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# COMBIFLOAT C-5

## SELF-ELEVATING PLATFORM



### VERSATILE AND HEAVY-DUTY PLATFORM

The modular C-5 Self-Elevating Platform is the ideal jack-up platform for construction and geotechnical works in coastal and inland waters. The design provides a platform for lighter and smaller spreads of equipment.

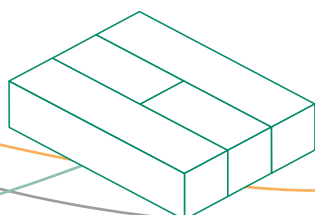
With a 100 ton variable deck load capacity and 15 ton/m<sup>2</sup> deck strength, the C-5 is the platform of choice for geotechnical companies. Over 250 m<sup>2</sup> deck space is usable without obstructions. The deck layout can be fully tailored to client's mission equipment and operating method.

To facilitate drilling operations, moonpools or drill slots can be created. This can easily be done by shifting pontoons during assembly or by integrating a drilling slot in a pontoon.

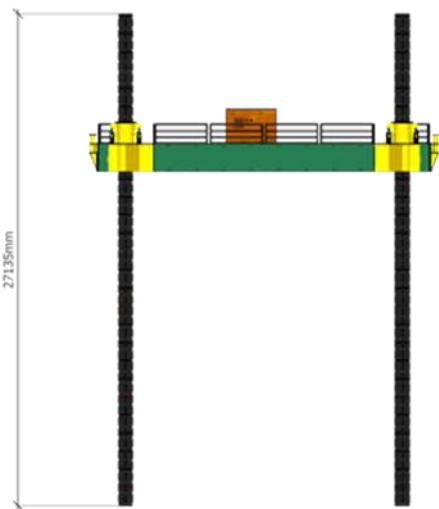
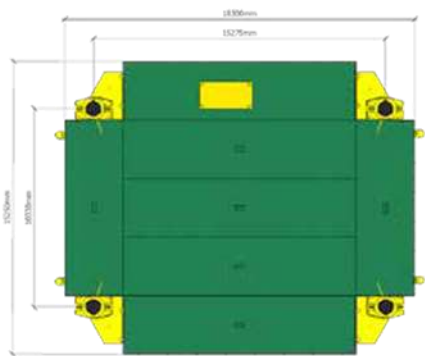
Depending on soil penetration and waves, the platform can cover water depths up to 23 meter, with extensions possible in a moderate environment.

### MAXIMIZING WORKABILITY

With highly qualified and specialized in-house engineers, Combifloat offers various engineering services to guide and support clients on operational and environmental matters when using the platform. Combifloat engineers are available in all stages of your project, from tendering, project preparation and throughout the entire execution phase.



# C-5 SELF-ELEVATING PLATFORM



## General

Type  
Class (optional)

C-5 Modular Self-Elevating Platform  
Bureau Veritas or DNV – GL

## Dimensions

Length  
Breadth  
Depth  
Free deck area

18.30 m  
15.25 m  
1.52 m  
250 m<sup>2</sup>

## Loads

Variable deck load  
Deck strength

100 mT  
15 mT/m<sup>2</sup>

## Jacking system

Jacking type  
Jacking speed  
Jacking stroke  
Jacking capacity  
Power

Hydraulic, mechanical engaged  
14 m/hr full cycle, complete platform  
1.22 meter  
80 mT/leg  
104 kW, two diesel-hydraulic pump sets

## Spud legs

Leg length  
Free length below hull  
Leg diameter

27.00 m extendable  
23.00 m  
0.76 m

## Operational conditions

Maximum wave height  $H_{max}$   
Wind speed max  
Current

2 m \*  
50 km/hr  
1 m/s

## Survival conditions

Maximum wave height  $H_{max}$   
Wind speed  
Current

3 m \*  
120 km/hr  
1 m/s

\* Indicated values will vary pending actual site and payload conditions.



# C-5 SELF-ELEVATING PLATFORM



## Configuration

The platform consists of a number of standardized floating modules coupled together through a male / female connection system. The platform is supported by four spud legs in heavy duty spud wells. The hydraulic power unit can be located flexibly on the platform

## Modular design

All platform components are sized to be easily transportable by road, rail or sea. Due to the modular design, overall dimensions and spud legs length can be adapted to customer needs.

## Jacking System

The jacking mechanism consists of two hydraulically operated crossheads per spud well, to lock and unlock the spud for vertical movement. Vertical movement is accomplished by four hydraulic heavy duty cylinders with a stroke of 1.22 meter, working on an operating pressure up to 140 bar.

The power pack is silenced, with a 104 kW radiator cooled diesel engine driving a variable displacement piston pump. Manually controlled valves are provided, easily accessible, with spare hydraulic connectors for either emergency use or for further use of hydraulic powered deck equipment, like winches or cranes.

## Moonpool(s) for drilling

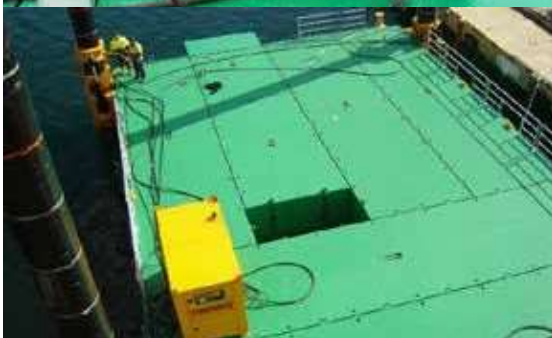
A moonpool of 3,05 x 1,52m can be easily created by shifting floats during the assembly of the platform and come at no additional costs. Optionally a 500mm drill slot can be included in one or more floats.

## Optional

- Spud cans
- 4-point Mooring system
- Leg extensions
- Boat landing
- Propulsion
- Welfare (day room) container
- Mission Equipment
- Jetting system
- IACS classification

## QHSE Standards

ISO9001:15001, ISO 14001:2015, ISO 45001-2018



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05 August 2020-21 July 2020