

# LR1 77,000 DWT Product Oil / Chemical Carrier 35

☐ Contents ☐ By Builder ☒ By Ship Type



Features

- 1. Comply with EEDI Phase 3 regulations.
- 2. The unique hull form, which reduces resistance, is paired with our exclusive fuel-efficiency technologies to improve the ship's performance.
- 3. Equipped with the environmental technologies devices to prevent the air pollution from the NOx and SOx emissions and marine pollution from the oil spillages, etc.
- 4. While keeping the breadth of 38m and shallowing the depth and draft, the same air draft and manifold height as that of a MR tanker has been achieved.
- 5. Not only capable of carrying crude oil and petroleum products, such as naphtha and gasoline, it also can carry IMO Type 3 classified chemicals, such as vegetable oil

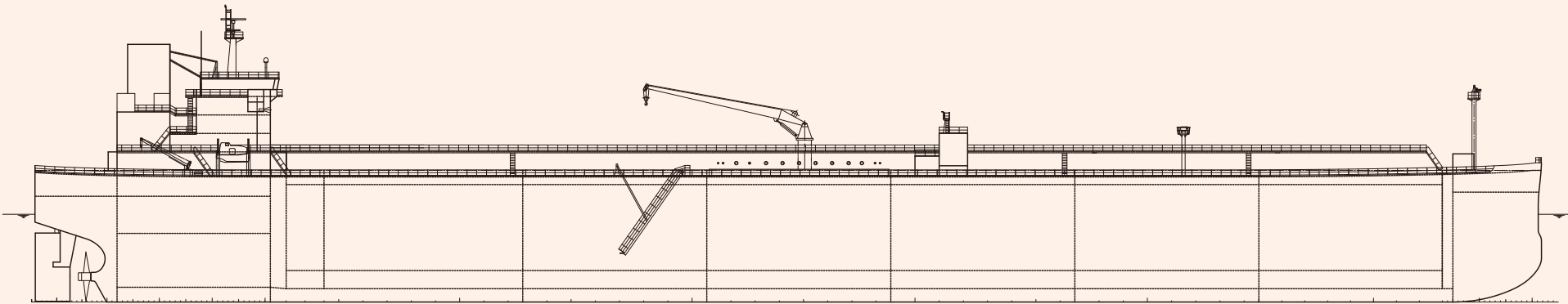
PRINCIPAL PARTICULARS

Length (o.a.) .....	228 m	Gross tonnage .....	46,100
Breadth (mld.) .....	38 m	Deadweight.....	77,000 mt
Depth (mld.) .....	18.95 m	Loading capacity.....	92,000m³
Draft (mld.) .....	13.3 m	Builder .....	Tsuneishi Shipbuilding Co., Ltd.

and so on.

- 6. Equipped with independent cargo pumps in each of the cargo tanks, enable the loading of various kinds of cargo.
- 7. Exclusive T-MAX³ technology that maximizes ship cargo capacity was applied to secure 92,000m³, which accommodates approximately twice as much cargo lot as a MR tanker.

- 8. The deadweight of 77,000 MT ensures maximum utilization of cargo capacity.
- 9. The cargo capacity under draft restrictions is greatly improved due to the shallow draft of the wide-ship model.
- 10. The original interior concept NEXT STYLE, utilizing exquisite design and indirect lighting, provides the crew with relaxation and comfort.





# KAMSARMAX 82,400 DWT Bulk Carrier 58

☐ Contents ☐ By Builder ☒ By Ship Type





KAMSARMAX 82,400 DWT Bulk Carrier 58

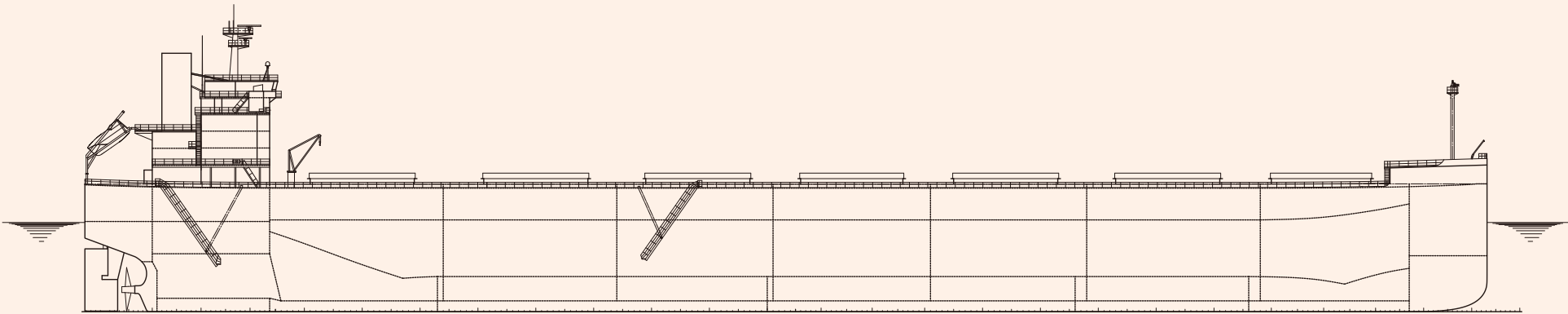
Features

- 1. Comply with EEDI Phase 3 regulations.
- 2. The unique hull form, which reduces resistance, is paired with our exclusive fuel-efficiency technologies to improve the ship's performance. A further improvement of about 31% reduction on the fuel consumption per ton-mile has been achieved successfully when comparing to the first KAMSARMAX delivered in 2005.
- 3. Equipped with the environmental technologies devices to prevent the air pollution from the NOx and SOx emissions and marine pollution from the oil spillages, etc.
- 4. Length of 229 meters, which allows entry to Kamsar Port in the Republic of Guinea.

