

TECHNICAL SPECIFICATIONS

Wind Turbine Installation Vessel (WTIV) A-class

PRINCIPAL DIMENSIONS

Length overall ex. crane	162.0 m
Breadth	60.0 m
Transit Speed	11.0 kts

OPERATING CONDITIONS - ELEVATED

Variable Load	> 17,000 t
Operating Water Depth	> 70 m

ACCOMMODATION

130 persons

POWER

Main power	21.6 MW Gensets 5.2 MWh battery
------------	------------------------------------



TECHNICAL SPECIFICATIONS

Wind Turbine Installation Vessel (WTIV) A-class

CLASS/NOTATIONS

DNV

FLAG

Denmark

TANK CAPACITIES

Marine gas oil	3,300 m ³
Fresh water - potable	700 m ³

LEGS & JACKING SYSTEM

Number of legs	4 sets of triangular truss type
Jacking System	Opposed Rack & Pinion
Leg Length	119.0 m
Speed	>1.8 m/min: Raising/Lowering Legs > 1.0 m/min: Raising/Lowering Hull

MAIN CRANES

Main Hoist	To be disclosed
Hook height above deck	180 m (200 m with extended boom)
Max. operating wind speed	20 m/s (1. min.)

THRUSTERS

Type	Azimuth and tunnel thrusters
Power	4 x 4 MW Azimuth 2 x 2.2 MW Retractable 3 x 3.0 MW Tunnel thrusters

DYNAMIC POSITIONING SYSTEM

Type	DP2
------	-----

CARGO AREA

Main Deck Area	5,600 m ²
Deck Loading	15 t / m ²

HELICOPTER LANDING DECK

D-value (max.)	22.8 m
Weight (max.)	15.6 t

Suitable for Sikorsky S92A, Sikorsky S61N and AugustaWestland AW101