



HIGH BULK 40E

40,000DWT Type Handy size log/bulk carrier
Innovated by NAMURA (GN) and HAKODATE

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SUPERIOR PERFORMANCE TODAY CHARTERING THE SEAS OF TOMORROW

Ship owners around the world rely on our high performance bulk carriers to transport their commodities safely and efficiently to markets. Our new, progressive HIGH BULK 40E ship takes our shipping family one big step forward. Equipped with the latest eco-friendly technology and features, the ship has been re-invented to bring you exceptional performance on the seas.

Be bold and make a statement with our most environmentally-friendly and fuel efficient ship to date. HIGH BULK 40E wasn't engineered to run errands. Fast and seaworthy, this fearless carrier was made for the long-haul. Navigate the rugged seas with ease and confidence.

As previous models, HIGH BULK 40E is built with prized features. It has a large holding capacity, and outstanding stability. It is highly suitable for short-term charter, realizing voyage with low risk exposure. Get to the coast with low maintenance and superb environmental performance that will leave competitors in your wake.

39,800	Deadweight t	9.30/10.37	Draught m (dd/ds)
17.7	Fuel consumption t/day	21,000	Cruising range nm
7,280,000	Log capacity SCR		
50,500	Hold capacity (Grain) m³		

CONCEPT OF HIGH BULK 40E

Innovative excellence & Seaworthy technology

Large Hatch Opening

SOx Scrubber (option)

3 Diesel Generators

NOx Emission Limits (Tier III)

Low CO₂ Emissions
(EEDI Phase2, 27%)

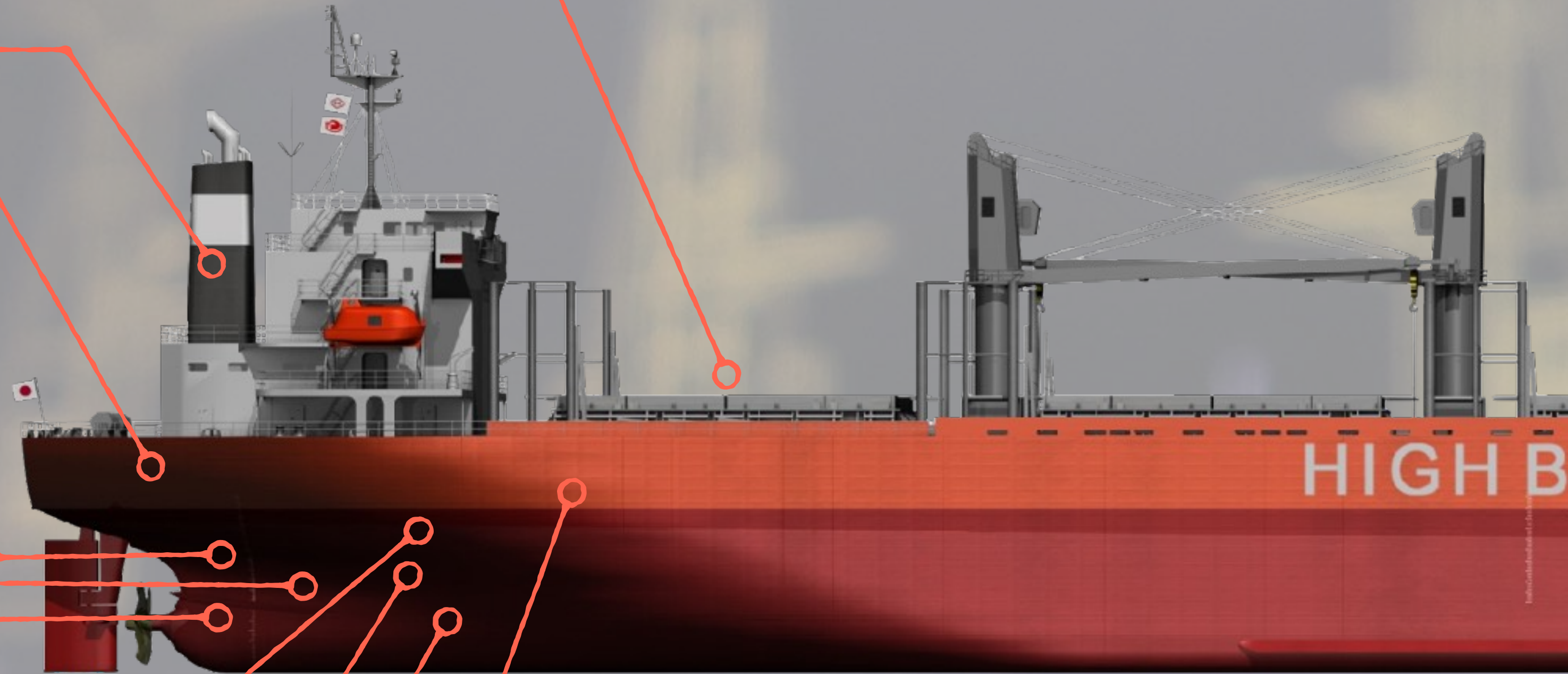
Energy Saving Devices

Fuel-Efficient Main Engine
(J-ENG 6UEC42LSH-Eco-D3)

