

Inboard Classes

Inboards are divided into hull classes **Hydroplane** and **Displacement** and further classed according to engine sizes.

Hydroplanes Class- Are air assisted boats. The front of the hull has sponsons, which hang down below the body of the hull. At speed the boat rides on these, the air rushing under the boat provides additional lift, meaning less of the boat is in contact with the water, making it go faster. In perfect trim the boat rides on the very tips of the sponsons and only 1/2 of the propeller is in the water, this produces the spectacular "rooster tail" of the hydroplane.



Ricky Howard's 4.2 stock Hydroplane NC. A Howard Hydro powered by a 253 stock Holden engine (mostly)

Displacement Class - This is probably more what you consider a boat. These push the water out of the way (displacing) it as they move through the water. The faster they go the higher the boat will ride.



NSW President Charles Mayfield in PROTEK an Everingham that runs mostly in the 5.2 litre class.

Open Class - Are races that are open to either Hydroplanes or Displacement. Hydroplanes are faster, Displacements corner a lot better, depending on the course, these races can be very good indeed.

Engine Classes

Only a few of the classes conducted in Australia have, apart from size limits restrictions on the motor modifications. i.e. provided your motor is under the class limit and you hull suits the class - you're in. This means an unlimited open race can have any boat powered by an inboard in it. Sometimes this can be embarrassing, as some of the 6 litre displacements (probably the most popular class) are faster than some of the supercharged boats. Carby Class are limited to Carburettors and Cast Iron Motors 4.2 Stock is limited to a basically stock 253 Holden

- Unlimited Hydroplane
- Unlimited Displacement
- Unlimited Racing Runabout (Boat must have 2 seats)

- GP Hydroplane (Up to 500 cubic inches, supercharged)
- 7500cc Hydroplane
- 7500cc Displacement
- 6000cc Hydroplane
- 6000cc Displacement
- 6000cc Carby Displacement
- 5200cc Hydroplane
- 5200cc Displacement
- 5200cc Carby Displacement
- 4600cc Displacement
- 4.2 Litre Stock Hydroplane
- 4.2 Litre Stock Displacement
- 1.6 Litre Open Hull

In addition there are many speed record classes. Many of these classes are no longer contested in circuit racing, but they have been kept as speed classes.

Australian Inboard Class Records

Speeds are in Kilometres per hour to convert to Miles per hour multiply this by 0.6213712 (this is not exact but fairly close)

Class	Boat	Speed K/ph	Date	State
Unlimited Hydroplane	Aussie Endeavor	305.80	12 June 1994	Victoria
Unlimited Displacement	Liberty	214.12	31 July 1994	NSW
Unlimited Racing Runabout	Tuff E Nuff	179.80	28 March 1993	Victoria
Unlimited side valve displacement	Scrubcat IV	102.13	10 December 1967	Victoria
7500cc Hydroplane	Road Runner	227.70	7 May 1983	Tasmania
7500cc Displacement	Illicit	178.73	12 August 1995	NSW
6000cc Hydroplane	Splitfire	230.41	6 June 1993	NSW
6000cc Displacement	Trojan	187.65	30 December 1990	NSW
6000cc Carby Displacement	Madness	178.81	31 July 1994	NSW
5200cc Hydroplane	Wasp Two	214.57	18 May 1969	NSW

5200cc Displacement	Madness	178.07	8 August 1993	NSW
5200cc Carby Displacement	Madness	176.54	31 July 1994	NSW
4500cc Hydroplane	Wasp Two	196.94	14 June 1979	NSW
4500cc Displacement	Cut Loose	161.94	12 August 1995	NSW
4500cc Side Valve Displacement	Scrubcat IV	102.13	10 December 1967	NSW
4200cc Stock Holden Hydroplane	Streamline	200.19	12 June 1988	Victoria
4200cc Stock Holden Displacement	Problem Child	150.38	14 April 1990	NSW
3750cc Hydroplane	The Wasp	201.07	9 June 1985	NSW
3750cc Displacement	Barvarian	138.41	8 August 1993	NSW
2750cc Hydroplane	Chinook	170.91	3 August 1975	Victoria
2750cc Displacement	Sceamin Eagle	126.27	9 January 1966	Victoria
1750cc Hydroplane	Taboo	165.18	7 August 1974	NSW
1750cc Displacement	Piranha	119.78	16 August 1975	
1250cc Hydroplane	Miss Boron	153.68	31 August 1963	NSW
1250cc Displacement	Lightning III	103.22	29 May 1966	Victoria
850cc Hydroplane	Frantic	126.66	21 June 1970	Victoria
850cc Displacement	The Jet	96.38	1 May 1960	Victoria
1600cc Hydroplane	Aquasonic	161.37	12 June 1994	Victoria
1600cc Displacement	Cougar	83.28	8 June 1986	Victoria