PRINCIPAL PARTICULARS

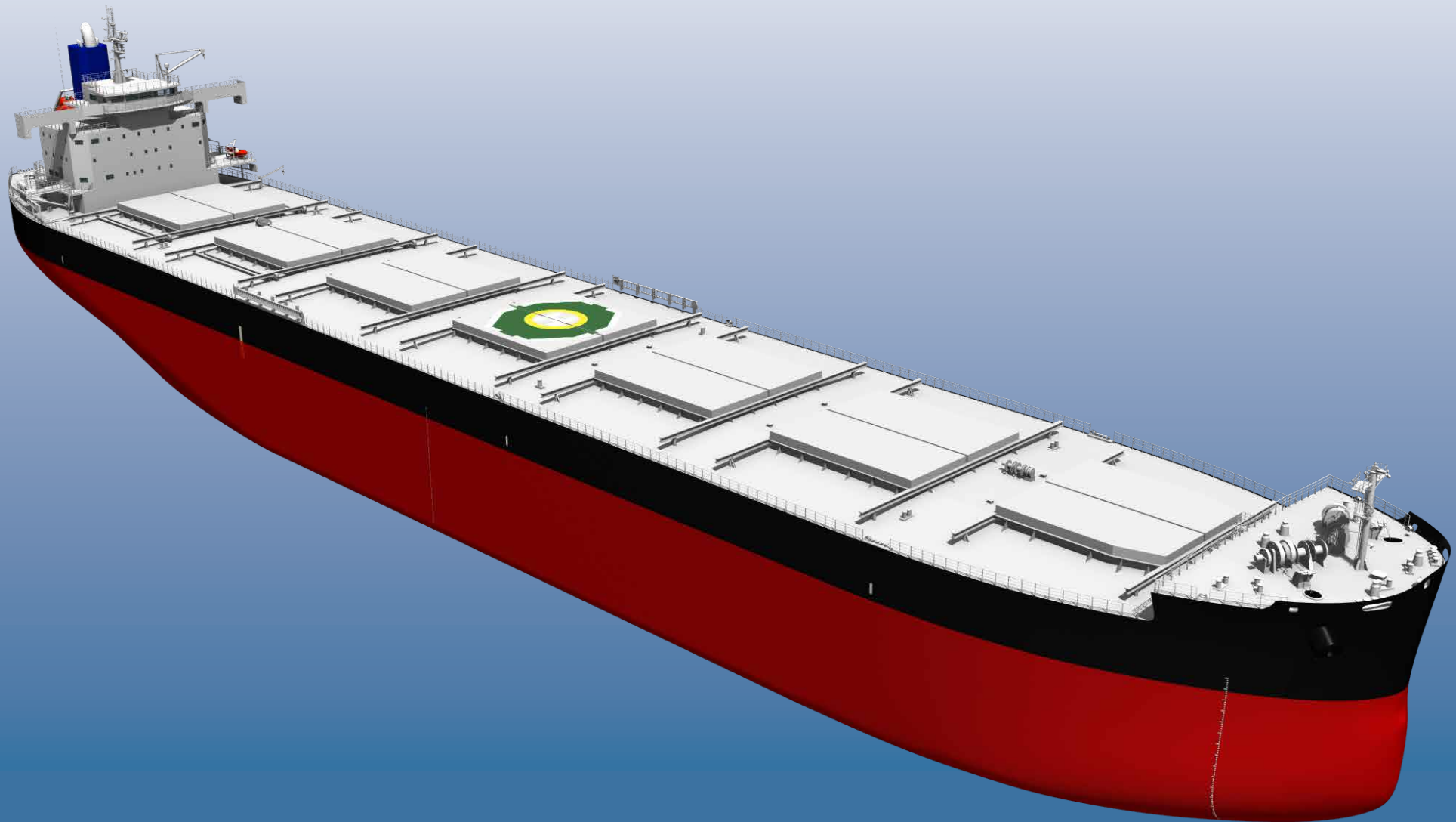
Length (o.a.)	229 m	Gross tonnage	44,000
Breadth (mld.)	32.26 m	Deadweight	82,400 mt
Depth (mld.)	20.15 m	Loading capacity	98,000 m³
Draft (mld.)	14.55 m	Builder	Tsuneishi Shipbuilding Co., Ltd.

- 5. Designed with shallow draft and minimal air draft for versatility to accommodate the majority of major ports.
- 6. Excellent trading flexibility for carrying the three major bulk cargoes of iron ore, grains, and coal, as well as hot coils.
- 7. Achieve a deadweight of over 82,000 MT with the shallowest draft in its category.
- 8. With a cargo capacity of 98,000m³, it can carry large volumes of low-density cargo, such as grains.
- 9. The original interior concept NEXT STYLE, utilizing exquisite design and indirect lighting, provides the crew with relaxation and comfort.



