



ARTIFEX GLOBAL TEKNIK

Naval Architect and Marine Consultant



*This where
everything begin...*

Introduction

Established on January 11, 2022, PT Artifex Global Teknik was founded by **Marta Dinata Tandun**. As a newly established ship design company, it has swiftly emerged as a pillar in Indonesia's maritime industry.

Under the leadership of its visionary founders, the company has leveraged its extensive expertise to strengthen the foundation of marine navigation, delivering innovative solutions that support the nation's growing maritime needs.

Vision & Mission



› Vision

“To become a leading partner in ship design, construction, management, and consulting in Indonesia.”

› Mission

“Become home for maritime professionals in Indonesia and to be a trusted partner for our clients.”

Company Overview



40+

Projects



40+

Experienced
Engineer

25+

Partners &
Affiliates

2022

***A Powerful
Beginning***

We started our company with a small team and office based on the principles of honesty, integrity, and service.

2023

***Recruiting
Experienced
Team***

After establishing trust with customers & forging partnerships with other companies, a group of skilled individuals was brought on board, playing a vital role in the company's progress and achievements.

PRESENT

***Trusted
Partner in
Ship Design***

Provides a wide range of design and engineering services. Maintains strong partnerships with various stakeholders, including the government & classification societies.

Company Virtues

INTEGRITY

Integrity involves honesty, transparency, and fairness, fostering trust within teams, with clients, and partners, creating a respectful environment to achieve goals honorably.

TRUST

Trust is vital in relationships, promoting honesty and reliability to create a safe and supportive environment for growth and strong connections based on respect and open-mindedness.

EXCELLENCE

Commitment to excellence drives us to surpass standards, innovate, and deliver exceptional quality through attention to detail, continuous improvement, and a passion for achieving the best results, fostering growth and evolution.



Our Team



MARTA DINATA TANDUN
President Director



A NAWAWI
Operation Director



VERRY A.
Head of Design & Engineering



DEKO RIFQI P.
Head of HCGA



RICKY A.S
Head of Sales & Marketing

Our Services



Ship Design

Shipbuilding Supervision

Shipyard Development

Consultancy & Study



Why You Should Choose Us?

Young and passionate marine business and expert engineer

Innovative and Cost Effective Design

Wide and boundless range background people with same vision to build our marine world.

Strong partnerships with various stakeholders

We Provide Solutions

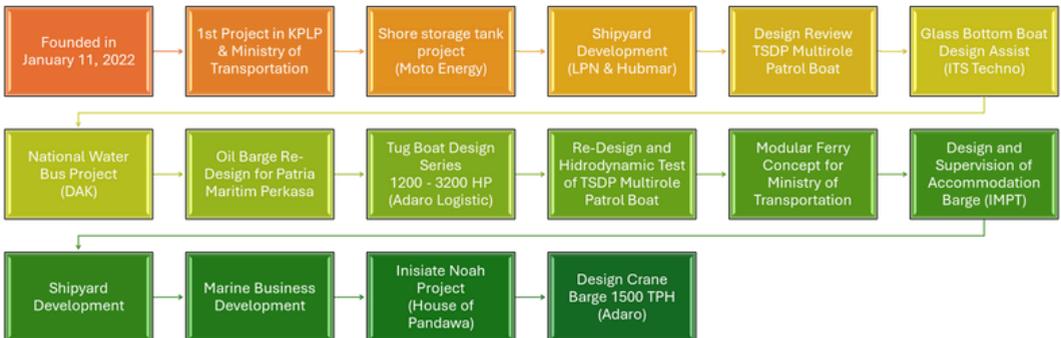
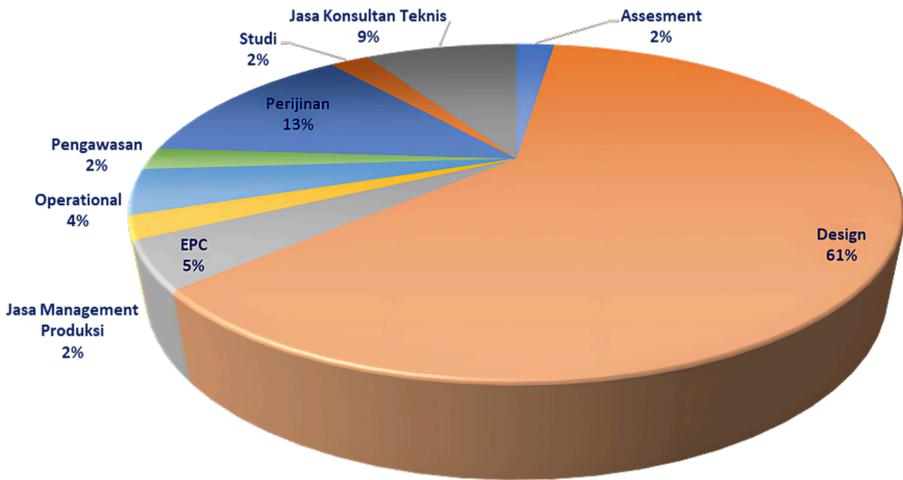


Artifex Global Teknik maintains strong partnerships with various stakeholders, including the government in the fields of Land and Sea Transportation and classification societies. These partnerships support a wide range of maritime projects at Artifex Global Teknik, spanning from the design and management of small ships, ferries, to conversion projects.

The primary activities at Artifex Global Teknik involves innovative design, project management, consulting, and supervision of production and operational processes. This ensures that every project undertaken by Artifex Global Teknik meets high standards of reliability and efficiency.

Artifex Global Teknik collaborates effectively with suppliers, shipyards, and technical universities. Strengthening these partnerships through strategic alliances and continuous engagement could enhance operational efficiency and resource utilization.

Project Overview & Business Roadmap



An aerial photograph of a large industrial construction site. In the foreground, several large, rust-colored metal structures are being assembled on a concrete base. A tall lattice crane stands in the middle ground. The background shows a vast industrial complex with various buildings, pipes, and cranes under a clear sky. A large, semi-transparent blue graphic element, resembling a stylized letter 'A' or a similar shape, is overlaid on the right side of the image.

OUR EXPERIENCES



- First FSO ever design by Indonesian designer (FSO Lentera Bangsa)
- Design, Build, and Operate Ro-Ro Ferry KMP Rose
- Design and Build 32 Work Boat for Pertamina Transkontinental with in 2 Years

- ### Government Project
- Design and Building Supervising KPLP Patrol Boat
 - Design and Building Supervising National Waterbus Project
 - Docking Plan and Supervising Navigation Ship



- ### Re-design & Hydrodynamic Test
- Re-design and Testing of Hydrodynamic of Multirole Patrol Boat of TSDP
 - Ministry of Land and Lake Transportation

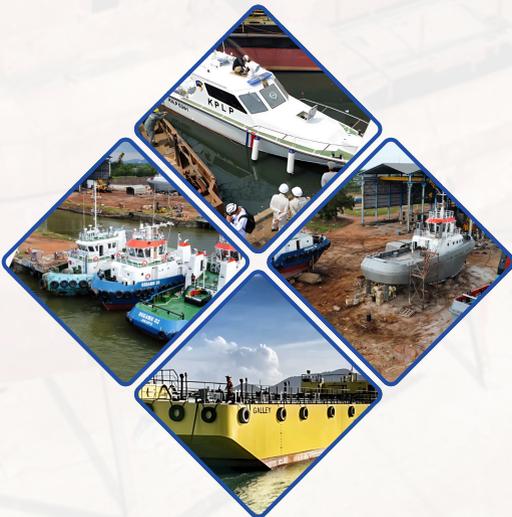


Adaro Group

- Design and Building Supervising of 24 unit of Tug Boat in Various Size
- 1200 HP, 2200 HP, 2400 HP, 2800 HP, 3200 HP
- Design and Building Supervision of 200 Pax Accommodation Barge Indonesia Multi-Purpose Terminal (IMPT)

