



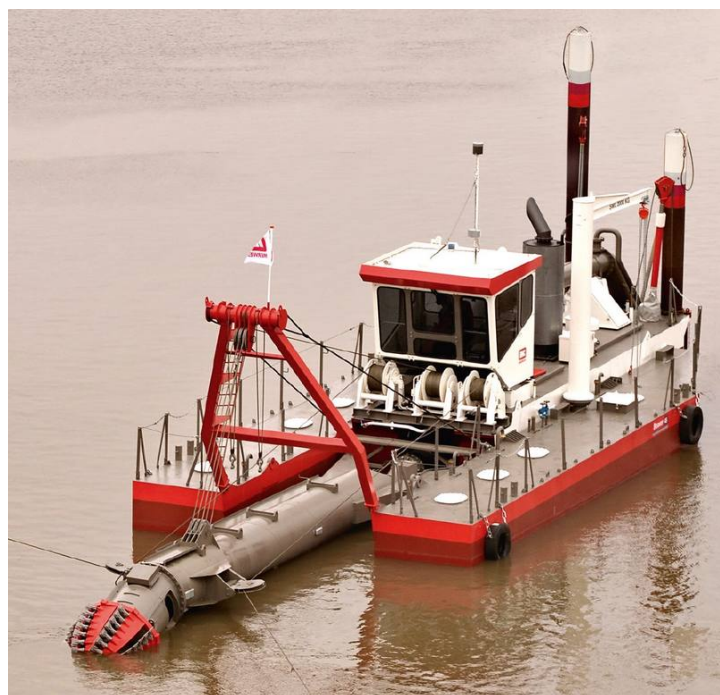
# SEABOATS

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## NEW 16.5m Cutter Suction Dredger



### Listing ID - 3330

**Description** 16.5m Cutter Suction Dredger

**Date** 2020

**Launched**

**Length** 16.50m (54ft)

**Beam** 6.81m (22ft 4in)

**Location** Caspian Sea

**Broker** Richard Pierrepont  
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**Price** EUR 2 million

The IHC Beaver® 45 is reliable, fuel efficient and has low maintenance costs. This robust and highly productive dredger is equipped with state-of-the-art technology, including the following key features:

- low cost per cubic metre
- an exceptional rate of pumping power
- first class ergonomics and diagnostics
- Cutter Special® pump that combines high efficiency and a large ball passage to provide a high level of availability
- low maintenance and efficient power distribution with a single diesel engine
- environmentally friendly solutions, such as LED lighting
- enhanced safety features.

**Reliable and efficient**

The IHC Beaver® is well known for its robust construction, reliable operation and excellent performance. To date, Royal IHC (IHC) has supplied more than 800 of these standard cutter suction dredgers worldwide.

### **Transportable and deliverable from stock**

IHC Beaver® dredgers can be dismantled for transport via road, rail or sea. A wide range of optional equipment is available, as well as complementary auxiliary equipment, such as work boats and discharge pipelines. These vessels are mostly delivered from stock.

### **Service and support**

IHC can provide a complete package of spare parts, maintenance support, equipment training programmes, dredging advisory services and dredge operators for hands-on instruction and commissioning.

