GENERAL
YARD NO B130526
TYPE EC
SD650-10 m

BASIC FUNCTIONS
MFT dredging

DREDGING FEATURES
DREDGING DEPTH -10 m @ 50˚
MAX. MIXTURE CAPACITY 7,200 m³/h

DREDGE INSTALLATION
DREDGE PUMP BP6560MD
DIAM. SUCTION/DISCHARGE PIPE 650 mm
CUTTER POWER 250 kW
CUTTER TYPE 5-1,600 (with changeable chisels) Hydraulic
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 13.8 kV/4.16 kV
STEPDOWN TRAFO 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 m³
HYDRAULIC OIL 4.10 m³
VOID SPACE [FORE AND AFT] 2x 11.5 m³ / 2x 19.3 m³

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)
2X DAMEN ELECTRIC CUTTER SUCTION DREDGER  ECSD650 -10 M
Igor Mazursky & Fitzgerald