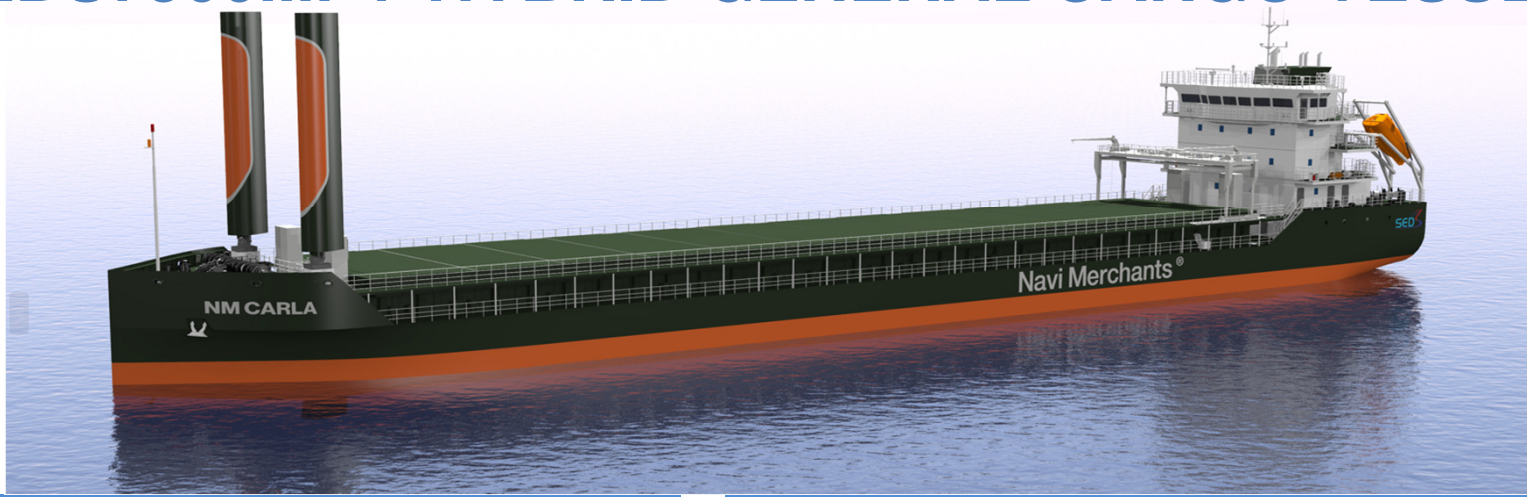


SEDS7500MPV-HYBRID GENERAL CARGO VESSEL



Main Particulars

Length o.a abt.	116.30 m
Length p.p abt.	113.60 m
Breadth mld.	17.50 m
Depth abt.	9.80 m
Draft Summer abt.	6.50 m
Deadweight Summer abt.	7500 t
Gross Tonnage (GT) abt.	5753

Cargo Hold

Hold total grain(Bale) abt.	11500 m ³
(Grain bulkheads stowed outside cargo hold)	406119 ft ³
No. of Holds	1
Hold length at tanktop abt.	75.75 m
Hold length at hatch opening abt.	81.30 m
Hold breadth abt.	13.5 m
Hold height abt.	10.90 m
Tank top loads	18 t/m ²
Pontoon hatchcover load	2 t/m ²
The hold suitable for steel coil weight	1 tier x 40 t
Maximum coil dia.	2.5 m
Maximum coil length (3 dunnage)	2 m

Propulsion/ Machinery

Main Engine	2150 kW
Propeller diameter in nozzle (CPP) abt.	3.50 m
Cruising Range abt.	5500 nm
Bow thruster abt.	350 kW

Eco Speed at 6.50 m (Trial + 15% SM) 10 knots

Fuel Consumption at 10.0 knots/85 kW shaft generator	5.77 t/day abt.
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Service speed at 6.50 m (Trial + 15% SM) 11 knots

Fuel Consumption at 11 knots service speed/85 kW shaft generator	7.71 t/day abt.
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Figures are based on: ISO 3046-1 with MGO LCV 42,700 kJ/kg, 3 built on pumps included, without 5% maker's tolerance.

Electrical Installation

Main power supply 400 volt at 50 Hz	
Two diesel generator	360 kW
One emergency generator/harbour generator	120 kWe
One shaft generator	375 kW

Green Features

An Electrical Energy Storage (EES) system of about 1000kWh, capable of PTO/PTI/PTH, peak shaving, blackout prevention, spinning reserve and full automatic control of the battery energy management all to be possible to run in parallel with Main Engine, Generators and Harbour Generator.

Option - Two wind sails, a foldable and autonomous unit for wind-assisted ship propulsion, offers emission reduction per nautical mile using wind.

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Nautical / communication

Communication equipment GMDSS A3, 2 x radars, Navtex, Echosounder, Speed/distance log, 2 x GPS receivers, A/P, VDR, AIS, ECDIS, gyro/magnetic compass

Classification

DNV ✕1A Multi-purpose Dry Cargo Ship
Grab (2-20), LCS

BWM (T), Clean, E0, NAUT(AW), BIS, TMON (Oil lubricated)
Ice 1B

Strengthened (IB), Container
DG (B), DG(P), DBC

Recyclable

Battery (safety)

Additional

Waterballast Treatment System USCG proven type

Heat recovery for ME/AE coolingwater

CO₂ fire extinguishing system in hold

Cathodic protection by means of ICCP

LAN in Accommodation

A-60 insulation for engine room bulkhead

Shaft generator PTO/PTI/PTH mode

Deck/ Life saving equipment

Electric anchoring / mooring equipment

Gantry crane for handling of the hatchcovers and grain bulkheads

One free fall lifeboat, one rescue boat and two life rafts

Capacities

LSMGO bunkers abt.	227 m ³
Ballast water abt.	3100 m ³
Fresh water abt.	49 m ³
Lubrication oil abt.	7 m ³
Urea abt.	15 m ³

Air-conditioning ventilation

Mechanical hold ventilation, 6 air changes/hr.

Central AC unit.

Grain bulkheads

Three grain bulkheads can be placed at minimum 11 positions. Each bulkhead consists of two panels, can be used as partial tween decks

Accommodation

Modern accommodation with Single cabin for 14 Persons.



Note: All statements, information and data given herein are preliminary and subjected to design development.

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