Shore Fuel Storage & Shipyard Development

- Design and FS of Fuel Storage of Moto Energy
- Design and FS of Fuel Storage of Klanis Site of Adaro Energy
- Shipyard Development of LPN Shipyard, Barru, Sulawesi Selatan



Various Ship Design

- Redesign KPLP Patrol Boat for Bayu Bahari Shipyard
- Tug Boat Series of Pahala Shipyard
- Design and FS of Tug and Barge for PT. Pelni
- Design Upgrade for 2000 KL Oil Barge for PMP, Batam



PRODUCT GUIDE



**TUGBOAT
SERIES**

TUG BOAT 2073

Bollard Pull 13 T



GENERAL

Hull Material	Mild Steel Grade A
Superstructure material	Mild Steel Grade A
Basic Function	Tugboat
Classification	BKI Approved Bureau Veritas Approved I ✕ HULL • MACH Tug Boat, Tropical Zone

DIMENSIONS

Length overall	20.00 m
Beam overall	7.30 m
Depth at sides	3.10 m
Draught Max	7.40 m
Crew	12 Person

TANK CAPACITY

Fuel Oil	50 m ³
Fuel Oil Daily	2 x 0.9 m ³
Fresh Water	15 m ³
Ballast Water	24 m ³

PERFORMANCE

Speed	Up to 10.0 Knot
Bollard Pull Ahead	13.0 Ton

PROPULSION SYSTEM

Main Engine	2 x Yanmar 6AYM-WST
Total Power	Up to 2 x 659 HP
Propulsion System	FPP with Kort Nozzle

ELECTRICAL EQUIPMENT

Generator sets	2 x 60 kVA Marlin Yanmar
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ACCOMODATION

Main Deck	2 Person
Below Main Deck	10 Person

NAUTICAL AND COMMUNICATION EQUIPMENT

Searchlight	1x
Radar	2x
Electronic chart	1x Non-ECDIS
GPS	1x
AIS	1x
Compass	1x Magnetic, 1x GPS
Echo Sounder	1x
Navtex	1x
Weather Fax	1x

TOWING EQUIPMENT

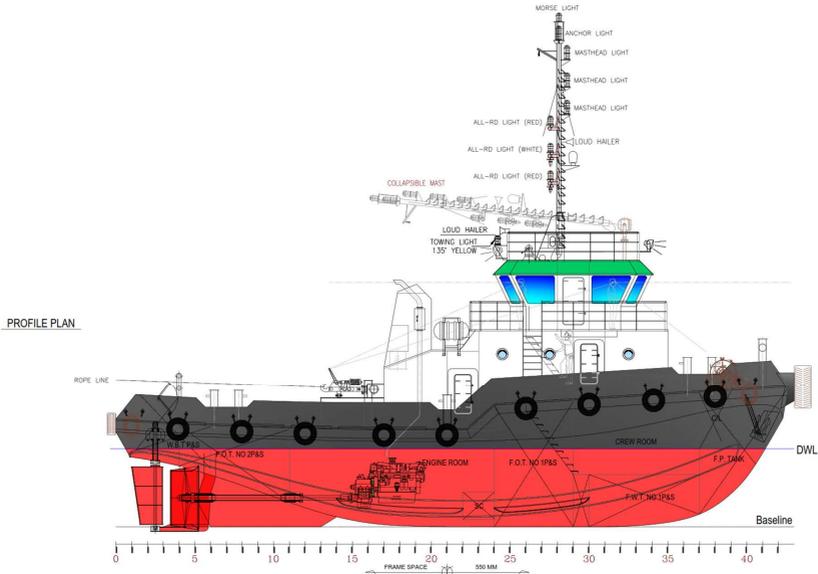
Towing Hook	20 Ton Cap., Manual Release
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OTHER DETAILS

- Diamond Shape Wheelhouse
- Good Visibility & Maneuvering
- Collapsible Masthead (7.00 m Air Draft)
- All Accommodation Area Above Waterlines
- Easy Maintenance with Engine Casing on Main Deck

TUG BOAT 2373

Bollard Pull 13 T



GENERAL

Hull Material	Mild Steel Grade A
Superstructure material	Mild Steel Grade A
Basic Function	Tugboat
Classification	BKI Approved Bureau Veritas Approved I HULL • MACH Tug Boat, Tropical Zone

DIMENSIONS

Length overall	23.50 m
Beam overall	7.32 m
Depth at sides	3.30 m
Draught Max	2.70 m
Crew	8 Person

TANK CAPACITY

Fuel Oil	118 m ³
Fuel Oil Daily	3 m ³
Fresh Water	20 m ³
Ballast Water	28 m ³

PERFORMANCE

Speed	Up to	10.0 Knot
Bollard Pull Ahead		13.0 Ton

PROPULSION SYSTEM

Main Engine	2 x 659 HP @1900 RPM
Gear Box Ratio	7.95 : 1
Propulsion System	FPP with Kort Nozzle

ELECTRICAL EQUIPMENT

Generator sets	2 x 30 kW, 220 V/380 V/50 Hz
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ACCOMODATION

Below Main Deck	4 Person
Main Deck	4 Person

NAUTICAL AND COMMUNICATION EQUIPMENT

Searchlight	1x
Radar	2x
Electronic chart	1x Non-ECDIS
GPS	1x
AIS	1x
Compass	1x Magnetic, 1x GPS
Echo Sounder	1x
Navtex	1x
Weather Fax	1x

TOWING EQUIPMENT

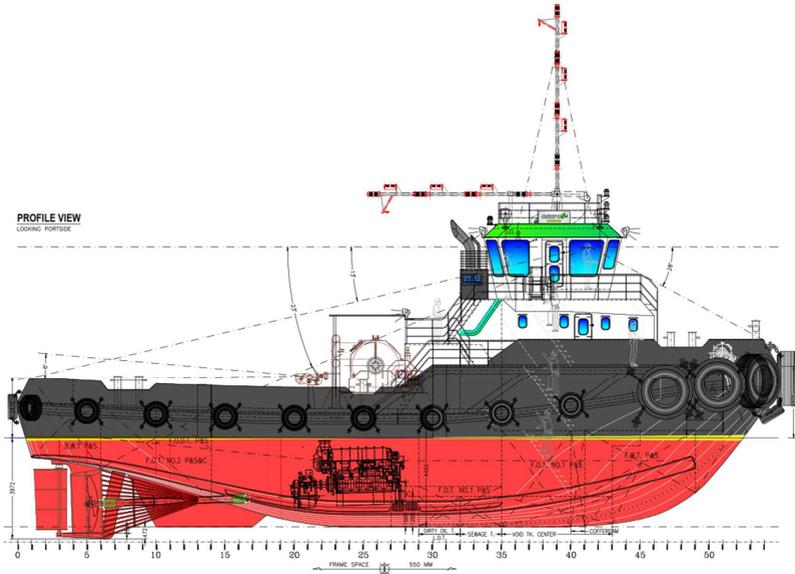
Towing Hook	20 Ton Cap., Manual Release
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OTHER DETAILS

- Diamond Shape Wheelhouse
- Good Visibility & Maneuvering
- Collapsible Masthead (9.00 m Air Draft)

TUG BOAT 2486

Bollard Pull 30 T



GENERAL

Hull Material	Mild Steel Grade A
Superstructure material	Mild Steel Grade A
Basic Function	Tugboat
Classification	BKI Approved Bureau Veritas Approved I ✕ HULL • MACH Tug Boat, Tropical Zone

DIMENSIONS

Length overall	24.23 m
Beam overall	8.60 m
Depth at sides	3.80 m
Draught Max	2.80 m
Crew	12 Person

TANK CAPACITY

Fuel Oil	67.87 m ³
Fuel Oil Daily	4.52 m ³
Fresh Water	21.24 m ³
Ballast Water	29.97 m ³

