

2018 | 146 m | 800 T Crane Capacity
Self-Elevating Offshore Wind Turbine Service Vessel
For P&C Sale



General Information

Parameter	Specification
Class Classification	CCS *CSA Box On Bottom Offshore Wind Turbine Service Unit, IWS, Loading Computer (S.I.D), Lifting Appliance

Dimensions and Capacities

Parameter	Specification
Total Length	146.15 m
Width	40.00 m
Depth	10.75 m
Design Draft	5.5 m
Structural Draft	7.5 m
Working Depth of Bottom	5.0 m to 9.5 m
Floating Crane Operating Depth	5.5 m to 200.0 m
Gross Tonnage	21,553 t
Net Tonnage	6,465 t
Empty Ship Weight	14,000 t
Deck Load	15 t m ⁻²
Crane	800 t
Effective Deck Area	3,100 m ²
Fuel Tank Capacity	1,950 m ³
Diesel Tank Capacity	380 m ³
Fresh Water Capacity	2,220 m ³
Ballast Water Capacity	44,100 m ³

Accommodation and Endurance

Parameter	Specification
POB	240 persons
Bed Capacity	222 persons
Helicopter Platform	D21 m, 12.0 t, S92
Self-Holding Power	30 days
Fuel Consumption Rate	1.96 t h ⁻¹ (5 sets)
Service Life	25 years
Navigation Area	Non-restricted

Environmental Conditions

Parameter	Specification
Operating Condition	
Wind Speed	13.8 m s ⁻¹
Ocean Current Velocity	2 kn
Wave Height	2.5 m
Survival Condition	
Wind Speed	36 m s ⁻¹
Ocean Current Velocity	2 kn
Wave Height	8 m
Temperature Conditions	
Maximum Outside Air Temperature (Summer)	40 °C, 60% relative humidity
Minimum Outside Air Temperature (Winter)	-20 °C
Maximum Sea Temperature (Summer)	32 °C
Minimum Sea Temperature (Winter)	-2 °C
Sea Water Density	1.025 t m ⁻³

Marine Equipment

Parameter	Specification
Main Generator Set	6 × Wartsila 9L20, 1,700 kW
Emergency Generator Set	180 kW
Main Air Compressor	2 × 90 m ³ h ⁻¹ , 3 MPa
Emergency Air Compressor	2 × 30 m ³ h ⁻¹ , 3 MPa
Ballast Pump	4 × 1,750 m ³ h ⁻¹ , 3 bar
Ballast Sweep Jet Pump	2 × 100 m ³ h ⁻¹ , 2 bar
Boiler	2,000 kg h ⁻¹ (exhaust gas + fuel oil), 0.7 MPa saturated steam
Seawater Cooling Pump	3 × 450 m ³ h ⁻¹ , 3 bar
Fresh Water Cooling Pump	3 × 260 m ³ h ⁻¹ , 4 bar
Plate Central Fresh Water Cooler	2 × 6,000 kW
Incinerator	400,000 k

Outfitting Equipment

Parameter	Specification
Windlass	78 mm × 2
Anchor	7,425 kg, high holding power anchor × 2
Anchor Chain	24 sections × 27.5 m/section × 2
Positioning Windlass	1,300 kN × 8
Anchor	12,000 kg, Delta anchor × 8
Anchor Line	76 mm, 2,200 m × 8
Wind Resistance Class	36 m s ⁻¹
Vertical Electric Capstan	10 kN × 2
Hydraulic Mooring Winch	150 kN × 2

Crane Specifications

Parameter	Specification
800T Main Crane	
Main Hook (Double Hook) Slewing	800 t × 28 m
Main Hook (Single Hook) Slewing	500 t × 28 m
Main Hook Minimum Radius of Slewing	22.5 m
Lifting Height (Above Deck)	103 m (28 m radius)
Lifting Height (Below Deck)	13 m
Auxiliary Hook (Single Hook)	100 t
Auxiliary Hook Minimum Radius of Slewing	27 m
Lifting Height (On Deck)	118 m (27 m radius)
Lifting Height (Below Deck Surface)	13 m
Luffing	11 min, full load time double
Rotational Speed	Full: 0.125, Empty: 0.25
60T Auxiliary Crane	
Main Hook	60 t
Main Hook Radius of Slewing	10.5 m to 42 m
Lifting Height (Above Deck)	68 m
Auxiliary Hook	5 t
Auxiliary Hook Radius of Slewing	12.5 m to 45 m
Lifting Height (Above Deck)	70 m
Other Function of Auxiliary Hook	Manriding