KUROTAKISAN MARU III 89,999 DWT Bulk Carrier

Contents

By Builder



By Builder

By Ship Type

KUROTAKISAN MARU III 89,999 DWT Bulk Carrier 27

Oshima Shipbuilding Co., Ltd. delivered KUROTAKISAN MARU III, a 89,999-DWT bulk carrier, to NOVA TRANSPORT INC. in December 2021.

Features

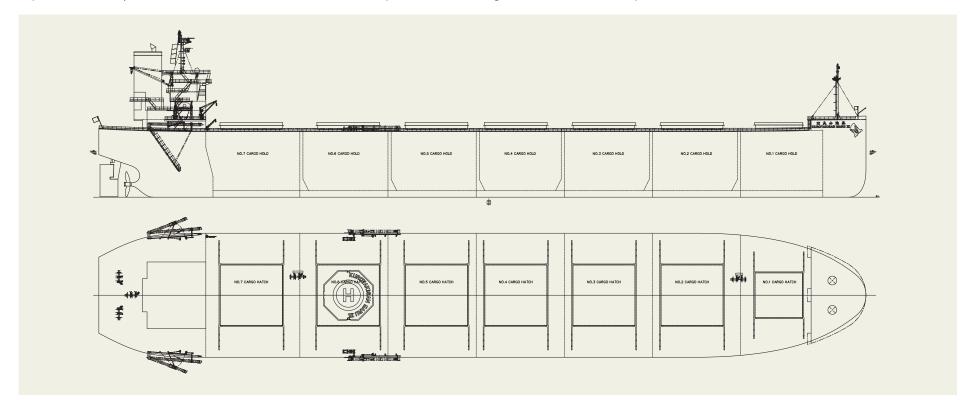
- 1. Double hull structure and Box type cargo hold with topside tanks to improve coal unloading efficiency.
- 2. Elimination of the use of ballast water in cargo holds to reduce the risk of salt, rust, and other contaminants in cargo holds.
- 3. Advanced Flipper Fins & Rudder Fin which improve propulsion efficiency are installed.

| PRINCIPAL PARTICULARS | | Main engineJ-EN | G UE 6UEC60LSE-Eco-A2-EGF |
|-----------------------|-----------|--------------------------|------------------------------|
| Length (o.a.) | 234.96 m | MCR (kw x rpm) | 9,700 kW x 84.0 rpm |
| Breadth (mld.) | 38.00 m | Speed (service) | 14.00 knots |
| Depth (mld.) | 20.05 m | Complement | 25 |
| Draft (mld.) | 13.86 m | Classification | Nk |
| Gross tonnage | 51793 | Loading capacity (grain) | 107,260 m ² |
| Deadweight | 89,999 MT | Builder | Oshima Shipbuilding Co., Ltd |

4. Special bow form, Seaworthy Bow improves speed performance in rough sea conditions as compared to

ordinary bows.

5. SOx scrubber is installed for environmental friendliness.



TAHO EUDAIMONIA 84,460 DWT Bulk Carrier 28

Contents By Builder By Ship Type



By Builder

By Ship Type

TAHO EUDAIMONIA 84,460 DWT Bulk Carrier 28

Oshima Shipbuilding Co., Ltd. delivered TAHO EU-DAIMONIA, a 84,460-DWT bulk carrier, to THC INTERNATIONAL S.A. in Febrary 2022.

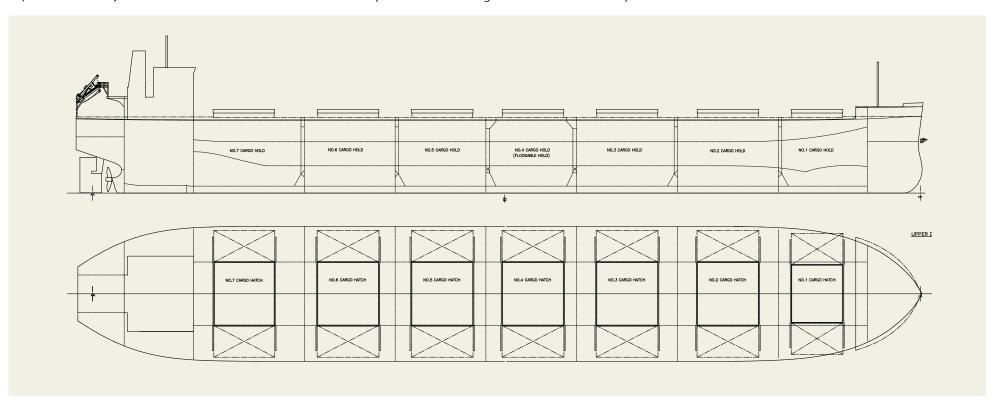
Features

- 1. This vessel has an optimized hull form for carrying a variety of cargoes, such as grain, ore, coal and steel slab or steel billet and large deadweight(84,460 MT) with shallow draft (13.95 m)
- 2. Wide hatch cover improves cargo handling efficiency.
- 3. Advanced Flipper Fins & Rudder Fin which improve propulsion efficiency are installed.

| PRINCIPAL PARTICULARS | | Main engineMITSUI MAN B&W 6S60ME-C8.5-EGRB | |
|-----------------------|-----------|--|-------------------|
| Length (o.a.) | 228.41 m | MCR (kw x rpm)9,12 | 20 kW x 84.0 rpm |
| Breadth (mld.) | 36.50 m | Speed (service) | 14.10 knots |
| Depth (mld.) | 19.89 m | Complement | 25 |
| Draft (mld.) | 13.95 m | Classification | ABS |
| Gross tonnage | 46815 | Loading capacity (grain) | 102,988 m |
| Deadweight | 84,460 MT | BuilderOshima Ship | building Co., Ltd |

4. Special bow form, Seaworthy Bow improves speed performance in rough sea conditions as compared to

ordinary bows.