Ballast Water Treatment System

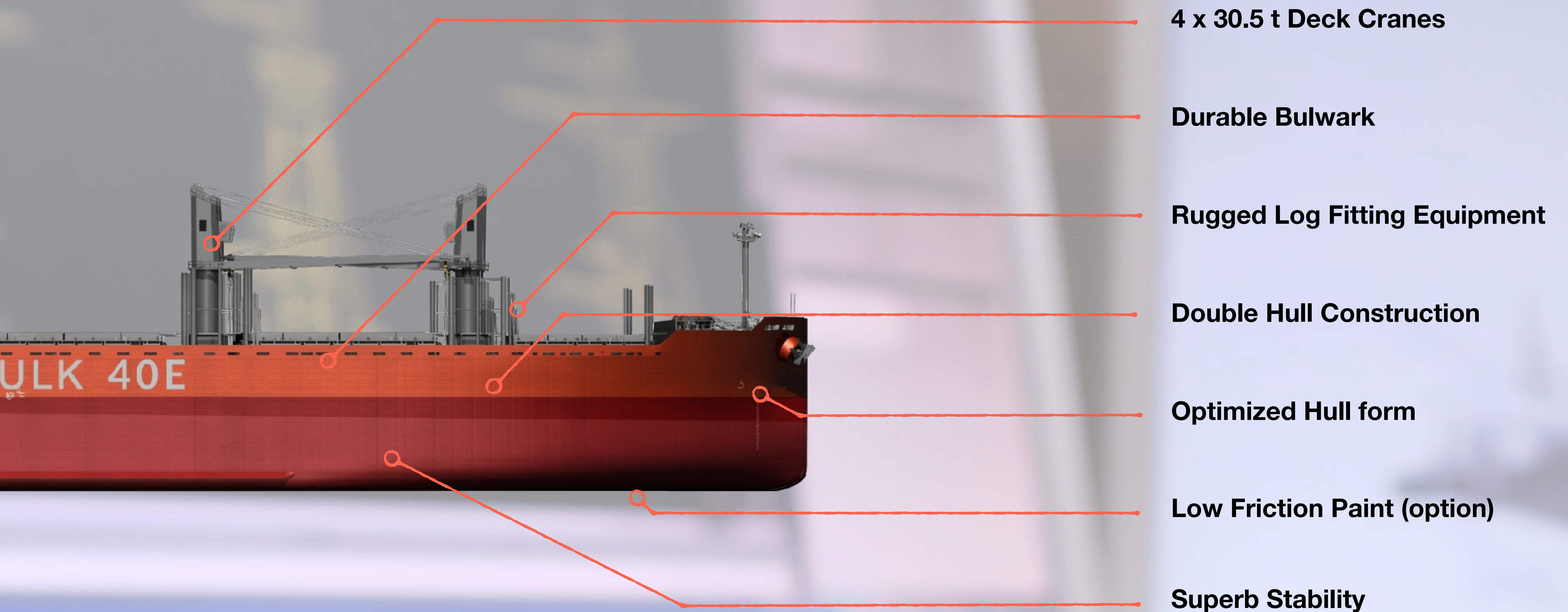
Large Marine Gas Oil Tank

Large Sewage/Grey Water Holding Tank



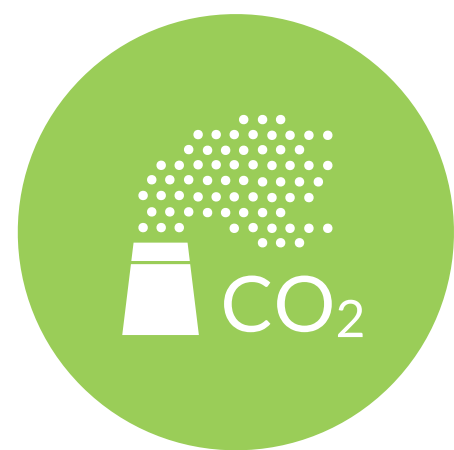
Overall Size

Length overall (Loa):	182.9 m
Length between perpendiculars (Lpp):	179.9 m
Breadth moulded (B):	31.6 m
Depth moulded (D):	14.8 m



LEADING ENVIRONMENTAL PERFORMANCE

Reduce GHGs and save money with efficient, eco-friendly technology.



