

Offshore Multi-Purpose Work Vessel

KAIYU (Built 2005 March)



Dimensions

| | | |
|----|----------------|--------|
| a. | Length | 62.4 m |
| b. | Breadth mld | 14.0 m |
| c. | Depth mld | 6.0 m |
| d. | Draught-Loaded | 5.0m |

Class & Navigation Limit

| | | |
|----|------------------|-----------------------|
| a. | Classification | NK NS MNS |
| b. | Ice Class | C |
| c. | Navigation Limit | Major coastal (A-3) |

Tonnage

| | | |
|----|---------------|------------|
| a. | Gross Tonnage | 1,292 tons |
| b. | Int. Tonnage | 1,682 tons |

Capacity

| | | |
|----|-------------|--------------------|
| a. | Fuel Oil | 957 m ³ |
| b. | Fresh water | 409 m ³ |
| c. | Drill water | 320 m ³ |
| d. | Bulk Tank | 140 m ³ |
| e. | Deck Cargo | 1,350 tons |
| f. | Deck Space | 10 m × 30 m |

Speed, Endurance & Bollard Pull

| | | |
|----|--------------|---------------------------------|
| a. | Speed | Max 13.5 kts/ Economical 10 kts |
| b. | Endurance | 18,000 N.M. |
| c. | Bollard Pull | 60 tons |

Machinery

| | | |
|----|-------------------------|--|
| a. | Main Engine | 2 × Niigata 1,838KW (2,500PS) Total 5,000PS 2 × CPP in Kort nozzles |
| b. | Generator | 2 × 280KW (350KVA) |
| c. | Shaft generator | 1,280KW (1,600KVA) |
| d. | Bow thruster | 2 × CPP type of 79.4KN |
| e. | Stern thruster | 1 × CPP type of 79.4 KN |
| f. | Deck Crane | 1 × Telescopic Crane 3tons 14m Boom |
| g. | Capstans | 2 × capacity 10 tons |
| h. | Tugger Winch | 2 × capacity 10/5 tons |
| i. | Stern Roller | 3.65m × 1.8 m dia SWL 100 tons |
| j. | Deep Sea Mooring System | 2 × 1,920 kg stockless type bow anchors with 550 m 38 mm diameter wire |

Navigation & Radio Equipment

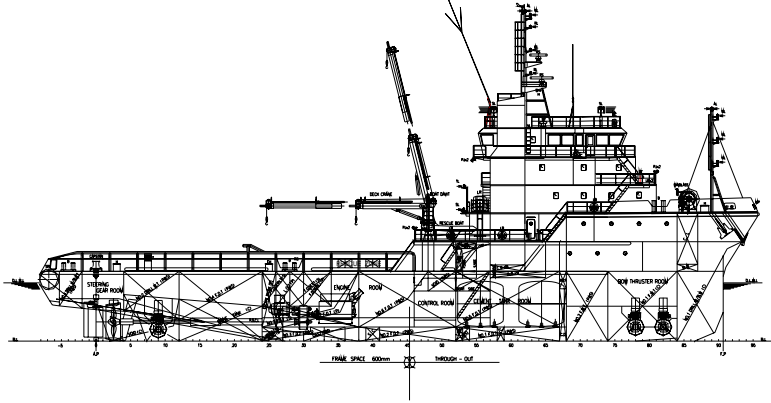
2 units radars, echo sounder, auto-pilot, gyro compasses, VHF transceivers, weather, fax, satcom, speed log,
2 × remote control metal halide lamp searchlight, GMDSS unit
DGPS Radio Beacon
DP KONGSBERG Simrad DP-11
Deep Echo Sounder (Simrad EA 600)

Complement

| | | |
|----|---------------|------|
| a. | Crew | 19 p |
| b. | Passenger etc | 21 p |

General Arrangement

KAIYU



E-DECK PLAN
D-DECK PLAN
C-DECK PLAN
B-DECK PLAN
A-DECK PLAN
MAIN DECK PLAN