CEMTEX EXCELLENCE 99,990 DWT Bulk Carrier 29

Contents By Builder By Ship Type



By Builder

By Ship Type

CEMTEX EXCELLENCE 99,990 DWT Bulk Carrier 29

Oshima Shipbuilding Co., Ltd. delivered CEMTEX EXCEL-LENCE, a 99,990-DWT bulk carrier, U-Ming Marine Transport Corporation in March 2022.

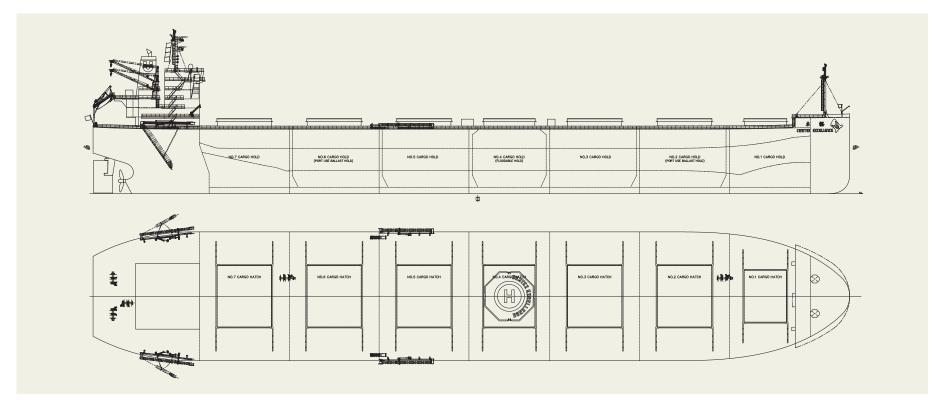
Features

- 1. This vessel has a wider width (40.0 m) and larger cargo hold that allow to carry more cargo than a vessel with the approximately same DWT.
- 2. Wide hatch cover improves cargo handling efficiency.
- 3. Advanced Flipper Fins & Rudder Fin which improve propulsion efficiency are installed.
- 4. Special bow form, Seaworthy Bow improves speed

| Length (o.a.) | 235.00 m | MCR (kw x rpm) | 10,000 kW x 76.0 rpm |
|----------------|-----------------------------|--------------------------|-------------------------|
| Breadth (mld.) | 40.00 m | NOR (kw x rpm) | 7,810 kW x 70.0 rpm |
| Depth (mld.) | 20.00 m | Speed (service) | 14.30 knots |
| Draft (mld.) | 14.415 m | Complement | 25 |
| Gross tonnage | 54244 | Classification | NK/CF |
| Deadweight | 99,990 MT | Loading capacity (grain) | 118,908 m ³ |
| Main engine | MITSUI-MAN B&W 6G60ME-C10.5 | BuilderOshim | a Shipbuilding Co., Ltd |

performance in rough sea conditions as compared to

ordinary bows.



SHOFU MARU 100,422 DWT Bulk Carrier 30

Contents

By Builder



By Builder

By Ship Type

SHOFU MARU 100,422 DWT Bulk Carrier 30

Oshima Shipbuilding Co., Ltd. delivered SHOFU MARU, a 100,422-DWT bulk carrier, to Mitsui O.S.K. Lines, Ltd. in October 2022.

Features

- 1. This is the 1st delivered vessel with a hard sail, so-called "Wind Challenger," which is wind power propulsion system.
- 2. The hard sail which consist of three FRP (Fiber Reinforced Plastics) sails and one steel sail is extended and reefed automatically in response to the wind conditions and ship motion.
- 3. The height of the sail from the main deck is about 53m with all sails fully extended and is about 20m with all sails reefed, and the direction of the sail can rotate 180 degrees.

PRINCIPAL PARTICULARS

| Length (o.a.) | 235.00 m |
|----------------|------------|
| Breadth (mld.) | 43.00 m |
| Depth (mld.) | 20.05 m |
| Draft (mld.) | 13.88 m |
| Gross tonnage | 58209 |
| Deadweight | 100,422 MT |
| | |

- Main engine
 MITSUI MAN B&W 6560ME-C10.5-EGRBP

 MCR (kw x rpm)
 9,180 kW × 84.0 rpm

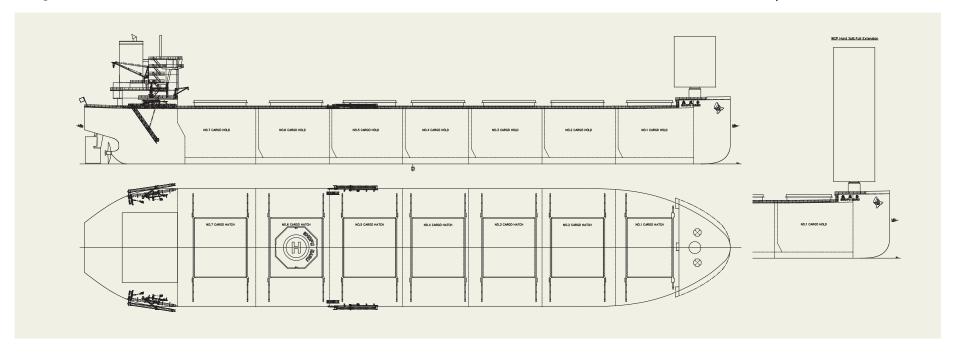
 Speed (service)
 14.30 knots

 Complement
 25

 Classification
 NK

 Loading capacity (grain)
 115,304 m³

 Builder
 Oshima Shipbuilding Co., Ltd.
- 4. The width of the sail is about 15m and complies with SOLAS regulation for visibility from wheel house.
- 5. By slewing in an appropriate direction, a large amount of wind forces is converted into the propulsive force of the ship and reduce fuel consumption.
- 6. Advanced Flipper Fins & Rudder Fin which improve propulsion efficiency are installed.
- 7. Special bow form, Seaworthy Bow improves speed performance in rough sea conditions as compared to ordinary bows.



