

"Today millions of cubic meters are moved by products which are developed, produced and maintained by Breeman International Supplies".

Cutter suction dredger BC500



Type :	BC500
Length:	22 meter
Width pontoons :	8 meter
Height pontoons :	2,5 meter
Depth :	1,25 meter
Suction pipe diameter :	500 mm
Discharge pipe diameter:	450 mm

This vessel has a dredge pump of type BBSH-50.50-3L.
 This pump is driven by a Caterpillar diesel engine C32 ACERT.
 Maximum dredging depth is 14 meter.
 Cutter power is 150 kW.

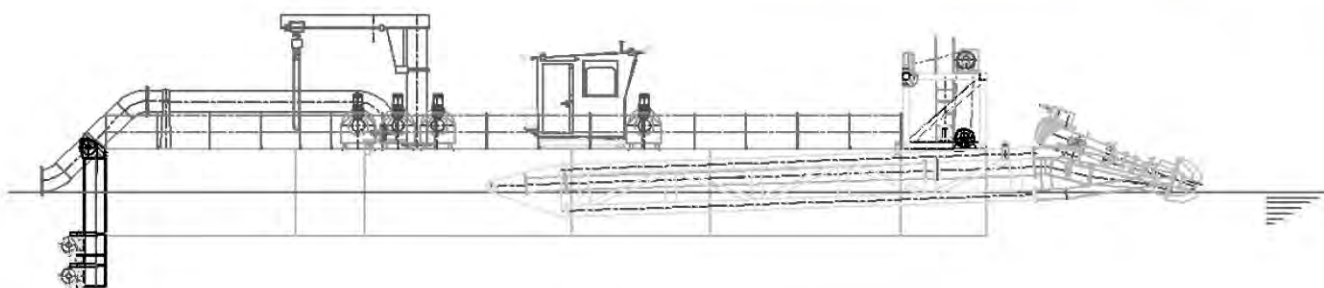


Breeman International Supplies

Breeman International Supplies delivers a wide range of unique standard products, with the quality label "A BREEMAN PRODUCT". These innovative standard products are highly appreciated and wanted, both national as well as international, for their practical applicability, reliability and durability.

Cutter suction dredger BC500

The BC500 is known for its robust construction reliable performance. The current range of demountable cutter suction dredgers with power outputs ranging from 150 to 1050 kW. The hull consists of five pontoons. All parts are dimensioned to allow transportation by road, rail or sea.



Various components are mounted in or on the main pontoon, including the cutter ladder, the two ladder actuator rams, control cabin, dredge pump, diesel engines and auxiliary power units, discharge line and the spuds with their actuator rams. The cutter and swing winches, mounted on the ladder, are powered by piston-type hydraulic motors.

Quality by people

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Technical Specification

Dredge pump

Type : BBSH-50.50-3L
Power: 740 kW

Dredge pump driven via combined pump block/reduction gearbox.

Cutter

Type: BC1330-5NR
Diameter: 1330mm
Speed: 15, 27, 34 rev/min

Engine installation

Generator set: Caterpillar C32 ACERT
Auxiliary engine: Caterpillar C9

Electrical installation

Voltage: 24 V
Capacity: 200 Ah

Winches

Hauling speed: 20 m/s
Pull on 1st layer: 80 kN
Wire diameter: 26 mm

Spuds

Length: 18 m
Diameter: 508 mm
Weight: 5120 kg

Swing width with 35°

At max. dredging depth: 14 m

Deck crane

Lifting power: 2800 kg

Tools

Special tools are supplied for maintenance of dredge pump and diesel engine

Optional equipment

Anchor booms
Spud carriage
Increased dredging depth
Swivel bend
Non-return valve
Production measuring equipment
Air conditioning



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