

# DAMEN CUTTER SUCTION DREDGER 500

## GENERAL

YARD NO.	B08.0606 – YN561518
TYPE	CSD500
DELIVERY DATE	June 2009
BASIC FUNCTIONS	Mining and maintenance dredging
CLASSIFICATION	Bureau Veritas sheltered waters

## DREDGING FEATURES

DREDGING DEPTH	14 m
MIXTURE CAPACITY	4000 m <sup>3</sup> /h

## 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	25.50 m
BEAM	7.95 m
DEPTH	2.00 m
DRAUGHT	1.15 m

## TANK CAPACITIES

FUEL OIL APPROX.	22 m <sup>3</sup>
BALLAST WATER (FORE AND AFT)	32 m <sup>3</sup>

## 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 22 m
SPUD HOISTING (2X)	hydraulic cylinder, stroke 1500 mm

## DREDGING INSTRUMENTATION

- 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 functions possible
- 230/400 Volt AC installation
- Operators cabin with air conditioning

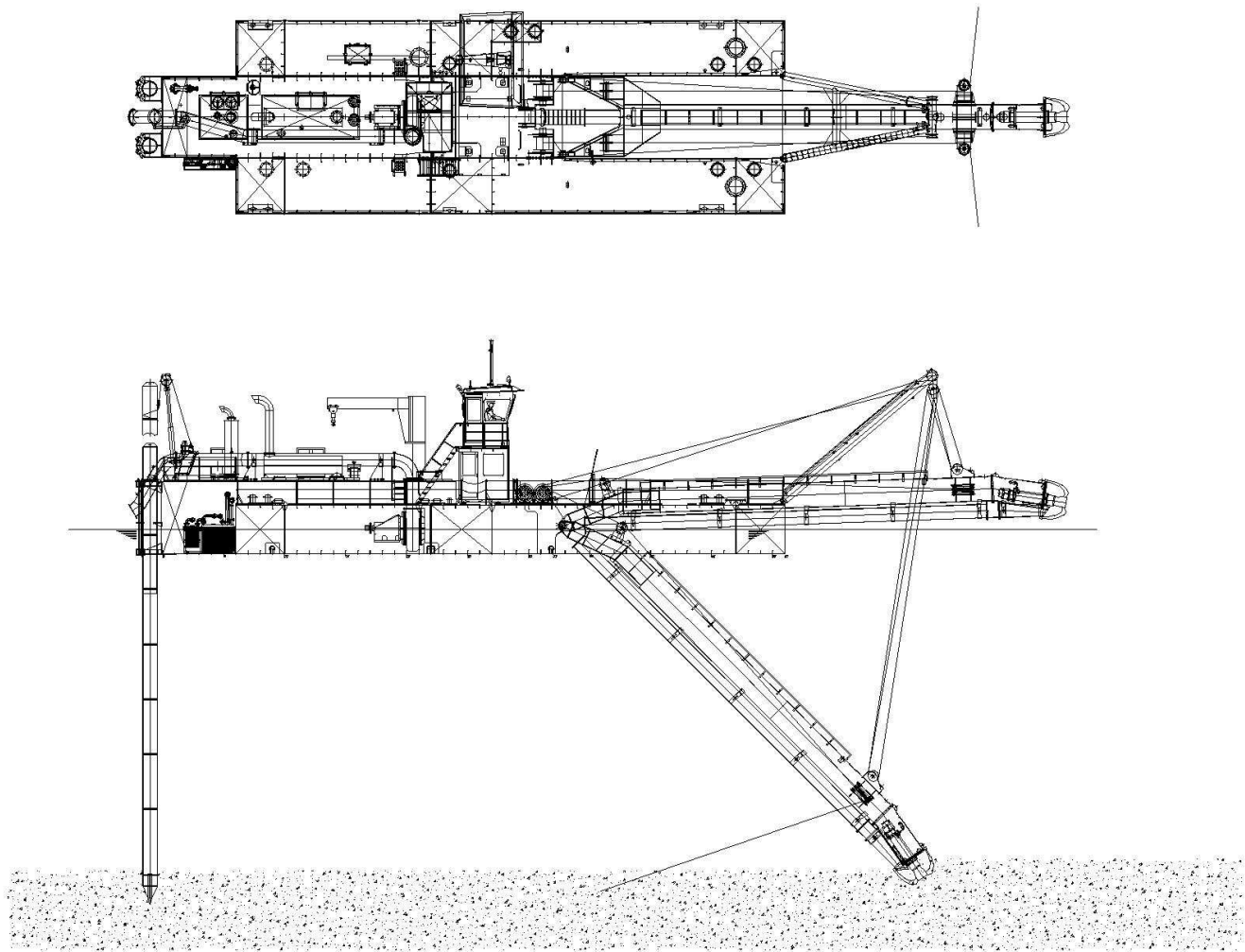
## PROVIDED OPTIONS

- Spacious deck house
- Sleeping cabin PS fore pontoon
- Jib Crane

## OWNER

Caspian Marine Services, Azerbaijan

# DAMEN



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**DAMEN**

DAMEN DREDGING EQUIPMENT

Member of the DAMEN SHIPYARDS GROUP



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