



Delta Multi Craft 1050

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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 1050 is a multi-purpose heavy-duty workboat with a rectangular shaped hull.

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.

For ease of transport the cabin can be easily dismantled and the vessel can be loaded onto a single truck. This enables the DMC to work alongside our dredgers all over the world.

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
- transportable by truck.

Dimensions

Length overall, approx.	10.8m
Breadth overall	4.20m
Maximum draught	0.90m (approx.)
Transport height	4.85m
Transport height (dismantled)	3.80m
Total installed power	195kW

Performances

Free sailing speed	7 knots
Bollard pull	20kN

Tank capacities

Fuel oil day tank	0.275m ³
Fuel oil bunker	10.6m ³

Other features

Anchor handling winch	1x hydraulic
Pulling force	25kN
Holding power	30kN
Deck crane	1x hydraulic
Capacity	80kNm
Max. outreach	7.5m

Hull design

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

- 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 of the fore ship to allow maximum crane load capacity and free deck space
- hydraulic deck winch for easily handling anchors and floating pipelines
- bow roller integrated between push bows
- removable deck railing on both sides
- six single bollards fore and aft on each side
- crossbeam type towing bit
- 32kg HHP Pool anchor.

Propulsion and steering system

Single propulsion system ensures operational safety and high maneuverability.

- Volvo Penta marine diesel engine rated 195kW with marine reduction gearbox including clutch and thrust bearing
- engine connected to gearbox via elastic coupling
- sea water cooling system
- stainless steel propeller shaft in stern tube with fore- and aft bearings
- fixed pitch propeller
- double plated fishtail rudder.

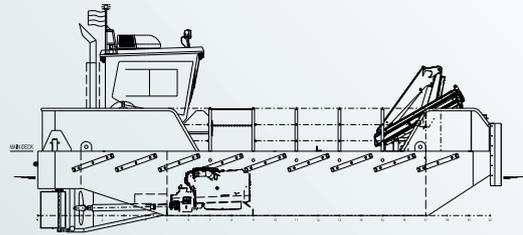
Auxiliary systems

- gearbox driven hydraulic power pack for deck crane and winch
- 230V fuel transfer pump with auto stop discharge pistol on 10m hose, 160 l/min
- forced engine room ventilation with louver ducts air inlet
- hand-operated bilge pump
- duplex fuel oil water separator filter.

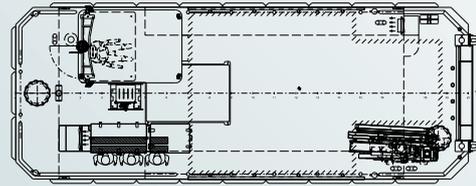
Electrical installation

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

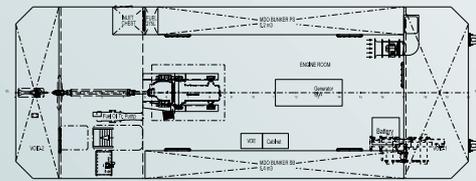
- 230V AC 50 Hz 9.9 kW diesel generator with 230V distribution panel
- 24V DC distribution panel
- two 220 ah accumulator batteries for engine start and lighting
- 24V alternator on engine can charge battery bank
- 24V lighting.



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
- starboard window slides open for natural ventilation in the cabin
- insulation on inside of steel panels
- searchlight and horn
- steel mast with navigation lights.

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:

- air-conditioning for the operating cabin
- robust recycled fiberglass reinforced synthetic work deck with several lashing points
- remote wireless control for crane and winch
- environmentally friendly sealed propeller shaft with automatic grease pump
- spare parts kit.