



# NR Alpha

## Vessel Spec Sheet



**NR Alpha has been built using 20 years experience of such craft in combination with designer, builder, windfarm developers and prime contractors to meet construction and O & M project requirements.**

Extensive CFD has been carried out to develop the hull form that incorporates an ultra fine entry bow for excellent head sea performance and tower access but has high reserves of buoyancy above the main chine to allow for equally good following sea and stern quarter sea keeping performance.

The hull form incorporates rounded chines and other slick designs, reducing drag by 16% compared to other 27m vessels. The high bow and low propulsion line ensures impressive access limits whilst a resilient deckhouse provides a safe and quiet environment for crew and passengers during transit and transfer.

# NR Alpha

## General

Construction	Aluminium
Superstructure Mounting	Resilient
Classification	Bureau Veritas 1+ Hull • Mach Wind Farm Service Ship-S1 Sea Area 3
Flag	MCA Workboat Cat 2 HS-OSC
Built	Mar-24
Builder	Diverse Marine

## Dimensions

Length Overall	27.60m
Beam Overall	9.80m
Depth	5m
Maximum Draft	2.4m
Lightship Displacement	77.60T
Deadweight	55T
Bow Cargo Area	90 m <sup>2</sup>
Aft Cargo Area	10 m <sup>2</sup>
Deck Load	2T/m <sup>2</sup>
Crew	3-4
Industrial Personnel	24

## Capacities

Bow Deck	30T
Marine gas oil	21,000 Litres
Fresh Water	2T
Grey Water	1T
Black Water	1T
Bilge/ Dirty Water	500 Litres
Deck Fittings	2 x 10 foot containers

## Propulsion

Main Engines	4 x Volvo Penta IPS1050
Installed Power	3352kW
Gearboxes	4 x Volvo Penta IPS 1.99:1
Propulsion	4 x Volvo Penta IPS30 Drives
Sprint Speed	30kts
Service Speed	26kts
Fuel Consumption@100%MCR	520 lph
Fuel Consumption@85%MCR	462lph

## Electrical Equipment

Generator sets	2 x Beta 34.4 Kw
Network	24v DC, 400/230 v 50 Hz AC

## Deck Equipment

Deck Crane	TMP 900 XL
Deck Crane Capacity	865 kg@10.4 meters
Pressure Washer	30 - 200 bar fresh water
Bow fender	Buoyant Works
Davit	MOB Davit Starboard side aft

## Other

24 x KPM air sprung shock rated seats  
 Seats fitted with 4 point harnesses  
 Fully Air conditioned  
 55 dBA noise level in passenger area  
 Fitted with Starlink  
 6 x crew berths on board  
 Hybrid Ready  
 Fitted with Hefring Marine VMS  
 2 x Toilets