PERFORMANCE

Speed	Up to 10.0 Knot
Bollard Pull Ahead	30.0 Ton

PROPULSION SYSTEM

Main Engine	2 x 1400 HP @1900 RPM
Gear Box Ratio	5.57 : 1
Propulsion System	FPP with Kort Nozzle

ELECTRICAL EQUIPMENT

Generator sets	2 x 80 kW, 1500RPM V/50 Hz
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ACCOMODATION

Below Main Deck	4 Person
Main Deck	4 Person

NAUTICAL AND COMMUNICATION EQUIPMENT

Searchlight	1x
Radar	2x
Electronic chart	1x Non-ECDIS
GPS	1x
AIS	1x
Compass	1x Magnetic, 1x GPS
Echo Sounder	1x
Navtex	1x
Weather Fax	1x

TOWING EQUIPMENT

Towing Hook	30 Ton Cap., Manual Release
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OTHER DETAILS

- Diamond Shape Wheelhouse
- Good Visibility & Maneuvering
- Collapsible Masthead (9.00 m Air Draft)

TUG BOAT 2578

Bollard Pull 18 T



GENERAL

Hull Material	Mild Steel Grade A
Superstructure material	Mild Steel Grade A
Basic Function	Tugboat
Classification	BKI Approved Bureau Veritas Approved I HULL • MACH Tug Boat, Tropical Zone

DIMENSIONS

Length overall	25.00 m
Beam overall	7.80 m
Depth at sides	3.50 m
Draught Max	2.80 m
Crew	10 Person

TANK CAPACITY

Fuel Oil	118 m ³
Fuel Oil Daily	3 m ³
Fresh Water	20 m ³
Ballast Water	28 m ³

PERFORMANCE

Speed	Up to 10.0 Knot
Bollard Pull Ahead	18.0 Ton

PROPULSION SYSTEM

Main Engine	YANMAR 2 x 829 HP @1900 RPM
Gear Box Ratio	KANZAKI 6.95 : 1
Propulsion System	FPP with Kort Nozzle

ELECTRICAL EQUIPMENT

Generator sets	WECHAI 2 x 30 kW, 60 kVA 220 V/380 V/50 Hz
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ACCOMODATION

Below Main Deck	8 Person
Main Deck	2 Person

NAUTICAL AND COMMUNICATION EQUIPMENT

Searchlight	1x
Radar	2x
Electronic chart	1x Non-ECDIS
GPS	1x
AIS	1x
Compass	1x Magnetic, 1x GPS
Echo Sounder	1x
Navtex	1x
Weather Fax	1x

TOWING EQUIPMENT

Towing Hook	25 Ton Cap., Manual Release
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OTHER DETAILS

- Diamond Shape Wheelhouse
- Good Visibility & Maneuvering
- Collapsible Masthead (9.00 m Air Draft)

TUG BOAT 2680

Bollard Pull 22 T



GENERAL

Hull Material	Mild Steel Grade A
Superstructure material	Mild Steel Grade A
Basic Function Classification	Tugboat
	BKI Approved
	Bureau Veritas Approved
	I HULL • MACH
	Tug Boat, Tropical Zone

DIMENSIONS

Length overall	26.00 m
Beam overall	8.00 m
Depth at sides	4.00 m
Draught Max	2.80 m
Crew	10 Person

TANK CAPACITY

Fuel Oil	110 m ³
Fuel Oil Daily	4 m ³
Fresh Water	24 m ³
Ballast Water	53 m ³

PERFORMANCE

Speed	Up to	10.0 Knot
Bollard Pull Ahead		22.0 Ton

PROPULSION SYSTEM

Main Engine	MITSUBISHI S6R2-MPTK3
Total Power	2 x 1038 HP
Gear Box Ratio	ADVANCE HCT 800, 4.95 : 1
Propulsion System	FPP with Kort Nozzle

ELECTRICAL EQUIPMENT

Generator sets	2 x 30 kW, 60 kVa
	220 V/380 V/50 Hz

ACCOMODATION

Below Main Deck	8 Person
Main Deck	2 Person

NAUTICAL AND COMMUNICATION EQUIPMENT

Searchlight	1x
Radar	2x
Electronic chart	1x Non-ECDIS
GPS	1x
AIS	1x
Compass	1x Magnetic, 1x GPS
Echo Sounder	1x
Navtex	1x
Weather Fax	1x

TOWING EQUIPMENT

Towing Hook	25 Ton Cap., Manual Release
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OTHER DETAILS

- Diamond Shape Wheelhouse
- Good Visibility & Maneuvering
- Collapsible Masthead (10.00 m Air Draft)
- Easy Maintenance with Engine Casing on Main Deck

TUG BOAT 2782

Bollard Pull 24 T



GENERAL

Hull Material	Mild Steel Grade A
Superstructure material	Mild Steel Grade A
Basic Function	Tugboat
Classification	BKI Approved Bureau Veritas Approved I ✕ HULL ● MACH Tug Boat, Tropical Zone

DIMENSIONS

Length overall	27.00 m
Beam overall	8.20 m
Depth at sides	4.00 m
Draught Max	3.00 m
Crew	10 Person

TANK CAPACITY

Fuel Oil	120 m ³
Fuel Oil Daily	5 m ³
Fresh Water	28 m ³
Ballast Water	50 m ³

PERFORMANCE

Speed	Up to	10.0 Knot
Bollard Pull Ahead		22.0 Ton

PROPULSION SYSTEM

Main Engine	YANMAR 6EY17W
Total Power	2 x 837 Kw @1450 RPM
Gear Box Ratio	YXH 500 L, 4.96 : 1
Propulsion System	FPP with Kort Nozzle

ELECTRICAL EQUIPMENT

Generator sets	2 x 30 kW, 37.5 kVa 415 V/3 PHASE/50 Hz
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ACCOMODATION

Below Main Deck	8 Person
Main Deck	2 Person

NAUTICAL AND COMMUNICATION EQUIPMENT

Searchlight	1x
Radar	2x
Electronic chart	1x Non-ECDIS
GPS	1x
AIS	1x
Compass	1x Magnetic, 1x GPS
Frho Soulder	1x
Navtex	1x
Weather Fax	1x

TOWING EQUIPMENT

Towing Hook	28 Ton Cap., Manual Release
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OTHER DETAILS

- Good Visibility & Maneuvering
- Collapsible Masthead (9.00 m Air Draft)

TUG BOAT 2886

Bollard Pull 26 T ~ 32 T



GENERAL

Hull Material	Mild Steel Grade A
Superstructure material	Mild Steel Grade A
Basic Function	Tugboat
Classification	BKI Approved Bureau Veritas Approved I ✘ HULL • MACH Tug Boat, Tropical Zone

DIMENSIONS

Length overall	28.00 m
Beam overall	8.60 m
Depth at sides	4.45 m
Draught Max	3.50 m
Crew	11 Person

TANK CAPACITY

Fuel Oil	141 m ³
Fuel Oil Daily	2 x 7 m ³
Fresh Water	32 m ³
Ballast Water	36 m ³

PERFORMANCE

Speed	Up to 11.0 Knot
Bollard Pull Ahead	26.0 Ton (Option 1) 32.0 Ton (Option 2)

PROPULSION SYSTEM

Main Engine	2 x Yanmar 6EY17W (Option 1) 2 x Yanmar 6EY22AW (Option 2)
Total Power	Up to 2 x 1100 HP (Option 1) UP to 2 x 1200 HP (Option 2)
Propulsion System	FPP with Kort Nozzle

ELECTRICAL EQUIPMENT

Generator sets	2 x 64 kW Cummins DCEC CCFJ-64J
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ACCOMODATION

Upper Deck	3 Person
Main Deck	8 Person

NAUTICAL AND COMMUNICATION EQUIPMENT

Searchlight	1x
Radar	2x
Electronic chart	1x Non-ECDIS
GPS	1x
AIS	1x
Compass	1x Magnetic, 1x GPS
Echo Sounder	1x
Navtex	1x
Weather Fax	1x

