



Delta Multi Craft 1450

PU D5-6

The Delta Multi Craft 1450 is a multi-purpose heavy-duty work boat of rectangular hull form. It is a standard series-built vessel, which guarantees a work boat of proven design, combining excellent performance with operational reliability.

The vessel can be used for a wide range of marine operations in sheltered and shallow waters, including pushing/pulling, buoy handling, dredging support work, ferrying goods and personnel, fuel oil and water supply.

Propulsion is by two main engines, each driving a fixed-pitch nozzle propeller through a reduction gearbox and an in-line shafting arrangement. The twin-propulsion system ensures operational safety and high manoeuvrability.

The hydraulic deck crane is positioned to the centre of the foreship to create a maximum crane-load capacity and optimum free deck space. The wheelhouse is placed portside aft and well inboard to prevent it from being damaged when the work boat is moored alongside high objects on rough seas.

The hull and wheelhouse consist of a welded steel construction. The hull is divided into three watertight compartments: viz. aft peak, engine room and fore peak. An integrated heavy-steel sheer strake around the hull at deck level absorbs impact forces.

The underwater body and propeller arrangement allows the vessel to sit on its own base.

Dimensions

Length overall	14.68m
Breadth	6.00m
Maximum draught	1.30m
Installed power	2x 207kW

Performance

Free sailing speed, approx.	7 knots
Bollard pull, approx.	5.5 tons
Propeller diameter	900mm

Tank capacities

Fuel tank,	9.1m ³ (approx.)
Fuel oil transfer capacity	9.7 + 5.8m ³ (approx.)
Freshwater transfer capacity (optional, instead of part fuel supply capacity)	5.8m ³ (approx.)

Deck crane

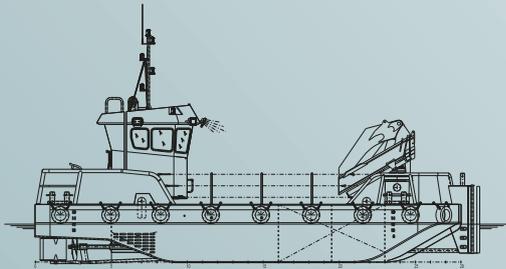
Crane SWL	410kNm
-----------	--------

Anchor handling winch

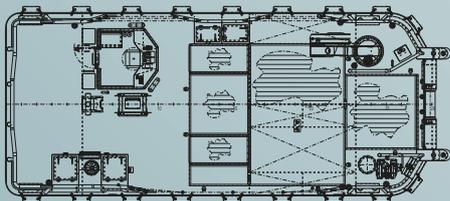
Pulling force	120kN
Holding force	150kN

Classification

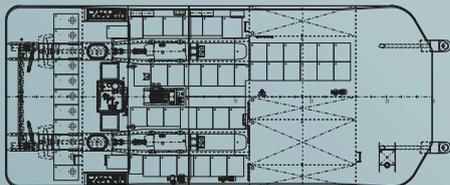
Bureau Veritas Class I X Hull • MACH special service/work-boat coastal area



Side view



Top view



Below main deck view

Wheelhouse and engine room

Two vertical push bows with rubber fender and bollard on top. Reinforced sheer strake. Tyre fendering SB and PS. Double bollards fore and aft. Towing bitt. Lifting lugs. Entrance hatch to engine room. One hatch above each of the two rudders. Flush engine removal deck hatch. Steel mast c/w navigation lights, VHF antenna, halyards. Name and home port stickered. Cathodic protection system. Marine paint system.

Propulsion and steering system

Manoeuvring stand c/w Morse engine/gearbox cable controls, dashboard instrumentation, switchboard, alarm panel. Duplex oil filter system. Main engine connected to gearbox via a flexible coupling. Stainless-steel propeller shafts in stern tubes with fore and after bearings. Electric grease pump for lubricating propeller shafts and rudder bearings. Four-bladed fixed-pitch propellers in steel nozzles with stainless-steel inner ring. Air-inlet system with proper-sized ducting per engine. Single-plate rudders with bulb on trailing edge. Powered/servo-hydraulic steering gear.

Auxiliary system

Electric driven bilge pump. Main engine driven fifi pump. Electric driven fuel transfer pump. Main engine PTO-driven hydraulic power pack for deck crane. Fuel-oil water separator system. Natural ventilation in wheelhouse, fore peak and steering gear compartment. Mechanical ventilation in engine room.

Electrical installation

24V-network DC. Two battery sets each for separate engine start and lighting. 24V-alternator on each main engine can charge either battery bank. 24V-interior lighting. 230/400 VAC 50Hz 10kW generator set.

Deck equipment

Hydraulic deck crane. Wood laid work deck. Removable deck railing on side. Hydraulic anchor winch. Hydraulic anchor handling winch. Bow roller.

Accommodation and services space

Wheelhouse with ceiling/walls insulated and panelled. Skipper chair. Bench in wheelhouse. Floor plates in engine room.

Nautical communications equipment

Searchlight. Air whistle. VHF radio.

Miscellaneous

Four mooring ropes. Life buoy. Basic medical kit. Portable fire extinguishers. Bootsman equipment. Toolkit.

Optional extras

Auxiliary system: air conditioning/heating. Deck equipment: towing hook. Nautical communication equipment: extra navigation equipment and extra communication equipment. Miscellaneous: emergency flares and signals; life jackets; and spare parts.