



# DAMEN CUTTER SUCTION DREDGER 450

“JIDE V”

## GENERAL

YARD NO.	B07.0350
TYPE	CSD450
BASIC FUNCTIONS	Mining and maintenance dredging

## DREDGING FEATURES

DREDGING DEPTH	-14 m
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## 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

LENGTH O.A. INCL. LADDER	38.85 m
LENGTH OVER PONTOONS	20.80 m
BREADTH	6.95 m
DEPT	1.15 m
DRAUGHT	4.9 m
TOTAL WEIGHT	114 ton

## TANK CAPACITIES

FUEL OIL APPROX.	2x9.4 m <sup>3</sup>
BALLAST WATER (FORE AND AFT)	4x6 m <sup>3</sup>
HYDRAULIC OIL	1.5 m <sup>3</sup>

## 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

## INSTRUMENTS

Dredging depth indicator  
Vacuum and pressure indication of dredge pump

## REMARKABLE 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

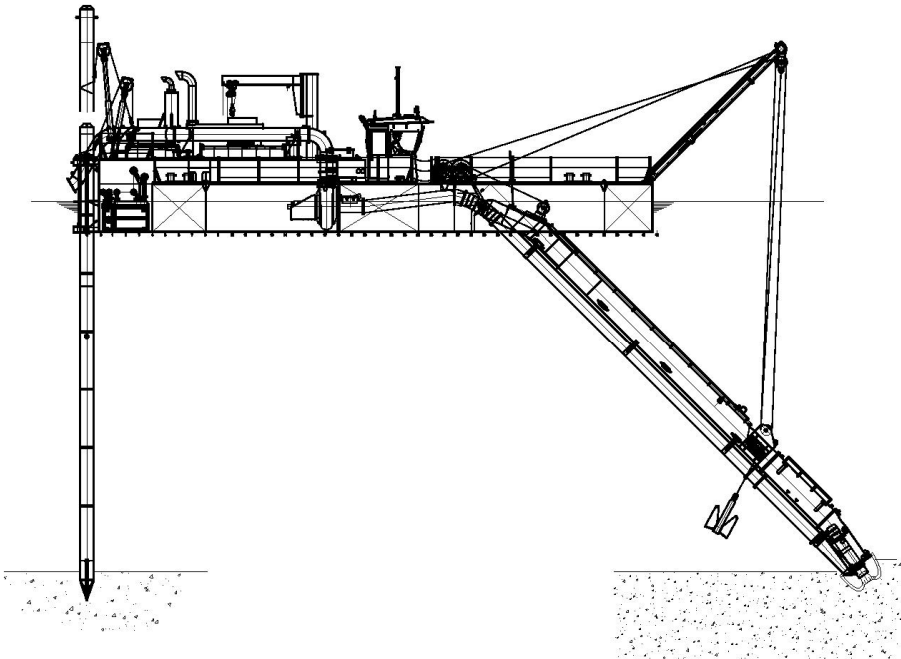
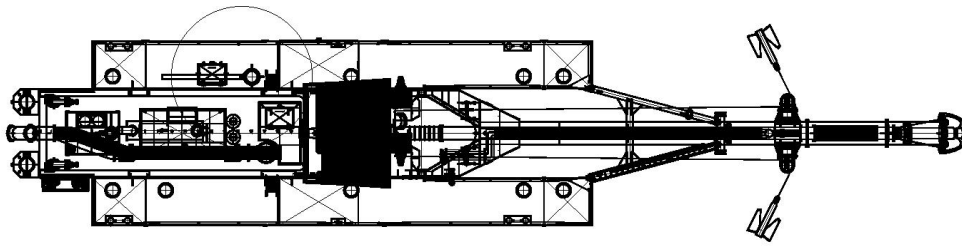
## PROVIDED OPTIONS

- Ladder extension
- Jib crane

## OWNER

Zomay Marine and Logistics LTD, Nigeria

**DAMEN**



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# DAMEN

DAMEN DREDGING EQUIPMENT

Member of the DAMEN SHIPYARDS GROUP



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