



DAMEN CUTTER SUCTION DREDGER 500

"COOPOR LA PORTURIA"

GENERAL

YARD NO.	YN561555
TYPE	CSD500
READY FOR SHIPMENT	July, 2016
BASIC FUNCTIONS	Capital mining and maintenance dredging
CLASSIFICATION	Lloyd Register

DREDGING FEATURES

DREDGING DEPTH	-16 m
MAX. SWING WIDTH	42.1 m
MIXTURE CAPACITY	4,000 m ³ /h

DREDGE INSTALLATION

DREDGE PUMP TYPE	BP5045
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 @ 1,600 rpm
AUXILIARY DIESEL	Caterpillar C12 TA
PRIME POWER RATING	339 kW @ 1,800 rpm
HYDRAULIC INSTALLATION	Driving cutter, winches and spuds
ELECTRICAL INSTALLATION	24 V DC and 230/400 V AC, 35 kVA

PRINCIPAL DIMENSIONS

LENTH O.A. INCL. LADDER	41.55 m
LENGTH OVER PONTOONS	25.50 m
BEAM	7.95 m
DRAUGHT	1.00 m
AIR DRAUGHT	6.70 m
TOTAL WEIGHT	156 ton

TANK CAPACITIES

FUEL OIL APPROX.	22.0 m ³
HYDRAULIC OIL	2.5 m ³
BALLAST WATER (FORE AND AFT)	4x 8.7 m ³

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 21 m
SPUD HOISTING (2X)	Hydraulic cylinder, stroke 1,500 mm
ANCHOR BOOM WINCHES (2X)	Hydraulic, 40 kN, 0-25 m/min

INSTRUMENTATION

- Dredging depth indicator
- Vacuum and pressure indication of dredge pump
- Production calculation unit
- Positioning visualization

REMARKABLE STANDARD FEATURES

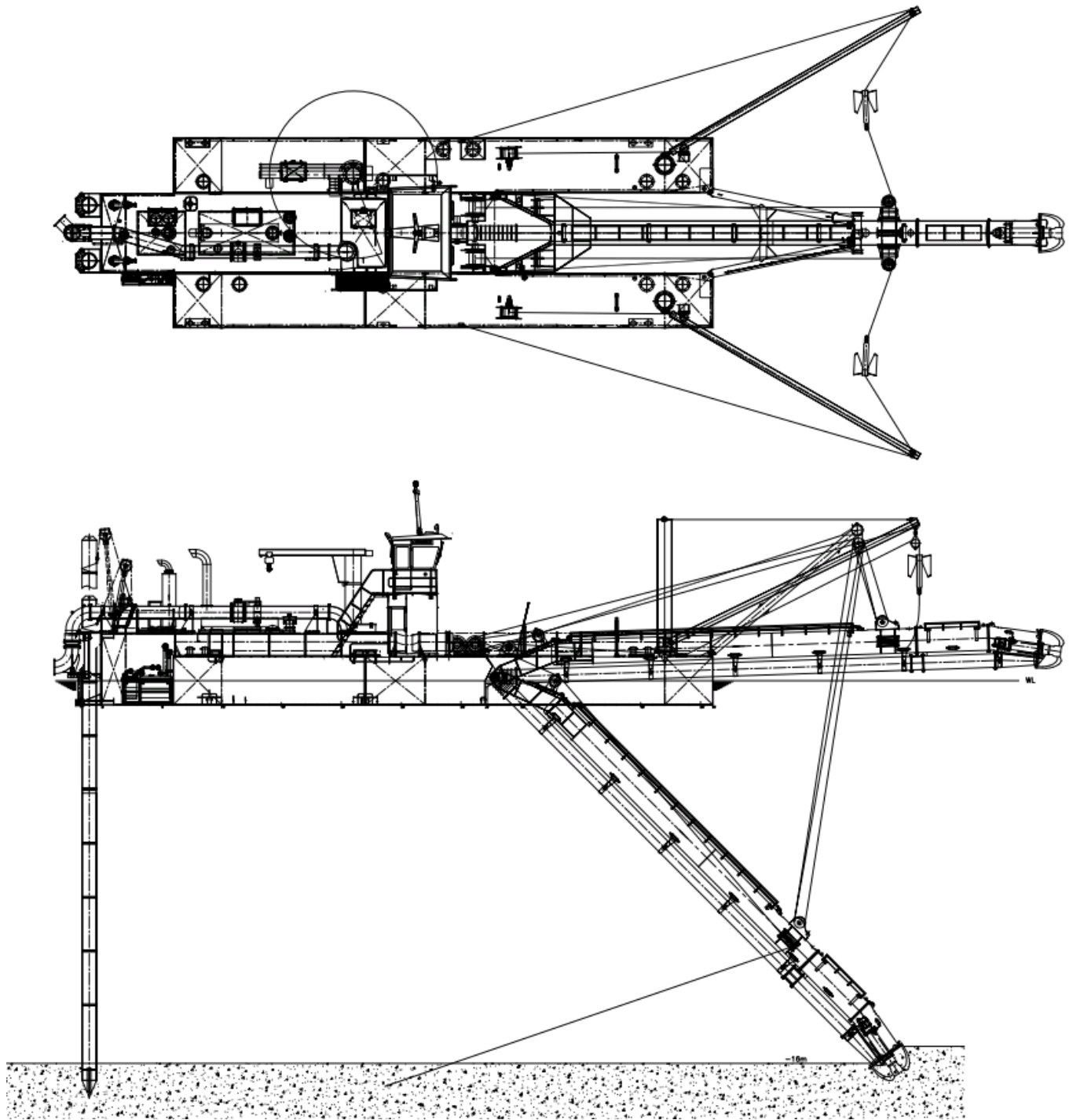
- Dismountable design
- Heavy duty robust design
- Simultaneous operation of all functions possible
- Spacious ergonomic designed control cabin and engine room
- Operators cabin with air conditioning
- Scantlings well in excess of class regulations

PROVIDED OPTION

- Classification
- Anchor boom installation
- Electric deck crane
- Ladder extension
- Day accommodation
- Stern swivel
- Production measurement
- Navguard positioning visualization

OWNER

Cooperativa de Trabajos Portuarios de Limitada de San Martin, Argentina



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DAMEN

DAMEN DREDGING EQUIPMENT

Member of the DAMEN SHIPYARDS GROUP



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