



VESSELS
Renewables

seaway⁷



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 190m²
- 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



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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	4.6m
Design draft	6.0m
Deck load	500t, 5t/m ²
Deck space	190m ²
Gross tonnage	4,367
Net tonnage	1,311

POWER AND PROPULSION

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

VESSEL SPEEDS AND FUEL CONSUMPTION

Maximum Speed	10.0 knots
Economic Speed	8.0 knots
Economic Speed Fuel Consumption (m3/day)	19.7 metric tonne

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 ³ /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
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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	60 person
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