



VESSEL DESCRIPTION

Name: MV "Atlantic Navigator II"

Multi-Purpose Dry Cargo Ship, Equipped for Carriage of Containers, Strengthened for Heavy Cargo

Owner: Atlantic Energy II Navigation Ltd., Valletta, Malta

Ship Manager: Atlantic Ship Management

Yard: Dalian Shipyard, PRC

Built: 2003

Flag: Malta

Port of Registry: Valletta

IMO-No.: 9231145

Official-No.: 94828

Call sign: A8VI9

Vessels class: KM* Ice1 AUT1

Vessel's dimensions: LOA: 192,89 m
LBP: 183,56 m
Beam: 27,80 m
Draft scantling: 11,20 m
Draft design: 10,00 m
Lightship: 11914.56 mts

Deadweight: abt. 30.000 mts on a draft of 11,20 m scantling
abt. 24.500 mts on a draft of 10,00 m design
figures are given on basis of sea water with a specific gravity of 1,025 (alternate hold loading with hold and empty only permitted on the draft of m)





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TPC: 47,062 mt basis SSW draft of 11.20m

Tonnage: International: 23.132 GT / 9.375 NT

Panama: 20.274 NT
Suez: 23.514 GT / 20.171 NT according to DanubeRules

Container Intake: total max 1,829 ISO standard containers of 20/8/8'6",
which are 1,749 TEU of 20/8/8'6" + 40 FEU of 40/8/8'6"

hold 706 TEU + 40 FEU deck 1,043 TEU

Alternatively: max 1,824 ISO standard container units of 20/8/8'6"
which are 884 FEU of 40/8/8'6" + 56 TEU of 20/8/8'6"

hold 358 FEU plus 56 TEU deck 516 FEU

The container intake and stowage is always subject to stability, trim, lashing plan, permissible stress, lash forces, visibility regulations, local and/or port regulations and strength of deck, hatch covers and tank top visibility.

Damage control regulations to be kept.

Stability: about 1,350 TEU at 14 ts homogeneous load.
Homogeneous load according IMO rules with centre of gravity of 45%

holds no. 1 + 5 – cellular holds no. 2, 3, 4 – non
cellular

vessel is fitted with loose lashing material/fittings for abt. 1/3 of the maximum load of
containers.

Reefer: The vessel is fitted with 150 reefer plugs on deck

The vessel's power plant is able to provide up to abt. 1100 KW electrical power for the supply
of reefer units at sea service and up to 300 kW at manoeuvring.

<u>Stackweights:</u>	holds no. 1 – 5 :	144 mts/TEU, 180 mts/FEU
	tweendeck/pontoons :	35 mts/TEU, 45 mts/FEU
	hatchcovers	
	holds no. 1 :	50 mts/TEU, 65 mts/FEU
	holds no. 2 – 5 :	70 mts/TEU, 85 mts/FEU
	upper deck cellular :	90 mts/TEU, 110 mts/FEU

All weights are given on a "per stack" basis.





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Distribution of container-weights within a single 20'/40' stack to comply with the board manual for stowage and lashing of containers approved by the classification society.

Main engine: MAN B&W 7S60MC-C

Auxiliary Engine: 1 x ZJMD MAN B+W Type 7L23/30H
2 x ZJMD MAN-B+W Type 6L23/30H
1 x Emergency Generator MAN D2866 TE Set

Bowthruster: 1 x 900kW Output

Vessel is not fitted for cold ironing operation.

Hatches: 5 holds / 9 hatches

Covers: Folding Type / Tween Deck - Lift Away Type
Maker: MacGregor

Holds: Tanktops steel are suitable for grab discharge
Holds are CO2 fitted
Holds are fitted with smoke detection system
Fitted with Australian type approved hold ladders – AMSA former AWWF
Box shaped holds
Equipped with anti-heeling tanks
Vessel has double hull with no fuel tanks in double bottom, nor in direct contact with the outer shell.

Hold dimensions: hold no. hold dimensions (length/width/depth)

Hold No.1 (fore): 12.80m x 15.40m x 15.77m
Hold No.1 (aft): 12.80m x 20.40m x 15.77m

Hold No.2 – 4 (p): 25.60m x 10.30m x 15.77m
Hold No.2 – 4 (s): 25.60m x 10.30m x 15.77m

Hold No.5 (p): 12.80m x 10.30m x 15.77m
Hold No.5 (s): 12.80m x 10.30m x 15.77m

Hold No. 2,3,4: two level of tweendeck pontoons are fitted at following levels:





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Tank top to underneath twn decks - 6.23m

Tank top to underneath twn decks - 9.34m

Total clear heights in cargo holds no 2,3,4 (without tween decks):
tank top to underneath hatch cover - 15.77m

<u>Hold capacities:</u>	hold no.	grain/bale
	1	1x 5.599,75 cbm (Containerhold)
	2	2x 4.100,66 cbm
	3	2x 4.143,47 cbm
	4	2x 4.143.47 cbm
	5	2x 2.112,26 cbm (Containerhold)

total grain/bale capacity holds 2,3,4 stb/port 24.775 cbm

Tanktop strength: hold 2,3,4 – abt. 22.0 mts/m²
hold 1, 5 – abt. 13.0 mts/m²

HatchCover strength: abt. 2.5 mts/m² Tween

Deck strength: abt. 4 mts/m²

Cranes: two single cranes:

2 x 100 mts lifting capacity basis 32 m outreach, combinable to 200 mts basis less outreach incl. lifting beam/gear for cargo holds no. 2+3 (ps/stb)

one twin crane:

2 x 50 mts lifting capacity basis 27 m outreach (45 mts basis 30 m outreach), combinable with crane no. 2 single crane to 200 mts incl. lifting beam/gear for cargo holds no. 4 ps / stb

Tank capacities: HFO: abt. 2.908 m³
MDO: abt. 139 m³
Lub oil: abt. 129 m³
Fresh Water: abt. 287 m³ Ballast water: abt. 12.530 m³

Bunkers:

Navigation/ Fitted with all modern nautical aids / satellite navigation /
Communication: weather-chart recorder / Inmarsat system / GMDSS / SAT F

All details are always about and given in good faith.

