

Exercise: Sailboat Identification



Southern Cross 31

Bluewaterboats.org

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Southern Cross 31

Specifications

LOA: 31' 0"

LWL: 25' 0"

Beam: 9' 6"

Draft: 4' 7"

Displacement: 13,600 lbs.

Ballast: 4,400 lbs.

Sail Area: 447 sq. ft.

1. **Ballast/Displacement Ratio** for the *Southern Cross 31*?

32.4%

2. **Displacement/Length Ratio** for the *Southern Cross 31*?

388.6

3. Does she have a *light, medium, or heavy* displacement hull?

The Southern Cross 31 has a heavy displacement hull.

4. What type of keel does the *Southern Cross 31* have?

The Southern Cross 31 has a full keel.



J/24

Specifications

LOA: 24' 0"

LWL: 20' 0"

Beam: 8' 11"

Draft: 4' 0"

Displacement: 3,100 lbs.

Ballast: 950 lbs.

Sail Area: 268 sq. ft.

5. **Ballast/Displacement Ratio** for the J/24?

30.6%

6. **Displacement/Length Ratio** for the J/24?

173

7. Does she have a *light*, *medium*, or *heavy* displacement hull?

The J/24 has a light displacement hull designed for racing and not for cruising offshore.

8. What type of keel does the J/24 have?

The J/24 has a fin keel.



Hallberg-Rassy 31

Specifications

LOA: 31' 7"

LWL: 27' 0"

Beam: 10' 10"

Draft: 5' 7"

Displacement: 9,920 lbs.

Ballast: 4,410 lbs.

Sail Area: 606 sq. ft.

9. **Ballast/Displacement Ratio** for the *Hallberg-Rassy 31*?

44.5%

10. **Displacement/Length Ratio** for the *Hallberg-Rassy 31*?

225

11. Does she have a *light, medium, or heavy* displacement hull?

The Hallberg-Rassy 31 has a light displacement hull.

12. Would you feel comfortable taking her sailing offshore? Why?

The Hallberg-Rassy 31 would be good for sailing offshore due to her high ballast/displacement ratio. This would provide for stable handling in offshore seas.