

# **Racing Rules of the Sonata Yacht Association**

Following recent recommendations from the Australian Sailing regarding the raising of keels in trailable yachts while sailing, the SYAV committee has revised the Racing Rules, to require that keels not be raised while racing.

Also a recommendation is made that storm boards be in place under strong wind conditions, to minimise entry of water to the cabin in the event of partial capsize.

A copy of the revised Racing Rules is as follows:

## **SONATA CLASS RULES AND RESTRICTIONS**

Revised - June 26<sup>th</sup> 2021

### **1 SCOPE**

These rules are laid down for championships conducted by the Sonata Yacht Association.

Each Class of Sonata was created to be a one design, fixed keel or lift keel yacht, intended to be used in racing and family cruising. The class rules and restrictions are intended to preserve and encourage these design characteristics.

Consequently all Sonata Yachts within any one class, whether fixed keel or lift keel, must be essentially equal and only those alterations specifically allowed in these rules will be permitted. Other alterations which in the opinion of the protest committee, could give a yacht an advantage over her competitors are in breach of these rules and are not permitted in Sonata Class racing. Such a yacht, for racing purposes, shall be deemed not to be a Sonata yacht. Class certificates are not issued, as it is the owners responsibility to ensure that his/her yacht meets class rules.

Where Sonata 7 is referred to it incorporates Northwind 7/23. Southern Cross 23 and Sonata 7.

Where Sonata 8/26 is referred to, it incorporates Sonata 8 and Sonata 26.

Amendments to the class rules can be made only by a properly constituted committee meeting of the Sonata Yacht Association. Where there is any question of permissibility of any proposed detail of design, construction or rigging, a specific request is to be made to that committee.

Note: These rules are intended as a supplement to but do not override the provisions of the Australian Sailing Racing Rules of Sailing (RRS). In the event of conflict, the Australian Sailing regulation shall prevail.

## **2 HULL MEASUREMENTS**

These are uniform in each class and are those supplied by the manufacturer for the CBH listings

(refer attached SPECIFICATIONS).

## **3 HULL AND DECK CONSTRUCTION**

- All Sonata yachts must be built by an authorised builder and only from authorised moulds.
- Re-shaping is not permitted.
- The hull shall be constructed of glass-reinforced plastic and shall not have any additional fairing or smoothing.
- Through hull fittings for drains from sink or toilet or for the purpose of mounting a transducer are permitted.
- The hull and deck shall not have any material removed internally to reduce the weight below the manufactures specification.
- Fairing strips around the keels of Sonata 6 and Sonata 7 yachts are not permitted.

## **4 CENTREPLATES**

- Centreplates for all Sonata yachts must be factory issue.
- Re-shaping is not permitted.
- Lock-downs must be fitted.
- Raising of the centreplate during a race is not permitted.
- Minimum weights are listed in the attached table.

## **5 RUDDER**

- All rudders are stern mounted and may be swing or daggerboard type.
- The underwater dimensions must be within those of the factory issue.

## **6 MAST AND SPARS**

- Mast and boom sections must be the equivalent to the factory standard issue. Their lengths are listed in the attached table.
- A whisker pole may be used to pole out the headsail, provided that the spinnaker pole is not used at the same time.
- An adjustable spinnaker pole ring may be fitted to the mast.
- The spinnaker pole may be stored on the boom.

## **7 RIGGING**

- The dimensions of the fore triangle are listed in the attached table.
- The following are permitted modifications:
  - (a) Jib luff groove systems, or multiple forestays.
  - (b) Sonata 6.7 and Sonata 8/26 may fit running backstays.
  - (c) Sonata 6.7 and Sonata 8/26 may fit running checkstays.
  - (d) Sonata 6.7 and Sonata 8/26 may move the lower shrouds in line.
  - (e) Sonata 7 may fit an inner forestay.
  - (f) Sonata 8/26 yachts may be fitted with a single set of swept back spreaders with caps and lowers in lieu of double in line spreaders with caps, intermediate and lowers.

## **8 SAILS**

- The sail dimensions are listed in the attached table.
- The maximum number that can be carried by Sonata 6, Sonata 6.3 and Sonata 7 during a race are 1 Mainsail, 4 Headsails and 2 Spinnakers. (Storm Trisail and Storm Jib are not counted)
- Sonata 6 and Sonata 7 may carry an asymmetrical spinnaker, which shall count as a spinnaker.
- Sonata 6.7 and Sonata 8/26 are unrestricted in the number of sails carried during a race.
- The mainsail shall carry class emblem and a sail number allocated or approved by the association. Spinnakers must carry a sail number.
- Through the deck spinnaker launchers are not permitted.