CLIMATE RESPECT 87,290 DWT Bulk Carrier

Contents

By Builder



By Builder

By Ship Type

CLIMATE RESPECT 87,290 DWT Bulk Carrier 31

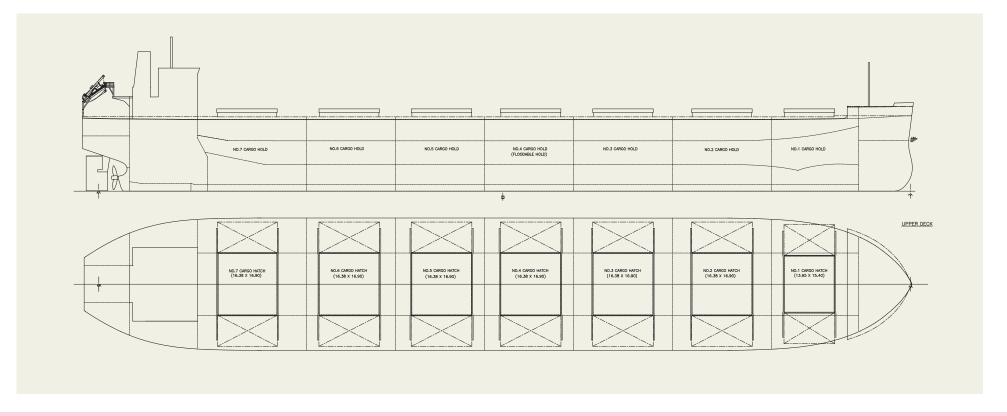
Oshima Shipbuilding Co., Ltd. delivered CLIMATE RESPECT, a 87,290-DWT bulk carrier, to LOFOU SHIPPING CORPORATION in July 2022.

Features

- 1. This vessel has an optimized hull form for carrying grain, ore, and coal, and large deadweight (87,290 MT) with shallow draft (14.322m)
- 2. Wide hatch cover improves cargo handling efficiency.
- 3. Advanced Flipper Fins & Rudder Fin which improve propulsion efficiency are installed.
- 4. Special bow form, Seaworthy Bow improves speed

| PRINCIPAL PARTICULARS | | Main engineMITSUI MAN B&W 5S60ME-C10.5-EGRB | |
|-----------------------|-----------|---|--------------------------|
| Length (o.a.) | 228.41 m | MCR (kw x rpm) | 8,180 kW x 84.0 rpm |
| Breadth (mld.) | 36.50 m | Speed (service) | 14.30 knots |
| Depth (mld.) | 20.39 m | Complement | 25 |
| Draft (mld.) | 14.322 m | Classification | Nł |
| Gross tonnage | 48233 | Loading capacity (grain) | 106,222 m |
| Deadweight | 87,290 MT | BuilderOshin | na Shipbuilding Co., Ltd |

performance in rough sea conditions as compared to ordinary bows.



SHOHO MARU III 89,992 DWT Bulk Carrier

Contents By Builder By Ship Type



By Builder

By Ship Type

SHOHO MARU III 89,992 DWT Bulk Carrier 32

Oshima Shipbuilding Co., Ltd. delivered SHOHO MARU III, a 89,992-DWT bulk carrier, to OREGANO LINE S.A. in August 2023.

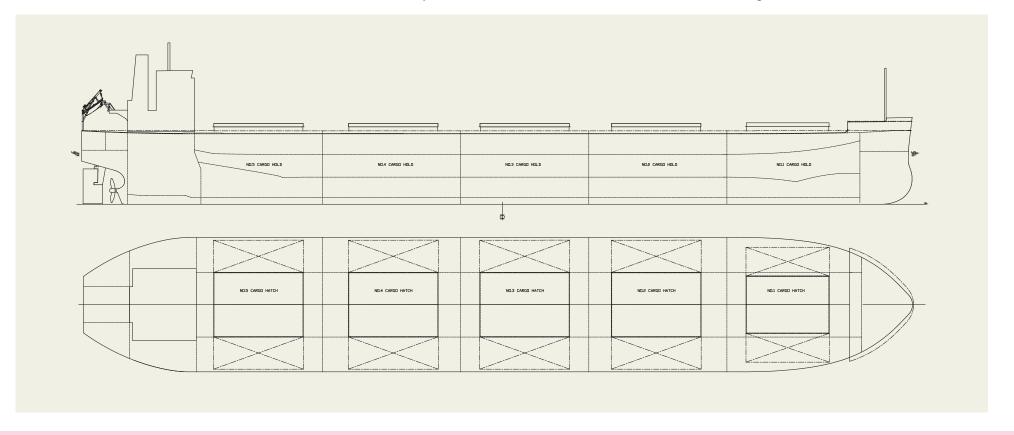
Features

- 1. This vessel has an optimized hull form for carrying coal, and large deadweight(89,992 MT) with shallow draft (13.839m)
- 2. Advanced Flipper Fins & Rudder Fin which improve propulsion efficiency are installed.
- 3. Special bow form, Seaworthy Bow improves speed

| PRINCIPAL PARTICULARS | Deadweight | | 89,992 MT |
|-----------------------|----------------------|----------------|------------------------|
| Length (o.a.)234.98 | 3 m Main engine | MITSUI MAN B&W | 6S60ME-C10.5-EGRBP |
| Breadth (mld.)38.00 | 0 m MCR (kw x rpm) | | 9,000 kW x 84.0 rpm |
| Depth (mld.)19.9 | 1 m Speed (service) | | 14.30 knots |
| Draft (mld.)13.839 | 9 m Loading capacity | (grain) | 110,529 m ² |
| Gross tonnage510 | 027 Builder | Oshima | Shipbuilding Co., Ltd. |

performance in rough sea conditions as compared to ordinary bows.