# WIDE KAMSARMAX 88,500 DWT Bulk Carrier 59

☐ Contents ☐ By Builder ☒ By Ship Type



# WIDE KAMSARMAX 88,500 DWT Bulk Carrier 59

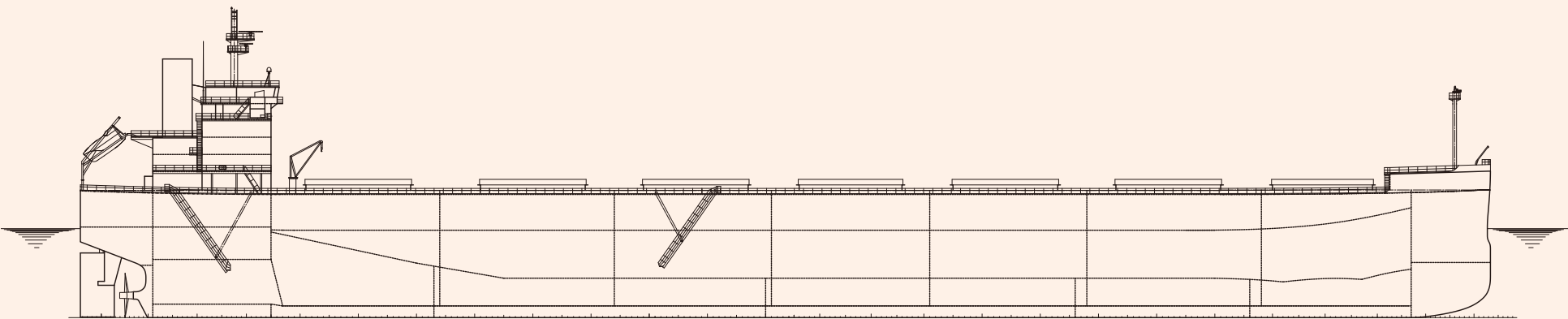
## Features

- 1. Comply with EEDI Phase 3 regulations.
- 2. The unique hull form, which reduces resistance, is paired with our exclusive fuel-efficiency technologies to improve the ship's performance. This has improved fuel consumption per ton-mile by approximately 11%, compared to KAMSARMAX.
- 3. Equipped with the environmental technologies devices to prevent the air pollution from the NOx and SOx emissions and marine pollution from the oil spillages, etc.
- 4. Keeping the length of 229m makes the ship possible to enter the Kamsar Port in the Republic of Guinea as well as about 90% of the ports that the KAMSARMAXs built

## PRINCIPAL PARTICULARS

Length (o.a.)	229 m	Gross tonnage	47,400
Depth (mld.)	20 m	Deadweight	88,500 mt
Draft (mld.)	14.45 m	Loading capacity	103,300 m³
		Builder	Tsuneishi Shipbuilding Co., Ltd.

- by TSUNEISHI SHIPBUILDING have called at.
- 5. Enable to carry the three major bulk cargos of iron ore, grains, coal, while alternate loading is possible for high-density cargo, such as iron ore.
- 6. Air draft was maintained at the same level as KAMSARMAX.
- 7. The increase of 6,000 MT loading capacity has achieved
- by the wider beam and shallower draft, compared with the KAMSARMAX.
- 8. Cargo capacity has increased by 5,300m³ with bigger loading volumes of low-density cargo, such as grains.
- 9. The original interior concept NEX STYLE, utilizing exquisite design and indirect lighting, provides the crew with relaxation and comfort.





