

- Dismountable pontoons
- Easily transportable by road
- Submersible dredge pump
- Optional auger head



ECO200

ECONOMIC 200 CUTTER SUCTION DREDGER

DIMENSIONS

Length overall incl. ladder:	16.5 m
Length over pontoons:	11.5 m
Breadth:	3.0 m
Height of pontoon:	1.25 m
Design draught:	0.80 m
Total dry weight:	18 ton

DREDGING PARAMETERS

Max. dredging depth (45°):	6 m
Suction pipe diameter:	200 mm
Discharge pipe diameter:	200 mm

INSTALLED POWER

Total installed:	224 kW
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WINCHES

Swing winches:	2
Wire pull:	30 kN
Hauling speed:	0-20 m/min
Ladder winch:	1
Wire pull:	30 kN

DREDGING EQUIPMENT

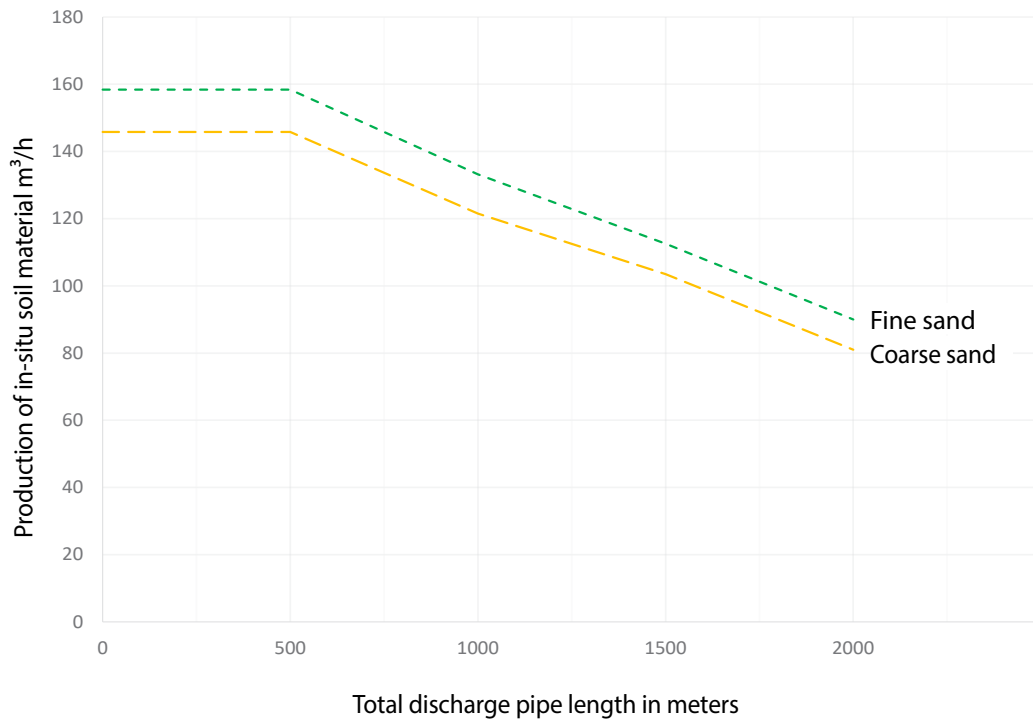
Cutter:	Dredge Yard multi-purpose cutter
Cutter head power:	25 kW
Speed:	0-35 rpm
Dredge pump:	Dredge Yard 200
Wear material:	GS32 / high wear resistant
Pump engine:	Caterpillar C9

SPUD SYSTEM

Spud length:	7.8 m
Spud diameter:	273.3 mm
Spud leg lifting:	Cylinders (1.0 m stroke)



ECO200 - PRODUCTION CURVE



MATERIAL

Fine sand

Coarse sand

GRAIN SIZE

d50 = 100 µm

d50 = 440 µm

IN-SITU DENSITY

$\rho = 1.90 \text{ t/m}^3$

$\rho = 2.00 \text{ t/m}^3$

CALCULATIONS ARE BASED ON:

- Maximum dredging depth
- Average of 20% dredging density
- Elevation height of discharge pipe of 2m
- Free floating soil



FEATURES

- Two dismantable pontoons
- Operating cabin on the main platform
- Diesel driven hydraulic power unit
- Submersible dredge pump
- Cutter head
- Hydraulic hoisting winch for ladder
- Propulsion operated by hydraulic motor
- Dismountable propulsion system
- Two pulling winches
- Easily transportable by road

OPTIONAL

- Auger head driven by two motors
- Spud system
- Swing winch