NEW BUILD - 40m Aluminium Crew Boat

Listing ID - 1940

Description	**NEW BUILD - 40m Aluminium Crew Boat**
Length	40m (131ft)
Beam	7.6m (24ft 11in)
Draft	2.6m (8ft 6in)
Location	ex yard, Hong Kong
Broker	John Kearns john.kearns@seaboatsbrokers.com +64 21 400 805
Price	POA

40m Crew Boat, designed by Incat Crowther and constructed in aluminium. Built to ABS class with notation ABS X A1, HSC Crewboat, X AMS. Powered by triple Cummins marine engines including two (2) KTA38 M2 and one (1) KTA50 M2, with a total installed power of 4500 HP and providing a service speed of 23 knots. The vessel can carry 50 tonne of cargo on her 110m2 timber clad aft deck. Aircraft type seating is provided for eighty personnel in one large deckhouse cabin in air conditioned comfort, along with 2 heads aft. The lower deck accommodates 10 crew in six cabins forward, with a large galley, mess area and laundry room.

Principal Characteristics

Length Overall: 40.0 meters

Length Waterline: 38.7 meters

Beam Molded: 7.60 meters

Depth Amidships: 3.65 meters

Max. Draft: 2.60 meters

Deadweight: 150 tonnes

Deck Cargo: 50 tonnes

External Deck Strength: 2.0 tonnes/m2

Cargo Deck Area (between rails): 18.3m x 6.0m, 110m2

Fuel Oil: 86 m3

Fresh Water: 23 m3

Lube Oil: 2.3 m3

Dispersant: 500 ltr

Passengers: Eighty (80)

Propulsion: Two (2) geared Cummins KTA38-M2 marine diesel engines, each rated 1,350 hp @ 1900 RPM plus one (1) geared Cummins KTA50-M2 marine diesel engine, rated 1,800 hp @ 1900 rpm. The three (3) diesel engines shall drive three (3) NiBrAl Fixed Pitch Propellers through Twin Disc MGX 6690 SC & MGX 6848 SC gearboxes.

Crew: Ten (10)

Max Speed: 25 knots @ 35 mt DWT at 100% power

Service Speed: 23 knots @ 35 mt DWT at 85% power

HULL STRUCTURE

The hull and superstructure shall be welded 5000 Series marine aluminum alloy plates with extruded aluminum profiles to be 6000 Series.

Structural arrangement, structural details, and scantlings shall be designed to withstand operations in environmental conditions stated herein. A one (1) compartment floodable length standard will be used.

Bollards and Bitts

- Transom, two (2) double-150 mm, schedule 80 aluminum pipe.

- Midship, two (2) double-125 mm, schedule 80 aluminum pipe.

- Bow, four (4) double-100 mm, schedule 80 aluminum pipe.

Fender

Heavy-duty aluminium section fenders in line with main deck. Used aircraft tyre fenders will be supplied and installed as shown in the General Arrangement drawing.

Rescue Zone

Rescue zones to be fitted port and starboard, approx. 800-1000mm long.

PROPULSION PLANT

Two (2) Cummins KTA38-M2 marine diesel engines, each rated at 1,350 HP at 1900 RPM plus one (1) Cummins KTA50-M2 marine diesel engine rated at 1,800 HP at 1900 RPM, complete with all standard equipment.

Reverse/Reduction Gears

Twin Disc MGX-6690 SC and MGX-6848 SC reverse / reduction gears and their controls, instruments and alarms.

The propulsion engines and gears shall be supplied with all Classification Society and regulatory certificates.

AC Electrical Plant

Two (2) Cummins diesel generator sets rated at 80ekW, 3-phase, 400 VAC at 50 Hz. Certificates shall be provided for regulatory and class compliance. The generator sets will be capable of being run in parallel.

DC Electrical Plant

The Vessel's DC electrical plant shall consist of properly sized battery banks and associated battery chargers as follows:

- Three (3) nominal 24 V DC battery banks for propulsion engine starting.

-Two (2) nominal 24 V DC battery banks for generator engine starting.

-One (1) nominal 24 VDC battery bank for ship service for the Vessel's critical lighting, power, and emergency /safety systems.

-Two (2) nominal 24 VDC ship service battery banks for the Vessel's electronics.

-One (1) nominal 12 VDC ship service battery banks for the Vessel's electronics.

Newmar or equal, regulatory compliant battery chargers, 230 VAC input, 12 or 24 V DC output.

The DC distribution switchboard shall be fitted with a voltmeter, ammeter and an insulation resistance monitor.

