

CSD 650

Cutting Suction Dredger



The Cutter Suction Dredger CSD 650 may be used only to transfer mud, sand, gravel and or water mixtures or other similar materials.

GENERAL DATA

Type	Cutting Suction Dredger
Year built / Place of build	2024/Damen, Nederland
Class	BV I ✕ HULL•MACH, Dredger/NP
Flag	Azerbaijan
Registered Number	
DAMEN №	561620-2024 Year

DIMENSIONS

Length	49.30 m
Length including cutter (overall)	61.20 m
Overall width	10.50 m
Draught approx.	1.65 m
Total weight empty ship	554 t

CAPACITIES

Fuel Oil Bunkers:	
- Port side tanks (total)	43.09 m ³
- Stb side tanks (total)	43.12 m ³

BALLAST SYSTEM

Ballast tank Port side	46.52 m ³ (3 tanks)
Ballast tank Stb side	46.52 m ³ (3 tanks)

DREGGE PUMP ENGINE

Dregge Pump Engine	CAT C3516C-TA HD (1825 kW) 1600 rpm
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AUXILIARIES

Aux Engine	CAT 3512C TA 1119 kW 1600 rpm
Supply generator	Stamford UCM 224F 51 kW 50Hz 1500 RPM
Harbor generator	Perkins 18.9 kW 1500 RPM 230/400 VAC 50Hz
Hydraulic motor	Rexroth A4CSG

SPEED

Maximum	0-15 m/min (controllable)
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FUEL CONSUMPTION

Dredging Engine	435 L/hr
AUX Engine	270 L/hr

ACCOMMODATION

Cabin	1 x cabin for 4 people
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DREDGING EQUIPMENT

Ancor	2 x 3000 kq
Wire Length	2 x 200 m diam. 36 mm
Max Load	27 tonnes on frist layer

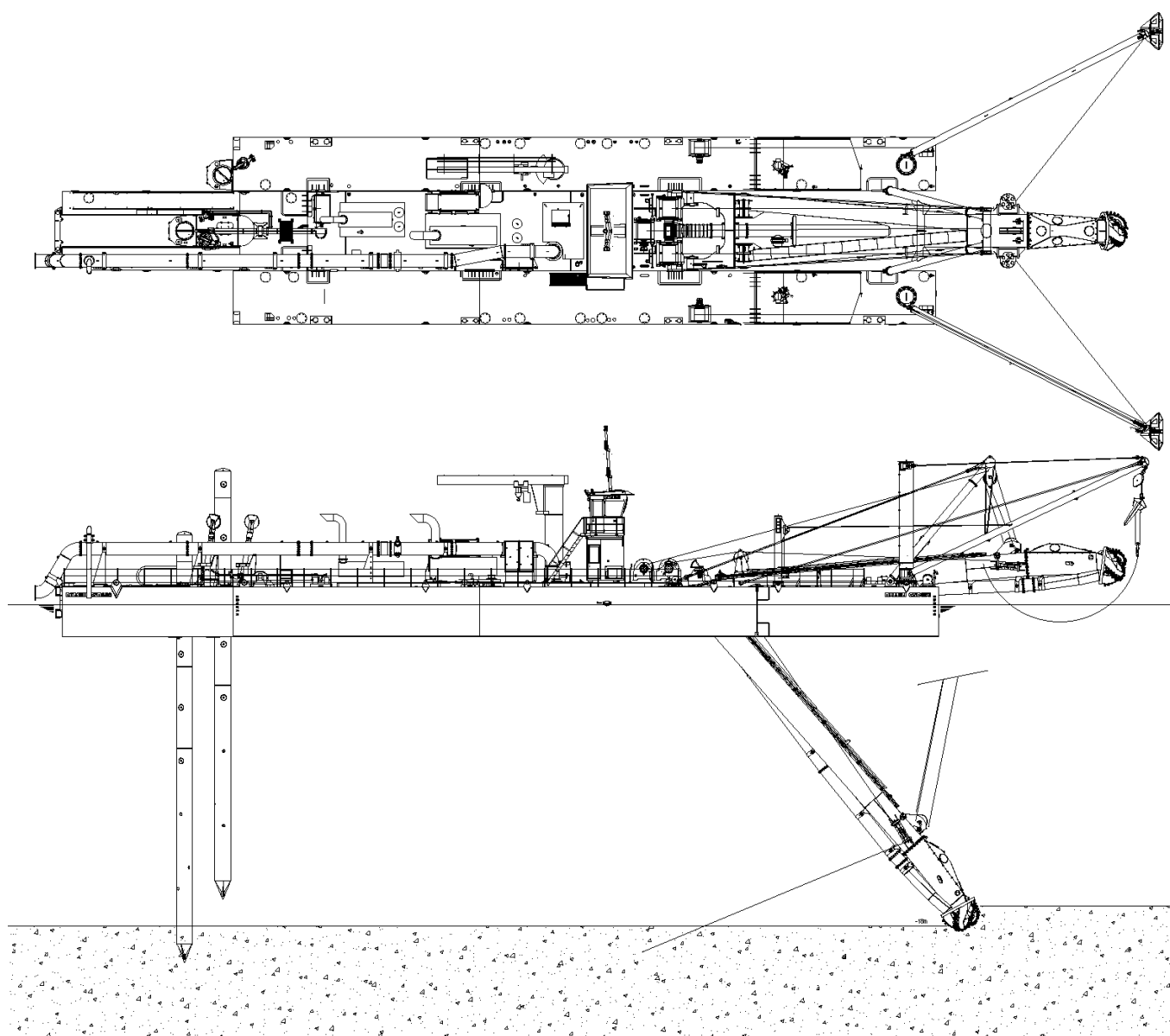
DREDGING EQUIPMENT

Dredger Pump Type	BP6560MD
Cutter Power	700 kw (816 hp) at 32 rpm

Cutter Suct. pipe diam.	650 mm
Discharge pipe diam.	650 mm
Max cutting depth at 45°	18 m
Minimum dredging depth	3 m (ladder angle 5°)
Impeller diameter	1550 mm
Impeller width	320 mm
Number of blades	4
Mixture capacity, max power	7000 m³/h
6 pcs Powder Extinguisher	6 kq
Lifejackets	4 pcs
Lifebuoys with line	4 pcs
Fire Fighting hoses 2" with nozzle	3
Emergency fire pump	1 x 25m³/h 1.7bar
Fire pump	1 x 30m³/h 2.5 bar
Emergency Source of Electrical Power	1 x Battery Pack (L

REMARKABLE FEATURES

Teledyne PDS Dredger Control and Measure system
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
Operators cabin with air conditioning and heating
Large range of standard options are available to customize the CSD
Day accommodation with toilet and kitchen
Bureau Veritas Coastal classification
Dismountable design which allows transport by road
Heavy duty robust design
Simultaneous operation of all functions possible



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