



2X DAMEN ELECTRIC CUTTER SUCTION DREDGER ECSD650 -10 M

Igor Mazursky & Fitzgerald

GENERAL

YARD.NO	B130526
TYPE	ECSD650 -10 m
BASIC FUNCTIONS	MFT dredging

DREDGING FEATURES

DREDGING DEPTH	-10 m @ 50°
MAX. MIXTURE CAPACITY	7,200 m ³ /h

DREDGE INSTALLATION

DREDGE PUMP	BP6560MD
DIAM. SUCTION/DISCHARGE PIPE	650 mm
CUTTER POWER	250 kW
CUTTER TYPE	5-1,600 (with changeable chisels)
VACUUM RELIEVE VALVE	Hydraulic

ENGINE INSTALLATION

ELECTRIC MOTOR DREDGE PUMP	2,200 kW @ 1,800 rpm
ELECTRIC MOTOR AUXILIARY	600 kW @ 1,800 rpm
HYDRAULIC INSTALLATION	Driving cutter and winches
ELECTRICAL INSTALLATION	13.8 kV AC, 4.16 kV AC, 600 V AC, 208 V AC, 120 V AC, 24 V DC
HARBOUR GENERATOR SET	600 V AC, 45 kVA
STEPDOWN TRAF0	13.8 kV/4.16 kV 13.8 kV/600 V

PRINCIPAL DIMENSIONS

LENGTH O.A. INC. LADDER	40.64 m
LENGTH OVER PONTOONS	39.67 m
BREADTH O.A.	12.55 m
DRAUGHT APPROX.	1.45 m
AIR DRAUGHT	7.40 m
TOTAL WEIGHT	350 ton

TANK CAPACITIES

FUEL OIL APPROX.	1.5 m ³
HYDRAULIC OIL	4.10 m ³
VOID SPACE (FORE AND AFT)	2x 11.5 m ³ / 2x 19.3 m ³

DECK MACHINERY

LADDER WINCH	Hydraulic 270 kN, 0-15 m/min.
MANOEUVRING WINCHES (4X)	Hydraulic 150 kN, 0-15 m/min.
DECK CRANE	Electric, capacity 6,3 ton Manual, capacity 4 ton

INSTRUMENTATION

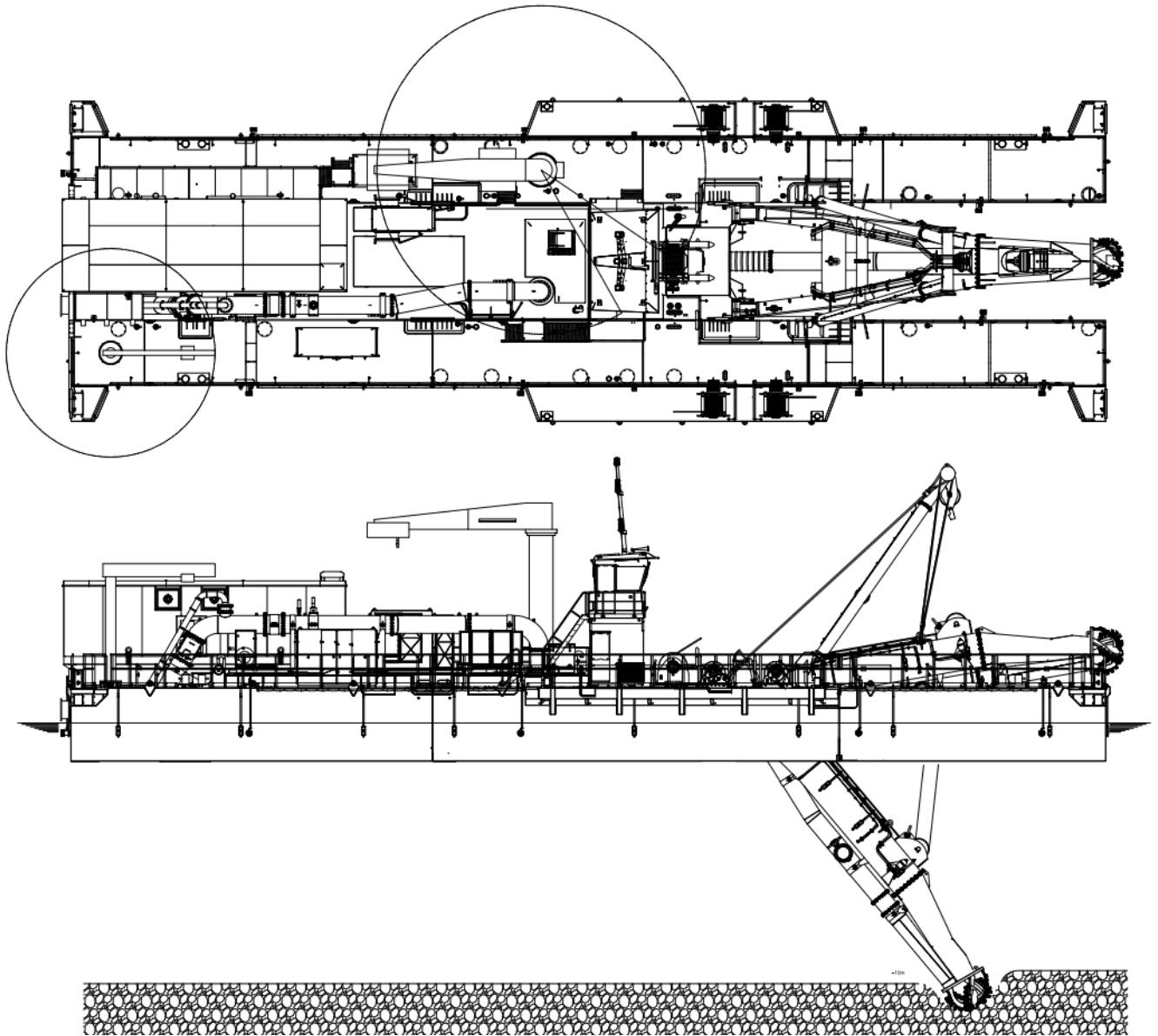
- Dredging depth indicator
- Vacuum and pressure indication of dredge pump

REMARKABLE FEATURES

- Dismountable design which allows transport by road
- Spacious ergonomic designed control cabin and engine room
- Day accommodation
- Operators cabin and accommodation with air conditioning & heating
- Inboard dredge pump placed in separate pumproom
- Suitable for biological degradable hydraulic oil

OPTIONAL EQUIPMENT

- Discharge dredge valve
- Swivel hose
- Navigation package (lights and horn)
- Communication package (VHF)
- Shore power supply connection
- Production measurement (flow and density)
- Positioning visualisation (dGPS)



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DAMEN

DAMEN DREDGING EQUIPMENT

Member of the DAMEN SHIPYARDS GROUP



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