



DAMEN CUTTER SUCTION DREDGER 500

”JIDE VIII”

GENERAL

YARD NO.	B13.0336/ YN561541
TYPE	CSD500
DELIVERY DATE	August 2013
BASIC FUNCTIONS	Capital dredging and maintenance

DREDGING FEATURES

DREDGING DEPTH	-14 m
MIXTURE CAPACITY	4,000 m ³ /h

DREDGE INSTALLATION

DREDGE PUMP TYPE	BP5045
DIAM. SUCTION/DISCHARGE PIPE	550/500 mm
CUTTER TYPE	5-1625 (with changeable chisels)
CUTTER POWER	180 kW

ENGINE INSTALLATION

DREDGE PUMP DIESEL	Caterpillar 3512B
CONTINUOUS POWER RATING	954 kW @ 1,600 rpm
AUXILIARY DIESEL	Caterpillar C12 TA
PRIME POWER RATING	339 kW @ 1,800 rpm
HYDRAULIC INSTALLATION	Driving cutter, winches and spuds
ELECTRICAL INSTALLATION	24 V DC and 230/400 V AC, 34 kVA

PRINCIPAL DIMENSIONS

LENTH O.A. INCL. LADDER	38.50 m
LENGTH OVER PONTOONS	35.50 m
BEAM	7.95 m
DRAUGHT	1.00 m
AIR DRAUGHT	6.40 m
TOTAL WEIGHT	143 ton

TANK CAPACITIES

FUEL OIL APPROX.	22.0 m ³
BALLAST WATER (FORE AND AFT)	8.7 m ³ (4x)
HYDRAULIC OIL	2.5 m ³

DECK MACHINERY

LADDER WINCH	Hydraulic, 120 kN, 0-15 m/min
SWING WINCHES (2X)	Hydraulic, 120 kN, 0-15 m/min
SPUDS (2X)	Ø 610 mm, length 19 m
SPUD HOISTING (2X)	Hydraulic cylinder, stroke 1,500 mm

INSTRUMENTS

- Dredging depth indicator
- Vacuum and pressure indication of dredge pump

REMARKABLE FEATURES

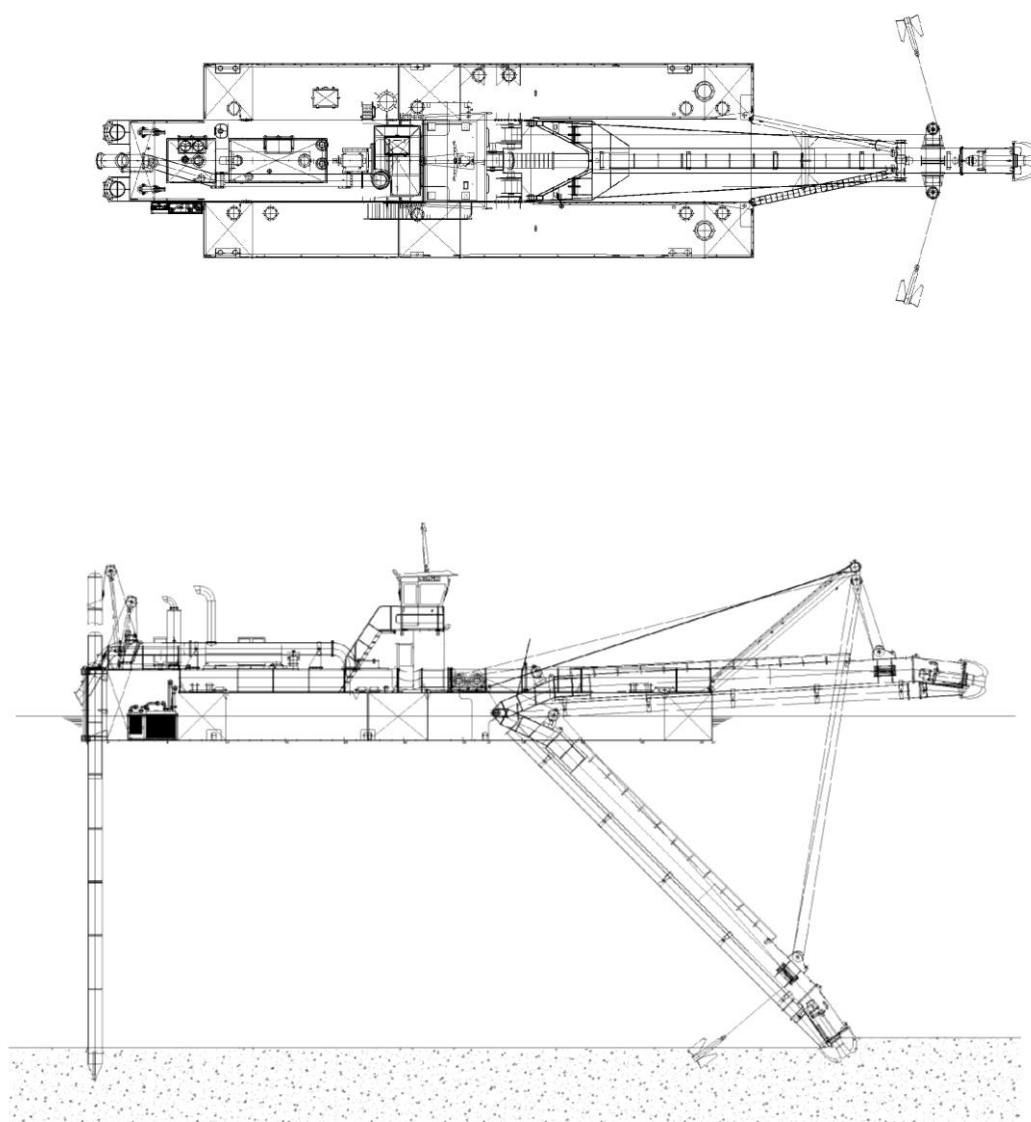
- Dismountable design
- Transportable by road or train
- Heavy duty robust design
- Simultaneous operation of all functions possible
- Spacious ergonomic designed control cabin and engine room
- Operators cabin with air conditioning
- Scantlings well in excess of class regulations

PROVIDED OPTIONS

- Day accommodation

OWNER

West African client



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DAMEN

DAMEN DREDGING EQUIPMENT

Member of the DAMEN SHIPYARDS GROUP



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