4. Class NK's notation of "EA (Environmental Awareness)" is assigned.



KAGURA 99,990 DWT Bulk Carrier 33

Contents

By Builder



By Builder

By Ship Type

KAGURA 99,990 DWT Bulk Carrier 33

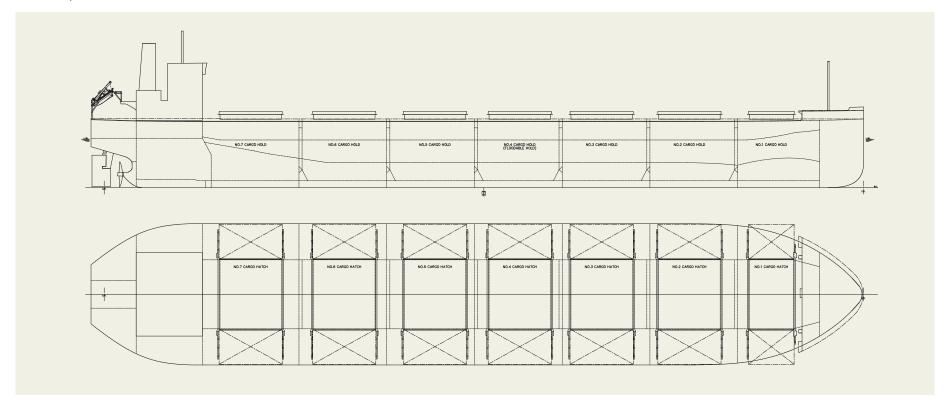
Oshima Shipbuilding Co., Ltd. delivered KAGURA, a 99,990-DWT bulk carrier, to ERICA NAVIGATION S.A. in March 2023.

Features

- 1. This vessel has an optimized hull form for carrying grain, ore, and coal, and large deadweight (99,990 MT)
- 2. Wide hatch cover improves cargo handling efficiency.
- 3. Advanced Flipper Fins & Rudder Fin which improve propulsion efficiency are installed.
- 4. Special bow form, Seaworthy Bow improves speed performance in rough sea conditions as compared to ordinary bows.

| PRINCIPAL PARTICULARS | | Main engine MITSUI MAN B&W 6S60ME-C10.5-EGRBF |
|-----------------------|-------|---|
| Length (o.a.)234.9 | 996 m | MCR (kw x rpm)10,000 kW x 85.0 rpm |
| Breadth (mld.)43. | .00 m | Speed (service)14.30 knot |
| Depth (mld.)20. | .05 m | Complement25 |
| Draft (mld.)13.8 | 329 m | ClassificationNł |
| Gross tonnage5 | 7646 | Loading capacity (grain)123,592 m |
| Deadweight99,99 | 90 MT | BuilderOshima Shipbuilding Co., Ltd |

5. SOx scrubber is installed for environmental friendliness.



SERENITY DIVA 87,396 DWT Bulk Carrier 34

Contents

By Builder



By Builder

By Ship Type

SERENITY DIVA 87,396 DWT Bulk Carrier 34

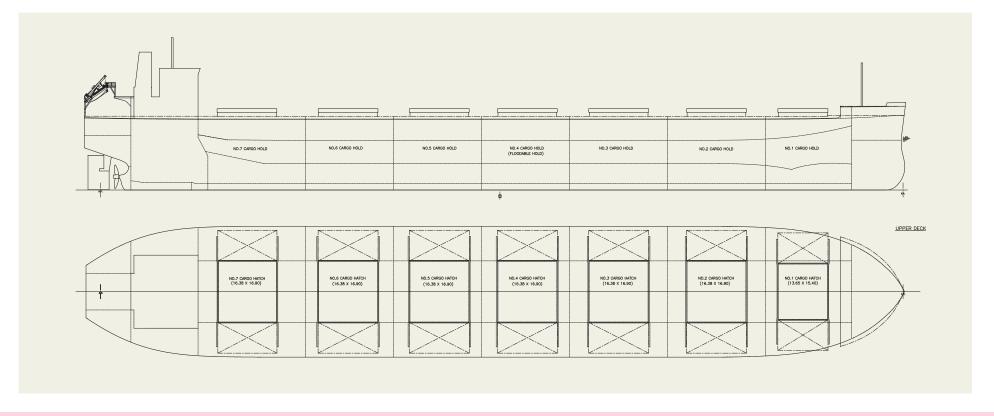
Oshima Shipbuilding Co., Ltd. delivered SERENITY DIVA, a 87,396-DWT bulk carrier, to LUCRETIA SHIPPING, S.A. in June 2023.

Features

- 1. This vessel has an optimized hull form for carrying grain, ore, coal, and cement, and large deadweight(87,396 MT) with shallow draft (14.322m)
- 2. Wide hatch cover improves cargo handling efficiency.
- 3. Advanced Flipper Fins & Rudder Fin which improve propulsion efficiency are installed.
- 4. Special bow form, Seaworthy Bow improves speed

| PRINCIPAL PARTICULARS | | Main engineMITSUI MAN B&W 5S60ME-C10.5-EGRB | |
|-----------------------|-----------|---|-----------------------|
| Length (o.a.) | 228.41 m | MCR (kw x rpm) | 8,180 kW x 84.0 rpm |
| Breadth (mld.) | 36.50 m | Speed (service) | 14.30 knots |
| Depth (mld.) | 20.39 m | Complement | 25 |
| Draft (mld.) | 14.322 m | Classification | Nk |
| Gross tonnage | 48105 | Loading capacity (grain) | 106,222 m |
| Deadweight | 87,396 MT | BuilderOshima | Shipbuilding Co., Ltd |

performance in rough sea conditions as compared to ordinary bows.



