



DAMEN CUTTER SUCTION DREDGER CSD650

GENERAL

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

DREDGING FEATURES

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 m ³ /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 m ³
Hydraulic oil approx	4.1 m ³

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)	∅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.

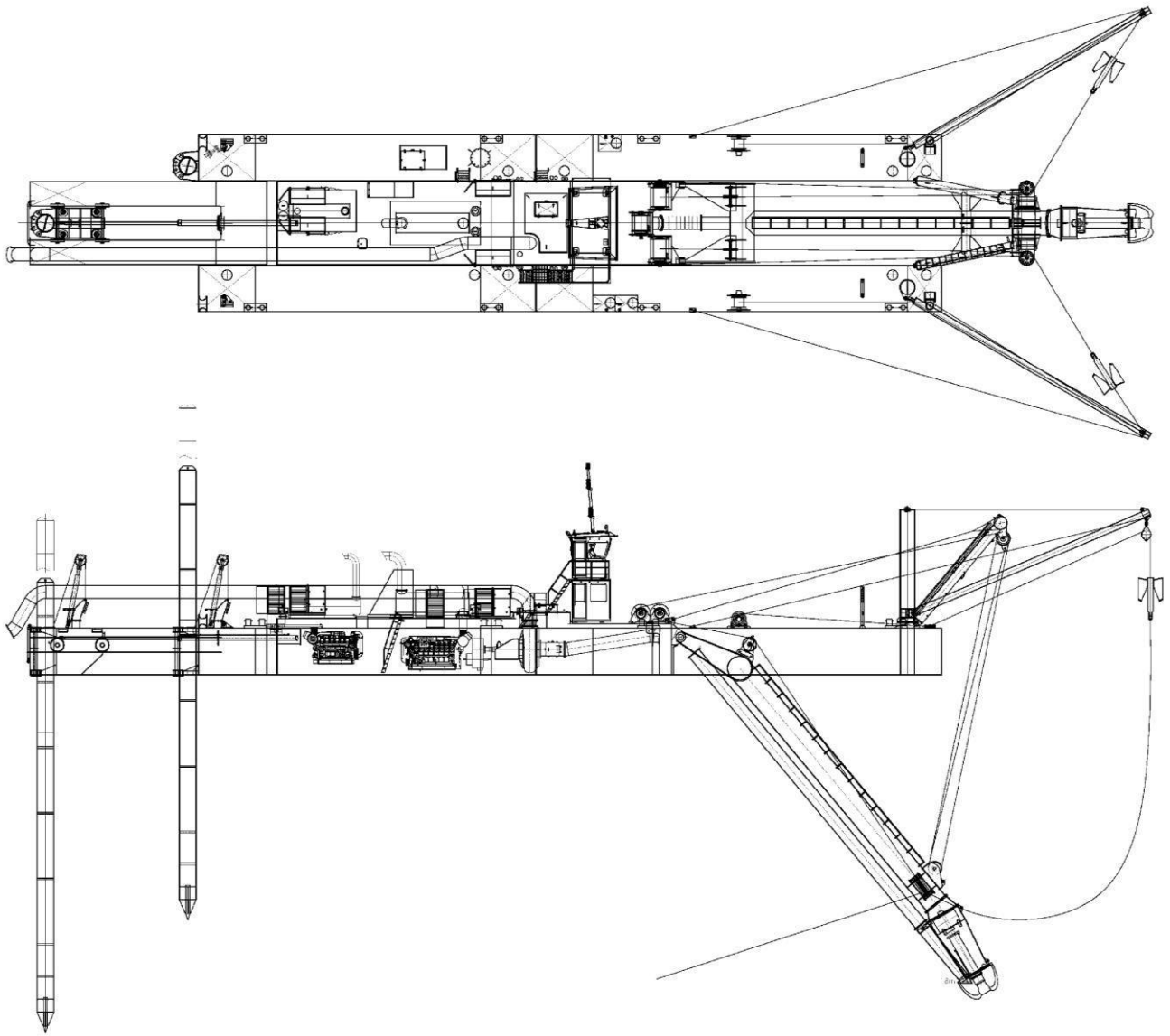
REMARKABLE FEATURES

- 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)

DAMEN



DAMEN CUTTER SUCTION DREDGER CSD650

DAMEN

DAMEN DREDGING EQUIPMENT

Member of the DAMEN SHIPYARDS GROUP

Edisonstraat 32
3861 NE Nijkerk

P.O. Box 1021
3860 BA Nijkerk
The Netherlands

phone +31 (0)33 247 40 40
fax +31 (0)33 247 40 60

info@damendredging.com
www.damendredging.com