TOWING EQUIPMENT

Towing Hook	30 Ton Cap., Manual Release (Option 1) 42 Ton Cap., Manual Release (Option 2)
Towing Winch	Elec. Hyd. 30 Ton Cap. (Option 1) Brake Holding 50 Ton Elec. Hyd. 42 Ton Cap. (Option 2) Brake Holding 100 Ton
Towing Line	Steel Wire Rope 44 mm x 750 m

OTHER DETAILS

- Diamond Shape Wheelhouse
- Good Visibility & Maneuvering
- Collapsible Masthead (9.00 m Air Draft)
- All Accommodation Area Above Waterlines
- Easy Maintenance with Engine Casing on Main Deck

TUG BOAT 3086

Bollard Pull 36 T ~ 38 T



GENERAL

Hull Material	Mild Steel Grade A
Superstructure material	Mild Steel Grade A
Basic Function	Tugboat
Classification	BKI Approved Bureau Veritas Approved I ✘ HULL • MACH Tug Boat, Tropical Zone

DIMENSIONS

Length overall	30.20 m
Beam overall	8.60 m
Depth at sides	4.45 m
Draught Max	3.50 m
Crew	11 Person

TANK CAPACITY

Fuel Oil	162 m ³
Fuel Oil Daily	7 m ³
Fresh Water	59 m ³
Ballast Water	38 m ³

PERFORMANCE

Speed	Up to	12.0 Knot
Bollard Pull Ahead		40.0 Ton (Option 1) 42.0 Ton (Option 2)

PROPULSION SYSTEM

Main Engine		2 x Yanmar 6EY22AW (Option 1) 2 x Yanmar 12AYM-WET (Option 2)
Total Power	Up to	2 x 1400 HP (Option 1)
	UP to	2 x 1600 HP (Option 2)
Propulsion System		FPP with Kort Nozzle

ELECTRICAL EQUIPMENT

Generator sets	2 x 78 kW Cummins 6BT5.9-DM (Option 1) 2 x 80 kW Cummins DCED CCFJ-80J (Option 2)
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ACCOMODATION

Upper Deck	3 Person
Main Deck	8 Person

NAUTICAL AND COMMUNICATION EQUIPMENT

Searchlight	1x
Radar	2x
Electronic chart	1x Non-ECDIS
GPS	1x
AIS	1x
Compass	1x Magnetic, 1x GPS
Echo Sounder	1x
Navtex	1x
Weather Fax	1x

TOWING EQUIPMENT

Towing Hook	40 Ton Cap., Manual Release (Option 1) 42 Ton Cap., Manual Release (Option 2)
Towing Winch	Elec. Hyd. 40 Ton Cap. (Option 1) Brake Holding 100 Ton Elec. Hyd. 42 Ton Cap. (Option 2) Brake Holding 100 Ton
Towing Line	Steel Wire Rope 44 mm x 750 m

OTHER DETAILS

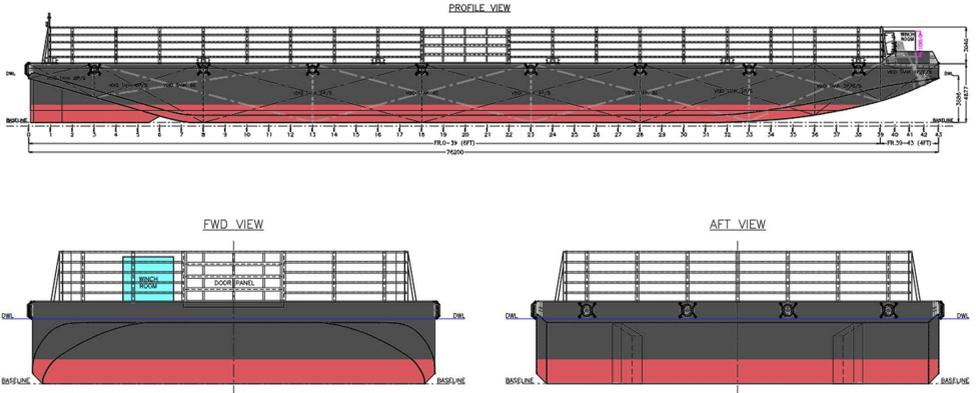
- Diamond Shape Wheelhouse
- Good Visibility & Maneuvering
- Collapsible Masthead (10.00 m Air Draft)
- All Accommodation Area Above Waterlines
- Easy Maintenance with Engine Casing on Main Deck



**BARGE
SERIES**

BARGE

250 FT



GENERAL

Hull Material	Mild Steel Grade A
Superstructure material	Mild Steel Grade A
Basic Function	Barge
Classification	IACS Member +A100 "Pontoon" P Barge, Tropical Zone

DIMENSIONS

Length overall	76.23 m (250 Feet)
Beam overall	24.30 m (80 Feet)
Depth at sides	4.87 m (16 Feet)
Draught Max	3.90 m
Height Side Wall	3.00 m
DWT	5700 Ton

EQUIPMENT

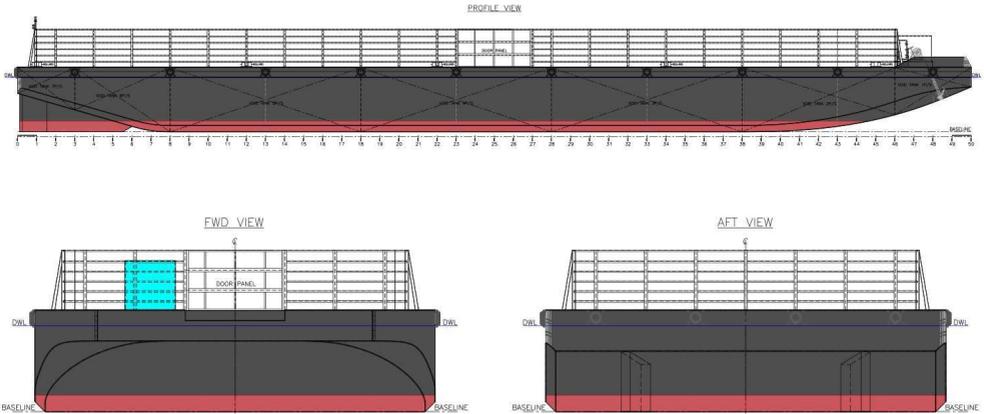
Hydraulic Windlass	1 x Pull Cap. About 8.2 Ton x 0-9m/min
Anchor	1 x 1400 Kg
Smith Bracket	203,94 Ton
Bollard	SWL 12 Ton

OTHER DETAILS

Deck Loading	8 T/M ²
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BARGE

300 FT



GENERAL

Hull Material	Mild Steel Grade A
Superstructure material	Mild Steel Grade A
Basic Function	Barge
Classification	IACS Member +A100 "Pontoon" P Barge, Tropical Zone

DIMENSIONS

Length overall	91,44	m	(300 Feet)
Beam overall	24,38	m	(80 Feet)
Depth at sides	6,17	m	(20 Feet)
Draught Max	5,18	m	
Height Side Wall	3,00	m	
DWT	8.800	Ton	

EQUIPMENT

Hydraulic Windlass	1 x Pull Cap. About 8.2 Ton x 0-9m/min
Anchor	1 x 1400 Kg
Smith Bracket	203,94 Ton
Bollard	SWL 12 Ton

