

COMBIFLOAT C-9

SELF ELEVATING PLATFORM

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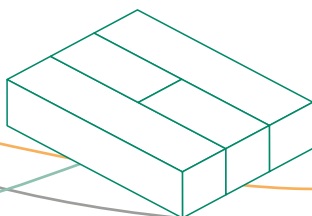
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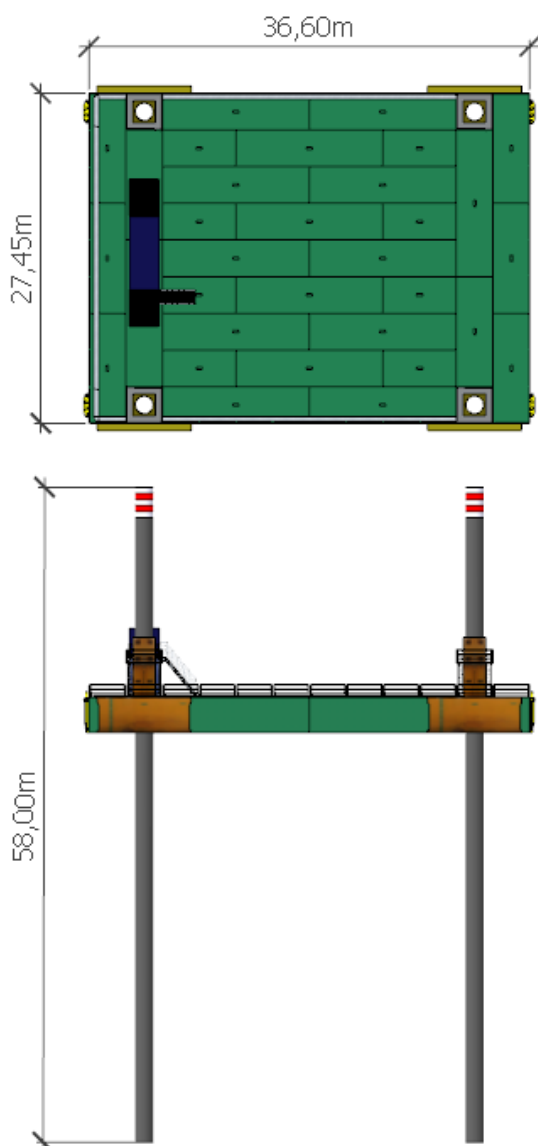


C-9.5 SELF ELEVATING PLATFORM

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.



C-9.5 SELF ELEVATING PLATFORM



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 m²

Loads

Variable load (elevated) 1000 mT, subject free spud length, horizontal load and environmental conditions
 Deck strength 15 mT/m²

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.

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