

ORCA 3500-WIND



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With an increasing number of offshore wind installations, the need for installation and maintenance vessels has never been greater. The **ORCA 3500-WIND** answers that call. A generous deck space allows for transportation and installation of two complete 4 MW turbine sets or one complete 6 MW turbine set. The equipped 600 MT main crane is capable of lifting components to the top of towers located 120m above the mean waterline, making it well suited for most wind farm developments in water depths of 50m or less.

Principal Particulars

Length	76.0 m
Width	38.0 m
Depth	7.0 m
Design draft	4.0 m
Load line displacement	approx. 11,500 MT
Leg length	100.0 m
Leg type	tubular
Maximum water depth	50.0 m
Clear deck area	approx. 1,000 m ²
Bare deck variable load *	up to 3,500 MT
Operating variable load	1,750 MT (afloat and elevated)

* Bare deck variable load is the variable load the hull can support in the absence of any superstructure (living quarters, cranes, helideck, etc.)

Classification

✕ A1, Self-Elevating Unit, AMS, ACCU, DP2

Helicopters

None

Prime Movers

4 x 1900 kW diesel engines
1 x 600 kW emergency diesel engine

Propulsion and Positioning

3 x 1000 kW azimuthing thrusters
3 x 600 kW transverse bow thrusters

Cranes

600 MT leg encircling main crane (@30m)
50 MT SWL auxiliary crane (@7m)

Design Transit Speed

5-6 knots @ sea state 3

Accommodations

70 persons on board (in 1 and 2 person rooms)

Jacking System

Keppel OTD500FV-B System (electric)

Keppel
SELF ELEVATING PLATFORMS BY
BENNETT
OFFSHORE