OTHER DETAILS

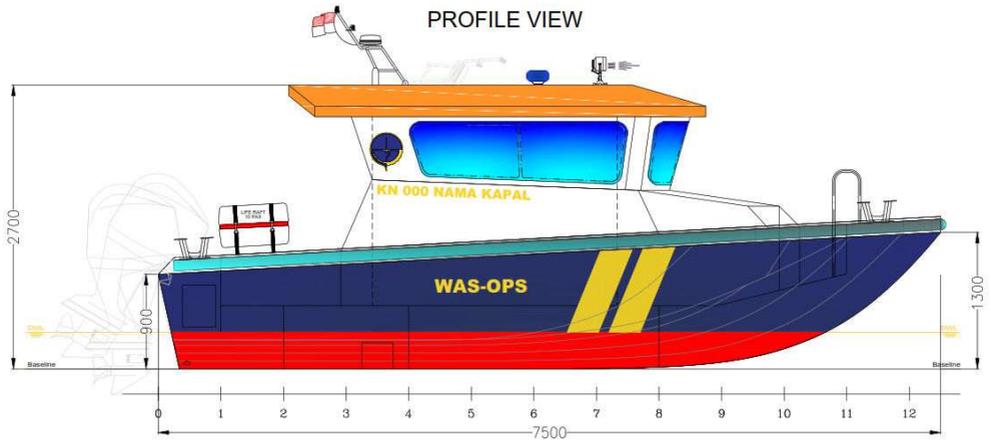
Deck Loading	8 T/M ²
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**PATROL
SERIES**

PATROL BOAT

7.5 M



GENERAL

Hull Material	Aluminum
Superstructure material	Aluminum
Basic Function	Patrol Boat
Classification	Biro Klasifikasi Indonesia

DIMENSIONS

Length overall	7.50 m
Length Perpendicular	6.39 m
Length of Waterline	6.27 m
Beam overall	2.40 m
Draught Max	0.35 m

TANK CAPACITY

Fuel oil	2 x 200 L
Fresh water	1 x 50 L

PERFORMANCE

Speed	Up to 25.0 Knot
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PROPULSION SYSTEM

Main Engine	2 x 150 HP @4300-5500 RPM Light Commercial Duty (Outboard)
Propulsion System	2 x Fixed Pitch Propeller

ELECTRICAL EQUIPMENT

Generator sets	1 x 2.8 kVa Gasoline Engine
AGM Battery	1 x 100 AH/12V

ACCOMODATION

Crew	6 Person
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NAUTICAL AND COMMUNICATION EQUIPMENT

Searchlight	1x
Flood Light	1x
Magnetic Compass	1x
Electric Horn	1x
Marine Clock	1x
Clinometer	1x
Barometer	1x
Anemometer	1x
Marine Radar	1x
GPS	1x
VHF Marine Transceiver	1x
AIS	1x

PATROL BOAT

12 M



GENERAL

Hull Material	Aluminum
Superstructure material	Aluminum
Basic Function	Patrol Boat
Classification	Biro Klasifikasi Indonesia

DIMENSIONS

Length overall	13.35 m
Length hull	12.50 m
Length of Waterline	11.03 m
Beam overall	3.50 m
Depth at sides	1.60 m
Draught Max	0.70 m

TANK CAPACITY

Fuel oil	2 x 700 L
Fresh water	1 x 250 L

PERFORMANCE

Speed	Up to 25.0 Knot
FIFI	1 x 300 m ³ /h (1/8)

PROPULSION SYSTEM

Main Engine	2 x 425 HP (Outboard)
Propulsion System	2 x Fixed Pitch Propeller

ELECTRICAL EQUIPMENT

Generator sets	1 x 6 kVa
AGM Battery	1 x 100 AH/12V

ACCOMMODATION

Crew	3 Person
Cadets	7 Person

NAUTICAL AND COMMUNICATION EQUIPMENT

Searchlight	1x
Flood Light	1x
Magnetic Compass	1x
Electric Horn	1x
Marine Clock	1x
Clinometer	1x
Barometer	1x
Anemometer	1x
Marine Radar	1x
GPS	1x
VHF Marine Transceiver	1x
AIS	1x

PATROL BOAT

17 M



GENERAL

Hull Material	Aluminum
Superstructure material	Aluminum
Basic Function	Patrol Boat
Classification	Biro Klasifikasi Indonesia

DIMENSIONS

Length overall	17.60 m
Length hull	17.30 m
Length Perpendicular	15.50 m
Length of Waterline	15.65 m
Beam overall	4.40 m
Depth at sides	2.40 m
Draught Max	0.85 m

TANK CAPACITY

Fuel oil	2 x 1300 L
Fuel oil daily	2 x 890 L
Fresh water	1 x 600 L

PERFORMANCE

Speed	Up to	25.0 Knot
FIFI		1 x 300 m ³ /h (1/8)

PROPULSION SYSTEM

Main Engine		Volvo Penta D8-IPS900
Total Power	Up to	2 x 701 HP @2250 RPM
Propulsion System		2 x Fixed Pitch Propeller

ELECTRICAL EQUIPMENT

Generator sets	1 x 7.5 kVa Motor Diesel
AGM Battery	1 x 100 AH/12V

ACCOMODATION

Crew	4 Person
Cadets	14 Person

NAUTICAL AND COMMUNICATION EQUIPMENT

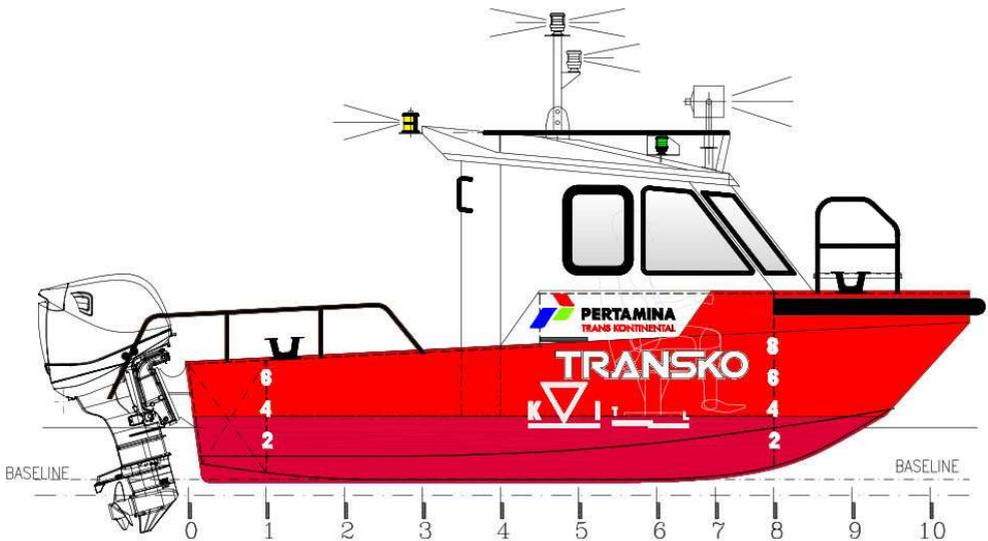
Searchlight	1x
Flood Light	1x
Magnetic Compass	1x
Electric Horn	1x
Marine Clock	1x
Clinometer	1x
Barometer	1x
Anemometer	1x
Marine Radar	1x
GPS	1x
VHF Marine Transceiver	1x
AIS	1x



**PILOT
SERIES**

PILOT BOAT

5.9 M



GENERAL

Hull Material	Aluminium
Superstructure material	Aluminium
Basic Function	Pilot Boat
Classification	BKI Approved

DIMENSIONS

Length overall	5.93 m
Length of waterline	5.20 m
Beam overall	2.00 m
Depth at sides	1.20 m
Draught Max	0.33 m

TANK CAPACITY

Fuel Oil	2 x 120 L
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PERFORMANCE

Speed	Up to 18.0 Knot
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PROPULSION SYSTEM

Main Engine	Up to 90 HP (Outboard)
Propulsion System	Fixed Pitch Propeller

ACCOMODATION

Crew	2 Person
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ELECTRICAL EQUIPMENT

Battery	2 x 100 AH
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NAUTICAL AND COMMUNICATION EQUIPMENT