27%

CO₂ reduction from the EEDI reference

EEDI Phase 2 (1 Jan 2020-31 Dec 2024) energy efficiency regulations require new bulk carrier ships to achieve a 20% CO₂ reduction from the EEDI reference line. Achieving a 27% CO₂ reduction, HIGH BULK 40E positions you well to satisfy current and future seafaring requirements.



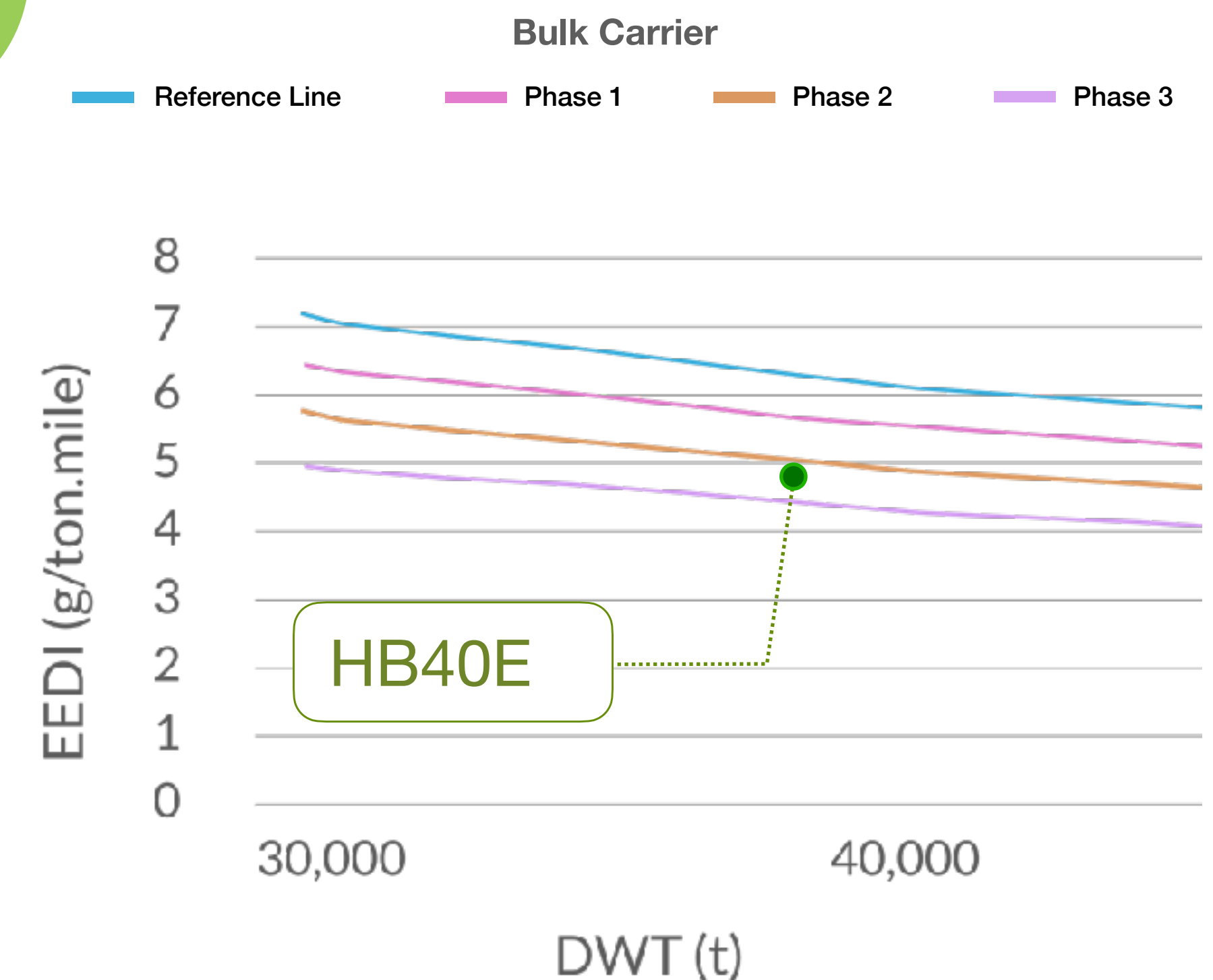
21,000 nm

great range efficiency

HIGH BULK 40E enjoys a super-long cruising range of 21,000 nm, an 24% increase over HIGH BULK 34E. Limit your re-fueling stops and save on fuel consumption and costs.



EEDI is less than reference line (Phase 2)





NOx emission limits

HIGH BULK 40E has been re-engineered to clear IMO's stringent, Tier III emission limits, a new requirement for cruising the North America and Caribbean ECA.



