

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	> 18,000 t
Operating Water Depth	> 70 m

ACCOMMODATION

130 persons

POWER

Main power	21.6 MW Gensets 5.2 MWh battery
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CLASS/NOTATIONS

1A Self-elevating Wind turbine installation unit, Crane Unit, Battery(Power), Clean(Design, Tier III), COMF-MOU(C-3, V-3), Crane-offshore, Cyber secure(+), DYNPOS(AUTR), E0, Fuel ready(L-FL[AEc; D; MEc; P; S; Tj]), HELDK, LCS, Shore power, SPS, ER(SCR)

FLAG

Denmark

TANK CAPACITIES

Marine gas oil	3,300 m3
Fresh water - potable	735 m3

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 CRANE

Main Hoist	>3,300 t @ R39 m
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
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CARGO AREA

Main Deck Area	5,600 m2
Deck Loading	15 t /m2

HELICOPTER LANDING DECK

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

Suitable for Sikorsky S92A, Sikorsky S61N and AugustaWestland AW101