Searchlight	1x
Flood Light	2x
Magnetic Compass	1x
Electric Horn	1x
Clinometer	1x
Binocular	1x
GPS	1x
VHF Marine	1x
Handy Talkie	2x

PILOT BOAT

12.9 M



GENERAL

Hull Material	Aluminium
Superstructure material	Aluminium
Basic Function	Pilot Boat
Classification	BKI Approved

DIMENSIONS

Length overall	12.93 m
Length of waterline	10.01 m
Beam overall	3.80 m
Depth at sides	2.25 m
Draught Max	0.65 m

TANK CAPACITY

Fuel Oil	2 x 1200 L
Fuel Oil Daily	2 x 240 L
Portable Fresh Water	680 L

PERFORMANCE

Speed	Up to 20.0 Knot
-------	-----------------

PROPULSION SYSTEM

Main Engine	Volvo Penta D6 -380
Total Power	Up to 2 x 350 HP @3500 RPM (inboard)
Propulsion	2 x Water Jet, Almarin Jet AJ-285

ELECTRICAL EQUIPMENT

Generator sets	2 x 10 kW (12.5 kVa), Paguro 10EK
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ACCOMODATION

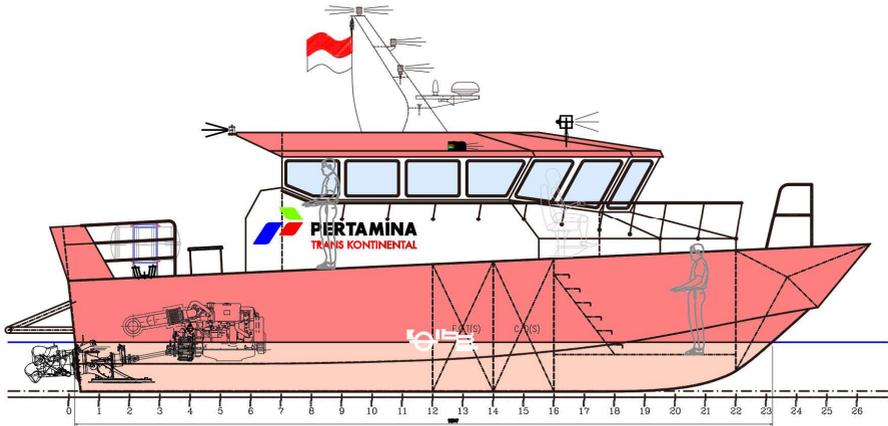
Crew	2 Person
Complement	6 Person

NAUTICAL AND COMMUNICATION EQUIPMENT

Searchlight	1x
Flood Light	2x
Magnetic Compass	1x
Electric Horn	1x
Marine Clock	1x
Clinometer	1x
Barometer	1x
Anemometer	1x
Marine Radar	1x
GPS	1x
VHF Marine Transceiver	1x
SSB Marine Transceiver	1x
AIS	1x

PILOT BOAT

13.2 M



GENERAL

Hull Material	Aluminium
Superstructure material	Aluminium
Basic Function	Pilot Boat
Classification	BKI Approved

DIMENSIONS

Length overall	13.20 m
Length of waterline	11.50 m
Beam overall	3.90 m
Depth at sides	1.60 m
Draught Max	0.60 m

TANK CAPACITY

Fuel Oil	2 x 1200 L
Portable Fresh Water	700 L

PERFORMANCE

Speed	Up to 20.0 Knot
-------	-----------------

PROPULSION SYSTEM

Main Engine	Up to 2 x 400 HP (inboard)
Propulsion	2 x Water Jet 2500-3000 RPM

ELECTRICAL EQUIPMENT

Generator sets	2 x 6 kW (12.5 kVa), 1 Phase, 220 V
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ACCOMODATION

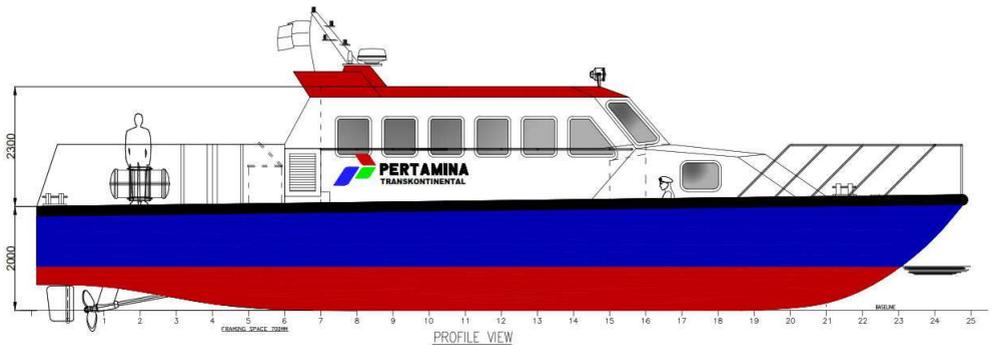
Crew	2 Person
Complement	16 Person

NAUTICAL AND COMMUNICATION EQUIPMENT

Searchlight	2x
Flood Light	2x
Magnetic Compass	1x
Electric Horn	1x
Marine Clock	1x
Clinometer	1x
Barometer	1x
Anemometer	1x
Marine Radar	1x
GPS	1x
VHF Marine Transceiver	1x
SSB Marine Transceiver	1x
AIS	1x

PILOT BOAT

18 M



GENERAL

Hull Material	Aluminium
Superstructure material	Aluminium
Basic Function	Pilot Boat
Classification	BKI Approved

DIMENSIONS

Length overall	18.00 m
Length of waterline	16.68 m
Beam overall	4.20 m
Depth at sides	2.00 m
Draught Max	0.80 m

TANK CAPACITY

Fuel Oil	2 x 2790 L
Fresh Water	2 x 1370 L

PERFORMANCE

Speed	Up to	15.0 Knot
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PROPULSION SYSTEM

Main Engine	Volvo Penta D8 -510	
Total Power	Up to	2 x 510 HP @2850 RPM (inboard)
Gear Box	ZF, 1 : 2.391	
Propulsion	2 x Fixed Pitch Propeller	

ELECTRICAL EQUIPMENT

Generator sets	2 x 17.5 kW, Paguro
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ACCOMODATION

Crew	2 Person
Complement	16 Person

NAUTICAL AND COMMUNICATION EQUIPMENT

Searchlight	2x
Magnetic Compass	1x
Electric Horn	1x
Marine Clock	1x
Clinometer	1x
Barometer	1x
Anemometer	1x
Marine Radar	1x
GPS	1x
VHF Marine Transceiver	1x
SSB Marin Transceiver	1x
AIS	1x

The image features a large, abstract graphic on the left side, composed of several overlapping geometric shapes. A prominent dark blue triangle points downwards from the top left. Below it, a black triangle points downwards from the left. To the right of these, a grey triangle points downwards from the top. The background is white. The text 'PASSENGER SERIES' is positioned to the right of the graphic.

