

COMBIFLOAT C-5

Combifloat Systems B.V.

Rivium Quadrant 75, 8th floor
2909 LC Capelle aan den IJssel
The Netherlands

T +31 (0)10 437 08 11

E engops@combifloat.com

I www.combifloat.com

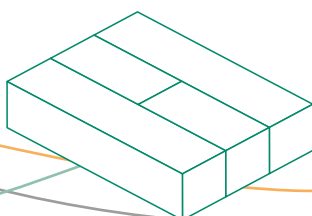
SELF ELEVATING PLATFORM



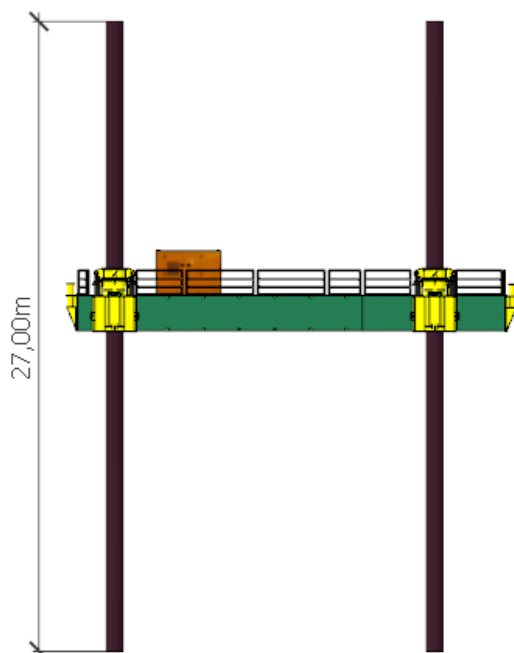
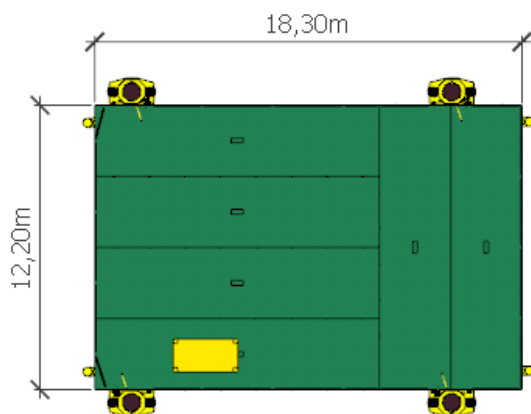
C-5 SERIES SELF ELEVATING PLATFORM

The C-5 Series Self-Elevating Platform predominantly operate in the geotechnical arena, so in coastal and inland waters. The platform allows for approx. 80-100 mT deck load and has standard spuds of 27m length, extendable to approximately 32m.

Due to the modular structure the Combifloat units are easy and cost effective to transport by road or ship. Drilling slots or moonpools to facilitate the drilling works can easily be created by shifting pon-toons during the assembly of the platform or integration of a drilling slot in one or more pontoons.



C-5 SELF ELEVATING PLATFORM



General

Type

C-5 Modular Self-Elevating Platform

Class

Optional Bureau Veritas/DNV – GL

Main dimensions

Length

18.3 m (or 15.25 m)

Breadth

15.25 m (or 18.30 m)

Depth

1.52 m

Free deck area

250 m² (or 290 m²)

Loads

Variable load

80 mT, subject free spud length horizontal load and environment conditions

Deck strength

15 mT/m²

Jacking system

Leg length

27.0 m extension possible

Free length below hull

23.0 m

Leg diameter

30"

Spudcan diameter

2.5 m (optional)

Jacking type

Hydraulic, mechanical engaged

Jacking speed

14 m/hr

Jacking capacity

80 mT/leg

Mooring System

Winches

Optional

Installation conditions

Maximum wave height H_{max} for leg touching (depending on soil conditions)

0.5 - 0,7 m *

Operational conditions

Maximum wave height H_{max}

2.0 m *

Wind speed

50.0 km/hr

Current

1 m/s

Survival conditions

Maximum wave height H_{max}

3.0 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 your specific project conditions.

C-5 SELF ELEVATING PLATFORM



General

The platform is supported by four (4) 30" diameter spud legs, each one individually operated by two (2) synchro-nized hydraulic cylinders mounted in heavy duty spud-wells.

Due to its modular design, the platform consists of a number of standardized floating modules coupled to-gether through a male pin / female connection system. Modules are sized to make them transportable by road.

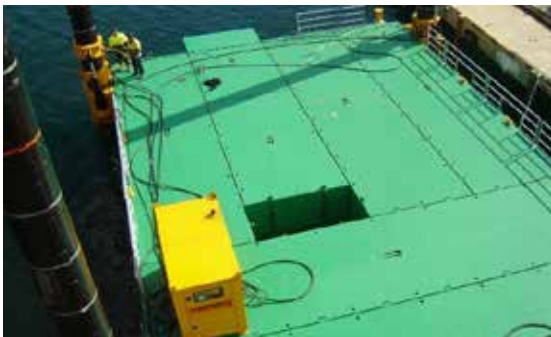


Jacking System

The jacking mechanism consists of two manually operated crossheads per spudwell, to lock and unlock the spud from vertical movement.

All four spudwells are powered by one hydraulic power pack for simultaneous lifting and lowering the spud legs through its seating. 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/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.

Optionally hydraulic operated mooring winches can be delivered for mounting on deck



Moonpool(s) for geotechnical drilling

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.

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