# TESS64 AEROLINE 63,300 DWT Bulk Carrier 66

☐ Contents ☐ By Builder ☐ By Ship Type





TESS64 AEROLINE 63,300 DWT Bulk Carrier 66

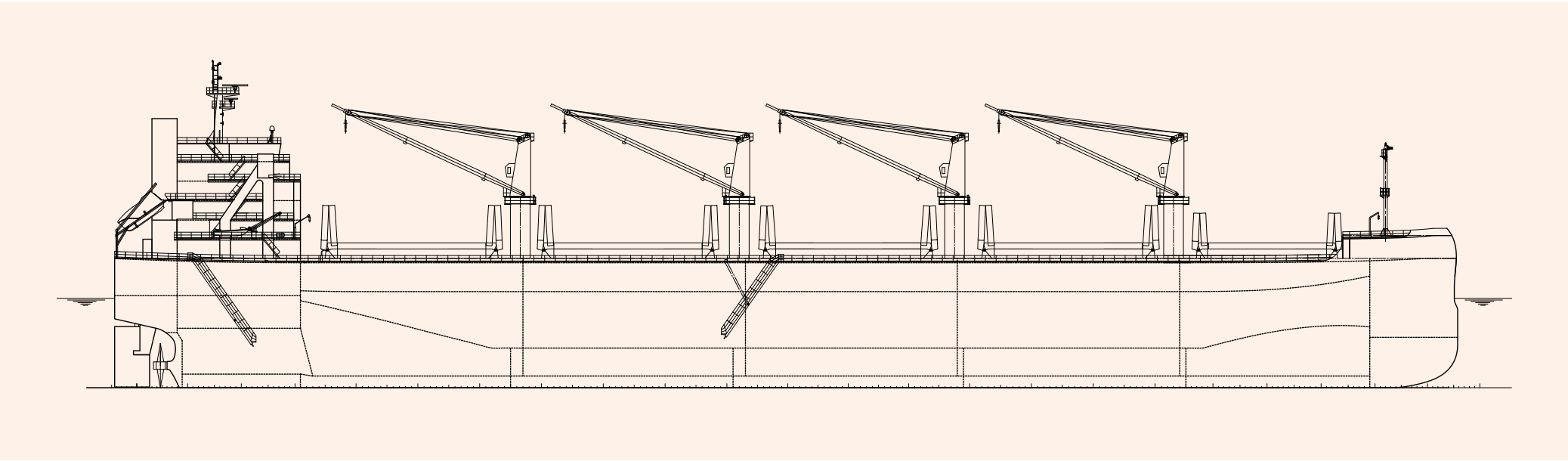
Features

- 1. Comply with EEDI Phase 3 regulations.
- 2. The unique hull form, which reduces resistance, is paired with our exclusive fuel-efficiency technologies to improve the ship's performance. This has improved fuel consumption per ton-mile by approximately 29%, compared to TESS58.
- 3. Equipped with the environmental technologies devices to prevent the air pollution from the NOx and SOx emissions and marine pollution from the oil spillages, etc.
- 4. The unique and exclusive AEROLINE technology for the reduction of wind resistance is applied to the bow and accommodation house to improve the fuel efficiency at actual sea performance.
- 5. Length extended to 200m while maintaining the breadth

PRINCIPAL PARTICULARS

Length (o.a.)	200 m	Gross tonnage	36,000
Breadth (mld.)	32.26 m	Deadweight	63,300 mt
Depth (mld.)	18.6 m	Loading capacity	79,000 m³
Draft (mld.)	13.3 m	Builder	Tsuneishi Shipbuilding Co., Ltd.

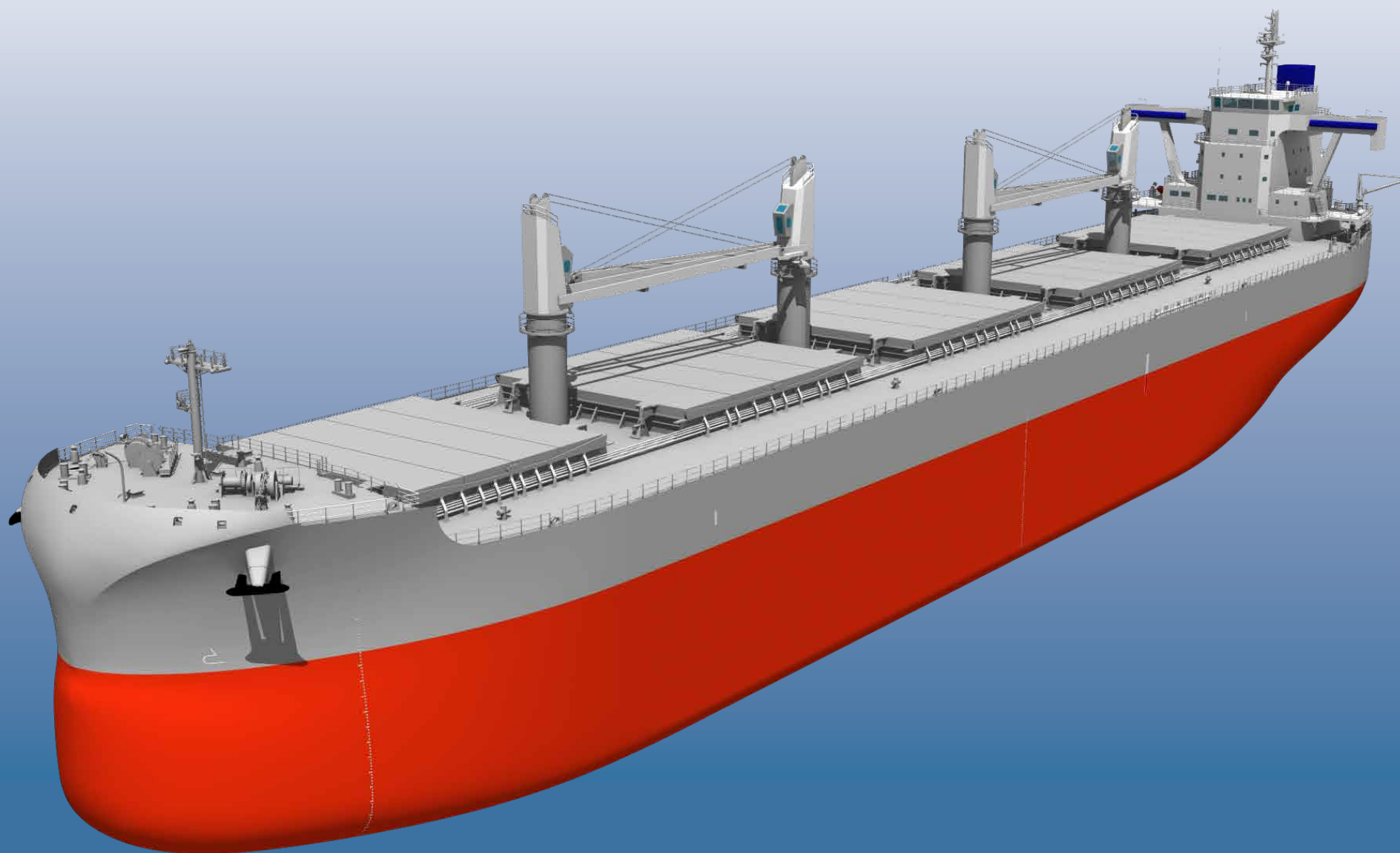
- to pass through the Panama Canal.
- 6. Keeping the low air draft and the depth 18.6m to ensure the ship's versatility.
- 7. Excellent trading flexibility for carrying the three major bulk cargoes of iron ore, grains, and coal, as well as hot coils.
- 8. Achieve a deadweight of over 63,000 MT with the shallowest draft in its category.
- 9. With a cargo capacity of 79,000m³, it is capable of transporting large volumes of low-density cargo, such as grains, etc.
- 10. The original interior concept NEXT STYLE, utilizing exquisite design and indirect lighting, provides the crew with relaxation and comfort.





