



## w1Da 33 Ocean One Design Technical Specifications and Options

<b>Length Overall (hull length)</b>	<b>9.5m</b>	<b>Length overall inc. bowsprit</b>	<b>9.88m</b>
<b>Length Waterline</b>	<b>9.48m</b>	<b>Beam Overall</b>	<b>2.89m</b>
<b>Draft Keel up</b>	<b>0.4m</b>	<b>Draft Keel down</b>	<b>1.925m</b>
<b>Displacement approx.</b>	<b>3000kg</b>	<b>Ballast</b>	<b>1200kg</b>
<b>Mainsail</b>	<b>33.4m<sup>2</sup></b>	<b>Genoa</b>	<b>21.7m<sup>2</sup></b>
<b>Spinnaker</b>	<b>63m<sup>2</sup></b>	<b>Code 0</b>	<b>55m<sup>2</sup></b>
<b>I</b>	<b>11.29m</b>	<b>J</b>	<b>3.32m</b>
<b>Boat Design RCD Category</b>	<b>A</b>	<b>P</b>	<b>11.13m</b>
<b>Concept by w1Da Experience Limited</b>		<b>E</b>	<b>4.56m</b>
		<b>(provisional)</b>	
		<b>Design by Guy Whitehouse</b>	

### HULL AND DECK

- Epoxy Structural Foam multilayer composite construction using Quadraxial glass that ensures boat can float even when holed or completely full of water,
- Low profile racing keel made from steel and lead, that is fully retractable with electric/hydraulic control and built unique built-in shock absorbing system.
- White deck with a high traction non- skid, built in toe rail and folding cleats
- Standard white or coloured hull (any colour available with selectable graphics)
- Secure and comfortable cockpit with deep cockpit storage locker,
- Moulded stern access with built in secure safety ladder
- All bulkheads are glassed to hull and deck for stiffness
- Dual external composite carbon retractable rudders mounted on transom
- Jefe Carbon Wheel with canting system or Carbon/Wood Laminate Tiller option
- W1Da Hull Stability and Protection System (Patent Pending) that enable the hull to "take the ground" on small stones, shingle, mud, sand etc in a stable upright position

### SPARS AND RIGGING

- Tapered Selden Carbon mast with double aerofoil spreaders,
- Next generation Dyneema DSM20 composite standing rigging including forestay
- Dyneema Backstay with masthead flicker, with adjustment in cockpit
- Carbon Boom with outhaul system, reef lines, main and kicker take-off
- Custom Carbon fibre fixed bowsprit with spinnaker furler, controlled from cockpit
- Selden Strut kicker with cascade purchase system led to cleats on both sides of coachroof
- Main and Job Dyneema halyards throughout with soft shackle for main and jib
- 2 Dyneema spinnaker halyards with snapshackles ; Torsion rope option, bowsprit furler
- Dyneema spinnaker sheets and tack line, led under the deck
- Soft-attach Dyneema jib sheets, cross-winch to windward, with optional haulers
- Dyneema main sheet (8:1) with fine tune (24:1) ; Full width Mainsheet traveller
- 2 reef lines and Boom-mounted lazy-jacks; Stackable main cover on boom

### DECK HARDWARE

- 2 Selden 40 self-tailing reversible primary winches on coachroof
- 2 Selden 30 self-tailing and reversible primary winches for halliards on coachroof
- 2 Selden purpose fitted lock-in reversible winch handles,
- 2 large rope bags for halliards, reef lines, etc
- 2 large cockpit bags for main sheets, travellers, handheld VHF, water bottle etc
- Mainsheet purchase and fine tune on cockpit floor, with soft-attach take-off
- Full Width adjustable mainsheet traveller with 4 :1 purchase mounted on traveller
- Adjustable jib tracks with 4 :1 car controls led to cleats on coach roof
- Ball bearing spinnaker sheet blocks on soft shackles and mountings
- Low friction ring at bowsprit end for tackline, led aft to Coachroof
- Mast base halyard/reef turning rings and blocks
- Halyards and control lines lead through organisers and 10 clutches coachroof
- Carbon fixed (demountable) Bowsprit with low profile Stemhead fitting



- Folding bow, stern and midships mooring cleats
- Stainless chainplates for composite shrouds and backstay
- Foredeck opening hatch - tinted, self draining
- Unique Full length windows in hull
- 2 opening ports for aft cabin and toilet compartment; 1 port in aft cabin
- 2 secure profiled handrails on coach roof
- secure custom pulpits, pushpits with mountings for of wind turbines
- All around double s/s lifelines, 4 alloy stanchions with reinforcing legs and 2 single stanchions
- Laminated composite self-stacking companionway washboards
- Coachroof-mounted Solar regeneration array, non-slip; that can be walked on,

#### **INTERIOR**

- Interior built using high strength composites, wood; sealed throughout
- Interior floors nonslip, non- water absorbing laminates with selectable coverings.
- Owner-selectable detachable fabrics throughout

#### **FORWARD Cabin**

- Forward large double berth with Clothes hanging storage, shelf & fiddles
- Sliding doors that retract into bulkhead to provide privacy and enlarge saloon

#### **MAIN SALOON and Kitchen/Galley**

- Settee/berths to starboard and port side Composite Table with drop leafs
- Large windows set into hull and coachroof to provide light and visibility
- Kenyon energy-efficient electric 2 burner induction hob with non-slip capability
- Domestic Fan/Microwave Combination Grill /Oven; 120 litre 240v domestic fridge
- Twin Stainless steel sinks with wastewater in removable tanks to meet EU regulations
- Pressurised instantaneous hot and cold water; Sealed work top, inset dual sinks

#### **CHART TABLE (on starboard side)**

- Large chart table facing fore and aft, capable of taking half of full size Admiralty chart
- Optional PC and/or Tablet with instruments, book and item storage, charging points
- Chart storage under table lid; Large Double lockers with hinged instrument panel
- Owner-selectable Instrumentation with DSC VHF, AIS, Depth, Speed, GPS ; Wi-Fi

#### **AFT MASTER CABIN (on port side)**

- Access door to saloon, leading to full height standing and changing space
- Large port side hanging locker; Starboard Locker, Mirror , Changing seat
- Full size Double berth with upholstered back rest, reading lights ;storage under berth

#### **Bathroom/ HEAD (on starboard side)**

- Access door to saloon to ensure privacy
- Integral 7Kw domestic-type shower with tray (optional)
- Recessed Sink; Mirror, toilet roll holder and storage in Vanity unit
- Pressurised cold and hot water
- Domestic full size electric toilet with macerator, electric sanitiser and odour remover

#### **PLUMBING AND DOMESTIC ELECTRICAL**

- Manual bilge pump in cockpit (as per ISO regulations)
- Automatic and manual electric bilge pump with float switch
- Hot and cold pressurised water system. 3 water tanks (total >200 litres) distributed
- 240v secure RCD protected domestic electric distribution panel
- LED lights in ceilings and reading lights in cabins, Kitchen/galley and bathroom/head
- LED Tricolour navigation lights on pulpit or masthead (optional)

#### **PROPULSION**

- Transom mounted fully retractable 6Kw High Torque almost-Silent composite high efficiency electric Rim -drive Motor
- 4th generation Self-Sustaining w1Da Energy Storage and Regeneration System (Patent Pending), providing over eight to twelve hours range, extendable with on-board Range Extender options