POSEIDON JACKUP

AN MES COMPANY

MES-C5 | SELF-ELEVATING PLATFORM

Versatile and Heavy-Duty Platform

The MES-C5 Modular Self-Elevating Platform is the ideal jackup platform for construction and geotechnical works in coastal and inland waters. The design provides a platform for lighter and smaller spreads of equipment.

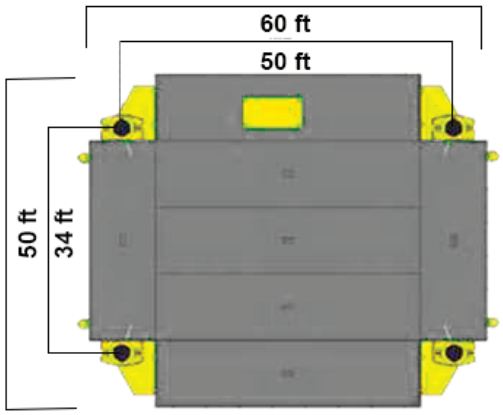
With a 110 US ton variable deck load capacity and 3,070 lb/ft^2 deck strength, the MES-C5 is the platform of choice for geotechnical companies. Over 2,700 ft^2 deck space is usable without obstructions. The deck layout can be fully tailored to client's mission equipment and operating method.

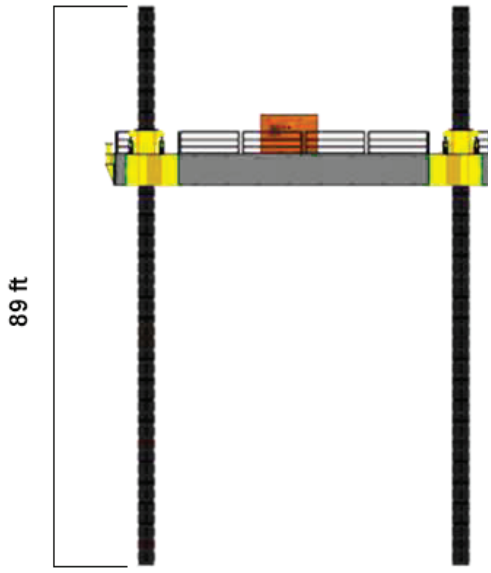
To facilitate drilling operations, moonpools or drill slots can be created. This can easily be done by shifting pontoons during assembly or by integrating a drilling slot in a pontoon.

Depending on soil penetration and waves, the platform can cover water depths up to 75 ft, with extensions possible in a moderate environment.

Maximizing Workability

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





GENERAL	
Type	MES-C5 Modular Self-Elevating Platform
Class (Optional)	RINA
DIMENSIONS	
Length	60 ft
Breadth	50 ft
Depth	5 ft
Free Deck Area	2,700 ft^2
LOADS	
Variable Deck Load	110 US Tons (Short Tons)
Deck Strength	3,070 lbs / ft^2
JACKING SYSTEM	
Jacking Type	Hydraulic, Mechanical Engaged
Jacking Speed	46 ft per hr (Approx. 9 inches per minute)
Jacking Stroke	4 ft
Jacking Capacity	88 US Ton per Leg
Power	2x 140 HP Hydraulic Pump Sets
SPUD LEGS	
Leg Length	89 ft extendable
Free Length Below Hull	75 ft
Leg Diameter	30 in
OPERATIONAL CONDITIONS	
Maximum Wave Height $_{Hmax}$	7 ft*
Wind Speed Max	30 MPH
Current	2 Knots
SURVIVAL CONDITIONS	
Maxium Wave Height	10 ft*
Wind Speed	75 MPH
Current	2 Knots

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

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 4 ft, working on an operating pressure up to 2,030 psi.

The power pack is silenced, with (2) 140 HP Hydraulic Pump Sets, 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 10 ft x 5 ft can be easily created by shifting floats during the assembly of the platform and come at no additional costs. Optionally a 20 inches 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