- The following are permitted alterations:

- (a) Roller furling system on forestay.

- (b) Barber haulers on spinnaker sheet brace.

- (c) Fully battened mainsails are permitted for Sonata 7 and Sonata 8/26.

## **9 PERMITTED ALTERATIONS**

The following alterations are permitted under the class rules.

- (a) Length and material of tiller extension.

- (b) Location and types of cleats for halyards, sheets, reefing lines, boom vang, backstay, cunningham eye, outhaul, topping lift, kicker or centerboard lift.

- (c) Use of Depth sounder, Knot meter, Log, Compass, GPS plotter, Radio R/T, and Wind instruments.

- (d) Navigation and Deck lights.

- (e) Additions to personalise the interior.

- (f) Additions of deck prisms or ventilators, which must be watertight when shut.

- (g) Fuel or water tanks, permanent or removable.

## **10 FITTINGS REQUIRED IN CABIN**

While racing, the following furniture shall be contained in the yacht :

Bunk Cushions, toilet, stove, general timber fitout.

## **11 SAFETY REGULATIONS**

All yachts must conform at a minimum to current Australian Sailing and State Government safety regulations, with the exception of dispensations granted by the governing bodies.

- Poptops must be locked down while racing.

- Front hatches must be closed and locked while racing.

- Safety equipment, additional to that prescribed may be carried.

Note: It is strongly recommended that storm boards be in place under strong wind conditions.

## 12 MOTORS

In all Sonata Class and Championship races, yachts shall have the motor in position, ready for use in an emergency. In open yacht races, motor readiness will be at the discretion of the skipper, unless otherwise specified in the race instructions.

## 13 ASSOCIATION INSIGNIA

Sonata



Southern Cross



## 14 COMPLIANCE WITH CBH MEASUREMENTS

No Deviations from the published CBH measurements are permitted (see note: CBH).

SONATA CLASS SPECIFICATIONS				28/06/2021					
ITEM	FEATURE	Son.6	Son.6.3	Son.6.7	Son.7	SC23NW7	Son.760	Son.8	Son.26
<b>Hull</b>	Total mass (kg)	910	870	1340	1525	1525	1300	1650	1650
	Length over all (mm)	6150	6595	6710	6915	6880	7600	8090	8090
	Length waterline (mm)	5310	5265	6380	6285	6190	6400	6400	6400
	Rated beam (mm)	2073	2100	2483	2438	2385	2500	2499	2499
	Maximum beam (mm)	2073	2100	2483	2469	2435	2500	2499	2499
<b>Headroom (mm)</b>	- Poptop down	1340	1500	1400	1610	1510	1400	1600	1700
	- Poptop up	1690	1820	1750	1820	1720	1750	1800	1900
<b>Centreplate</b>	Type	Swing	Drop	Drop	Swing	Swing	Drop	Drop	Drop
	Minimum weight (kg)	227	250	227	409	409	315	227	227
<b>Draft (mm)</b>	- Centreplate up	240	240	210	220	250	1550	210	210
	- Centreplate down	1370	1440	1500	1370	1500		1550	1550
<b>Mast &amp; Spars</b>	Overall mast length (mm) note 1	6710	7780	9250	7985	7985	9700	9530	9400
	Spinnaker pole length (mm)	2540	2540	2430	2970	2970	3950	2510	2510
	Forestay height (mm) note 2	6670	6510	7040	7950	7950	7340	7390	7260
	Spinnaker exit (mm) note 3	6670	6800	7150	7950	7950	7430	8170	8040
<b>Rigging</b>	Type	Mast Hd	Fract.	Fract.	Mast Hd	Mast Hd	Fract.	Fract.	Fract.
	Fore triangle height (mm) - I	7193	6912	7542	8535	8535	7840	8047	8047
	Fore triangle base (mm) - J	2530	2470	2360	3000	3010	2400	2499	2499
<b>Mainsail</b>	Hoist/Luff (mm) - P	5940	7090	8260	7090	7102	8950	8370	8370
	Foot (mm) - E	2440	2480	2890	2670	2682	3400	3100	3100
<b>Fully Battened</b>	Headboard Width at top (mm)			120	120				
	Maximum Girth Top at 7/8 hoist (mm)			584	530			856	856
<b>Mainsail</b>	Maximum Girth Upper at 3/4 hoist (mm)			1052	970		10320	1450	1450
							Total		
<b>Girth</b>	Maximum Girth Middle at 1/2 hoist (mm)			1795	1650			2330	2330
	Max. Girth Lower at 1/4 hoist (mm)			2343	2240			2750	2750
<b>No. 1</b>	Luff to Clew (mm)	3730	3500	3664	3890	3890	3700	3800	3800
<b>Genoa</b>	Luff (mm)	7230	7150	7590	8430	8430	7900	7950	7950
	Foot (mm)	3960	3960	3940	4110	4110	4000	3950	3950
	Leech (mm)	6900	6900	7000	7980	7980	7250	7450	7450
<b>No. 2</b>	Luff (mm)	7210	6960	7220	8360	8360	7800	7770	7770
	Foot (mm)	2840	2970	3330	3480	3480	2950	3080	3080
	Leech (mm)	6730	6320	6650	7700	7700	7000	7000	7000
<b>No. 3</b>	Luff (mm)	6660	6400	6600	7770	7770	7800	6860	6860
	Foot (mm)	2440	2440	2510	2990	2990	2400	2510	2510
	Leech (mm)	5790	5740	5850	6830	6830	7050	6160	6160
<b>Spinnaker</b>	Max. Width (mm)	4570	4570	4360	5350	5334	5520	4460	4460
	Luff (mm)	7010	7010	7300	7920	7925	8600	8030	8030
<b>Assymetrical spinnaker</b>	Luff (mm)				8850	8850			
	Foot (mm)				5700	5700			
	Leech (mm)				8300	8300			
	1/2 girth (mm)				5100	5100			