# TESS66 AEROLINE 66,200 DWT Bulk Carrier 67

☐ Contents ☐ By Builder ☒ By Ship Type



TESS66 AEROLINE 66,200 DWT Bulk Carrier 67

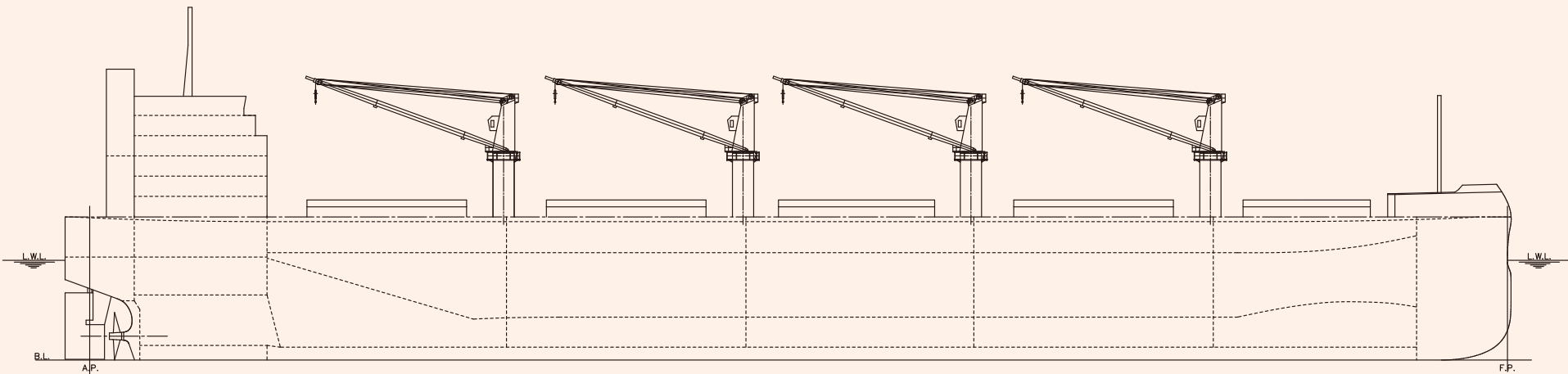
Features

- 1. Comply with EEDI Phase 3 regulations.
- 2. The unique and exclusive AEROLINE technology for the reduction of wind resistance is applied to the bow and accommodation house to improve the fuel efficiency at actual sea performance.
- 3. Equipped with the environmental technology devices to prevent the air pollution from the NOx and SOx emissions and marine pollution from the oil spillages, etc.
- 4. The improved hull design allows for better fuel efficiency during both shallow and full draft operations.
- 5. Versatility retained with the same length as TESS64, the breadth to pass through the Panama Canal.
- 6. The depth of 19.15m, and a suppressed air draft all lend

PRINCIPAL PARTICULARS

Length (o.a.)	200 m	Gross tonnage	36,900
Breadth (mld.)	32.25 m	Deadweight	66,200 mt
Depth (mld.)	19.15 m	Loading capacity	81,500 m³
Draft (mld.)	13.8 m	Builder	Tsuneishi Shipbuilding Co., Ltd.

- to the operational flexibility.
- 7. Excellent trading flexibility for carrying the three major bulk cargoes of iron ore, grains, and coal, as well as hot coils.
- 8. The largest class deadweight capacity of Ultramax category, beyond 66,000 MT.
- 9. With hull design improvements and vessel weight reduction, loading capability has been enhanced.
- 10. Cargo capacity is 81,500m³, the largest in the Ultramax category.
- 11. The original interior concept NEXT STYLE, utilizing exquisite design and indirect lighting, provides the crew with relaxation and comfort.





