



## VESSELS Renewables

### Our Values



Safety



Integrity



Sustainability



Performance



Collaboration



Innovation



seaway<sup>7</sup>

# Seaway Moxie

## Vessel Info

*Full specification overleaf*

**Seaway Moxie** is an installation support vessel designed and equipped to allow quick and safe 'walk to work' access to offshore installed assets such as offshore wind farms.

- Length 74m x breadth 17m
- Deck area 190m<sup>2</sup>
- 3D motion-compensated extendable boom crane
- Offshore access gangway transfer system
- Accommodation for 60 persons

## Fast Facts

- 5t 3D motion compensated offshore crane
- Active motion-compensated (AMC) Gangway System
- Award winning vessel design
- Ability to work in significant wave heights up to 3.5m



## Seaway Moxie

### General Information

Type Classification	<b>Offshore Service Vessel DNV *1A1 with the following class notations: SF, E0, BIS, DYNPOS-AUTR, CLEAN DESIGN, COMFV(3), NAUT-OSV (A), SPS. IMO MSC.266(84) - Code for Special Purpose Ships, 2008.</b>
Flag	<b>Isle of Man</b>

### Principal Dimensions

Length overall	<b>74m</b>
Length between perpendiculars	<b>70.7m</b>
Breadth	<b>17m</b>
Depth from deck	<b>8m</b>
Maximum draft	<b>4.6m</b>
Design draft	<b>6.0m</b>
Deck load	<b>500t, 5t/m<sup>2</sup></b>
Deck space	<b>190m<sup>2</sup></b>
Gross tonnage	<b>4,367</b>
Net tonnage	<b>1,311</b>

### Power and Propulsion

Main Propellers	<b>2x Voith Schneider ECS Propellers and Cycloidal</b>
Rudders and associated transmission	
Power	<b>1,850kW approx.</b>
Motor speed	<b>0 – 1,200rpm</b>
Blade orbit diameter	<b>2,800mm</b>
Blade length	<b>2,340mm</b>
No. of blades:	<b>5</b>

### DP Systems

The vessel is equipped with a DP-2 (Dynpos AUTR) system comprising the following reference system and sensors:

- 2x Wind sensors with heating**
- 3x Motion Reference Units (x-y direction)**
- 2x Differential GPS Systems**
- 1x Cyscan Laser Reference System**
- 1x Radarscan Relative Position Sensor**

### Cranes

Macgregor 3D motion compensated crane	
Capacity	<b>SWL 5t at 25m outreach</b>
Hook height	<b>30m above sea level</b>

### Anti-Heel System

Active anti-heeling system	
Wing tanks	<b>2x</b>
Pump with electric motor	<b>1x capacity approx. 400 m<sup>3</sup>/h</b>

### Safety System

Fast Rescue Crafts	<b>2x with aluminum hull, inboard diesel engine and water jet propulsion basin</b>
Single-point davit LARS	<b>2x inclusive of active heave compensated winch system for Fast Rescue Crafts</b>
Life rafts	<b>6x, 35 persons each, 3 on each side</b>

The vessel has safety equipment according to SOLAS and flag state requirements.

### Workability

The vessel has been designed and has proven its ability to operate in up to 3.5m significant wave height, both for personnel transfers via gangway and cargo transfers using its specialized crane within its area of operation.

### Transfer Gangway

An uptime-supplied motion compensated gangway (transfer system) is installed on the C-deck mid-ship. The transfer system is based on an active motion compensated gangway system and can work in various modes.

Access to the transfer system is arranged directly from the C-Deck on a permanent basis thus allowing for easy and safe access of personnel.

### Accommodation

Berths	<b>60 person</b>
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