



CUTTER SUCTION DREDGER 350

PICTURE OF SIMILAR VESSEL

GENERAL

Type	CSD 350
Basic functions	Capital mining and maintenance dredging

DREDGING FEATURES

Max. dredging depth	-9 m
Swing width	27.0 m (at max. dredging depth)
Max. mixture capacity	2,000 m ³ /h

DREDGE INSTALLATION

Dredge pump type	BP3530MD
Diameter suction/discharge pipe	350/350 mm
Cutter type	Crown model (with changeable chisels)
Cutter power	55 kW
Spherical passage pump	150 mm
Cutter diameter	1,150 mm

ENGINE INSTALLATION

Dredge pump diesel	Caterpillar C18 TA
Continuous power rating	447 kW @ 1,800 rpm
Hydraulic installation	Driving cutter, winches and cylinders
Electrical installation	24 V DC

PRINCIPAL DIMENSIONS

Length o.a. incl. ladder	26.00 m
Length over pontoons	16.50 m
Beam	6.00 m
Depth	1.50 m
Draught	0.80 m
Air draught	4.70 m
Total weight	55 ton

TANK CAPACITIES

Fuel oil approx.	8.40 m ³
Ballast water	3.15 m ³
Hydraulic oil	1.00 m ³

DECK MACHINERY

Ladder hoisting	Hydraulic winch 50 kN, 0-15 m/min
Side wire winches (2x)	Hydraulic, 40 kN, 0-15 m/min
Spuds (2x)	Ø 406 mm, length 12.70 m
Spud hosting (2x)	Hydraulic cylinder, stroke 1.25 m

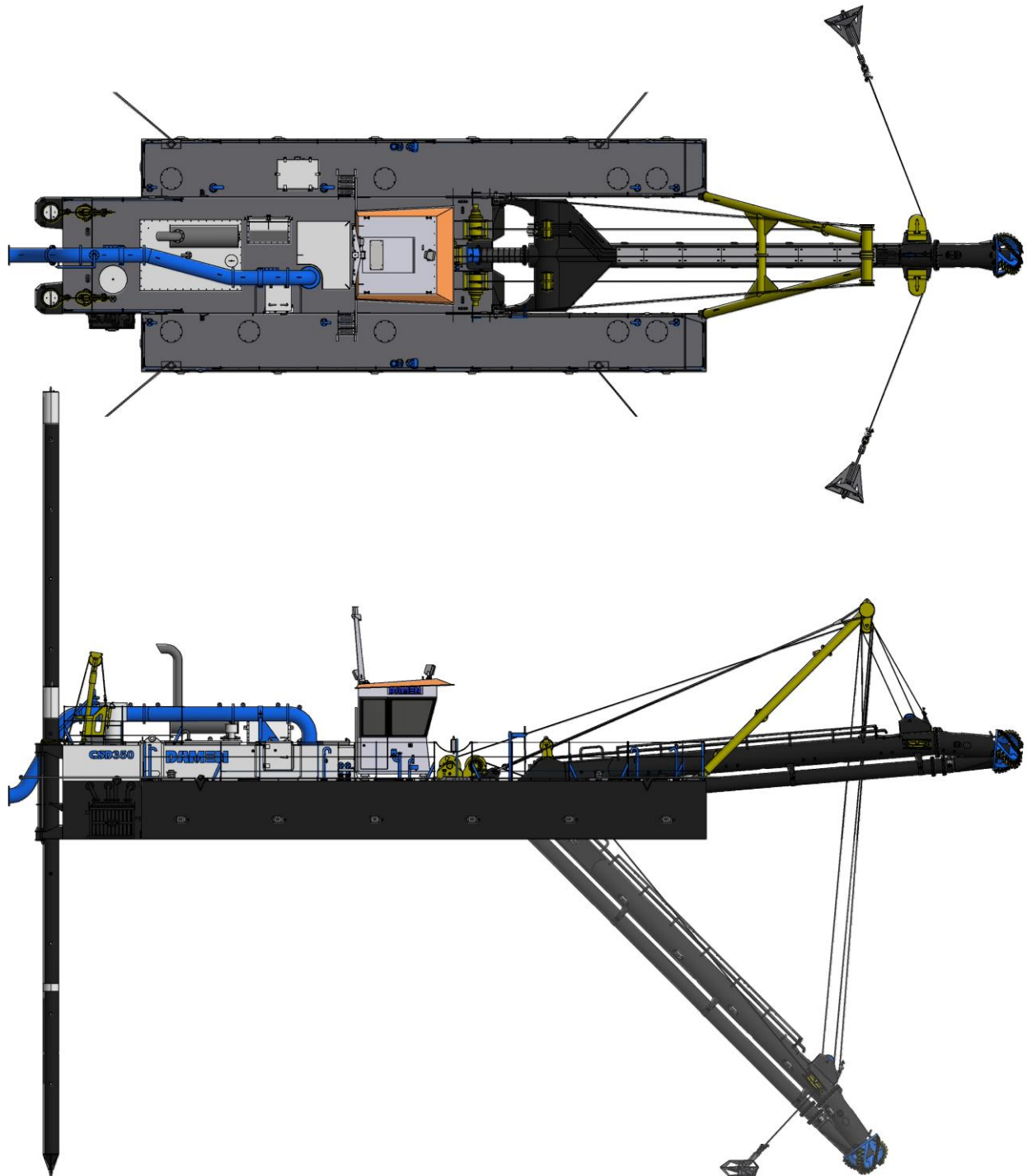
INSTRUMENTATION

Dredging depth indicator	
Vacuum and pressure indication of dredge pump	

REMARKABLE FEATURES

- Dismountable design
- 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
- Large range of standard options are available to customize the CSD

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