# TESS42 42,200 DWT Bulk Carrier 75

☐ Contents ☐ By Builder ☒ By Ship Type



TESS42 42,200 DWT Bulk Carrier 75

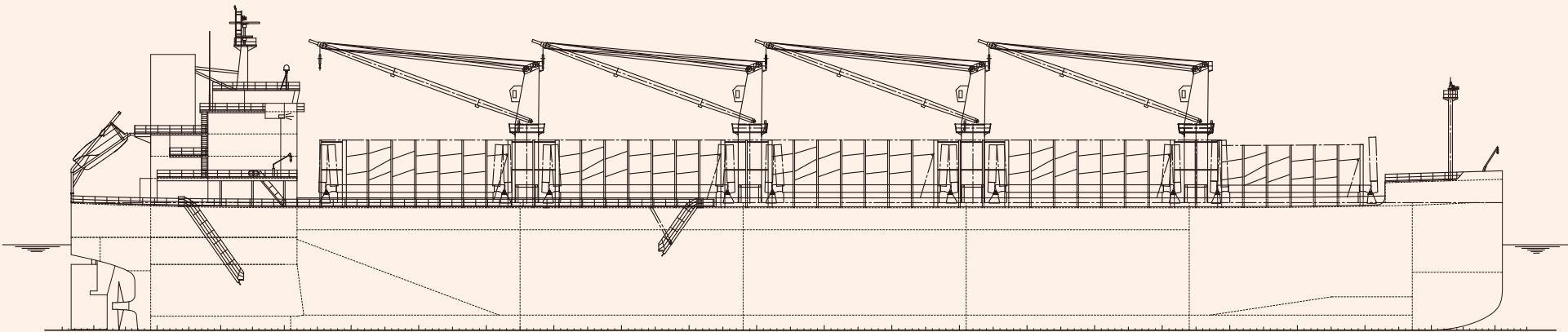
Features

- 1. Comply with EEDI Phase 3 regulations.
- 2. The unique hull form, which reduces resistance, is paired with our exclusive fuel-efficiency technologies to improve the ship's performance.
- 3. Equipped with the environmental technologies devices to prevent the air pollution from the NOx and SOx emissions and marine pollution from the oil spillages, etc.
- 4. Versatility retained with the same length as TESS38.
- 5. Excellent trading flexibility for carrying the three major bulk cargoes of iron ore, grains, coal, as well as lumber, hot coils, sulfur, etc.

PRINCIPAL PARTICULARS

Length (o.a.) .....	180 m	Gross tonnage .....	26,700
Breadth (mld.) .....	32.2 m	Deadweight .....	42,200 mt
Depth (mld.) .....	15.4 m	Loading capacity .....	52,400 m³
Draft (mld.) .....	10.75 m	Builder .....	Tsuneishi Shipbuilding Co., Ltd.

- 6. Apply semi-box-type cargo holds that are suitable for transporting steel products as well.
- 7. Compared to TESS38, the deadweight capacity is increased by approximately 2,000 MT at the same draft and by approximately 4,000 MT at full load.
- 8. With a cargo capacity of 52,400m³, this ship can transport large volumes of low-density cargo, such as grains.
- 9. The original interior concept NEXT STYLE, utilizing exquisite design and indirect lighting, provides the crew with relaxation and comfort.





# 1,091 TEU Container Carrier

95

☐ Contents ☐ By Builder ☒ By Ship Type



1,091 TEU Container Carrier 95

Features

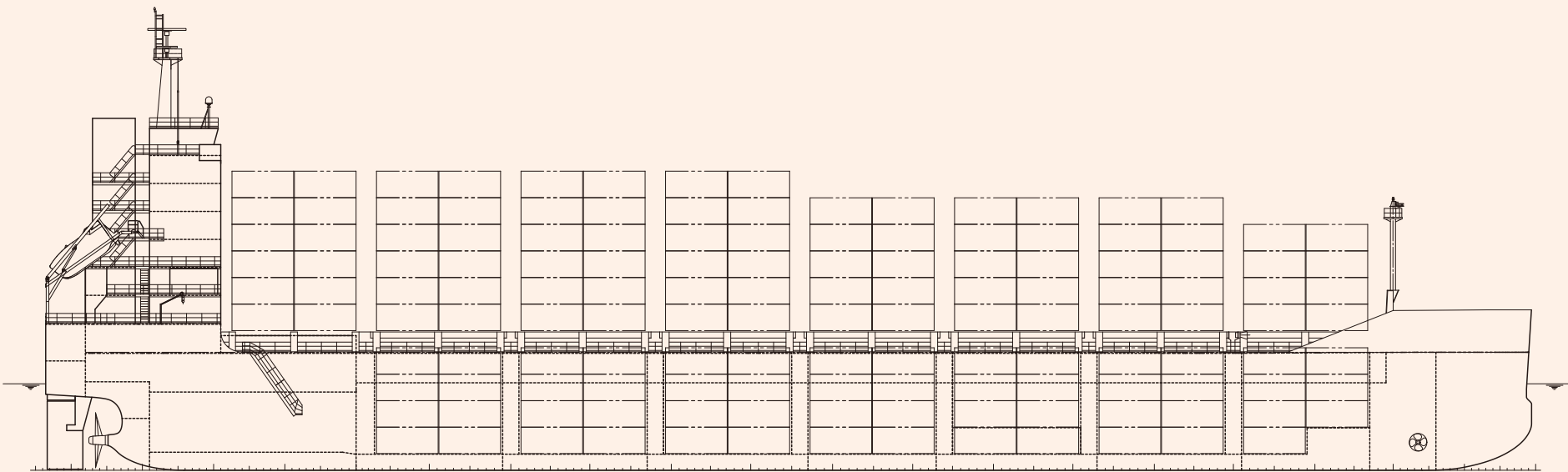
- 1. Comply with EEDI Phase 3 regulations.
- 2. The unique hull form, which reduces resistance, is paired with our exclusive fuel-efficiency technologies to improve the ship's performance.
- 3. Equipped with the environmental technologies devices to prevent the air pollution from the NOx and SOx emissions and marine pollution from the oil spillages, etc.
- 4. As gross tonnage is less than 10,000, there is no need for a pilot in Japan's major ports.
- 5. Equipped with reefer container sockets on both the