Bulk Carriers/Panamax LATEST SHIPS BUILT IN JAPAN

WISDOM DIVA 82,216 DWT Bulk Carrier 36

Contents

By Builder



Bulk Carriers/Panamax

LATEST SHIPS BUILT IN JAPAN

WISDOM DIVA 82,216 DWT Bulk Carrier 36

Contents By Builder By Ship Type

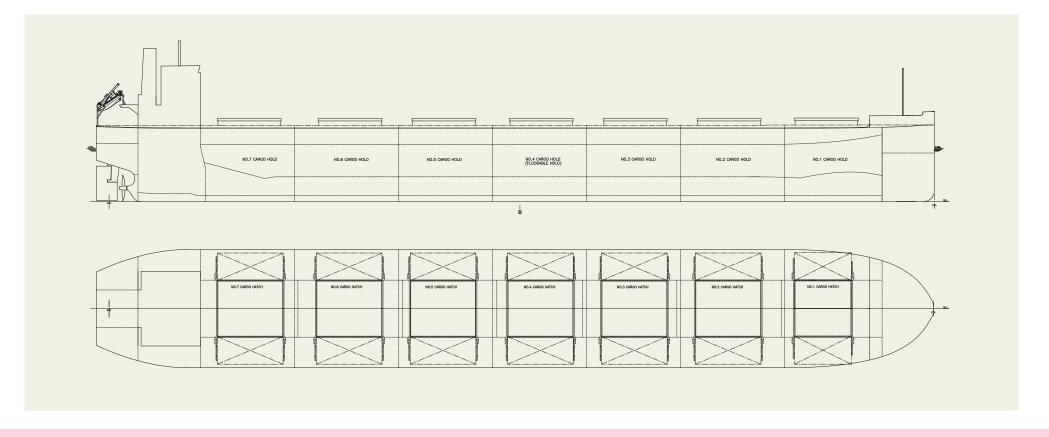
Oshima Shipbuilding Co., Ltd. delivered WISDOM DIVA, a 82,216-DWT bulk carrier, to Minsheng Zhijie (Tianjin) Shipping Leasing Company Limited in May 2023.

Features

- 1. This vessel has largest deadweight of Panamax bulkers in the world with shallow draft and Wide hatch cover improves cargo handling efficiency.
- 2. Advanced Flipper Fins & Rudder Fin which improve propulsion efficiency are installed. Special bow form, Seaworthy Bow improves speed performance in rough

| PRINCIPAL PARTICULARS | | Main engineMITSUI MAN B&W 5S60ME-C10.5-EGRBI | |
|-----------------------|-----------|--|--|
| Length (o.a.) | 228.995 m | MCR (kw x rpm) | |
| Breadth (mld.) | 32.26 m | Speed (service)14.30 knc | |
| Depth (mld.) | 19.98 m | Complement | |
| Draft (mld.) | 14.480 m | Classification | |
| Gross tonnage | 43366 | HLoading capacity (grain)97,416 r | |
| Deadweight | 82,216 MT | BuilderOshima Shipbuilding Co., Lt | |

sea conditions as compared to ordinary bows.



RICH AZURE 64,452 DWT Bulk Carrier 42

Contents

By Builder



By Builder

By Ship Type

RICH AZURE 64,452 DWT Bulk Carrier 42

Oshima Shipbuilding Co., Ltd. delivered RICH AZURE, a 64,452-DWT bulk carrier, to Inter Mers Shipping Pte. Ltd. in February 2023.

Features

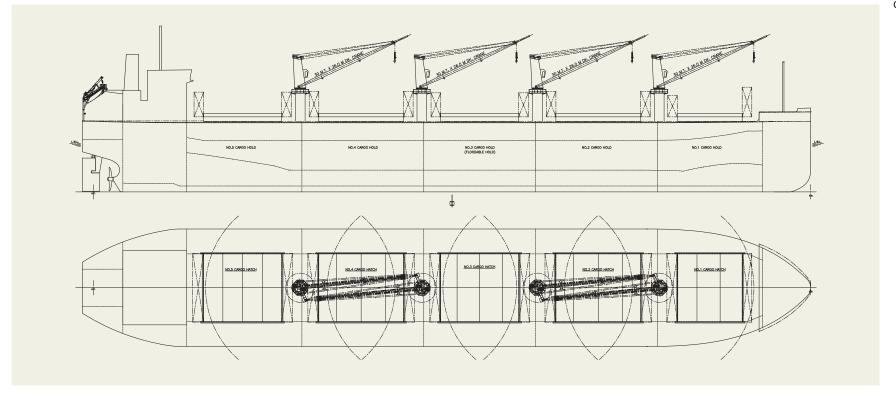
- 1. This vessel has an optimized hull form for carrying grain, ore, coal, hot coil, cement and steel ingot /slabs/ billet, and large deadweight (64,452MT) with shallow draft (13.518 m).
- 2. Wide opening folding type hatch cover and four sets of high performance Jib cranes (30MT) are installed for efficient cargo handling.

| PRINCIPAL PARTICULARS | | Main engineMITSUI MAN B&W 6S50ME-C9.7-EGRBF | | |
|-----------------------|-----------|---|----------------------------|--|
| Length (o.a.) | 199.95 m | MCR (kw x rpm) | 7,080 kW x 91.0 rpm | |
| Breadth (mld.) | 32.26 m | Speed (service) | 14.50 knots | |
| Depth (mld.) | 19.28 m | Complement | 25 | |
| Draft (mld.) | 13.518 m | Classification | Nł | |
| Gross tonnage | 36128 | Loading capacity (grain) | 81,204 m | |
| Deadweight | 64,452 MT | BuilderOs | hima Shipbuilding Co., Ltd | |

3. Advanced Flipper Fins & Rudder Fin which improve propulsion efficiency are installed.

4. Special bow form, Seaworthy Bow improves speed performance in rough sea conditions as compared to

ordinary bows.



