

# RELU ME

# Specification



# RELUME

## TECHNICAL SPECIFICATION

### VESSEL IDENTIFICATION, MAIN PARTICULARS

Vessel Name:	RELUME
Owner:	International Foundation for Aids to Navigation (IFAN)
Manager:	MENAS Marine Services Ltd.
Builder:	Damen Shipyards, Vlissingen, Holland
Year of Build:	2004
Flag:	Bahamas
Port of Registry:	Nassau
IMO No:	9280720
Call Sign:	C6TR4
Classification:	Lloyd's Register of Shipping ✕ LMC 100A1 UMS, DP(AA), NAV, IBS. SPS Code compliant

### PRINCIPAL DIMENSIONS

Length Overall:	82.60 metres
Breadth Moulded:	16.50 metres
Depth Moulded to Main Deck:	6.80 metres
Design Draft:	4.00 metres
Max Draft:	4.50 metres
Deadweight (maximum):	1500 tonnes
GRT:	3526
NRT:	1057

### FUEL CONSUMPTION

Speed:	13m <sup>3</sup> per day @ 11 knots / 15m <sup>3</sup> per day @ 13 knots
Class 2 DP Operations:	5 - 6 <sup>3</sup> per day

### CAPABILITIES

Service Speed: 0-13 knots

Diesel Generating Plant:

- 2 x 8L20 8-cylinder 900 rpm Wartsila Diesel Engines of 1317 KW (1625 kVa) ea
- 2 x 6L20 6-cylinder 900 rpm Wartsila Diesel Engines of 988 KW (1250kVa) ea
- 1 Caterpillar Emergency Diesel Alternator of 145 KW capacity
- 2 x 4L20 4-cylinder 900 rpm Wartsila Diesel Engines of 420 KW capacity each for Crane and Deck Power

### PROPULSION SYSTEMS

- 2 x Rolls Royce (Aquamaster) Azimuth units of 1500 KW each.
- 2 x Rolls Royce (Kamewa) Bow Tunnel Thruster units of 700 KW each.

### TANK CAPACITIES

• Fuel Oil:	540m <sup>3</sup>
• Ballast/Freshwater:	835m <sup>3</sup>
• Potable Water:	146m <sup>3</sup>
• Fresh Water Makers:	2 x SW 8040/03 Reverse Osmosis water makers - ea rated output 40 m <sup>3</sup> / 24hrs

### DYNAMIC POSITIONING SYSTEM

- Kongsberg Simrad K-POS system to Lloyd's DP (AA) standard
- Kongsberg Simrad HiPAP 501 HPR
- 3 x DGPS (IALA, C-Nav 3050 & Veripos ULTRA).
- 2 x Wind Sensors Young
- 2 x MRU
- 3 x Gyro
- Tautwire Bandak LTW MK14B System
- Kongsberg RADIUS 1000
- FMEA, DP Capability Analysis and Annual Trials - Petrofac, Aberdeen

### BRIDGE SYSTEM & COMMUNICATIONS

- Litton Sperry System to Lloyd's NAV1
- SatMarin KU Band Unlimited Azimuth Transmit/Receive System
- Fleet 77 and Sat C fully integrated communications system
- IBS
- ECDIS
- Kongsberg Simrad installation, EA 600 Single Beam with EM 3000 multi-beam
- Kongsberg Neptune, C-floor, Triton and Poseidon.
- 1 x Sonar CH37, Furuno.

### CRANEAGE FACILITIES

1 x 25-tonne crane @ 12m (12 tonnes @ 20m)- Active heave compensated - Knuckle boom Main Crane, starboard-mounted. Subsea rated to 1000 metres  
1 x 13-tonne crane - General Purpose Telescopic Crane, port side-mounted

### WORKING DECK LAYOUT

- Deck Area: Approx 500m<sup>2</sup>
- Max Deck Loading: 5 tonne/m<sup>2</sup>
- Deck Area: Container locator points across deck

### ACCOMMODATION

- 10 x single berth Officers cabins
- 28 x twin berth cabins
- 21 x twin berth cabins available for client use
- 2 x Client Offices, Operations room, Conference Room
- **Total POB: 66**

### ADDITIONAL ONLINE INFORMATION

Detailed vessel information including ISO Certification, FMEA, Capability Plots, Annual DP Trials and AutoCAD files may be downloaded at

<http://www.ifan-maritime.org/relume-downloads.html>

**Operator: MMSL**  
**MENAS Marine Services Ltd**  
A subsidiary of IFAN