



M/V John Madsen



Wire excavator vessel suitable for various marine construction and nearshore works

► The M/V John Madsen is a versatile, self-propelled work vessel suitable for a wide range of tasks within marine construction and for nearshore works.

Equipped with a Sennebogen 640 A wire excavator, a selection of grabs, spud legs, own cargo hold and an advanced positioning system, the vessel is ideal for stone installation, boulder clearance and dredging projects, also in extremely shallow water locations.

Key features:

- Self-propelled with own cargo hold
- 2 spud legs, anchors and positioning system
- Sennebogen 640 A wire excavator
- Excavator converted to biodegradable hydraulic oil
- Full Head Office Engineering support
- Can dredge into hold, to barges or self-unload to shore
- Suitable for soft materials, such as sediment, mud, sand
- Stone installation for breakwaters, scour protection etc.
- Permanently equipped for boulder clearance jobs
- Highly manoeuvrable, fast transition from dredge to sail
- Available on daily, m³ rates or fixed price contracts
- Max draft of only 1.90 meters
- Accurate PDS2000 GPS dredge control system



M/V John Madsen

Basic details

Name: John Madsen
Built: 1971/1984/2010
Flag: Denmark
Class: Bureau Veritas Class I
Unrestricted Navigation
Dredger
IMO no.: 7236347
Call sign: OWSG2
National no.: D 2005
MMSI no.: 219 001 261
Trade permit: GMDSS Area A1 and A2 with limitations

Main particulars

GRT/GT/NT: 125.52 / 147 / 44
Length: 29.20 m
Beam: 8.00 m
Draft, empty: 1.45 m
Draft, max: 1.90 m
Speed, empty: 6.00 knob
Speed, full: 5.00 knob
Speed, min: 2.50 knots

Machinery

Main engine: 2 x Sisu 612
HP: 2 x 180 HP
Aux engines: 1 x Sisu 420DSMG – 203A/107 kW
1 x KVA diesel – 33A/17,6 kW
Bow thruster: Yes, 43 HP

Accommodation

Crew: 3 persons
Acc.: Max 4 persons
Safety equip.: 10 persons
Operation: 12 hours

Cargo capacities

Hold size: 100 m³ (9.50 x 5.20 x 2.05 m)
Max load: 150 mt
Subject to local or international load line restrictions
Hatches: No

Work equipment

Excavator: Sennebogen 640 A 50 mt excavator
Boom: 22.00 m
Capacity: 12-15 mt
Dredge depth: Up to 30 m in standard configuration, option 60 m
Grabs: Orange peel stone grab,
2 x clamshell grabs with teeth of 2.5 m³, one closed flat grab of 4.0 m³
Weight syst.: Yes

Positioning and survey systems

Spud legs: 2, depths up to 10.00 m
Anchors: 3 point mooring, 2x3 tonne and 1x2 tonne winches
Pos. system: PDS2000 dredge control
XYZ positioning +/-10 cm
For dredging +/-20 cm
Pos. equip.: Trimble SPS85x D-GPS
RTK and GPS compass JRC model JLR20/30
Multibeam: Can be fitted with Teledyne Reson SeaBat T50-R multibeam echosounder

Communication

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