

TECHNICAL SPECIFICATIONS

Wind Turbine Installation Vessel (WTIV)

Wind Peak



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	2024
Shipbuilder	COSCO Heavy Industries
Flag	Denmark

OPERATING CONDITIONS - ELEVATED

Payload, jacking up to	~18,300 t
Water depth	10.0 - 70.0 m indicatively

ACCOMMODATION

Max. Capacity	130 People Onboard
Cabins	44 Single Cabins, 43 Double Cabins
Recreation Facilities	Internet café with printing facilities, TV lounge, cinema and gaming facilities, Fitness room, Reading room, Sauna
Offices	4 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; Ti]), HELDK, LCS, Shore power, SPS, ER(SCR)
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TANK CAPACITIES

Marine gas oil	~3,400 m³
Fresh water - potable	~ 750 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 & Pinion
Speed, hull lifting	1.0 m/min

MAIN CRANE

Main Hook SWL	2,600 t @ 47.0 m
Whip Hook SWL	550 t @ 123 m

AUXILIARY CRANES

Aux Crane 1	40.0 t @ 50.0 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

DYNAMIC POSITIONING SYSTEM

Type	DP2
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CARGO AREA

Main Deck Area	5,600 m²
Deck Loading	15.0 t /m²

HELICOPTER LANDING DECK

D-value	22.8 m
Max Weight	15.6 t