By Builder

By Ship Type

BOHOL ISLAND 39,260 DWT Bulk Carrier 49



By Builder

By Ship Type

BOHOL ISLAND 39,260 DWT Bulk Carrier 49

Oshima Shipbuilding Co., Ltd. delivered BOHOL ISLAND, a 39,260-DWT bulk carrier, to LEYTE NAVIGATION, S.A. in April 2022.

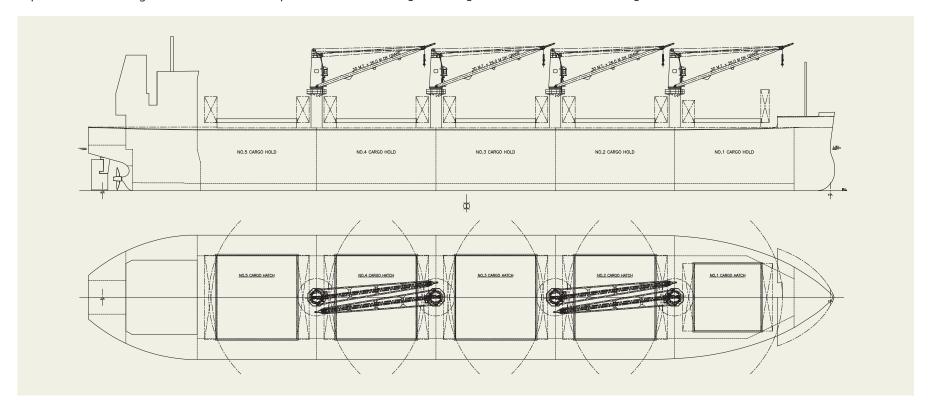
Features

- 1. For unitized cargo and easy cargo handling, this vessel has box shaped cargo holds.
- 2. Wide hatch cover improves cargo handling efficiency.
- 3. Advanced Flipper Fins & Rudder Fin which improve propulsion efficiency are installed.
- 4. Special bow form, Seaworthy Bow improves speed performance in rough sea conditions as compared to

| PRINCIPAL PARTICULARS | | Main engineJ-ENG 6UEC42LSH-Eco-D3-E0 | |
|-----------------------|-----------|--------------------------------------|------------------------------|
| Length (o.a.) | 179.99 m | MCR (kw x rpm) | 5,400 kW x 106.0rpm |
| Breadth (mld.) | 30.00 m | Speed (service) | 14.00 knots |
| Depth (mld.) | 15.33 m | Complement | 25 |
| Draft (mld.) | 10.826 m | Classification | Nk |
| Gross tonnage | 23602 | Loading capacity (grain) | 49,237 m |
| Deadweight | 39,260 MT | Builder | Oshima Shipbuilding Co., Ltd |

ordinary bows.

5. Dangerous cargoes also can be loaded in cargo hold.



FEDERAL PASSION 42,692 DWT Bulk Carrier 50

Contents By Builder By Ship Type



By Builder

By Ship Type

FEDERAL PASSION 42,692 DWT Bulk Carrier 50

Oshima Shipbuilding Co., Ltd. delivered FEDERAL PASSION, a 42,692-DWT bulk carrier, to MK CENTENNIAL MARITIME B.V. in June 2022.

Features

- 1. This vessel has an optimized hull form for carrying a variety of cargoes, such as grain, ore, cement, hot coil, nickel ore, coal and dangerous cargoes and large deadweight(42,692MT) with shallow draft (10.516m)
- 2. This vessel has a lot of cargo to be targeted and accommodates various loading patterns.
- 3. Wide opening folding type hatch cover and four sets of high performance Jib cranes (30MT) are installed for

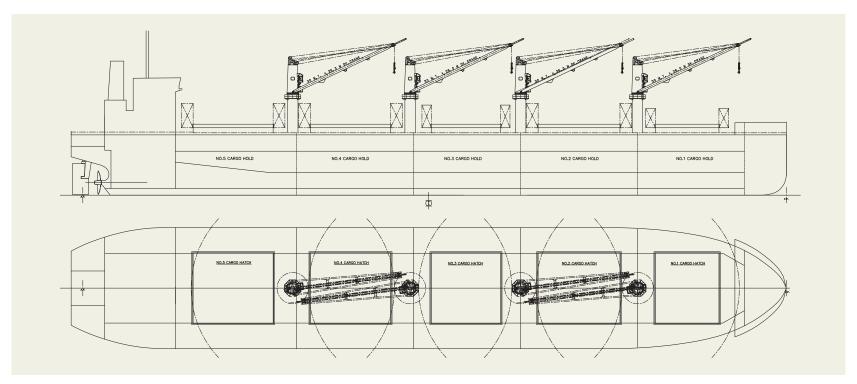
| P | RI | NCI | PAL | PAR1 | ricu | LARS |
|---|----|-----|-----|------|------|------|
| | | | | | | |

| LLength (o.a.) | 182.998 m |
|----------------|-----------|
| Breadth (mld.) | 32.26 m |
| Depth (mld.) | 15.00 m |
| Draft (mld.) | 10.516 m |
| Gross tonnage | 25831 |
| Deadweight | 42,692 MT |

| Main engine | MITSUI MAN B&W 5S50ME-C9.7-EGRBP |
|---------------------------|----------------------------------|
| MCR (kw x rpm) | 5,720 kW x 100.0 rpm |
| Speed (service) | 14.00 knots |
| Complement | 25 |
| Classification | NK |
| Loading capacity (grain). | 55,131 m³ |
| Builder | Oshima Shipbuilding Co., Ltd. |

efficient cargo handling.

