

TECHNICAL DATA REPORT

ENMICO 78 Feet CREW BOAT

NOVEMBER 2011
Noah Marine Industry Corporative



شرکت تعاونی صنایع دریائی نوح جنوب
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I. GENERAL

1.1. Builder

Enmico (Noah Marine Industry Cooperative)

1.2. Designer

Thomas Wiberg (Wiberg Design, Sweden)
Adam Santoso (Enmico, Abadan)

1.3. Type of Vessel

Crewboat 23.6 meter (78 feet)

1.4. Main particular

1.4.1. LxBxD

23.6 x 5 x 2.75

Height at fore cabin section 7 meter

1.4.2. Draft

1.1 meter

1.4.3. Displacement

50 ton at DWL

37 ton at light ship

1.4.4. Dead Weight

80

1.4.5. Gross Tonnage

V (Total Volumetric Dimension from keel to the mast) = 275 m³

$K = 0.2 + 0.02 \text{ Log } V$

= 0.2 + 0.028

= 0.228

$GT^* = K \times V$

= 0.228 x 275

= 62.7

*according to International Convention on Tonnage Measurement Ships.

1.4.6. Net Tonnage

V_C (Total Volumetric Cargo space Dimension) = 78 m³ *

$K_2 = 0.2 + 0.02 \text{ Log } V$

= 0.2 + 0.0378

= 0.237

$NT = V_C \times K_2$

= 18.5

(*including open deck area with allowable stacking height 2 meter)

- 1.4.7. Max Speed Full Load
26 Knots
- 1.4.8. Service Speed (full Load)
22 Knots
- 1.4.9. Cruising Range
719 nm at (1800 rpm crank shaft @ 22 Kn/ 80% power)
- 1.4.10. Endurance
32 hour (8500 lt Fuel Used /1000 lt fuel reserve)
- 1.4.11. Compliments (crew & Passengers)
 - Passenger = 67 pax
 - Crew = 6 pax
 - Total = 73 pax
- 1.4.12. Total Installed Power
 - Main Generator = 47 KW
 - Auxiliary = 25 Kw
 - Total = 72 Kw

1.5. Deck Cargo

1.5.1. Deck Cargo Capacity

30 Ton

1.5.2. Deck Clear Area

Open Deck = 55 m²
 Upper Accommodation deck = 35 m²
 Lower Accommodation deck = 28 m²

1.5.3. Deck Strength (please refer to drawing EN-78-DX-1)

Max load for allowable deck deflection (1 mm) = **3900 Kg/m²** = 38653 N/m²

1.6. Tank Capacity

- 1.6.1. Cargo Fuel Oil
9500 Liters (FOT)
- 1.6.2. Cargo Fresh Water
3500 Liters
- 1.6.3. Service Fuel Oil
250 liters x 2 (daily Tank)
- 1.6.4. Potable Water
1400 lt

1.7. Classification

- 1.7.1. Classification Society