

CSD 450

Cutting Suction Dredger



The Cutter Suction Dredger CSD450 may be used only to transfer mud, sand, gravel and or water mixtures or other similar materials.

GENERAL DATA

Type	Cutting Suction Dredger
Year built / Place of build	2009/Damen, Nederland
Class	RMRS KE ⚓ R3 Dredger
Flag	Azerbaijan
Registered Number	140359
DAMEN N°	561416-2008 Year

DIMENSIONS

Length	20.80 m
Length including cutter (overall)	33.0 m
Breadth molded	6.95 m
Molded Depth	1.80 m
Summer Draft	0.65 m
Freeboard at Summer	- mm
Draft Gross Tonnage	41,75 t
Net Tonnage	12,53 t
Total weight empty ship	115 t

CAPACITIES

Fuel Oil	2 x 9.4 m ³
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BALLAST SYSTEM

Ballast tank forward	2 x 3 m ³
Ballast tank Aft	2 x 2 m ³

PROPULSION

Caterpillar	CAT3508B-SCAC 638 kW (855 Hp) 1600 rpm
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AUXILIARIES

Dizel Engine Catapilla	CAT 3406C 228kw(329Hp) 1800rpm
Generator Newage	36 kw BC184C-2
Stanford	V-Belt
Cool water pump	Johnson CN40-125 V-belt
Hydraulic motor	Directly driven Renroth A11VLO190 190cc10-330 dm ³ /m

SPEED

Maximum	0-15 mtrs/min
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FUEL CONSUMPTION PER DAY

Main Engine	157 L/hr
AUX Engine	60 L/hr

ACCOMMODATION

Cabin	1 x cabin for 3 people
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DREDGING EQUIPMENT

Ancor	2 x 500 kq
Wire Length	2 x 120 m dia 20 mm and 1 x 100 m dia 20mm
Max Load	7 Tonnes on frist layer

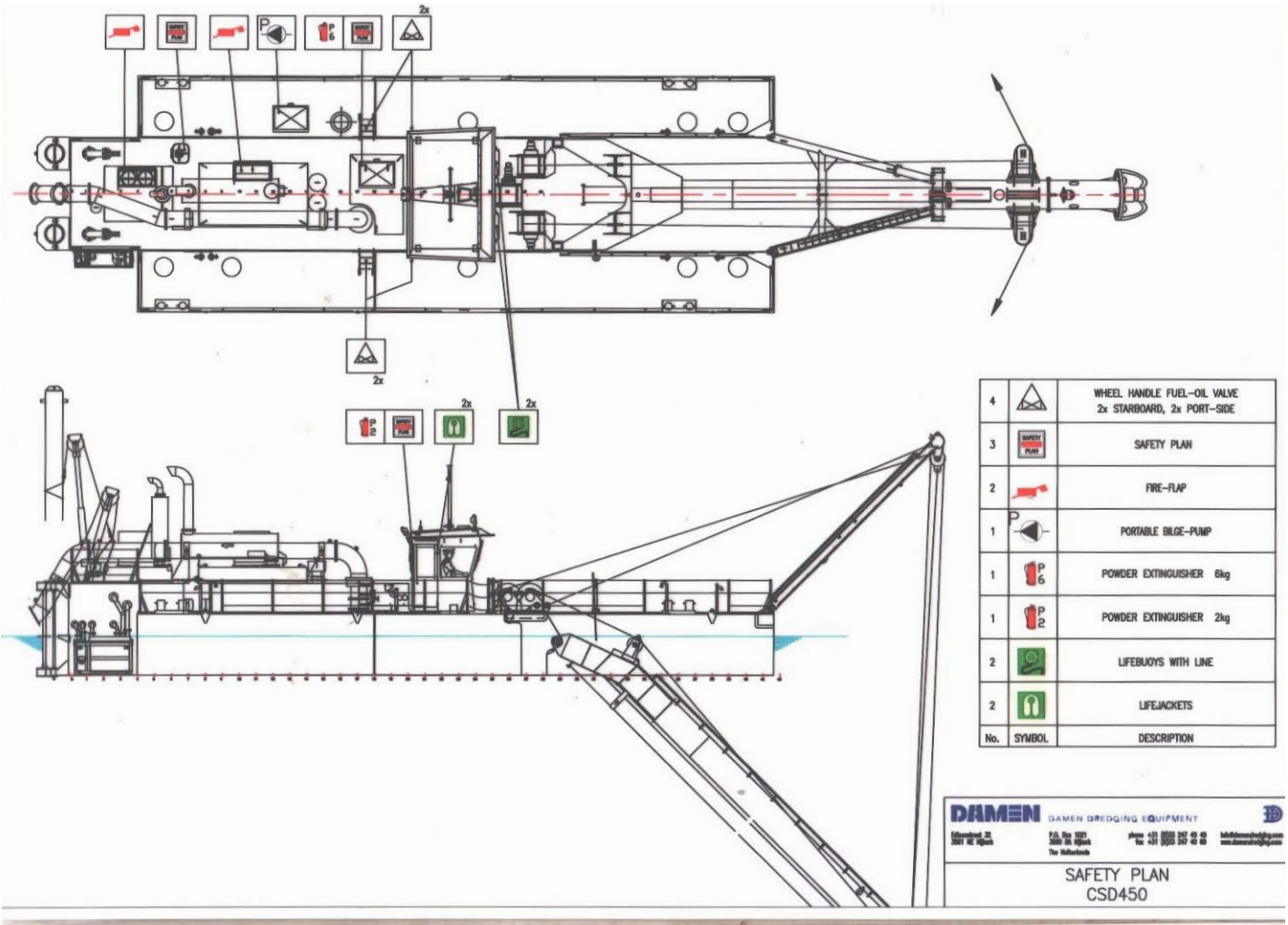
DREDGING EQUIPMENT

Type	BP-45-1100
Dredger Pump	636 kw
Cutter Power	110 kw (150 hp) at 32 rpm
Cutte Suction pipe diameter	450 mm
Discharge pipe diameter	450 mm
Max cutting depth at 45°	12 m
Minimum dredging depth	1,5 m (ladder angle 2,5°)
Impeller diameter	1100 mm
Impeller width	215 mm
Number of blades	5
Mixture capacity, mar power	3000 m ³ /h

2 pcs Powder Extinguisher	6 kq
2 pcs Powder Extinguisher	2 kq
Lifejackets	3 pcs
Lifebuoys with line	2 pcs

VESSEL SPECIFIC CHARACTERISTICS

The "CSD 450" is a Cutting suction dredger, capable of operating down to 12 meters depth. The four bladed head can rotate at 32 rpm, with two anchors and 120 meters of wire on a 7 tons pulling winch, the vessel is ideal for dredging in harbours and other sheltered waters. The vessel can operate not more than 1 mile from the shore in not more than sea state 3.



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