SOx emission limits

Go further in combatting air pollution with marine gas oil and low sulphur fuel oil for the main and generator engines. Increasingly important for operations in ECA today and across all oceans in the future, a SOx scrubber can be installed (option).

 NOx and SOx - ECA

Leaders anticipate. Charter your destiny.

Climate change has shifted global thinking and action towards sustainable economic development. This new world order brings challenges and opportunities to the shipping industry.

HIGH BULK 40E is designed to help you easily navigate the seafaring of tomorrow.

Featuring highly-efficient, environmentally-friendly options, HIGH BULK 40E will get your hold or cargo to port safely and economically over long distances. Leading energy-saving technology and reduced GHG emissions put you in the captain's seat of our environmental shift.

SMART DESIGN

HIGH ENVIRONMENTAL PERFORMANCE

Ballast Water Treatment System

01.

Combat the spread of invasive aquatic species through ships' ballast water. Our advanced water treatment system dumps dirty water and harmful bacteria, while protecting marine life.

Slop Tank (about 200 m³)

04.

HIGH BULK 40E's slop tank has sufficient storage capacity in order to prevent marine pollution by ship hold wash water that it safely keeps.

Fuel Oil Tank (about 1,400 m³)

02.

Secure and dependable. HIGH BULK 40E's FO tank is protected by double side structure or arranged on double bottom with probabilistic safety evaluation.

Grey Water Tank (about 80 m³)

05.

The grey water tank and sewage tank of HIGH BULK 40E safely hold domestic wastewater from the residents and treated sewage. The sewage tank is bigger, in response to our clients' needs.

Marine Gas Oil Tank (about 270 m³)

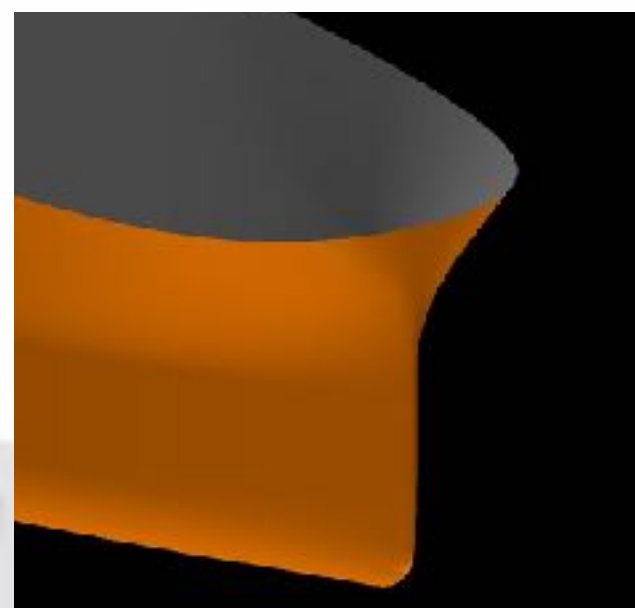
03.

In response to our clients' needs and regulatory requirements, HIGH BULK 40E further expanded the MGO tank.



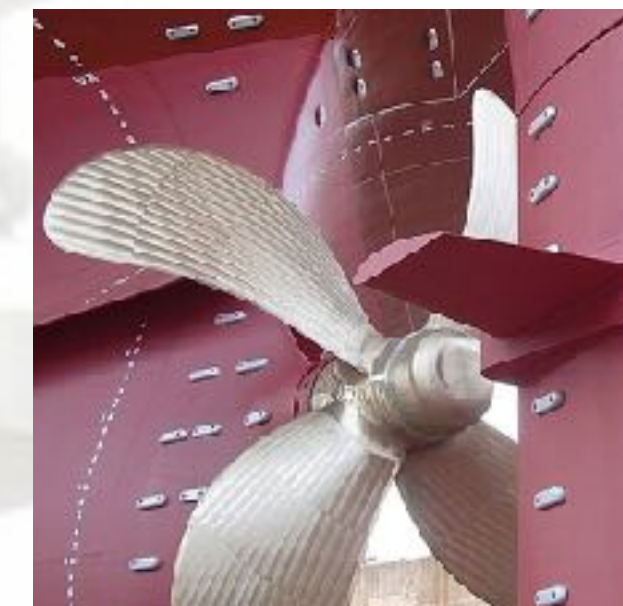
NEXT LEVEL INNOVATION

The re-invented HIGH BULK 40E comes equipped with technical features giving it the highest ratings in the world.



Optimum Hull Form

The ship has been optimized for both higher propulsive performance and lower fuel consumption.



