



DAMEN CUTTER SUCTION DREDGER 500

"JIDE VI"

GENERAL

YARD NO.	B07.0351
TYPE	CSD500
DELIVERY DATE	November 2008
BASIC FUNCTIONS	Mining and maintenance dredging

DREDGING FEATURES

DREDGING DEPTH	16 m
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DREDGE INSTALLATION

DREDGE PUMP TYPE	BP5045MD
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 @ 1600 rpm
AUXILIARY DIESEL	Caterpillar 3406-C TA
PRIME POWER RATING	345 kW @ 1800 rpm
HYDRAULIC INSTALLATION	driving cutter, winches and spuds
ELECTRICAL INSTALLATION	24 Volt DC and 230/400 Volt AC, 34 kVA

PRINCIPAL DIMENSIONS

LENTH O.A. INCL. LADDER	38.50 m
LENGTH OVER PONTOONS	24.00 m
BEAM	7.95 m
DEPTH	2.00 m
DRAUGHT	1.15 m

TANK CAPACITIES

FUEL OIL APPROX.	22 m ³
BALLAST WATER (FORE AND AFT)	32 m ³

DECK MACHINERY

LADDER WINCH	hydraulic, 120 kN, 0-15 m/min
SWING WINCHES (2X)	hydraulic, 120 kN, 0-15 m/min
ANCHOR B OOM WINCHES	hydraulic, 40 kN, 0-25 m/min
SPUDS (2X)	Ø 610 mm, length 22 m
SPUD HOISTING (2X)	hydraulic cylinder, stroke 1500 mm
SPUD CARRIAGE	traveling cylinder, stroke 3500 mm
DECK CRANE	hydraulic knuckle boom crane lifting capacity 10 ton

INSTRUMENTS

Dredging depth indicator
Vacuum and pressure indication of dredge pump

REMARKABLE STANDARD FEATURES

- Dismountable design
- Heavy duty robust design
- Scantlings well in excess of class regulations
- Spacious ergonomic designed control cabin and engine room
- Simultaneous operation of all function possible
- 230/400 Volt AC installation
- Operators cabin with air conditioning

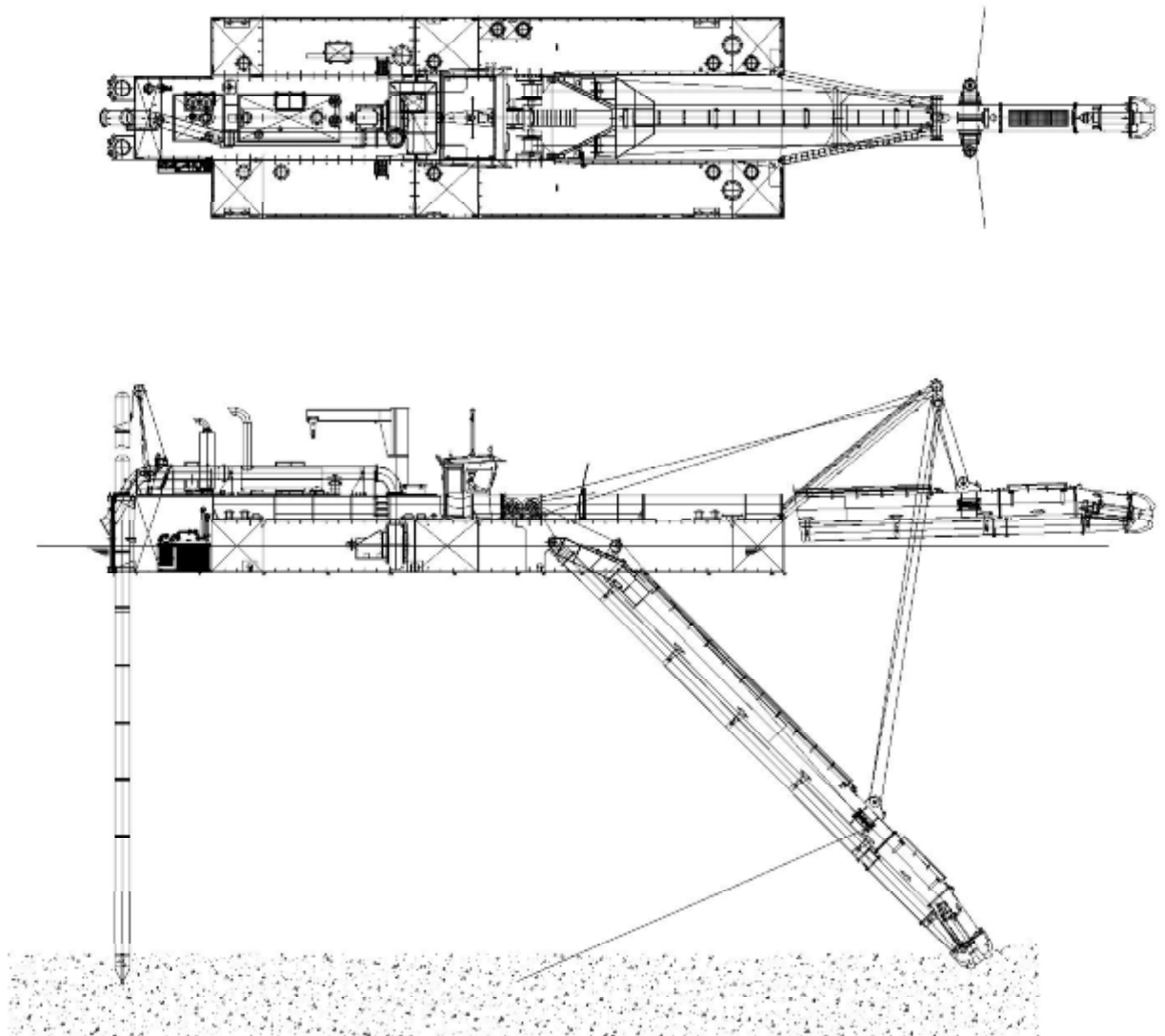
PROVIDED OPTIONS

- Enlarged dredging depth
- Jib crane

OWNER

Fountain Construction, Nigeria

DAMEN



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DAMEN

DAMEN DREDGING EQUIPMENT

Member of the DAMEN SHIPYARDS GROUP



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