Navigation and Communications systems

Electronic Navigation devices provided for and installed by the builder shall in compliance with flag state and class requirements and include the following:

-One (1) Furuno FCV-627 depth sounder

-One (1) Furuno GP-32 GPS

-One (1) Furuno FR-8062 radar

-One (1) Furuno MFD 12 radar

-One (1) McMurdo E5 EPIRB

-One (1) McMurdo S5 SART

-One (1) Furuno FA-150 AIS

-One (1) GMDSS console package (to include, but not limited to the following):

Two (2) Furuno FM-8900S DSC VHF radios

One (1) Furuno FS-1575 single side band radio

One (1) Furuno Felcom-18 Inmarsat

One (1) Furuno NX-700B Navtex receiver with printer

-One (1) Robertson AP50 auto-pilot

-One (1) Robertson GC80 gyro compass

-One (1) Interschalt 103122 BNWAS

-One (1) Raymarine ST60 anemometer

-Two (2) Sailor SP-3520 GMDSS handheld VHF radios

-Three (3) Entel HT644 portable VHF radios

Airconditioning

Designed for the ambient conditions of 30 deg C. Four (4) Air Handling Units will be provided.

Chiller/Freezer cooling plants consisting of compressor and condenser are located in tank room.

The condensers will be sea water cooled.

Engine Room Ventilation

Two (2) inlet fans of 6.5 m3/sec free air flow and one (1) exhaust fan of 6.5 m3/sec. Demisters on engine room air intakes, and fire dampers to be provided with actuators on main deck.

Fire Fighting System

A powered main fire pump, fire main, hydrants, hoses and nozzles will be fitted which are capable of delivering two jets of water with sufficient pressure to reach any part of the vessel. The main fire pump will be located in the engine room. An isolating valve will be fitted on the fire main just outside the engine room.

A diesel engine driven emergency fire pump located outside the engine room will be provided with its own throw-overboard sea suction hose fitted with a foot valve.

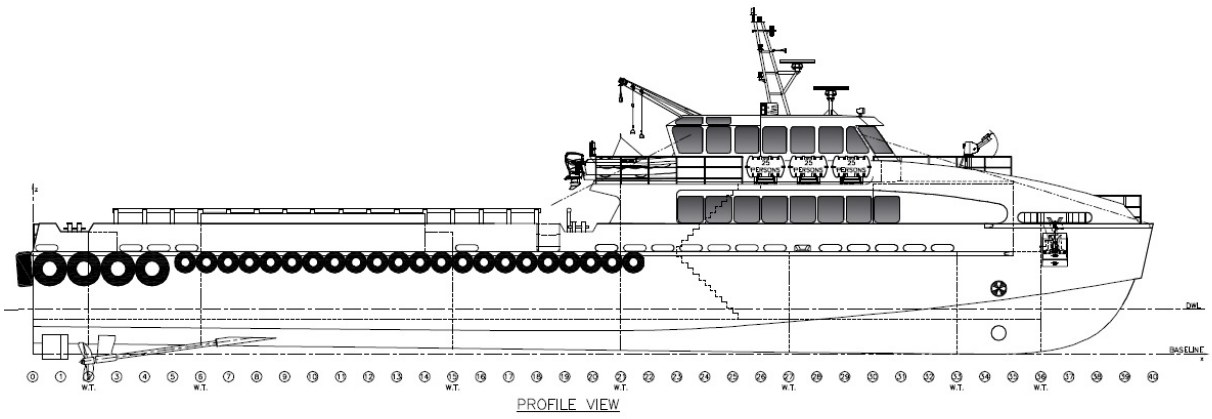
Sufficient quantity, types and sizes of fire extinguishers will be provided throughout the vessel to class requirement.