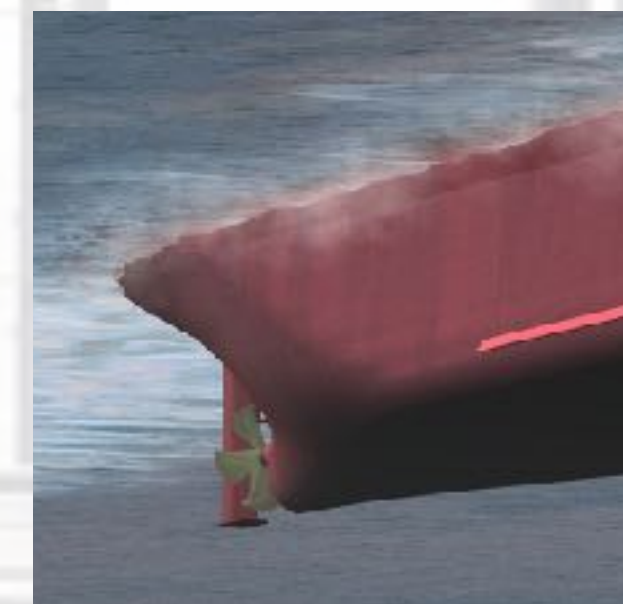
Non-Hub Vortex Propeller

Recover lost energy. Hub vortex, which causes energy loss, can be almost or completely suppressed using only propeller blades, without the need for special equipment and additives.



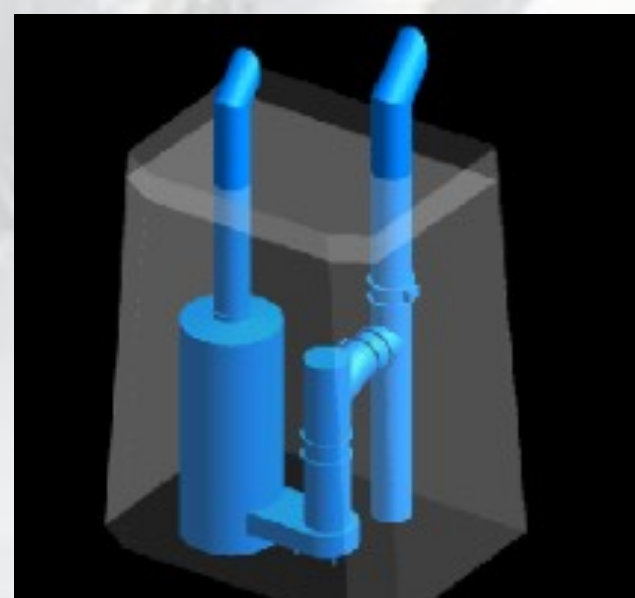
Energy Saving Devices

The ship's combined Namura flow Control Fin (NCF) and Rudder Fin help stabilize the propeller inflow and increase energy efficiency by collecting and re-using energy from the propeller's outflow.



Low Friction Paint (option)

The drag – and wear and tear – of the ship's hull is reduced with high quality, high performance low friction paint.



SOx cleaning technology

HIGH BULK 40E has increased the MGO tank capacity as a genuine product in order to cope with regulatory clearance by using MGO. In addition, it can be equipped with a SOx scrubber for purifying exhaust gas emission.



UE-Eco-Engine (J-ENG 6UEC42LSH-Eco-D3)

Cruise the seas with assurance that high performance, fuel-efficient engine will get you to your next destination safely.

M.C.O.: 5,680 kW at 105.0 rpm

N.C.O.: 4,735 kW at 98.8 rpm

DELIVERING VALUE WITH INNOVATIVE EXCELLENCE

You asked and we are listening. HIGH BULK 40E is our most innovative and robust ship we have designed to date. This highly-efficient and environmentally-friendly carrier is equipped with all the capabilities to get your commodities to market safely and efficiently.



Deadweight (dd/ds)

34,350/39,800 t

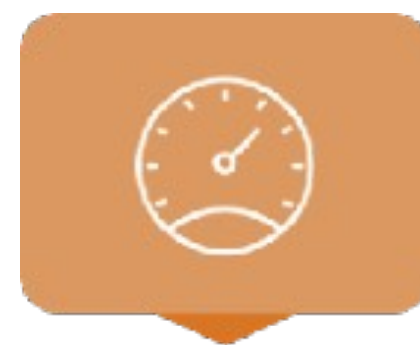
Super deadweight carrying capabilities give you many cargo possibilities that HIGH BULK 40E can safely ship around the world.



Cruising Range

21,000 nm

We engineered HIGH BULK 40E with a significantly longer cruising range. Reduce your need to re-fuel and save big on fuel costs.



Service Speed

Vs = 14.0 knots

Get to your destination quicker.



Fuel Consumption

17.7 t/day

Its fuel consumption is markedly lower than that of our previous models, saving you money and time spent on re-fueling.



