



## Boat Selection Summary

Below is a summary of the boats to be view based on discussions and the criteria stated below. I have included the main information on the boats including main equipment that is included.

**Budget** - £30k

**Size** – 27/33ft

**Tiller/Wheel** - Either

**Cruiser/Fast Cruiser/Cruiser Racer/Racer** - Fast cruiser capable of longer passages

**Number of Cabins** - Minimum 2 cabins

**Age** – Not as important as condition

**Condition** – Ready to sail

I have included some figures on Sail Area/Displacement Ratios and Displacement/Length ratios. These figures will hopeful help compare different types of boats and their suitability.

### Sail Area /Displacement Ratio

This relates the size of the sails to the weight of the boat. A light boat and big sails make for a fast boat but difficult to sail. A heavy boats with small sails will require a lot of wind for them to move. Below are the bands typically used.

<12 Motor Cruisers

12 – 20 Cruiser

20 - 30 Fast Cruisers

30 - 40 Cruiser Racers

>40 Racing boats

### Displacement / Length Ratio

A light boat will be driven more easily in less wind, but if sailing in waves they can have a tendency to slam or be stopped by waves. This can be considered a comfort rating as heavier boat will tend to be more comfortable, but a balance is needed.

Light racing multihull 40-50

Ultra light ocean racer 60-100

Very light ocean racer 100-150

Light cruiser/racer 150-200

Light cruising auxiliary 200-250

Average cruising auxiliary 250-300

Heavy cruising auxiliary 300-350

Very heavy cruising auxiliary 350-400





## Westerly Storm – “Choice”

**Location** - Cardiff

**Price** - £26,950

<http://www.apolloduck.co.uk/feature.phtml?id=447857>

**Length** – 10.11m

**Draft** – 1.7m

**Year** - 1987

**Keel** - Fin

**Construction** - GRP

**Engine** – Diesel 18hp

**Berths** – 7 in 3 cabins

**Ballast** – 1910kg

**Displacement** – 5130kg

**Sail Area** – 49m<sup>2</sup>

**Sail Area /Displacement Ratio** - 16.67

**Displacement /Length Ratio** – 256

Compass	Yes
Speed/Wind/Echo	Yes
DSC VHF Fixed	Yes
GPS	Chart Plotter
AIS	Yes
Radar	No
Radar Reflector	Yes
Auto Pilot	Yes
Stereo	unknown
Navigation Lights	Yes
Anchor	Yes
Fridge	unknown
Hot Water System	unknown
Heater	Yes
Shore Power	Yes
Flares	Yes
Fire Extinguishers	Yes
Dinghy	Yes





## **Westerly Tempest 31**

**Location** - Plymouth

**Price** - £27,000

<http://devon.apolloduck.co.uk/feature.phtml?id=434374>

**Length** – 9.32m

**Draft** – 1.5m

**Year** - 1990

**Keel** - Fin

**Construction** - GRP

**Engine** – Diesel 18hp

**Berths** – 6 in 3 cabins

**Ballast** – 1220kg

**Displacement** – 4091kg

**Sail Area** – 37m<sup>2</sup>

**Sail Area /Displacement Ratio** - 14.82

**Displacement /Length Ratio** – 274

Compass	Yes
Speed/Wind/Echo	Yes
DSC VHF Fixed	Yes
GPS	Yes
AIS	Yes
Radar	No
Radar Reflector	Yes
Auto Pilot	Yes
Stereo	unknown
Navigation Lights	Yes
Anchor	Yes
Fridge	unknown
Hot Water System	Yes
Heater	Yes
Shore Power	Yes
Flares	Yes
Fire Extinguishers	Yes
Dinghy	Unknown





## **Elan 295**

**Location** - Cardiff

**Price** - £32,500

[http://wales.boatshed.com/elan\\_295-boat-212514.html](http://wales.boatshed.com/elan_295-boat-212514.html)

**Length** – 9.48m

**Draft** – 1.8m

**Year** - 1997

**Keel** - Fin

**Construction** - GRP

**Engine** – Diesel 18hp

**Berths** – 6 in 3 cabins

**Ballast** – 1800kg

**Displacement** – 3400kg

**Sail Area** – 50m<sup>2</sup>

**Sail Area /Displacement Ratio** - 22.8

**Displacement /Length Ratio** – 178

Compass	Yes
Speed/Wind/Echo	Yes
DSC VHF Fixed	Yes
GPS	yes
AIS	No
Radar	No
Radar Reflector	Yes
Auto Pilot	Yes
Stereo	Yes
Navigation Lights	Yes
Anchor	Yes
Fridge	Icebox
Hot Water System	Yes
Heater	Yes
Shore Power	unknown
Flares	Yes
Fire Extinguishers	Yes
Dinghy	Yes