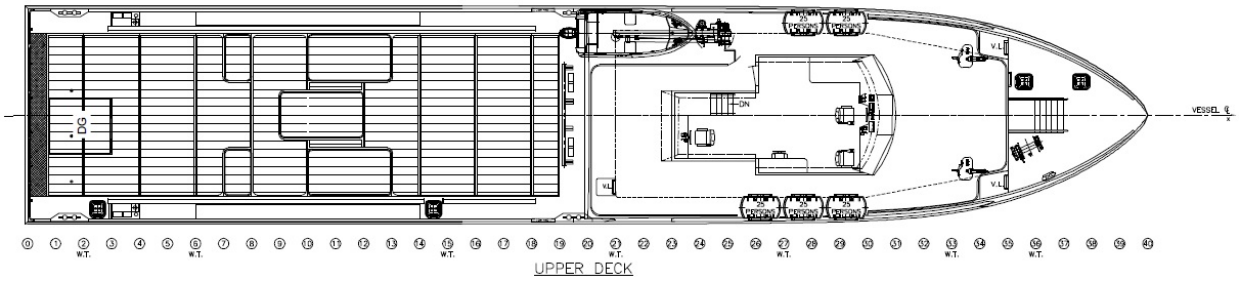
External Fire Fighting System

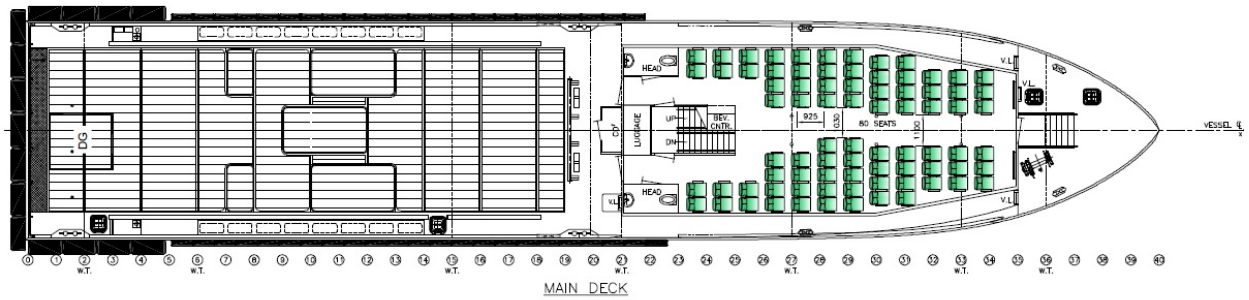
One fire fighting system shall be installed. One (1) 600 m3/hr firefighting monitor, locally operated. One (1) fire fighting pump of 600 m3/hr capacity, with integral clutch driven off the front of the center main propulsion engine.

Oil Dispersant System

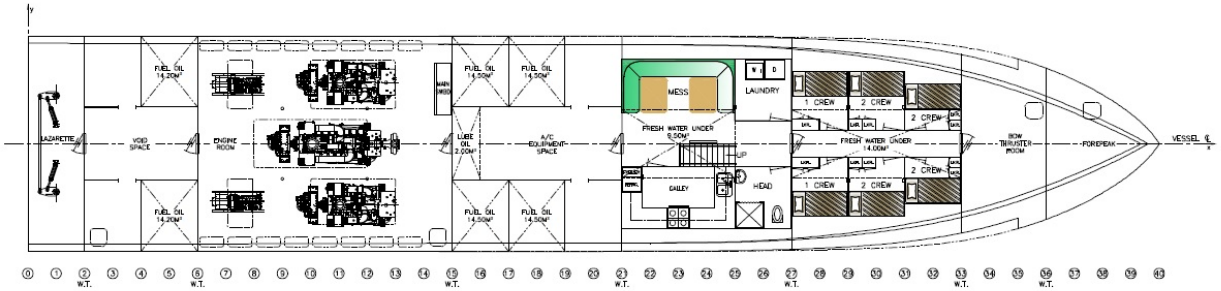
Boomless oil dispersant nozzles and necessary fittings. One (1) 500 ltr dispersant tank will be fitted in engine room. One (1) proportion valve will be fitted on fire main line to mix chemical with seawater and supply to nozzles.



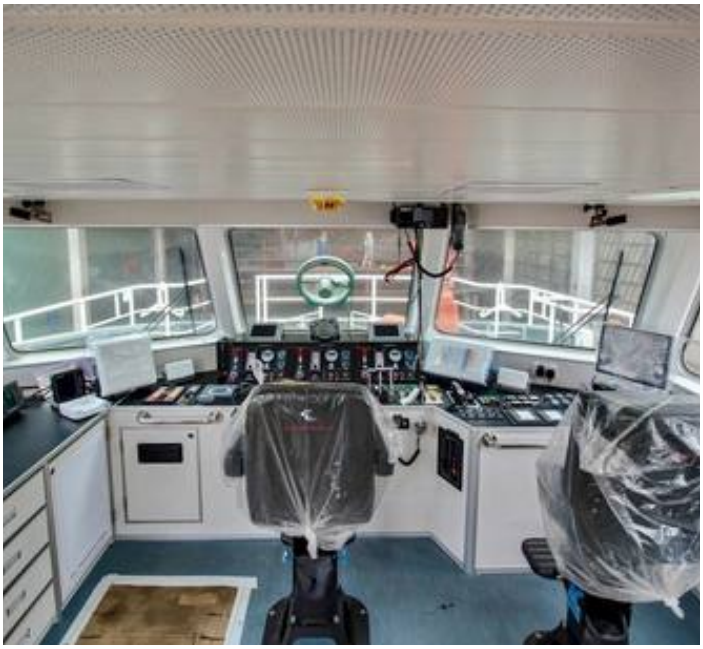




MAIN DECK



BELOW DECK



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