Cargo Capacity

50,500 m³

Cargo Hold (Grain)

7,280,000 SCR

Log Capacity

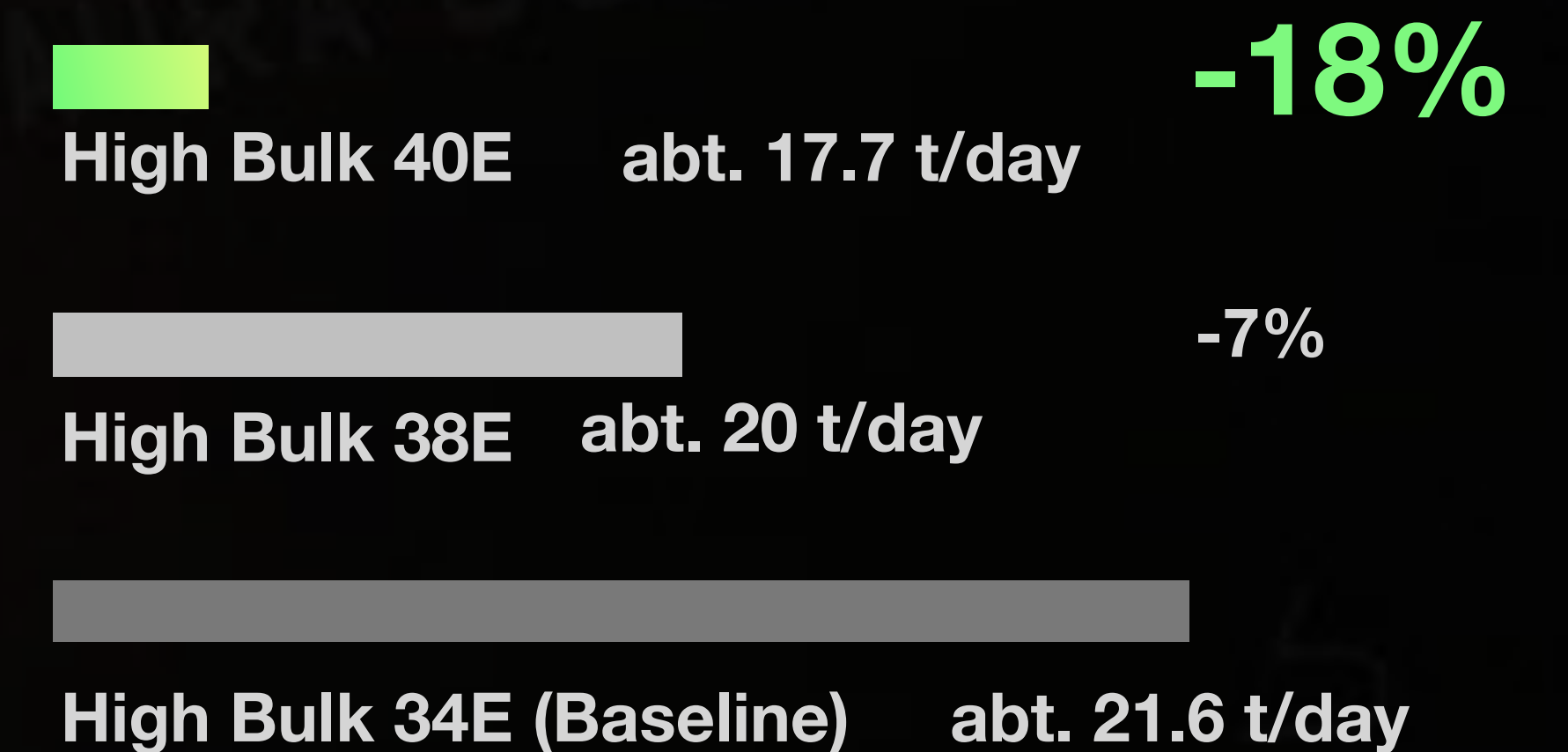
EVOLUTION FROM OUR PREVIOUS MODELS

We are endlessly searching for ways to improve performance, reliability, and safety of our carriers. Since our last ship, we have achieved significant improvements in fuel oil consumption and cruising range.