PRINCIPAL PARTICULARS

Length (o.a.)	146 m	Draft (mld.)	8.5 m
Breadth (mld.)	23.25 m	Gross tonnage	Less than 10,000
Depth (mld.)	11.5 m	Loading capacity	1,091 TEU
		Builder	Tsuneishi Shipbuilding Co., Ltd.

- upper deck and cargo holds. Some cargo holds can also load dangerous cargo containers.
6. The accommodation house is located at the stern end. This allows the crane to move smoothly and faster in loading / discharging operation.

7. While keeping the compact principal particulars and stability, maximal loading capacity and actual loading capacity have been improved, compared to the previous design.





# 2,806 TEU Container Carrier 96

☐ Contents ☐ By Builder ☒ By Ship Type



# 2,806 TEU Container Carrier 96

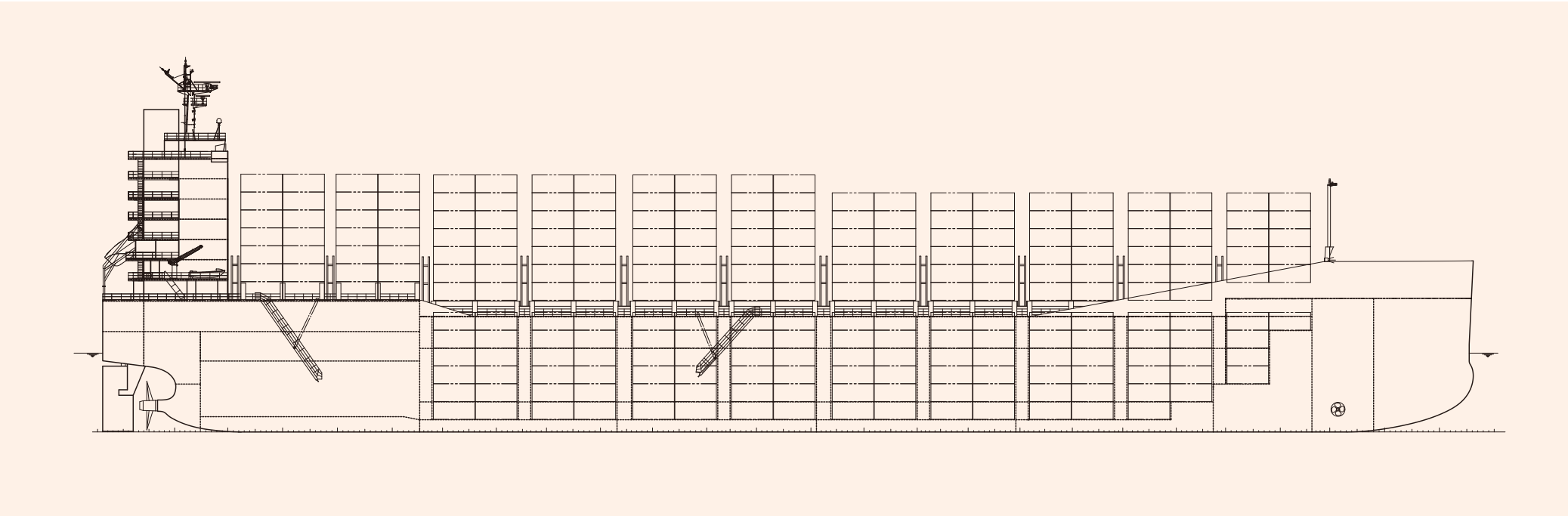
### Features

1. The unique hull form, which reduces resistance, is paired with our exclusive fuel-efficiency technologies to improve the ship's performance.
2. Equipped with the environmental technologies devices to prevent the air pollution from the NOx and SOx emissions and marine pollution from the oil spillages, etc.
3. Equipped with reefer container sockets on both the upper deck and cargo holds. Cargo holds can load dangerous cargo containers.
4. High service speed of 21 knots.

### PRINCIPAL PARTICULARS

Length (o.a.)	200 m	Draft (mld.)	11.3 m
Breadth (mld.)	35.2 m	Gross tonnage	28,500
Depth (mld.)	16.8 m	Loading capacity	2,806 TEU
		Builder	Tsuneishi Shipbuilding Co., Ltd.

