



Delta Multi Craft 1450

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Alongside our dredging vessels, Royal IHC supplied over 500 standard and custom-built workboats worldwide. Our workboats are available for immediate delivery and every vessel is tested thoroughly before delivery.

The Delta Multi Craft 1450 is a multi-purpose heavy-duty workboat with a rectangular shaped hull.

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

The DMC is of standard design and series built, which guarantees a workboat of proven concept, combining good performance with operational reliability.

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

Due to the flexible mounting of the engine and operating cabin, the operating noise and vibrations of the workboat are incredibly low.

- proven concept
- excellent performance and reliability
- increased capabilities.

Dimensions

Length overall, approx.	14.68m
Breadth overall	6.00m
Maximum draught	1.30m (approx.)
Transport height	4.85m
Transport height (dismantled)	3.80m
Total installed power	2x 207kW

Performances

Free sailing speed	7 knots
Bollard pull	55kN

Tank capacities

Fuel oil day tank	1.4m ³
Fuel oil bunker	24.m ³ (2x 12m ³)

Other features

Anchor handling winch	1x hydraulic
Pulling force	120kN
Holding power	150kN
Deck crane	1x hydraulic
Capacity	410kNm
Max. outreach	10.1m

Classification

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

Hull design

The hull is a welded steel construction divided into three watertight compartments : aft peak, engine room and fore peak.

- integrated heavy-sheer strake around the hull
- two vertical push bows with rubber D-fenders
- fendering protection around entire vessel
- four lifting lugs
- fixed engine room entrance with staircase
- flush engine service hatch
- cathodic protection
- marine paint system.

Deck equipment

DMC is well equipped to suit as a dredging support vessel.

- hydraulic deck crane, positioned off-center starboard fore ship
- hydraulic deck winch for easily handling anchors and floating pipelines
- hydraulic anchor handling winch
- bow roller integrated between push bows
- robust recycled Fiberglass synthetic work deck
- removable deck railing on both sides
- double bollards fore and aft on each side
- crossbeam type towing bit
- 75kg HHP pool anchor.

Propulsion and steering system

Double propulsion system ensures operational safety and high maneuverability.

- CAT marine diesel engines rated 207kW with marine reduction gearbox
- engine connected to gearbox via elastic coupling.
- sea water cooling system
- stainless steel propeller shafts in stern tubes with fore and aft bearings
- fixed pitch propeller steel nozzles
- single-plate rudders with bulb on trailing edge.

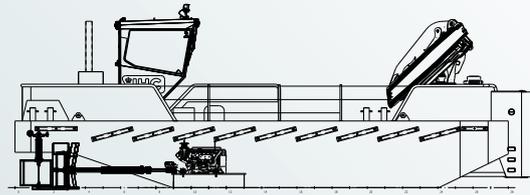
Auxiliary systems

- main engine driven hydraulic power pack for deck crane and winch
- main engine driven FiFi pump
- electric grease pump for lubricating propeller shafts and rudder bearings
- forced engine room ventilation
- electric driven fuel transfer and bilge pumps
- duplex fuel oil water separator filter.

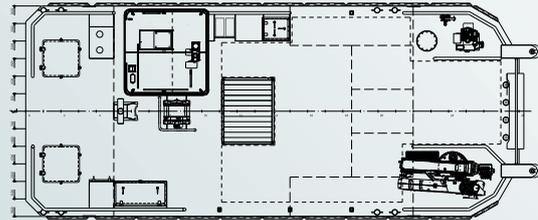
Electrical installation

The DMC is provided with 230V AC and 24V DC installation.

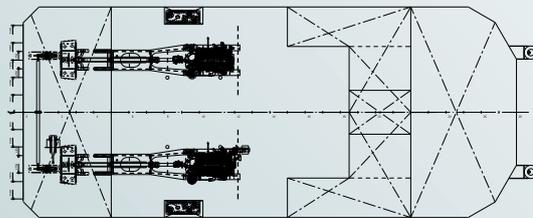
- 230V AC 50Hz 10kW diesel generator with 230V distribution panel
- 24V DC distribution panel
- Four 220 ah accumulator battery sets for engine/generator start and lighting
- 24V alternator on each engine for battery charge
- 24V lighting.



Side view



Top view



Below main deck view

Operating cabin

Steel and glass operating cabin is flexibly mounted portside aft to provide a good view in all directions.

- large front window with wiper
- insulation on inside of steel panels
- searchlight and horn
- steel mast with navigation lights
- VHF radio.

Operations monitoring system

24/7 fleet monitoring provides insight in:

- operational indicators such as bunker tank fuel level measurement
- fuel consumption and performance
- location
- alarms and notifications.

Support can be requested from Royal IHC based on asset.

Optional equipment

Following options are available upon request:

- auxiliary system
- air-conditioning for the operating cabin
- towing hook
- remote wireless control for crane and winch
- extra navigation and communication equipment
- emergency Flares and signals; life jackets; and spare parts.