

CYC 101_(Boats)

Ref: <http://www.chathamyachtclub.org/sailingschool/boats.html>

– **Beetlecat**

Type [Monohull](#)

Construction 1/2" [cedar](#) planks on an [oak](#) frame, spars in [Douglas-fir](#)

Rig [Cat rig](#)

LOA 12 feet 4 inches (3.76 m)

LOH 11 feet 8 inches (3.56 m)

Beam 6 feet (1.8 m)

Draft 8 inches (0.20 m) (no centerboard)
2 feet (0.61 m) (centerboard)

Hull weight 450 pounds (204 kg)

Total sail area 100 square feet (10 m²)



– Ref: www.beetlecat.org

– CYC uses the Beetlecat as a stable learning environment to get our younger sailors started sailing. We are fortunate to have a number of members that allow the club to use their Beetlecats for the sailing school.

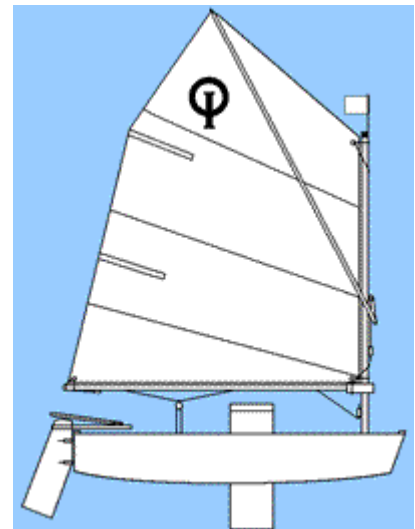
– **Opti**

What is an Optimist?

- "a flat-bottomed, hard-chine, pram-bow dinghy with a spritsail" (The Observer's Book of Small Craft)
- "a bathtub that breeds the best sailors" (Observant Sailor at the Club Bar)
- 2.31m (7'6.1/2") long, 1.13m (3'8") wide. Weight 35kg (77lbs).
- Easily transported on top of any car, (where it will drip water over your shiny paintwork!).
- Safe and simple enough for an 8-year old
- Exciting and technical enough for a 15-year old
- Available in GRP, wood or wood/epoxy.

– Ref: www.optiworld.org

– CYC has two classes of for Opti sailors as well as a clinic. Opti sailors race in three graduated groups, green (new Opti sailors), red (more experienced) and blue (most experienced). These groups are designated by the color ribbon on the top of their sail.



- Sunfish

- Crew 1-2
- Type Monohull
- Construction Fiberglass
- Rig Lateen
- Keel Daggerboard
- LOA 13 feet 10 inches (4.22 m)[1]
- Beam 4 feet 1 inch (1.24 m)
- Hull weight 120 pounds (54 kg)
- Mainsail area 75 square feet (7.0 m²)
- Ref: www.sunfishclass.org
- CYC uses the Sunfish between Beetlecat and 420 to hone sailing and boat handling skills.



- 420

- Crew 2
- Type Monohull
- Design GRP
- Rig Bermuda
- Keel Centerboard
- Trapeze Single
- LOA 4.2 meters (13 ft 9 in)
- Beam 1.63 meters (5 ft 4 in)
- Draft 0.965 meters (3 ft 2.0 in)
- Hull weight 80 kilograms (180 lb)
- Mast height 6.26 meters (20 ft 6 in)
- Main & Jib area 13.05 square meters (140.5 sq ft)
- Mainsail area 10.25 square meters (110.3 sq ft) Jib / Genoa area 2.8 square meters (30 sq ft)
- Spinnaker area 8.83 square meters (95.0 sq ft)



- CYC uses the 420 to introduce experienced sailors to the next level. This design utilizes a jib and spinnaker and allows for use of a trapeze
- The 420 design is used in high school and college sailing.

- Laser

- Crew 1
- LOA 4,064 mm (13 ft 4 in)
- LWL 3,810 mm (12 ft 6 in)
- Beam 1,422 mm (4 ft 8 in)
- Draft 787 mm (2 ft 7 in)
- Hull weight 59 kg (130 lb)
- Mainsail area 7.06 m² (76 sq ft)



- There has been a renewed interest in racing this design. There are several sail / rig configurations that need to be specified at race time, Radial, 4.7, and others.
- This is an Olympic class design also sailed at some colleges.