DAMEN CUTTER SUCTION DREDGER CSD650

GENERAL
Type: CSD 650
Basic functions: Cutter suction dredging
Classification: Bureau Veritas Coastal

DREDGING EATURES
Dredging depth: -18m @ 50°

DREDGE INSTALLATION
Dredge pump: BP6560MD
Diameter suction pipe: 650 mm
Diameter discharge pipe: 650 mm
Cutter power: 600 kW
Max. mixture capacity: 7000 m³/h

ENGINE INSTALLATION
Dredge pump diesel: Caterpillar 3516C HD – A-rating
Output: 1825 kW at 1600 rpm
Auxiliary diesel: Caterpillar 3512C – A-rating
Output: 1119 kW at 1600 rpm
Hydraulic installation: For cutter, winches and spuds
Electrical installation: 60 kVA - 230/400 V AC - 50 Hz – 24 V DC

PRINCIPAL DIMENSIONS
Length o.a. inc. ladder: 61.20 m
Length over pontoons: 48.65 m
Breadth o.a.: 9.47 m
Draught approx.: 1.25 m
Dredging depth max.: 18.00 m

TANK CAPACITIES
Fuel oil approx.: 68.0 m³
Hydraulic oil approx.: 4.1 m³

DECK MACHINERY
Ladder winch: Hydraulic 270 kN, 0-15 m/min.
Side wire winches (2): Hydraulic 270 kN, 0-20 m/min. each
Spuds (2): Ø 910 mm, 12,300 kg/each
Spud hoisting (2): Hydraulic cylinder, stroke 2 m

DREDGING INSTRUMENTATION
- Dredging depth indicator
- Vacuum and pressure indication of dredge pump

OPERATING CABIN
- Spacious operating cabin on with excellent view on all winches.
- Air-conditioned and heated.
- Ergonomic designed control desks.

REMARKABLE FEATURES
- Dismountable design which allows transport by road
- Sturdy design with high quality components

OPTIONAL EQUIPMENT
- Deck crane
- Anchorboom installation
- Spud carriage installation
- Submerged dredge pump installation up to -22 m cutter depth
- Day accommodation with toilet, kitchen, shower and airco
- Stern swivel / Swivel hose
- Navigation package
- Communication package (VHF)
- Production measurement (flow and density)
- Positioning visualisation (dGPS)
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