- 4. Advanced Flipper Fins & Rudder Fin which improve propulsion efficiency are installed.
- 5. Special bow form, Seaworthy Bow improves speed performance in rough sea conditions as compared to ordinary bows.



LILY GLORY 58,351 DWT Bulk Carrier 51

Contents

By Builder



By Builder

By Ship Type

LILY GLORY 58,351 DWT Bulk Carrier 51

Oshima Shipbuilding Co., Ltd. delivered LILY GLORY, a 58,351–DWT bulk carrier, to LEEWARD NAVIGATION , S.A. in January 2023.

Features

- 1. This vessel has an optimized hull form for carrying grain, ore, coal, hot coil, steel pipe, cement and dangerous cargoes, and large deadweight (58,351 MT) with shallow draft (13.048 m).
- 2. Due to wide opening folding type hatch cover and without top side tank, it is possible to prevent the cargo from being damaged due to handling by loading directly with crane.

| PRINCIPAL PARTICULARS | Main engineJ-ENG 6UEC50LSH-Ed |
|-----------------------|-------------------------------|
| Length (o.a.) | MCR (kw x rpm)6,560 kW x |
| Breadth (mld.)32.26 m | Speed (service)1 |
| Depth (mld.)18.54 m | Complement |

..33110

..... 13.048 m

...58,351 MT

- 3. Advanced Flipper Fins & Rudder Fin which improve propulsion efficiency are installed.
- 4. Special bow form, Seaworthy Bow improves speed

 Main engine
 J-ENG 6UEC50LSH-Eco-C3-EGR

 MCR (kw x rpm)
 6,560 kW x 95.0 rpm

 Speed (service)
 14.30 knots

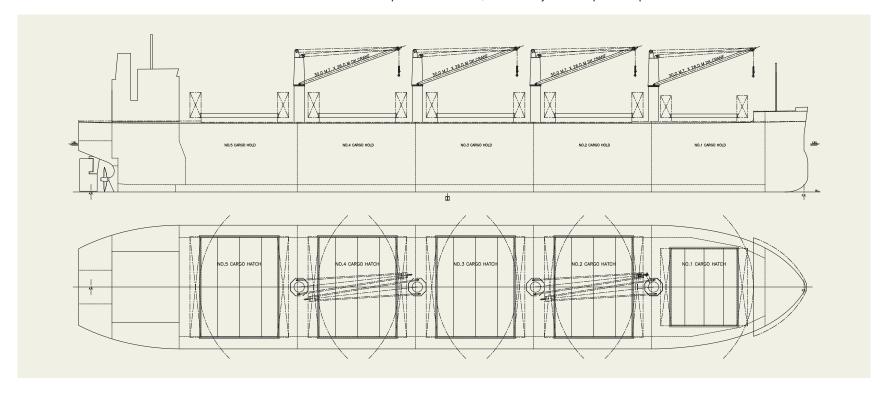
 Complement
 24

 Classification
 NK

 Loading capacity grain)
 66,937 m³

 Builder
 Oshima Shipbuilding Co., Ltd.

performance in rough sea conditions as compared to ordinary bows.



Draft (mld.)...

Deadweight....

Gross tonnage.....

FEDERAL HAMILTON 34,763 DWT Bulk Carrier 52

Contents

By Builder



By Builder

By Ship Type

FEDERAL HAMILTON 34,763 DWT Bulk Carrier 52

Oshima Shipbuilding Co., Ltd. delivered FEDERAL HAMILTON, a 34,763-DWT bulk carrier, to FEDERAL TRIDENT LTD., in August 2023.

Features

- 1. The vessel is an ICE 1C class Laker
- 2. This vessel has been designed with a large deadweight and shallow draft
- 3. For unitized cargo and easy cargo handling, this vessel has box shaped cargo hold.
- 4. Four sets of high performance jib cranes (35MT) are installed for efficient cargo handling.
- 5. Bow thruster and High-lift rudder of mariner type (with

| PRINCIPAL PARTICULARS | וחח | NICIDA | | FI | ADC |
|-----------------------|-----|---------|-------|----|--------------------|
| | PKI | NIC IPA | IPARI | | AK |
| | | | | | $\boldsymbol{\pi}$ |

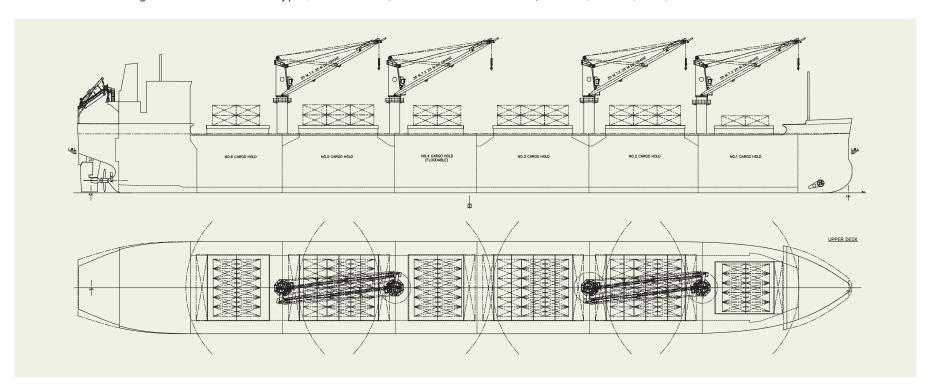
| Length (o.a.) | 199.98 m |
|----------------|-----------|
| Breadth (mld.) | 23.762 m |
| Depth (mld.) | 14.85 m |
| Draft (mld.) | 10.861 m |
| Gross tonnage | 21043 |
| Deadweight | 34,763 MT |
| | |

