



VESSELS  
Renewables

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

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## GENERAL INFORMATION

Type	Offshore Service Vessel
Classification	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
Built	Fjellstrand, Norway, 2014
Flag	Isle of Man

## PRINCIPAL DIMENSIONS

Length overall	74m
Length between perpendiculars	70.7m
Breadth	17m
Depth from deck	8m
Maximum draft	6.4m
Design draft	6.0m
Deck load	500t, 5t/m <sup>2</sup>
Deck space	190m <sup>2</sup>
Gross tonnage	4,367
Net tonnage	1,311

## POWER AND PROPULSION

MTU main engines	2x 1,840kW each @1,800rpm
MTU main engines	2x 1,380kW@1,800rpm
Voith Schneider main propulsion thrusters	2x 1,850kW
Brunvoll azimuth thruster	1x 850kW
2x Brunvoll tunnel thrusters	2x 1,200kW

## TANK CAPACITIES (100%)

Fuel Oil	955.69m <sup>3</sup>
Lubricating Oil	32.78m <sup>3</sup>
Fresh Water	779.80m <sup>3</sup>
Ballast Water	1,876.91m <sup>3</sup>
Technical Water	1,876.91m <sup>3</sup>

## SPEEDS / FUEL CONSUMPTION

Maximum Speed	11.0 knots
Economic Speed	9.0 knots
Economic Speed Fuel Consumption	20.5m <sup>3</sup> /day

## CRANES

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

## 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

## ANTI-HEEL SYSTEM

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

## SAFETY SYSTEM

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

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 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	60 person
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