**PASSENGER
SERIES**

NITORYU

CATAMARAN 200 PAX



GENERAL

Hull Material	Aluminium
Superstructure material	Aluminium
Basic Function	Passenger, Recreation
Classification	BKI Approved ✠A100 © P "Passenger Ship" SM

DIMENSIONS

Length overall	29.50 m
Length perpendicular	27.35 m
Beam overall	8.90 m
Depth at sides	2.60 m
Draught Max	1.40 m
Passenger	200 Pax

PERFORMANCE

Speed	Up to	30.0 Knot
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PROPULSION SYSTEM

Main Engine	2 x 1450 HP
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ACCOMODATION

Passenger	200 Person (Lounger)
Lavatory/Toilet	2x
Store	2x

NAUTICAL AND COMMUNICATION EQUIPMENT

Searchlight	1x
Radar	2x
Electronic chart	1x Non-ECDIS
GPS	1x
AIS	1x
Compass	1x Magnetic, 1x GPS
Navtex	1x
Weather Fax	1x

FLOATING BEACH CLUB

180 FT



GENERAL

Hull Material	Mild Steel Grade A
Superstructure material	Mild Steel Grade A
Basic Function	Passenger, Recreation
Classification	BKI Approved +A100 P, BARGE, ACCOMMODATION, IW, +A-SM

DIMENSIONS

Length of Waterline	54.864 m
Breadth	18.288 m
Depth at sides	3.658 m
Draught Design	2.743 m
Crew	6 Pax

ACCOMODATION

Passenger	250 Person
Lavatory/Toilet	2x
Store	2x

EQUIPMENT

Bollard	12 Ton
Smith Bracket	203.94 Ton
Deck Loading	8 Ton/m2
Electronic chart	1x Non-ECDIS
GPS	1x
AIS	1x
Compass	1x Magnetic, 1x GPS
Navtex	1x
Weather Fax	1x

GLASS BOTTOM

CATAMARAN 42 PAX



GENERAL

Hull Material	Aluminium
Superstructure material	Aluminium
Basic Function	Passenger, Recreation
Classification	BKI Approved KI + A100 ① L PASSENGER SHIP, RECREATIONAL SM

DIMENSIONS

Length overall	22.06 m
Length perpendicular	20.94 m
Beam overall	8.00 m
Depth at sides	2.65 m
Draught Max	1.80 m

PERFORMANCE

Speed	Up to	12.0 Knot
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PROPULSION SYSTEM

Main Engine	2 x 550 HP @1900 RPM
Gearbox Ration	1 : 3.53
Propulsion System	Fixed Pitch Propeller

ACCOMODATION

Boat Deck:	
Passenger	8 Person (Lounger)
Main Deck:	
Passenger	42 Person
Lavatory/Toilet	2x
Café	1x
Store	2x

NAUTICAL AND COMMUNICATION EQUIPMENT

Searchlight	1x
Radar	2x
Electronic chart	1x Non-ECDIS
GPS	1x
AIS	1x
Compass	1x Magnetic, 1x GPS
Navtex	1x
Weather Fax	1x

OTHER DETAILS

- Has an open space accommodation on boat deck with lounger.
- Has a large underwater tourism space.

BUS AIR RO-RO

CATAMARAN 30 PAX



GENERAL

Hull Material	Aluminium
Superstructure material	Aluminium
Basic Function	Passenger
Classification	BKI Approved KI + A100 (D)/(T) KAPAL PENYEBERANGAN UP TO 24 M

DIMENSIONS

Length overall	14.00 m
Length perpendicular	12.50 m
Beam overall	6.00 m
Depth at sides	2.00 m
Draught Max	1.00 m

TANK CAPACITY

Fuel Oil	2 x 3 m ³
Fresh Water	2 x 1 m ³

PERFORMANCE

Speed	Up to	12.0 Knot
-------	-------	-----------

PROPULSION SYSTEM

Main Engine	2 x Volvo Penta D7C TA	
Total Power	Up to	2 x 250 HP
Propulsion System	Fixed Pitch Propeller	

ACCOMODATION

Boat Deck:	
Passenger	10 Person
Main Deck:	
Crew	2 Person
Passenger	30 Person
Vehicle	10 Motorcycle
Lavatory/Toilet	1x

ELECTRICAL EQUIPMENT

Generator sets	2 x 7.5 kVa
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NAUTICAL AND COMMUNICATION EQUIPMENT

Searchlight	1x
Radar	2x
Electronic chart	1x Non-ECDIS
GPS	1x
AIS	1x
Compass	1x Magnetic, 1x GPS
Navtex	1x
Weather Fax	1x

OTHER DETAILS

- Suitable for short routes & protected water.
- 360° Wheelhouse windows for good visibility.
- Has an open space accommodation on boat deck.

BUS AIR RO-RO

CATAMARAN 52 PAX



GENERAL

Hull Material	Aluminium Alloy
Superstructure material	Aluminium Alloy
Basic Function	Passenger
Classification	BKI Approved KI + A100 (i) IV PASSENGER (FERRY) AL CAT (X) SM

DIMENSIONS

Length overall	15.27 m
Beam overall	6.30 m
Depth at sides	2.00 m
Draught Max	0.80 m

TANK CAPACITY

Fuel Oil	2 x 0.70 m ³
Fresh Water	2 x 0.93 m ³

PERFORMANCE

Speed	Up to	13.0 Knot
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PROPULSION SYSTEM

Main Engine	4 x OBM 4 TAK GASOLINE	
Total Power	Up to	4 x 250 HP
Propulsion System	Fixed Pitch Propeller OBM	

ACCOMODATION

Boat Deck:	
Passenger	16 Person
Main Deck:	
Crew	3 Person
Passenger	36 Person
Vehicle	16 Motorcycle
Lavatory/Toilet	1x

ELECTRICAL EQUIPMENT

Generator sets	1 x 10 kVa
Generator Harbour	1 x 5 kVa

NAUTICAL AND COMMUNICATION EQUIPMENT

Searchlight	1x
Radar	2x
Electronic chart	1x Non-ECDIS
GPS	1x
AIS	1x
Compass	1x Magnetic, 1x GPS
Navtex	1x
Weather Fax	1x

OTHER DETAILS

- Suitable for short routes & protected water.
- 360° Wheelhouse windows for good visibility.



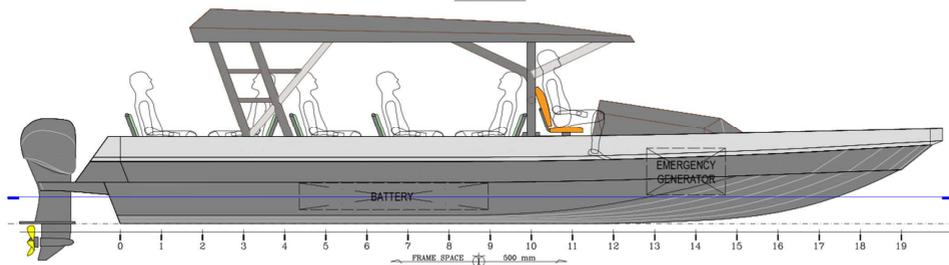
OTHERS

ELECTRIC BOAT 15 PAX

STORMBREAKER 1126



SIDE VIEW



GENERAL

Hull Material	Mild Steel Grade A
Superstructure material	Mild Steel Grade A
Basic Function	Electric Boat

ACCOMODATION

Crew	2 Person
Passenger	15 Person

DIMENSIONS

Length overall	11.0 m
Beam overall	2.70 m
Deck Depth	0.50 m
Height Overall	2.60 m
Draft Designed	0.325 m

PERFORMANCE

Speed	Up to	25.0 Knot
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PROPULSION SYSTEM

Main Engine	1 x 155	HP
Battery	1 x 125	kWh
EMc. Genset	50 Hz, 1	Phase
Power	1 x 9	kWh

MODULAR 36 m

CARGO PASSENGER



GENERAL

Hull Material	Mild Steel Grade A
Superstructure material	Mild Steel Grade A
Basic Function	Cargo Passenger
Classification	BKI Approved A100 ① P "RO-RO PASSENGER SHIP OPEN SPACE, FERRY"

DIMENSIONS

Length overall	36.06 m
Beam overall	11.74 m
Beam modular	9.60 m
Depth at sides	1.80 m
Draught Max	1.20 m

TANK CAPACITY

Fuel Oil	2 x 5 m ³
Fuel Oil Daily	2 x 1 m ³
Fresh Water	2 x 5 m ³

PERFORMANCE

Speed	Up to	10.0 Knot
-------	-------	-----------

PROPULSION SYSTEM

Main Engine	2 x Yanmar 6HA2M-WDT	
Total Power	Up to	2 x 810 HP
Propulsion System	Fixed Pitch Propeller	

ELECTRICAL EQUIPMENT

Generator sets	2 x 40 kW
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EQUIPMENT

Hydraulic Windlass	1x Pull Cap. About 8.2 Ton x 0.9/min
Anchor	1x 240 Kg

ACCOMODATION

Boat Deck:	
Passenger	36 Person
Main Deck:	
Crew	8 Person
Passenger	44 Person
Vehicle	21 Car
Lavatory/Toilet	3x
Nursery Room	1x
Clinic	1x
Praying Room	1x
Galley	1x
Mess Room	1x

NAUTICAL AND COMMUNICATION EQUIPMENT

Searchlight	1x
Radar	2x
Electronic chart	1x Non-ECDIS
GPS	1x
AIS	1x
Compass	1x Magnetic, 1x GPS
Navtex	1x
Weather Fax	1x

OTHER DETAILS

- 40 ft container modular size can be delivered to remote area.
- Suitable for short routes & protected water.
- Can operate without supporting jetty facilities (beaching).
- Adjustable size according to the needs.
- Can be built anywhere without requiring supporting shipyard facilities.
- Adjustable design, can be built for floating jetty, floating bridge, ets. with the size according to your needs.