| Main engine | MITSUI-MAN B&W 5S50ME-C9.7-HPSCR |
|---------------------------|----------------------------------|
| MCR (kw x rpm) | 6,050 kW x 97.0 rpm |
| Speed (service) | 14.15 knots |
| Complement | 25 |
| Classification | DNV |
| Loading capacity (grain). | 41,607 m ³ |
| Builder | Oshima Shipbuilding Co., Ltd. |
| | |

top plate fin and bottom fin) are adopted to get improved maneuverability in harbor.

6. Special bow form Seaworthy Bow improves speed per-

formance in rough sea conditions compared ordinary bows.



HACHINOHE MARU 60,288 DWT Wood Chip Carrier 59

Contents

By Builder



By Builder

By Ship Type

HACHINOHE MARU 60,288 DWT Wood Chip Carrier 59

Oshima Shipbuilding Co., Ltd. delivered HACHINOHE MARU, a 4,326,650 cub. ft Wood Chip carrier, to RACCOON SHIPHOLDING S.A. in December 2021.

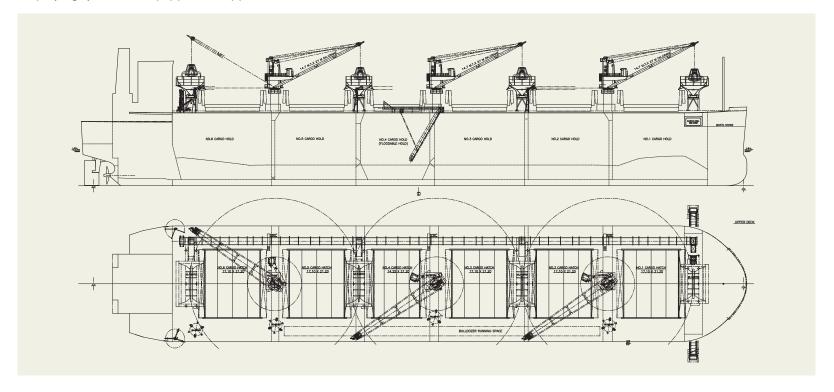
Features

- 1. Specially designed vessel to carry wood chips.
- 2. This vessel has large cargo hold for wooden chip loading and its self-unloading system with three electric deck cranes, four hoppers and conveyor systems achieves, four hoppers and conveyor systems achieves high unloading efficiency.
- 3. To prevent chip scattering, anti-scattering nets and water spraying system are equipped at hopper.

| PRINCIPAL PARTICULARS | | Main engine | J-ENG UE 6UEC50LSH-ECO-C2 |
|-----------------------|-----------|--------------------------|------------------------------|
| Length (o.a.) | 209.96 m | MCR (kw x rpm) | 7,430 kW x 92.0 rpm |
| Breadth (mld.) | 37.00 m | Speed (service) | 14.20 knot |
| Depth (mld.) | 22.80 m | Complement | 25 |
| Draft (mld.) | 11.50 m | Classification | Nł |
| Gross tonnage | 49887 | Loading capacity (grain) | 122,517 m |
| Deadweight | 60,288 MT | Builder | Oshima Shipbuilding Co., Ltd |

- 4. Advanced Flipper Fins & Rudder Fin which improve propulsion efficiency are installed.
- 5. Special bow form, Seaworthy Bow improves speed

performance in rough sea conditions as compared to ordinary bows.



DYNA FLORESTA 52,804 DWT Wood Chip Carrier 60

Contents

By Builder



By Builder

By Ship Type

DYNA FLORESTA 52,804 DWT Wood Chip Carrier 60

Oshima Shipbuilding Co., Ltd. delivered DYNA FLORESTA, a 3,824,652 cub. ft Wood Chip carrier, to STEVENS LINE CO.,LTD. in September 2022.

Features

- 1. Specially designed vessel to carry wood chips.
- 2. This vessel has large cargo hold for wooden chip loading and its self-unloading system with three electric deck cranes, four hoppers and conveyor systems achieves, four hoppers and conveyor systems achieves high unloading efficiency.
- 3. To prevent chip scattering, anti-scattering nets and water spraying system are equipped at hopper.

| PRINCIPAL PARTICULARS | | Main engineMITS | UI MAN B&W 6S50ME-C9.7-EGRBF |
|-----------------------|-----------|--------------------------|------------------------------|
| Length (o.a.) | 209.99 m | MCR (kw x rpm) | 7,260 kW x 99.0 rpm |
| Breadth (mld.) | 32.26 m | Speed (service) | 14.20 knots |
| Depth (mld.) | 22.98 m | Complement | 25 |
| Draft (mld.) | 11.50 m | Classification | Nł |
| Gross tonnage | 43917 | Loading capacity (grain) | 108,302 m |
| Deadweight | 52,804 MT | Builder | Oshima Shipbuilding Co., Ltd |

- 4. Advanced Flipper Fins & Rudder Fin which improve propulsion efficiency are installed.
- 5. Special bow form, Seaworthy Bow improves speed
- performance in rough sea conditions as compared to ordinary bows.
- 6. SOx scrubber is installed for environmental friendliness.