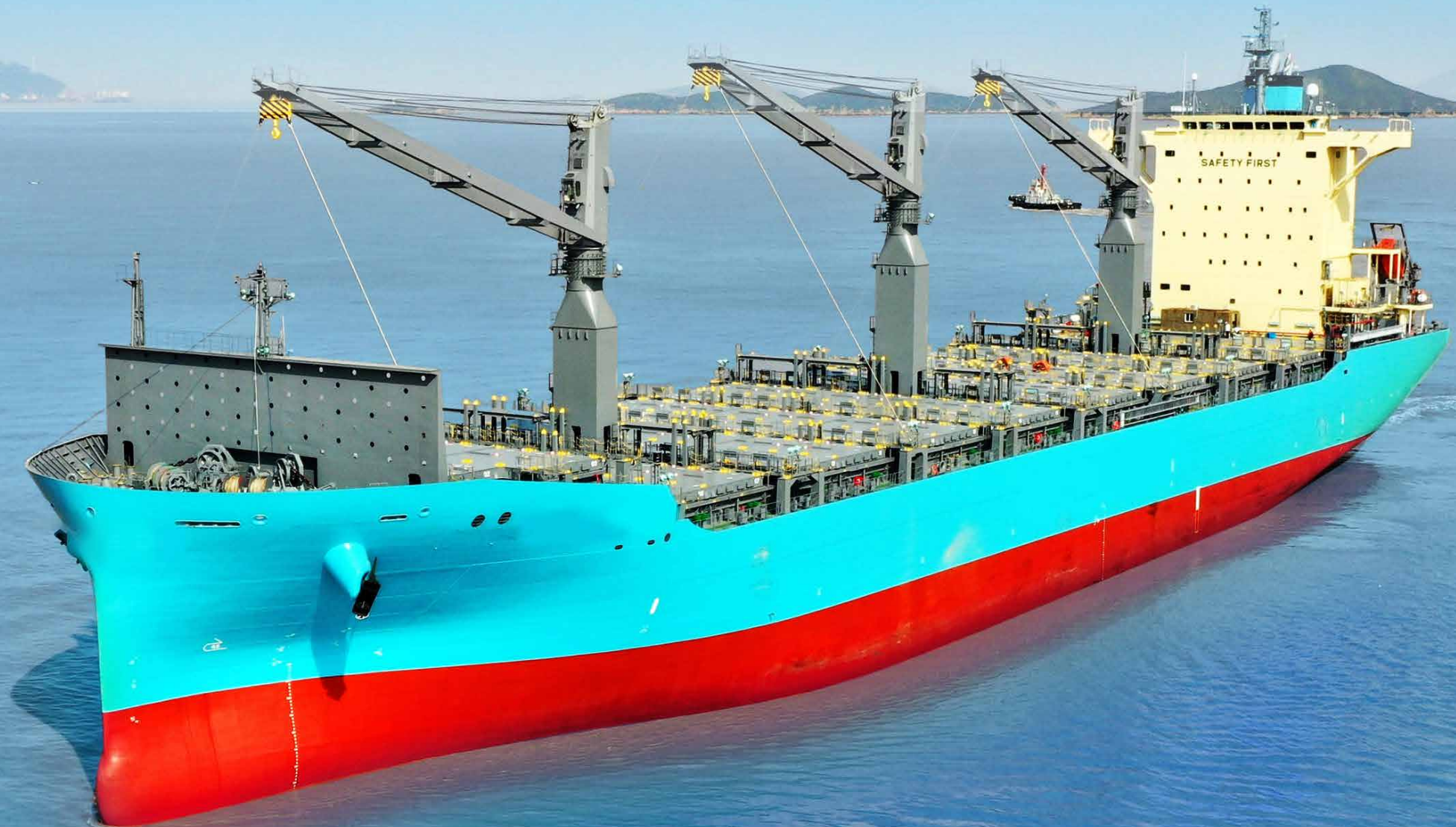
5. The accommodation house is located at the stern end. This allows the crane to move smoothly and faster in loading / discharging operation.
6. The ship is designed with a wider breadth than the conventional Panama model to increase the full container load with maximum container loading capacity of 2,806TEU.
7. Equipped with lashing bridges to improve upper deck loading capacity.





# 2,806 TEU Container Carrier with Gear 97

☐ Contents ☐ By Builder ☒ By Ship Type



# 2,806 TEU Container Carrier with Gear 97

## Features

- 1. Comply with EEDI Phase 3 regulations.
- 2. The unique hull form, which reduces resistance, is paired with our exclusive fuel-efficiency technologies to improve the ship's performance.
- 3. Equipped with the environmental technologies devices to prevent the air pollution from the NOx and SOx emissions and marine pollution from the oil spillages, etc.
- 4. A wide beam with 186m LOA ship type that meets the port restriction conditions of Chittagong.
- 5. Equipped with a total of 600 reefer container sockets on the upper deck and cargo holds.

## PRINCIPAL PARTICULARS

Length (o.a.)	186 m
Breadth (mld.)	35.6 m
Depth (mld.)	17.9 m

Draft (mld.)	11 m
Gross tonnage	33,700
Loading capacity	2,806 TEU
Builder	Tsuneishi Shipbuilding Co., Ltd.

- 6. Pallet-wide containers can be loaded on the upper deck.
- 7. Cargo holds can also load dangerous cargo containers.
- 8. Equipped with three deck cranes, make it possible to handle cargo at many ports.
- 9. The accommodation house is located at the stern end. This allows the crane to move smoothly and faster in loading / discharging operation.
- 10. The ship is designed with wider breadth to increase the full container load with maximum container loading capacity of 2,806TEU, the largest class of Chittagong Max.

