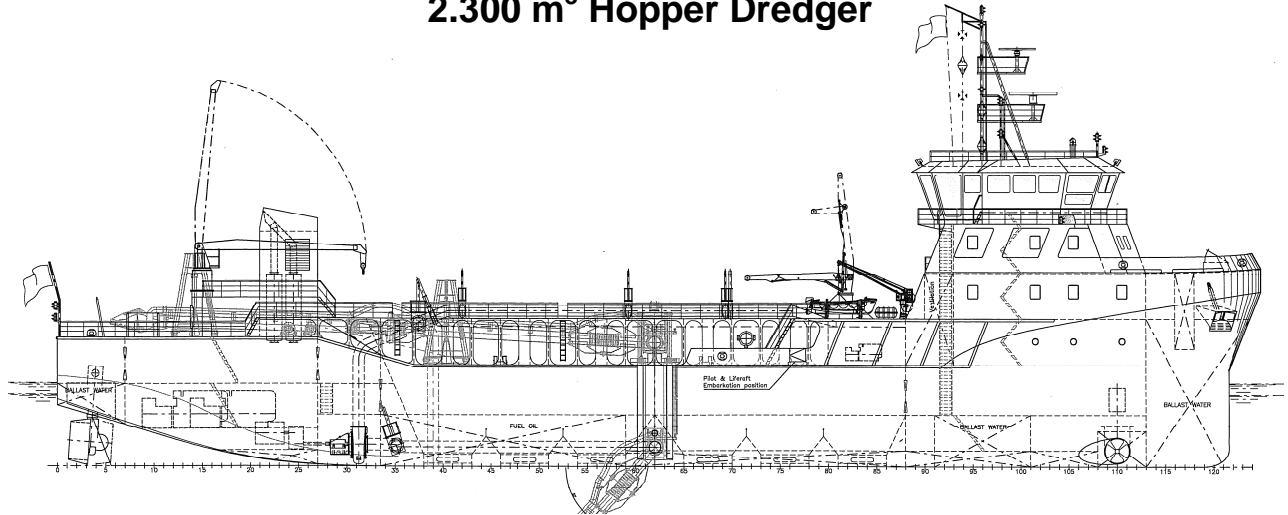


## 2.300 m<sup>3</sup> Hopper Dredger



### Class Notation

Bureau Veritas Class 1 \* HULL Hopper dredger Unrestricted Navigation Dredging over 15 miles from shore \* MACH \* AUT-UMS COMF 3

### Principle dimensions and capacities

Length over all:	75,00	m
Length between perpendiculars:	70,70	m
Breadth moulded:	15,85	m
Depth to maindeck:	6,35	m
Design draught:	4,50	m
Deadweight at design draught:	2.750	t
Dredging draught:	5,60	m
Deadweight at dredging draught:	3.775	ton
Hopper capacity:	2.300	m <sup>3</sup>
Gross tonnage (abt):	<3.000	GT
Gasoil capacity:	279	m <sup>3</sup>
Potable water capacity:	34	m <sup>3</sup>
Ballast water capacity:	1557	m <sup>3</sup>

### Speed

Trial speed:	12,0	kn
Service speed:	10,0	kn
(Established at max.draught and M.E. output of 90% MCR and disconnected shaft generator)		

### Construction particulars

The vessel is equipped with one hopper, enclosed by double bottom tanks and side tanks, designated for water ballast and fuel oil. Construction based on longitudinal- and transverse framing.

### Dredging equipment

The vessel has been designed for a hopper load density of 1.0 – 2.2 t/m<sup>3</sup> with a maximum dredge depth of 25m. The diameter of the dredge arm is 700 mm, connected on a 800kW dredge pump.

Discharge is performed by two discharge connections on both sides or by six bottom doors.

### Safety and fire fighting equipment:

One (1) rescue boat  
Life rafts according to class requirements  
CO2 system  
High fog local protection system

### Accommodation / domestic systems:

Air-conditioned accommodation is created for captain, 3 officers, 1 cook and 5 crew members.  
One (1) sewage treatment unit  
One (1) evaporator (5 m<sup>3</sup>/24h)

### Electrical installation, power distribution:

for power supply:	3 x 400 Volt / 50 cycles
for lighting/small cons:	3 x 230 Volt / 50 cycles
for controls, navigation lights:	24 Volt / D.C
for alarm/controls:	24 Volt / D.C

### Propulsion & electrical installation, power generation:

Three (3) Diesel alternators	3.600	kW
Propulsion by 2 rudder propellers, each:	1.500	kW

One (1) emergency/harbour generator set of 81 kVa at 1500 rpm  
One (1) bowthruster, electrical driven, frequency controlled, fixed pitch propeller, capacity approx.: 350 kW