## NOTES

**Note 1 :** *The differing mast measurement between the Sonata 8 and Sonata 26, are due to the differing cabin heights, the intention being to maintain the same sail plan in relation to the waterline.*

**Note 2 :** *This is the Distance between the bottom of the mast base and the attachment point of the forestay.*

**Note 3 :** *This is the distance between the bottom of the mast base and the spinnaker halyard turning block, at or near the top of the mast.*

**Note 4 :** *Two bands of colour, contrasting with the colour of the mast and not less than 20 mm wide shall be painted on the mast. The upper edge of the bottom band shall line up with the upper edge of the boom in its functional position. The top band shall be measured from the upper edge of the bottom band to the lower edge of the top band.*

**Note 5 :** *A band of contrasting colour, not less than 20 mm wide shall be painted on the boom. The inner edge which indicates the maximum extension of the sail, shall be measured from a point where the projection of the aft side of the mast intersects the top of the boom in its proper position.*

**Note 6 :** *Fully battened mainsails are permitted for Sonata 7 and Sonata 8/26*

**Note** *CBH: (Short for Class Basic Handicap): Australian Sailing publishes and reviews CBH's annually. The CBH table contains those yacht measurements that are critical in determining the various class handicaps.*

## **BOAT DISPLACEMENT - Appendix 1**

### **Boat preparation list.**

Displacement of the boat (mass) shall be measured with the boat in racing trim. It will not include the fuel, anchors, chains, and safety equipment (unless required by the Class Rules), food, clothing, stores, tool kits, etc. but shall include the motor.

### **Leave on Board:**

Mast including standing and running rigging  
Headsail furler if fitted  
Boom and mainsheet system  
Spinnaker pole / whisker pole  
Main sail with battens  
Spinnakers and sheets (max 2)  
Head sails and sheets (max 4)  
Outboard motor  
Fuel tank - empty  
Rudder, rudder stock and tiller  
Built in water tanks -empty  
Stove  
VHF radio  
Winch handles  
Squabs (V- berth and Quarter berth cushions)  
Dining Table  
Porta Potty / toilet - empty  
Electronics and compass  
Stereo & Speakers  
Battery

### **Remove for weighing:**

Anchor and anchor rode  
Mooring lines and fenders  
Sail bags, boom bags and covers  
Cabin and cockpit flooring  
Bedding  
Clothing  
Life Jackets, harnesses etc.  
Safety, distress & Medical equipment  
Buckets and ropes  
Hand held VHF Radio  
Cutlery drawer, crockery & utensils  
Food bins and fridge.  
All food and drinks.  
All fluids  
Clock, Barometer etc.  
Torch, flags and all side shelf contents  
Toolkits, tools & spares  
Gas bottle and BBQ  
All other cruising gear