SPECIFICATION SHEET

# COMBIFLOAT C-9.5

## SELF ELEVATING PLATFORM

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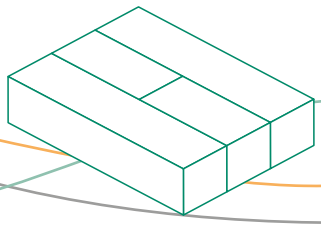
### C-9.5 SELF ELEVATING PLATFORM

The C-9.5 Self-Elevating Platform, currently the biggest of the Combifloat self elevating platforms, is the perfect partner for heavy duty jetty- and breakwater construction works, near shore oil & gas drilling and as accommodation platform. The C-9.5 Platform can take deck loads up to 1000 mT, offers a large free deck area of approximately 910M² and with her spudlegs of 58m can work in water depths up to 45m, subject to environmental conditions. The platform has a central control system allowing the platform to be lifted and lowered synchronously and is delivered with IACS class notation.



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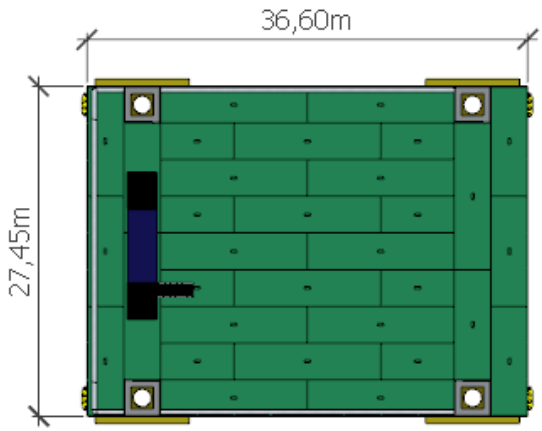


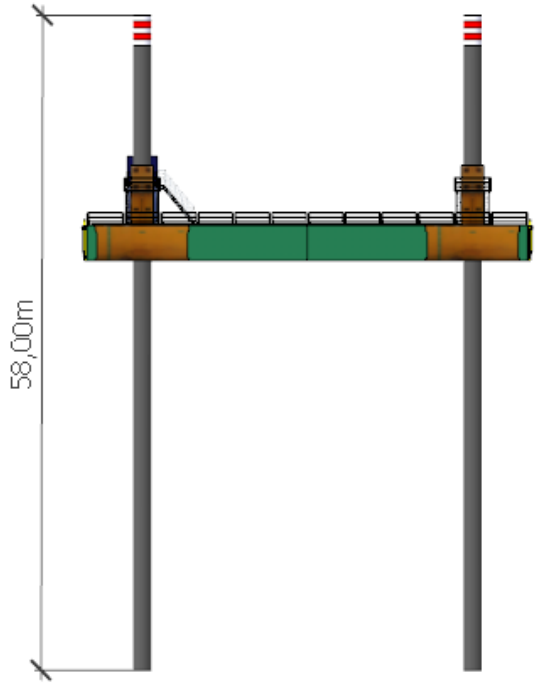


**General**

| | |
|---|---|
| Type | C-9.5 Modular Self-Elevating Platform |
| Class | Optional Bureau Veritas/DNV-GL |

**Main dimensions**

| | |
|---|---|
| Length | 36.60 m |
| Breadth | 27.40 m |
| Depth | 2.91 m |
| Free deck area | 910 $m^2$ |

**Loads**

| | |
|---|---|
| Variable load (elevated) | 1000 mT, subject free spud length, horizontal load and environmental conditions |
| Deck strength | 15 $mT/m^2$ |

**Jacking system**

| | |
|---|---|
| Leg length | 58.0 m, extension possible |
| Free length below hull | 48.0 m |
| Leg diameter | 75” |
| Spudcan diameter | 6.0 m (optional) |
| Jacking Type | Hydraulic, mechanically engaged |
| Jacking speed | 14 m/hr |
| Jacking capacity | 600 mT/leg |

**Mooring System**

| | |
|---|---|
| Winches | 4 x 23 mT pull hydraulic winches |

**Installation conditions**

| | |
|---|---|
| Maximum wave height $H_{max}$ touching (depending on soil conditions) | 1 - 1.4 m * |

**Operational conditions**

| | |
|---|---|
| Maximum wave height $H_{max}$ | 3.0 - 6.0 m * |
| Wind speed | 50.0 km/hr |
| Current | 1 m/s |

**Survival conditions**

| | |
|---|---|
| Maximum wave height $H_{max}$ | 3.0 - 8.0 m * |
| Wind speed | 120.0 km/hr |
| Current | 1 m/s |

* Indicated values are conservative and may vary pending actual site conditions. We will be pleased to check feasibility and suitability for your specific project conditions.

# C-9.5 SELF ELEVATING PLATFORM

## General

The platform is supported by four (4) 75“diameter spud legs, each one individually operated by four synchronized hydraulic cylinders mounted in heavy duty spudwells. Specific capacity of each spudwell is 600 mT. Spuds are delivered including two spud joints, separating the spud in three parts for ease of transportation. The platform consists of a number of standardized floating modules coupled together through a male pin / female connection system. Modules are sized to be easily transportable by road, train or ship. Specific deck point load of each module is 15 mT/m2. Due to its modular design, overall dimensions can be adapted to customer needs.

## Jacking System

The jacking mechanism consists of two hydraulically operated crossheads per spudwell, to lock and unlock the spud from vertical movement.
Vertical movement is accomplished by four (4) hydraulic heavy duty cylinders with a stroke of 1,2 m working on an operating pressure of 140 bar.

The four (4) spudwells are powered by a containerized hydraulic power pack, for simultaneously lifting and lowering the spud legs through its seating. The power packs are silenced, with two 244 kW radiator cooled diesel engine driving a flywheel mounted tandem pump.

A central control system built in a central deck house operates the hydraulic control valves for synchronous lifting, with spare hydraulic connectors for either emergency use or for further use of hydraulic powered deck equipment, like winches/cranes etc.

## Deck Equipment

A safety railing is provided around the platform with sufficient access for operating the spudwells and space for working the mooring ropes.

Four (4) hydraulic operated winches built on removable foundation with following specifications:

| | |
|---|---|
| Pulling force each one | : 23 mT on first layer |
| Holding force | : 26 mT |
| Pulling speed | : 9 m/min |
| Drum capacity | : 264 m Ø 32mm in 4 layers |

Fairleads and deck sheaves for cable guidance are provided on deck.