



**PT. DUMAS**  
TANJUNG PERAK SHIPYARD



## CUTTER SUCTION DREDGER<sup>®</sup> 500

Ordered by : William Lloyds Technical Co.Ltd

BUILT UNDER LICENCE FROM A SHIPBUILDING KIT SUPPLIED BY DAMEN TECHNICAL COOPERATION

### GENERAL

YARD NUMBER : 561506  
DELIVERY DATE : April 2009  
BASIC FUNCTION : Cutter Suction Dredging  
FLAG : Nigerian  
OWNER : William Lloyds Technical Co.Ltd

### BUILDING YARD

NAME : PT. Dumas Tanjung Perak Shipyard  
COUNTRY : Indonesia

### DIMENSIONS

LENGTH INCL. LADDER : 38.50 m  
LENGTH OVER PONTOON : 25.50 m  
BEAM O.A : ± 7.95 m  
DREDGING DEPTH : 14.00 m  
DRAUGHT (100% FILLED BUNKERS) : ± 1.15 m  
AIR DRAUGHT (SPUDS REMOVED / LADDER UP) : ± 6.40 m  
DISPLACEMENT : 140 ton

### TANK CAPACITIES

FUEL OIL : 22 m<sup>3</sup>  
BALLAST : 36 m<sup>3</sup>  
HYDRAULIC OIL : 2.5 m<sup>3</sup>

### DREDGER INSTALLATION

CUTTER TYPE : TSC04 5 bladed (changeable knives, pick points or chisels)  
- CUTTER DIAMETER : 1.625 mm  
- CUTTER SPEED : Variable 0 - 30 rpm  
- CUTTER POWER : 180 kW  
DIAMETER DISCHARGE PIPE : Ø500 mm

### ENGINE INSTALLATION

DREDGE PUMP DIESEL : Caterpillar 3512 B TA  
OUTPUT : 954 kW at 1600 RPM  
AUXILIARY DIESEL : Caterpillar 3406 C TA  
OUTPUT : 345 kW at 1800 RPM

### ACCOMMODATION

Control cabin on main deck, with air-conditioning and ergonomic designed control panels

### DIMENSIONS

Dredging depth indicator  
Vacuum and pressure indication of dredge pump

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