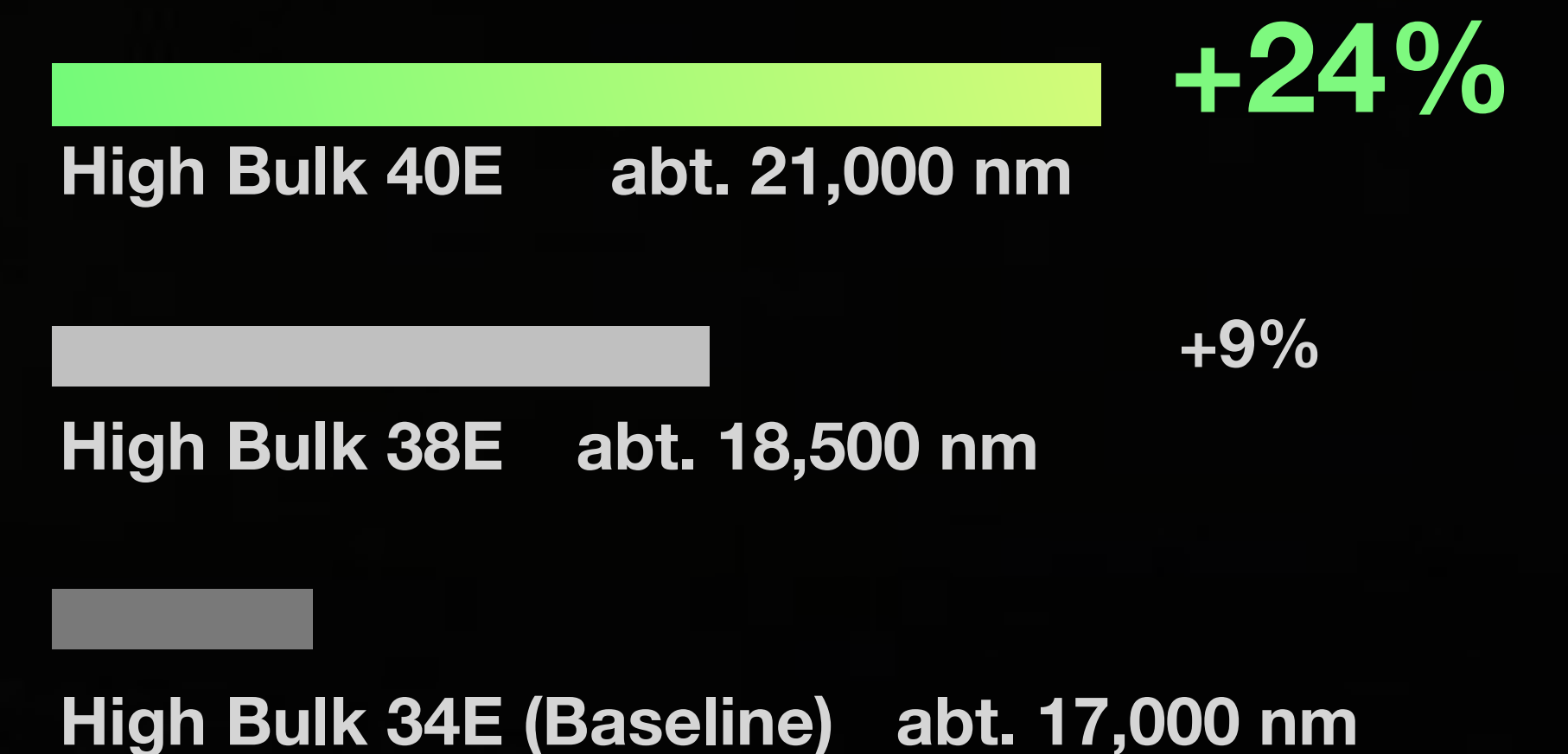
Continue counting on our ship's reliable components, large hold capacity, and strong working capabilities to get your hold to shore safely and efficiently.

	HIGH BULK 34E	HIGH BULK 40E	
DWT	abt. 34,000 t	abt. 39,800 t	▲ 17%
FOC at NCO	abt. 21.6 t/day	abt. 17.7 t/day	-18%
Cruising Range	abt. 17,000 nm	abt. 21,000 nm	+24%
Hold Capacity (Grain)	abt. 44,150 m ³	abt. 50,500 m ³	+14%
Log Capacity	abt. 6,535,000 SCR	abt. 7,280,000 SCR	+11%
Heavy Fuel Oil	abt. 1,300 m ³	abt. 1,400 m ³	+8%
DO/MGO	abt. 70/80 m ³	abt. 80/270 m ³	+14/+237%
Hatch Opening	No.1: 14.05 m (L) x 14.2 m (B)	No.1: 16.8 m (L) x 15.3 m (B)	+29%
	No.2-5: 20.4 m (L) x 20.4 m (B)	No.2-5: 21.0 m (L) x 22.0 m (B)	+11%

Fuel Oil Consumption at NCO



Cruising Range





CRUISE THE SEAS IN COMFORT AND EASE SKIP THE TROUBLES

HIGH BULK 40E features a large space and clear, wide-window view. Its wheelhouse is expertly arranged for navigation equipment to facilitate ease of navigation. We will also deliver you and your package safely and efficiently to your destination with high-quality, technical packaging by Japanese manufacturers and secure, after-care service and support.



