

# TECHNICAL SPECIFICATIONS

Wind Turbine Installation Vessel (WTIV)

## Wind Ace



**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    | 2026 (Newbuild)        |
| 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<br>43 Double Cabins                                                                                                        |
| Recreation Facilities | TV/Cinema/Gaming lounge Fitness facility<br>Internet Café with printing facilities, Sauna<br>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; Ti]), 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 |
|-------------|--------------|

### 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 |
|------|-----|

### 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 |