CUTTER SUCTION DREDGER 250

PICTURE OF SIMILAR VESSEL
GENERAL
Type | CSD 250
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Basic functions | Capital mining and maintenance dredging

DREDGING FEATURES
Max. dredging depth | 6 m
Swing width | 19.1 m (at max. dredging depth)
Max. mixture capacity | 1,000 m³/h

DREDGE INSTALLATION
Dredge pump type | BP2525MD
Diameter suction/discharge pipe | 250 mm
Spherical passage pump | 130 mm
Cutter type | Crown model (with changeable chisels)
Cutter power | 40 kW
Cutter diameter | 950 mm

ENGINE INSTALLATION
Dredge pump diesel | Caterpillar C12 TA
Continuous power rating | 254 kW @ 1,800 rpm
Hydraulic installation | Driving cutter, winches and cylinders
Electrical installation | 24 V DC

PRINCIPAL DIMENSIONS
Length o.a. incl. ladder | 19.00 m
Length over pontoons | 11.50 m
Beam o.a. | 4.20 m
Depth | 1.50 m
Draught | 0.90 m
Air draught | 3.60 m
Total weight | 30 tons

TANK CAPACITIES
| Type          | Value |
---|---|
Fuel oil approx. | 6.00 m³ |
Ballast water | 4.50 m³ |
Hydraulic oil | 0.60 m³ |

DECK MACHINERY
| Type                        | Value |
---|---|
Ladder hoisting              | Hydraulic cylinder stroke 0.8 m |
Side wire winches (2x)       | Hydraulic, 40 kN, 0–15 m/min |
Spuds (2x)                   | Ø 273 mm, length 9 m |
Spud hosting (2x)            | Hydraulic cylinder, stroke 1 m |

INSTRUMENTATION
Dredging depth indicator
Vacuum and pressure indication of dredge pump

REMARKABLE FEATURES
Dismountable design which allows transport by road
Heavy duty robust design
Simultaneous operation of all functions possible
Spacious ergonomic designed control cabin and engine room
One operator can control the entire dredger from the control cabin
Transportable in three 40” Open Top Containers
Large range of standard options are available to customize the CSD
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