

TECHNICAL SPECIFICATIONS

Wind Turbine Installation Vessel (WTIV)

Wind Ally



CADELER

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PRINCIPAL DIMENSIONS

Length hull	152.2 m
Breadth, moulded	60.0 m
Depth to main deck	12.0 m
Draught hull, max VDL	~8.1 m
Max. design speed	~11.0 kn

GENERAL

Delivery	2025
Shipbuilder	COSCO Heavy Industries
Flag	Denmark

OPERATING CONDITIONS - ELEVATED

Payload, jacking up to	~18,000 t
Water depth	~10 - 70 m

ACCOMMODATION

Max. Capacity	130 People Onboard
Cabins	44 Single Cabins 43 Double Cabins
Recreation Facilities	TV/Cinema/Gaming lounge Fitness facility Internet Café with printing facilities Sauna Recreation room (reading, ping pong, football)
Offices	4 Multi-use Offices (3-5 desks per office)

CLASS

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

TANK CAPACITIES

Marine gas oil	~3,300 m³
Fresh water - potable	~735 m³
Water ballast	~17,400 m³

LEGS & JACKING SYSTEM

Leg Length	119.0 m
Max. Leg below hull	87.0 m
Number of legs	4 sets of triangular truss type
Jacking System	Electric rack and pinion
Speed, hull lifting	1.0 m/min

MAIN CRANE

Main Hook SWL	>3,300 t @ R39 m
Whip Hook SWL	550 t @ R124 m

AUXILIARY CRANES

Aux Crane 1	40 t @ R50 m
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THRUSTERS

Azimuth Stern Thruster	4 x 4 MW
Bow Retractable Azimuth Thruster	2 x 2.2 MW
Bow Tunnel Thruster	3 x 3.0 MW Tunnel

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	22.8 m
Max Weight	15.6 t