



EuroDredger 450 SD | Cutter Suction Dredger

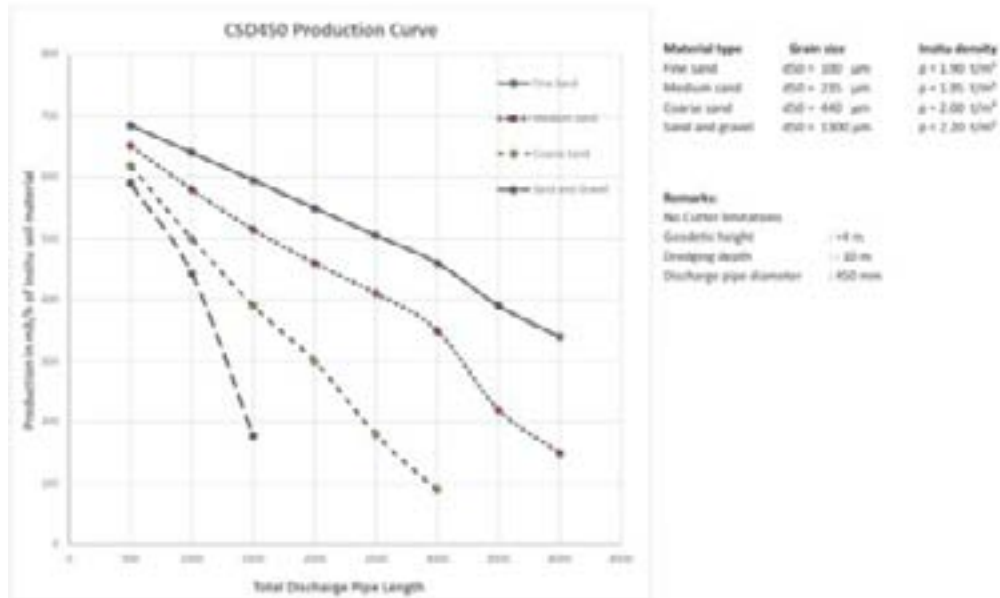


| DIMENSIONS | |
|------------------------------------|--|
| LENGTH OA INCL. LADDER | 32,85 meters |
| LENGTH PONTOONS | 25,85 meters |
| BREADTH | 8,4 meters |
| DEPTH MAIN PONTOON | 2,45 meters |
| DEPTH SIDE PONTOONS | 290 |
| DESIGN DRAUGHT | 86 |
| AIR DRAFT (EXCL. UPPER PART SPUDS) | 6,5 meters. Upper parts of the spuds can be removed by deck crane on the spud pontoon. |
| HULL | |
| LENGTH MAIN PONTOON | 11,0 meters |
| BREADTH MAIN PONTOON | 3,0 meters |
| DEPTH MAIN PONTOON | 2,45 meters |
| LENGTH SIDE PONTOONS | 16,2 meters |
| BREADTH SIDE PONTOONS | |
| DEPTH SIDE PONTOONS | 2,7 meters |
| DREDGING PARAMETERS | |
| DREDGING DEPTH (45°) | 10 meters |
| DREDGING DEPTH (MIN) | 1,2 meters |
| DREDGING WIDTH (MAX AT 3M) | 38 meters |
| SUCTION PIPE DIA. | 500 mm |
| DISCHARGE PIPE DIA. | 450 mm |

| DREDGING EQUIPMENT | |
|---------------------------|----------------------------|
| CUTTER | multi-purpose |
| POWER | 112 KW |
| SPEED | 0-30 rpm |
| DREDGE PUMP | 450 |
| WEAR MATERIAL | GS32 / high wear resistant |
| PUMP ENGINE | Caterpillar C32 |
| PUMP GEARBOX | Boone or equivalent |
| SPUD SYSTEM | |
| SPUD LEGS | 2 |
| SPUD LENGTH | 12,9 meters (7,4m+ 2x3m) |
| SPUD DIA. | 457 mm |
| SPUD LEG LIFTING | Cylinders (2,6 m stroke) |
| SPUD PONTOON | |
| LENGTH MAIN PONTOON | 8,0 meters |
| BREADTH MAIN PONTOON | 3,9 meters |
| DEPTH MAIN PONTOON | 2,45 meters |
| SPUD CARRIER MOVEMENT | Hydraulic cylinder |
| CYLINDER STROKE | 3,0 meters |

| POWER INSTALLED | |
|---------------------------------------|----------------------------------|
| DREDGE PUMP DIESEL ENGINE | 634 kW |
| AUXILIARY DIESEL ENGINE 1 | 232 kW |
| AUXILIARY DIESEL ENGINE 2 | 15 kW |
| TANK CAPACITIES | |
| FUEL OIL | ± 2 x 12 m ³ |
| HYDRAULIC OIL | ± 1.5 m ³ |
| BALLAST | ± 4 x 5 m ³ |
| FRESH WATER | ± 1.5 m ³ |
| SEWAGE WATER | ± 1.5 m ³ |
| OPERATION CONDITIONS | |
| TEMP OUTSIDE MAX. | + 35 °C |
| TEMP OUTSIDE MIN. | - 5 °C |
| WATER TEMP MIN. | 0 °C |
| MAX. CURRENT | 1 m/s |
| MAX. WAVE HEIGHT | 0,6 meters |
| ACCOMMODATION FACILITIES | |
| SANITARY SPACE INCL. | 1 Toilet and 1 sink |
| COMPUTER WORK AREA | 2 seating's and desk |
| NAVIGATION/COMMUNICATION TOOLS | |
| VHF | 1 fixed station and 4x portable |
| PA/GA | one speaker on deck |
| TELEPHONE | Fixed GSM station |
| GPS | DGPS |
| ECHO SOUNDER | one with two transmitters |
| VIDEO SURVEILLANCE | 1 central station with 3 cameras |

| SWING ARRANGEMENT | |
|---|------------------------------------|
| SWING WINCHES | 2 |
| WIRE PULL | 60 KN |
| HAULING SPEED | 0-15 m/min |
| SWING ANCHORS | Stevin 590 kg |
| ANCHOR BOOM INSTALLATION | Yes |
| ANCHOR BOOM WINCHES | 2x (40kN pull force) |
| SOIL DIGGING AND CONTROL SYSTEM | |
| DREDGING SYSTEM | Teledyne dredge control or similar |
| LOCATION | GNSS positioning system |
| OPTIONAL | RTK wall station for tide |
| DISCHARGE LINE AND BACK PLATFORM | |
| DISCHARGE PLATFORM | |
| LENGTH OVER ALL | 3,9 meters |
| BREADTH OVER ALL | 2,45 meters |
| DEPTH | Hydraulic cylinder |
| PONTOONS | 3x |
| LENGTH SINGLE PONTOON | 12,192 meters (40ft) |
| BREADTH SINGLE PONTOON | 2.438 meters (8ft) |
| DEPTH SINGLE PONTOON | 0.76 meters (2.5ft) |
| PLATFORM EQUIPPED WITH | |
| HYDRAULIC POWER PACK | Diesel Driven |
| ANCHOR WINCHES | 2x 6 ton 240 m drum storage |
| ANCHOR STORAGE RACK | 2x |
| DREDGE LINE | |
| DISCHARGE MONITOR | |
| HORIZONTAL MOVEMENT | 20 ° |
| VERTICAL MOVEMENT | 20 ° |
| Control position for monitor and winches. | |



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