Cabins, dining areas, and living quarters are designed with comfort and functionality in mind. HIGH BULK 40E imposes a strict standard for interior noise (SOLAS II-1/3-12, CODE ON NOISE LEVELS ON BOARD SHIPS, MSC337(91)).



D



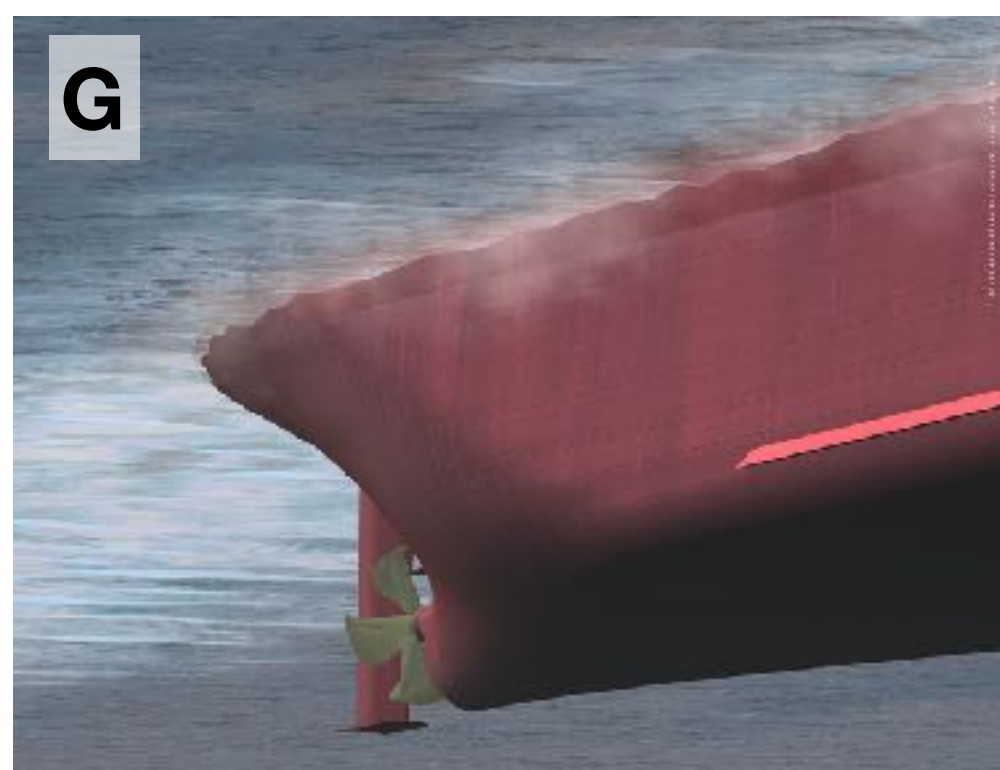
I



I



E



G



K

OPTION LIST

Buyer's choice: The following options are available with cost adjustment.

- A. "MAN B&W 6S46ME-B8.5" for main engine
- B. SOx scrubber
- C. Alternate loading for heavy cargo (S.G. = 3.0 t/m³) with full draught (Nos.2 & 4 holds may be empty)
- D. Private lavatory for junior officer class or all class
- E. Free-fall lifeboat
- F. Five (5)-years A/F paint on out side shell
- G. Low-friction type A/F paint for flat bottom, side bottom (Up to normal ballast line)
- H. Unattended machinery space (NK,"M0")
- I. Grab fitting;
 1. Grab shall be supplied by the Owner.
 2. Grab seat shall be provided.
- J. In water survey (NK,"IWS")
- K. "MACGREGOR Flexipad" for hatch cover (Non-sliding flexible bearing pad)
- L. Log rack on upper deck
- M. Equipments for transiting the Neopanamax Locks at PANAMA CANAL

ABOUT US

In 1896, the company was founded in Hakodate, which overlooks the scenic, Tsugaru Strait.

For over a century, we have met various needs and demands for shipbuilding, ship repair, bridge construction, and industrial machineries as the largest heavy industry company in the north of Japan.

In addition, we provide a wide range of products and services, including environmental facilities and large cargo handling gears for port services.

Based upon our accumulated techniques and experiences over many years, we continue our efforts to meet customers' needs by providing quality products and services.



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An aerial photograph of a coastal city and port. The foreground shows a large industrial port area with several piers, cranes, and a large building with a corrugated metal roof. The middle ground is a wide expanse of blue water with a few ships. In the background, a dense urban area is visible, followed by a range of mountains under a clear sky. The text 'HIGH BULK 40 E' is overlaid in the center, with a small green leaf icon above the 'K' in 'BULK'.

HIGH BULK 40 E

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