



DAMEN CUTTER SUCTION DREDGER 450

GENERAL

YARD NO.	B10.0622 – YN561421
TYPE	CSD450
DELIVERY DATE	February 2011
BASIC FUNCTIONS	Mining and maintenance dredging

DREDGING FEATURES

DREDGING DEPTH	-12 m
MIXTURE CAPACITY	3000 m ³ /h

DREDGE INSTALLATION

DREDGE PUMP TYPE	BP45-1100
DIAM. SUCTION/DISCHARGE PIPE	450/450 mm
CUTTER TYPE	5-1500 (with changeable chisels)
CUTTER POWER	110 kW

ENGINE INSTALLATION

DREDGE PUMP DIESEL	Caterpillar 3508B
CONTINUOUS POWER RATING	637 kW @ 1600 rpm
AUXILIARY DIESEL	Caterpillar 3406-DITA
PRIME POWER RATING	228 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	32.80 m
LENGTH OVER PONTOONS	25.50 m
BREADTH	6.97 m
DEPTH	1.00 m
DRAUGHT	6.10 m
TOTAL WEIGHT	117 ton

TANK CAPACITIES

FUEL OIL APPROX.	18.8 m ³
BALLAST WATER (FORE AND AFT)	4x6.2 m ³
HYDRAULIC OIL	1.5 m ³

DECK MACHINERY

LADDER WINCH	Hydraulic, 80 kN, 0-15 m/min
SWING WINCHES (2X)	Hydraulic, 80 kN, 0-15 m/min
SPUDS (2X)	Ø 508 mm, length 18 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

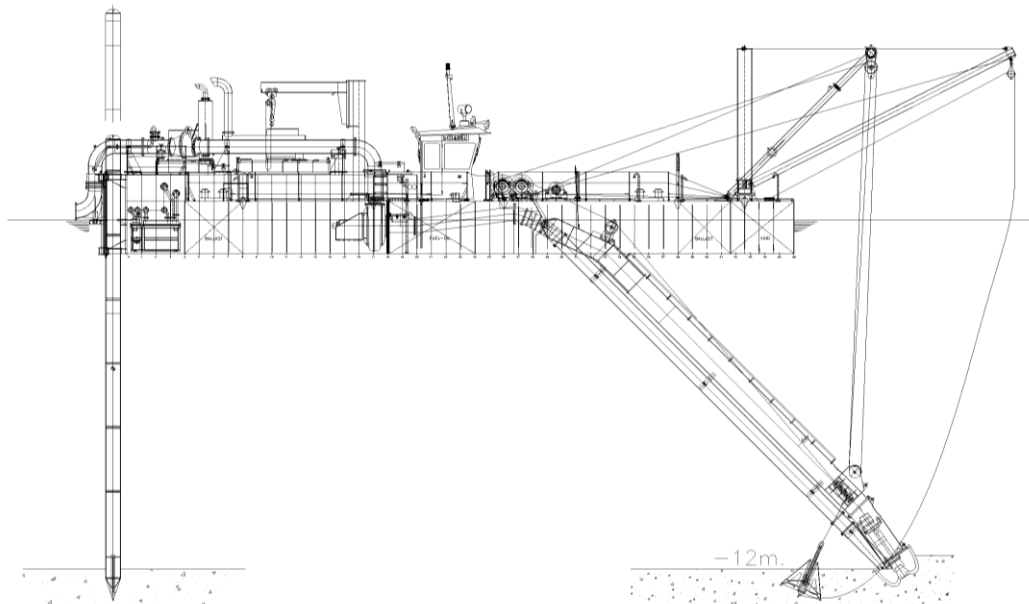
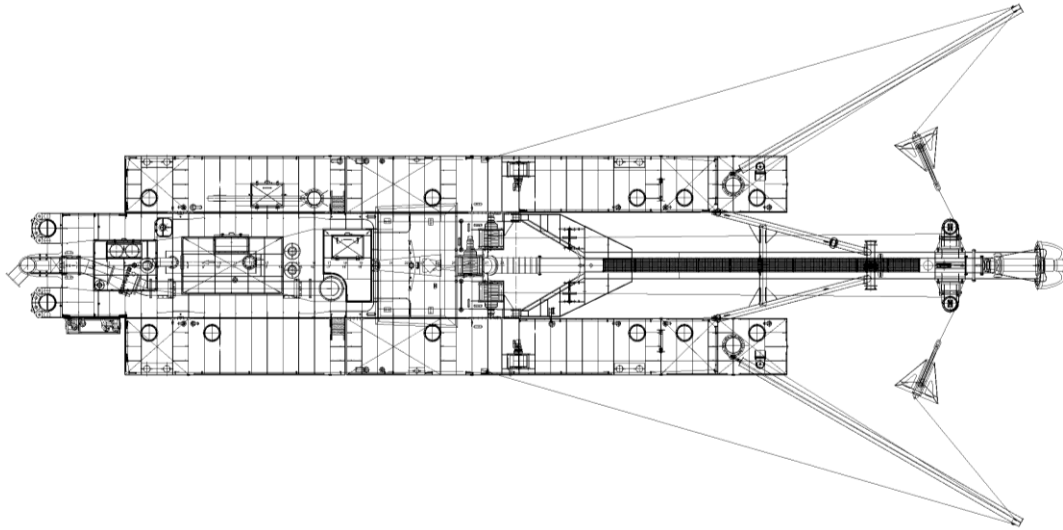
PROVIDED OPTIONS

- Anchor boom installation
- Non return valve
- Stern swivel
- Jib Crane

OWNER

Iraqi Ministry of Water Resources, Iraq

DAMEN



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DAMEN DREDGING EQUIPMENT

Member of the DAMEN SHIPYARDS GROUP



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