



NORDIC
PT. BAHARI LINES INDONESIA

M.V. NORDIC EMMA



SURVEY / RESEARCH UTILITY VESSEL

PT. BAHARI LINES INDONESIA

Menara Satu Sentra Kelapa Gading
Jl. Boulevard Raya LA3 No. 1 , Lt 08 # 0801
Kelapa Gading, Jakarta 14240, INDONESIA
Tel: +6221 29375731 / +6221 29375732

NORDIC MARITIME PTE LTD

3 Harbour front Place
04-03 Harbour Front Tower 2
Singapore 099254
Tel: +65 62350354 / Fax: +65 62353271



M.V. NORDIC EMMA

SURVEY / RESEARCH UTILITY VESSEL

PARTICULARS

Name of Vessel	M.V. Nordic Emma
Builder	Chung Wah Shipbuilding & Engineering, Hongkong
Type of Vessel	Survey/Research Utility Vessel
Yard No.	161
Call Sign	PORE
Year Built	November 1980
Classification	BKI Σ A100 $\text{\textcircled{P}}$
Flag	Indonesia
Top Speed	7 knots
IMO No.	7728340

DIMENSIONS

Length Overall	: 40.29 m
Breadth Moulded	: 10.55 m
Depth Moulded	: 5.45 m
Summer Draft (max)	: 4.70 m
Gross Tonnage	: 450 tons
Net Tonnage	: 179 tons
Deadweight	: 493 tons
Free Deck Space	: 6 m x 10 m (60 m ²)
Deck Loading	: About 1.4 ton/m ²

MACHINERY / PROPULSION

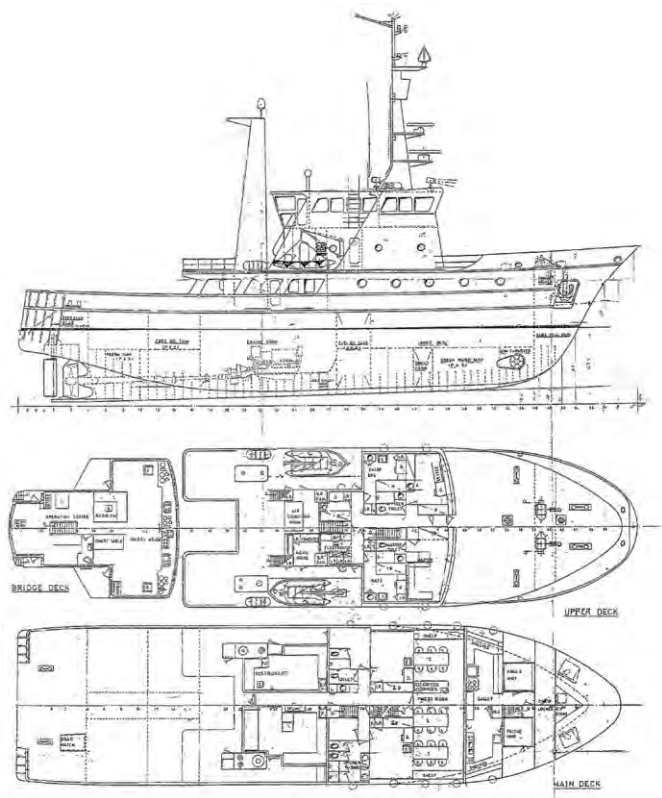
Propulsion	: 1x Caterpillar D399 1125 BHP @ 1200 RPM
Aux Hydraulic Engine	: 1x CPP with Kort Nozzles : 1x Caterpillar D353 425 BHP @ 1350 RPM
Bow Thruster	: 1x 100 HP Brunvoll
Generators	: 2x Caterpillar 3306 @ 210 BHP 112 KVA / 90 kW 60Hz / 220 / 110 volts

CARGO/TANK CAPACITY

Fuel Oil	: 206 m ³ (178 tons)
Fresh Water	: 180 m ³
Deck Cargo	: 85 tons
Cargo Pump Capacity	: Fuel oil at 60 m ³ /hr at 40m head
Cold Storage	: Deep freezer x 1 of 8 m ³ Chiller x 1 of 12 m ³
Fuel Oil Consumption	: At 10 knots 4.0 tons per day At 9 knots 3.0 tons per day At 7 knots 1.5 tons per day

ACCOMMODATION & LIFE SAVING EQUIPMENT

Bunks	: Total 24 persons in 13 cabins of 6 x 1 man cabins 3 x 2 men cabins 4 x 3 men cabins
Dining Saloon	: Capacity for 18 persons / seating
Equipment Room	: 1 x 15 M2 space with UPS
Life Jackets	: Life jackets and survival suits comply and above SOLAS rules
Life Rafts	: 2 each of 25 man capacity
Work Boat / Rescue Boat	: 1 x Work / Rescue Boat c/w 25 HP Outboard Motor under 1,000 kg SWL Elec Driven Davit (Freefall)



TOWING / ANCHOR HANDLING EQUIPMENT

Anchor (fwd)	: 2x Hall Type, each 900 kg x 180 m x 30 mm chain
Anchor (aft)	: 1x Bruce Anchor x 260 kg x 220 m x 16 mm wire
Windlasses (fwd)	: 2x Hydraulic 5 ton anchor windlass at 10 m/min
A-Frame Crane	: 1x Hydraulic A-Frame 5 ton SWL : 1x Hydraulic Crane with 2 tons @ 5 m radius, 1 ton @ 9 m radius
Winches	: 1x Hydraulic Winch of 5 tons 1x Hydraulic Anchor Handling Winch of 5 tons at 10 m/min 1x Electric Winch of 2 tons

NAVIGATION / COMMUNICATION EQUIPMENT

Echo Sounder	: 1x Skipper ED 162
Communications	: KVH mini-VSAT Broadband 1x Satcom I Nera Saturn M 1x Satcom II T&T GMP 2000M 2x Facsimile Machines 2x VHF SAILOR 25 Watts 2x NAV/TEX Navigation Warning Receiver 1x Distress Receiver
Searchlights	: 3x FRANCIS M19
Public Address	: 1x TOA-IC
Radars	: 1x Furuno FR15 MARK-3 1x SIMRAD RA41
GPS	: 1x SIMRAD CP40 DGPS Chartplotter 1x KODEN KGP98

* All particulars presented are believed to be accurate but given entirely without warranty.
Interested parties are advised to verify details through inspections.