

CAREEL CRUISING YACHT ASSOCIATION OF AUSTRALIA INCORPORATED

PRELIMINARY

These Class Rules are determined by the members of the Careel Cruising Yacht Association of Australia Inc. They may only be altered by a special resolution in a General Meeting of the members as set out in the constitution of the Association. The only version of the class rules which will be recognised is that held by the Public Officer of the Association. While the Association may endeavour to keep other copies current with that controlled copy, no assurance can be given that this can or will be done. Therefore anyone seeking to depend upon the version of the Rules contained here should first check with the Public Officer to ensure that this version contains the most current information.

CLASS RULES

The Careel Class yachts are restricted classes and tolerances are only to cover unintentional variations in building and changes in shape through age and use.

1. CAREEL 18

- (a) **Hull:** All hulls must be produced from moulds approved by the Association.
- Material - The hull must be constructed of glass reinforced plastic.
- Length overall (hull moulding) - 5600 mm (plus or minus 25 mm).
- Minimum Weight of hull including centreboard and all fixed fitting as per boat manufacturer's specification.
- (b) **Flotation:** Shall be as per boat manufacturer's specifications.
- (c) **Centreboard:** This shall fit within the moulded centreboard case and shall be at least 64kg. Design and material unrestricted.
- (d) **Rudder:** Design and material unrestricted.
- (e) **Mast and Boom:** To be constructed of untapered aluminium extrusion.

Devices to bend the mast or boom are prohibited. Boom vangs and whisker poles are permitted.

The weight of the mast or the boom is not to be less than the lightest mast or boom with fixed fittings, fitted by the boat manufacturer as original equipment.

Minimum mass of mast and fittings - 12.70kg.

Minimum mass of mast, fittings and spreaders - 16.75kg.

- (f) **Rigging:** Standing rigging shall consist of upper and lower forestays and upper and lower shrouds. The lower forestay shall form a straight line between the lower hounds and the normal deck anchorage point. No jumper struts are allowed. No devices to alter the tension of the standing rigging while underway are allowed. Running rigging may be used to adjust tensions in jib luff, mainsail luff or mainsail foot while sailing. End boom sheeting is mandatory for a competition and allows the mainsheet to be lead forward to alternative pulley exit point/s at the owner's discretion.

Shroud measurements shall be as follows:

- Height of upper hounds above mast step:
6225 mm plus or minus 75 mm.
- Height of lower hounds above mast step:
3480 mm plus or minus 75 mm
- Centreline of chainplate from aft side of tuck:
2490 mm plus or minus 50 mm.

NOTE: The above rigging arrangement is as supplied by the boat manufacturer on all boats up to and including number 469.

Spreaders may be fitted, but are not mandatory. Where fitted, they shall comply with the following:

- Height of spreader attachment to mast above mast step:
3480mm plus or minus 75mm.
- Length of spreader from mast to upper shroud:
680mm plus or minus 10mm.
- Angle swept aft by spreader from beam:
35 degrees plus or minus 2 degrees.

NOTE: The intention is for the spreader to be positioned in the same plane as the mast and the upper shroud.

- Height of spreader tip at shroud above spreader attachment to mast: 130mm plus or minus 10mm.
- Upper shrouds shall be clamped to spreader tips.
- Spreader material, section and dimensions in accordance with spreader manufacturer's specification.

- (g) **Sails:** The Class Insignia and yacht number shall be affixed on both sides of the mainsail between the No.1 and 3 batten and shall be of conspicuous colour. Fixed Keel Yachts shall be defined by a horizontal bar under the sail number.

DIMENSIONS:

Genoa: Maximum Luff 6575 mm
 Maximum L.P. 3250 mm
 No battens allowed

Jib: Maximum Luff 6125 mm
 Maximum Leech 5335 mm
 Maximum Foot 2870 mm
 Head to Mid Foot 5665 mm
 No battens allowed

The above specified Jib is the maximum size headsail permitted wherever the Sailing Instructions prohibit the use of a Genoa.

Mainsail: Maximum Luff 6325 mm
 Maximum Leech 6860 mm
 Maximum Foot 2705 mm
 Gross measurement, midpoint of luff and leech – 1750mm
 Gross measurement, quarterpoint of luff and leech – 985mm

Battens: Position fixed by distance from clew to aft end of batten pocket.

POSITION	MAX. LENGTH
No.1. 5450mm (plus or minus 50mm)	990mm
No.2. 4050mm (plus or minus 50mm)	840mm
No.3. 2655mm (plus or minus 50mm)	840mm
No.4. 1255mm (plus or minus 50mm)	840mm

Headboard width including bolt rope 125mm Maximum

Furthermost point of headboard to mid foot 6590mm Maximum

2. **KEEL CAREEL 18** - As per Swing Keel 18 except for centreboard.

3. **CAREEL 22 - SWING KEEL**

CAREEL 22 - FIXED KEEL

(a) **Hull:**

All hulls must be produced from moulds approved by the Association.

Materials: Hulls must be constructed of glass reinforced plastic.

Hull Length: 6910mm plus or minus 50mm

Waterline Length: 6120mm plus or minus 50mm

Beam: 2475mm plus or minus 25mm

Beam at Waterline: 1995mm plus or minus 25mm

Depth of Hull from Waterline to Bottom of Hull: 350mm plus or minus 25mm

(b) **Keel:**

Careel 22 Fixed Keel - shall be to manufacturer's specifications.

(c) **Keel:**

Careel 22 and 22L Swing Keel. Shall be a swing keel type. Maximum length 1815mm. Maximum width 685mm and can be manufactured in any material which will provide a weight of between 249kg and 386kg with a maximum thickness of 100mm at its widest point, and a minimum thickness of 75mm. Keel surface is unrestricted.

(d) **Rudder:**

Design and material unrestricted.

(e) **Mast:**

To be untapered.

The mast height from deck to the top of the cap on:

Careel 22 and 22L's shall not exceed 8280mm

Careel 22's Fixed Keel shall not exceed 8840mm

(f) **Spinnaker Pole:**

To conform to the 'J' Measurement plus a maximum of 305mm

(g) **Rigging**

Shall be of the single spreader mast head type and consist only of the following:

Mast Head fitting not to exceed 380mm in length

1 Forestay

2 Capshrouds

2 Forward Lower Shrouds

2 After Lower Shrouds

1 Adjustable Back Stay

An inner forestay may replace the two lower forward shrouds.

One set of intermediaries above the cross tree is permitted.

(h) **Sails:**

The Class insignia and the yacht number shall be fixed on both sides of the mainsail and shall be of a conspicuous colour.

Fixed keel yachts shall be defined by a horizontal bar under the sail number.

Dimensions:

Headsail

Swing keel yachts with overall length masts not exceeding 7925mm:

L.P. Measurement not to exceed 4570mm.

Swing keel yachts with overall length masts exceeding 7925mm:

L.P. Measurement not to exceed 4420mm.

Fixed Keel Yachts

L.P. Measurement not to exceed 4875mm.

Mainsail

The Luff shall not exceed 7415 mm and shall include 4 battens of which a total batten length should not exceed 4000mm.

The Foot shall not exceed 2895mm.

Spinnaker:

Shall not exceed 51.12 sq.m. for swing keel yachts and 55.75 sq. m. for fixed keel yachts.

Spinnaker luff shall not exceed 8900mm.

Spinnaker maximum width shall not exceed 6250mm.