

Where are we...?

We are in London, Ontario, Canada (CYXU). One of our main vendors is on the airport property and is prepared to install your floats or paint them to your a/c colors. We would be pleased to show our products if you fly or drive in. Call or e-mail for directions or pick-up.

By air... our grass strips are available in the summer months. Call ahead and we'll make sure we are around.

43 10 15 N
081 18 29 W



If you want to visit our production facility we will gladly email or fax a detailed map.

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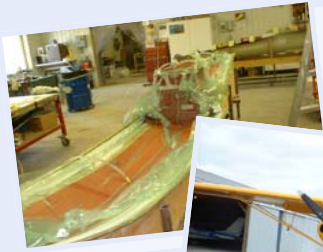
Who are we...?

The principals of Clamar Technologies have been involved in the certified and non-certified (home built & custom aircraft) markets for over 30 years.

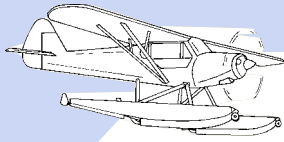
In the design and manufacturing of these products we have gone to experts in each discipline required to build a product using the latest technologies and techniques.

What do we do...?

We are redesigning and building existing products (floats & skis) using the latest infusion technology in composite materials using Kevlar, Carbon Fibre and e-glass materials where appropriate. Initial products will be sold into the non-certified market. Some of our employees have a great deal of experience working with composite materials at Diamond Aircraft here in London.



Float Specifications



Composite Construction

Using the latest technology in composites, we incorporate epoxy by infusion through a unique vacuum bag process. Carbon fiber, Kevlar and e-glass are used to make GLasLite floats a premier product. We are now able to use Aramid fabrics like Kevlar because of our infusion process.

Substantially lighter in overall weight than aluminum or composite floats of same displacement.

- No corrosion
- No leaks
- No rivets
- New high impact carbon fibre front bumper



Design/Performance

We use a conventional proven airfoil/water foil design with updated technology in composites.

The pump is mounted in the left float or the a/c to keep electrics away from float storage areas. This also allows for pump and controls to be used with wheel ski's (a product soon to be introduced by Clamar).

With the pump in the aircraft you can carry fuel in the floats with no concern for the mixing of electrics and fuel vapors.

Grove amphibious wheels and brakes are standard with built in grease fittings, Oil-dyne pump, high quality aluminum cylinders and a unique newly designed land landing absorption over center rubber backstop system.

The total length of the keel is carbon fibre with aluminum 6061 T6 bonded skid rails.

Our design features:

- double fluted profile bottoms,
- sister keelson's the full length of the step,
- smooth, no rivets, very slippery on water or in the air,
- high strength fibre cleats front and back,
- total float is corrosion free and always looks new.

Model 2200

Length	16 ft. 4 in.	
Width	Tail	20"
	Mid	29"
	Nose	19.5"
Height	23.5" Highest point	

Compartments 6 – all accessible with 6" spin off covers or baggage doors

Main Baggage Compartment 11" X 21.75" opening (17 Cubic feet on C of G)

Wheels Amphib. Mains 500 by 5 with 15" tires, chromed bearings, and modified grease fittings for extended wear. - 600 X 6 on request.

Nose Wheels 4.00 by 5 full 10 inch wheel 4.5 inches wide. Nitrogen filled "Accumulator" shock system for the nose wheel system.

Colors Delivered in epoxy primer. Final paint on request. Trim Black (covers and cleats). No skid abrasive coating full length including people step.

Sample Calculations for P-18 Replica (Wide Body)

	Amphibious	Straight
Gross Weight	2200 lbs.	2200 lbs.
Empty Weight	1150 lbs.	1150 lbs.
Main Gear	- 79	- 79
Tail Wheel	- 13	- 13
Floats	405	282
	Includes Rigging	Includes Rigging
Useful Load	737	860
Exchange Weight	313	190

	Displacement	
Amphibious	(100%) 2180 lbs.	(80%) *2422 lbs.
Straight	(100%) 2280 lbs.	(80%) * 2533 lbs.

* Maximum aircraft gross weight with 80% reserve buoyancy (2 floats) as per TSO-c27.



Model 2500

Length	16 ft. 6 in.	
Width	Tail	20"
	Mid	30"
	Nose	19.5"
Height	25.5" Highest point	

Compartments 6 – all accessible with 6" spin off covers or baggage doors

Main Baggage Compartment 11" X 21.75" opening (18 Cubic feet on C of G)

Wheels Amphib. Mains 600 by 6 with 15" tires, chromed bearings, and modified grease fittings for extended wear.

Nose Wheels 4.00 by 5 full 10 inch wheel 4.5 inches wide. Nitrogen filled "Accumulator" shock system for the nose wheel system.

Colors Delivered in epoxy primer. Final paint on request. Trim Black (covers and cleats). No skid abrasive coating full length including people step.

Sample Calculations Bear Hawk

	Amphibious	Straight
Gross Weight	2500 lbs.	2500 lbs.
Empty Weight	1400 lbs.	1400 lbs.
Main Gear	- 100	- 100
Tail Wheel	- 13	- 13
Floats	450	330
	Includes Rigging	Includes Rigging
Useful Load	1100	1100
Exchange Weight	337	217

	Displacement	
Amphibious	(100%) 2480 lbs.	(80%) *2755 lbs.
Straight	(100%) 2594 lbs.	(80%) * 2882 lbs.

* Maximum aircraft gross weight with 80% reserve buoyancy (2 floats) as per TSO-c27.



Model 3500

Length	20 ft. 3 7/8" in.	
Width	Tail	22"
	Mid	33"
	Nose	9.5"
Height	29" Highest point	

Draw Depth 20"
Compartments 6 – all accessible with 6" spin off covers or baggage doors

Main Baggage Compartment 11" X 21.75" opening (25 Cubic feet on C of G)

Wheels Main: 600 by 6 with 17.5" tires Grove Amphibious wheels and brakes. Modified axle grease fittings for extended wear. **Nose:** 400 by 5-10" tire with built in shock accumulator system. Nitrogen filled "Accumulator" shock system for the nose wheel system.

Colors Delivered in epoxy primer. Final paint on request. Trim Black (covers and cleats). No skid abrasive coating full length including people step.

Weight Complete package for Moose or Cessna 180 /185 will be under 650 lbs.

Gear Electro / Hydraulic 12 volt (in float or aircraft). Visual notification system standard and audio gear warning available.

Displacement

Amphibious	(100%) 3480 lbs.	(80 %) *3867 lbs.
Straight	(100%) 3654 lbs.	(80 %) *4060 lbs.

* Maximum aircraft gross weight with 80% reserve buoyancy (2 floats) as per TSO-c27.