### **Dimensions**

Length overall (ladder raised), approx. 26.1m

Length over pontoons 16.50m

Breadth 6.81m

Depth 2.01m

Side pontoons 11.75 x 1.89 x 1.97m

Mean draught with full bunkers 1.40m

Maximum standard dredging depth 10.0m

Suction pipe diameter 450mm

Discharge pipe diameter 450mm

Total installed power 746kW

### **Swing width with 35° swing each side**

At maximum dredging depth 23.0m

At minimum dredging depth 28.5m

### **Dredge pump**

Type IHC HRCS 108-23-45, single-walled

Engine type Caterpillar C32 TTA Acert

Continuous engine power 746kW @ 1,800rpm

Specific fuel consumption 204.9g/kWh

Ball passage 225mm

### **Electrical installation**

Voltage 24V DC

Battery capacity 400 Ah

### **Cutter**

Type IHC 1330-120, 5-bladed cutter

Power at shaft 110kW

Diameter 1,330mm

Maximum speed, approx. 34rpm

### **Ladder and swing winches**

Line pull, first layer 57kN

Maximum line speed 25m/min

Wire diameter 18mm

Drum diameter 390mm

Swing wires length 100m

Anchor weight 360kg

### **Spuds**

Length 13.85m

Diameter 457mm

Weight 2,260kg

### **Spud hoisting cylinders**

Force 100kN

Spud stroke (each time), approx. 3.5m

### **Deck crane**

Lifting power 20kN

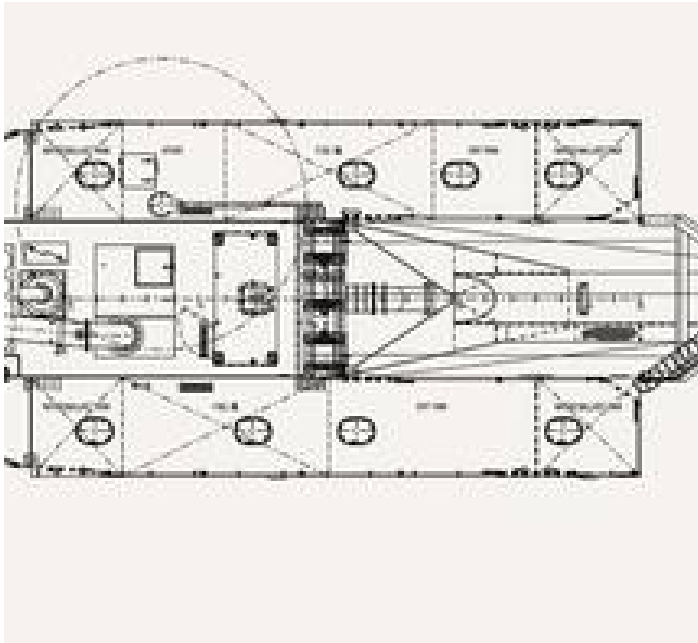
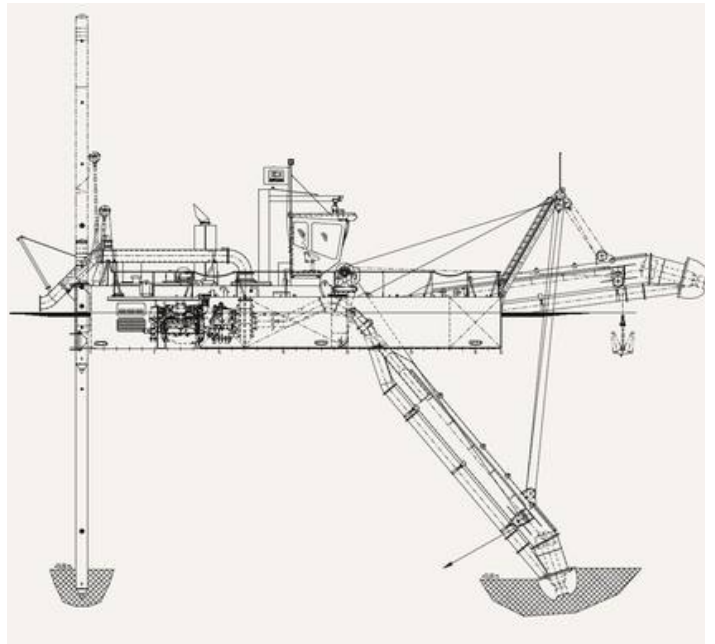
Outreach 2.8m

### **Other features**

- standard design, allowing for short delivery times and competitive pricing
- spare parts available from stock
- durable heavy-duty marine engine compliant with IMO Tier II
- efficient fuel consumption
- fresh-water engine cooling system
- dredge pump driven through integrated bearing block, clutch and reduction gearbox
- white iron-wear parts for the dredge pump
- cutter drive accepts temporary overload, resulting in high maximum cutter power
- reliable hydraulic system
- completely assembled and fully tested afloat before delivery
- dismountable and transportable by road, rail or sea
- ready for operation on arrival at site
- one-man operation
- wide range of services and auxiliary equipment available (including work boats, boosters and pipelines).

### **Optional extra's**

- spud-carriage installation
- anchor booms
- swivel bend
- non-return valve and vacuum-relieve valve
- production measurement, automation and positioning system
- Operator Assist System for online monitoring
- increased discharge pipeline diameter
- increased dredging depth
- life-cycle support packages (including training, technical support etc.)
- optional packages: comfort (including air conditioning); HSE (health, safety and environment); nautical; and inventory plus.



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