ACCOMMODATION BARGE

212 PAX



GENERAL

Hull Material	Mild Steel Grade A
Superstructure material	Mild Steel Grade A
Basic Function	Accommodation Barge
Classification	IACS Member

DIMENSIONS

Length overall	63.00 m
Beam overall	23.50 m
Depth at sides	4.50 m
Crew	180 Person

TANK CAPACITY

Fuel Oil	550 m ³
Fresh Water	400 m ³
Ballast Water	2000 m ³

ACCOMODATION

VVIP Room	2 Person (2 Room)
VIP Room	2 Person (2 Room)
Officer Room	4 Person (4 Room)
Standard Room	2P 68 Person (34 Room)
	4P 136 Person (34 Room)
Meeting Room	Up to 24 Person (1 Room)
Mess Room	Up to 84 Person (1 Room)
Office	48 Person (8 Room)
Hospital	3 Person (1 Room)
Galley	1 Room
Changing Room	1 Room
Lavatory	En-suite Bathroom Available

NAUTICAL AND COMMUNICATION EQUIPMENT

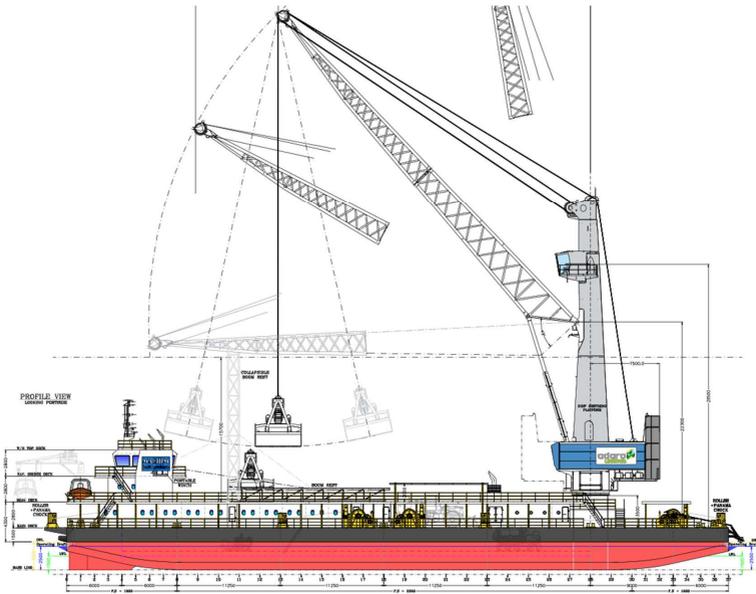
Searchlight	1x
Radar	2x
Electronic chart	1x Non-ECDIS
GPS	1x
AIS	1x
Compass	1x Magnetic, 1x GPS
Echo Sounder	1x
Navtex	1x
Weather Fax	1x

EQUIPMENT

Hydraulic Windlass	2 x Pull Cap. About 8.2 Ton x 0-9m/min
Anchor	2 x 1400 Kg Stockless Bower Anchor
Anchor Rack	1 x (Fwd)
Smith Bracket	203,94 Ton
Bollard	SWL 12 Ton
Crane	1 x Crawler Crane SWL 5 Ton @ 9 m Working Radius SWL 11 Ton @ 18 m Working Radius
Inflatable Liferaft	7 x 25 Person
Rescue Boat	Cap. 6 Person

BARGE CRANE

1500 TPH



GENERAL

Hull Material	Marine Plate Grade A
Superstructure material	Marine Plate Grade A
Basic Function	Barge Crane
Classification	BV

DIMENSIONS

Length overall	74.40 m
Beam overall	24.00 m
Depth	4.50 m
Draft Designed	3.00 m
Operating Draft	2.50 m
Capacity	35 Pax

TANK CAPACITY

Fuel Oil Daily Tank	12.74 m ³
Fresh Water	311.76 m ³
Ballast Water	3274.25 m ³

ACCOMODATION

ABK Room	35 Person
Galley	1 Room
Chiller & Freezer	1 Room
Mess Room	30 Pax
Lounge	1 Room
Praying Room	1 Room
Meeting Room	13 Pax
Laundry Room	1 Room
Hospital	1 Room

PERFORMANCE

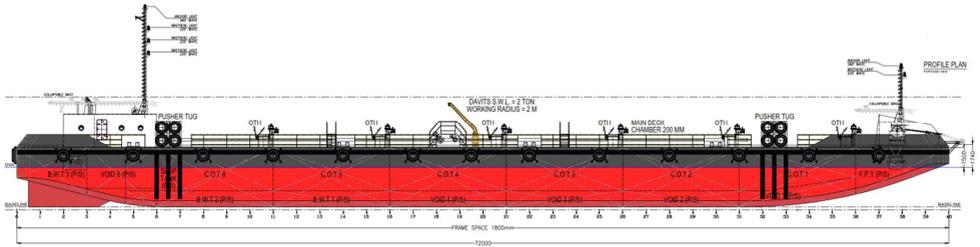
Accommodation Main Genset	3x400kW 1500RPM, 50Hz
Crane Genset	2 x 2001kW 1800RPM, 60Hz
Crane	50 Ton 43m Radius

EQUIPMENT

Mooring Winch	1 Set, Holding Power 50 Ton
Anchor	2.1MT Flipper Delta
Anchor Chain	440m Dia 40mm Grade 2
Crane Foundation	12 Ton
Bollard	12 Ton
Chock	12 Ton
Provision Crane	Fix Crane Derrick Boom Type 5 Ton

OIL BARGE

2500 KL



GENERAL

Hull Material	Marine Plate Grade A
Superstructure material	Marine Plate Grade A
Basic Function	Oil Barge
Classification	BKI

DIMENSIONS

Length overall	72.00 m
Beam overall	27.60 m
Depth at sides	4.50 m
Draft Designed	3.00 m

TANK CAPACITY

Fuel Oil Daily Tank	7.214 m ³
Fresh Water	14.363 m ³
Ballast Water	772.696 m ³
Cargo Oil Tank	2614.11 m ³

ACCOMODATION

Toilet	1 Unit (2 Room)
ABK Room	4 Person (2 Room)
Control Room	1 Room
CO2 Room	1 Room
Mess Room	1 Room
Office Room	1 Room
Pantry	1 Room

NAUTICAL AND COMMUNICATION EQUIPMENT

Internal Communication	1 Shipset
HT	2 Unit
Barometer	1 Unit
Thermometer	1 Unit

EQUIPMENT

Anchor Windlass	2 Unit
Anchor	780 Kg Stockless Bower Anchor
Anchor Chain	d = 24 mm
Bollard	SWL 12 Ton
Towing Bracket	2 Set
Tali Tambat	4 Roll CIR 10 x 50 m
Tali Buang	2 Roll, 50 m per head

Key Partners



Company Affiliation





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