

minicat

ULTRA LIGHT CATAMARAN

**GUPPY**



# USER GUIDE

minicat  
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## Introduction

**This Guide will help you to control your boat easily and safely. It contains a detailed description of the boat and information about its assembly, operation and maintenance. Please, read it carefully, view the accompanying video and get fully acquainted with the boat before using it.**

This User's Guide is neither a training manual of sailing safety, nor a sailing course. If this is your first boat, to ensure your comfort and safety familiarise yourself with the operation of the boat before sailing it for the first time. Either your MiniCat retailer, the National Sailing Federation, or your local sailing club will be pleased to recommend you to an appropriate sailing course, or qualified sailing instructors.

Do not set sail if the expected sailing conditions (wind force, wave height) do not correspond to the design category of your boat.

Any changes to your MiniCat which could influence the safety characteristics of the boat, must be performed, verified and documented by a competent and authorised person. The boat manufacturer cannot bear the responsibility for any unapproved changes.

Always keep your MiniCat maintained and take into account any deterioration of its condition, which may occur as a consequence of heavy usage or misuse. Despite its strength, your MiniCat may be seriously damaged if it is not used properly. This will jeopardise your safety when sailing.

Always adjust the speed and the heading of the boat according to the sailing conditions (wind force, wave height).

**All persons using any sailing craft must wear life jackets.**

### Caution !

Please pay special attention to the selection of your life jacket. It must be equipped with a label containing the information about the carrying capacity and reference to the certificate of safety.

**Please keep this User's Guide and the accompanying flash disk in a safe place and give it to the new owner when selling the boat.**

Manufacturer's name and address:	Martin Horák - Design Václava Kuliška 1174 686 05 Uherské Hradiště Czech Republic
Manufacturer's code:	HOC
Name of the model:	MINICAT Guppy
Design category of the boat:	"D" - Wind max. 4 Beaufort !
Empty weight of the boat:	29 kg (65 lbs)
Maximum permitted load:	240 kg (530 lbs) (see the carrying capacity)
Maximum weight of the loaded boat:	269 kg (593 lbs)
Drive:	By sails
Sails:	Main sail
Main sail area:	3.9 sq.m (42 sq.ft)
Length of the boat:	3.0 m (9,8 ft)
Width of the boat:	1.5 m (4,9 ft)
Height of the mast:	3.95 m (13 ft)
Floats operation pressure:	0.025 MPa (3.6 psi)

minicat Guppy		Martin Horák - design Made in Czech Republic	
1	EN ISO 6185 - 1	Design cat. D	4 Beaufort
2	= 240 kg (530 lbs)	= 2	= 3 PS = 2,2 kW
3	= 0,25 bar ( 3,70 PSI)	CE	
4	CIN		

- 1 Norm
- 2 Permitted loading capacity (Persons + luggage )
- 3 Suggested operational pressure
- 4 Serial number
- 5 EU design category
- 6 Permitted human capacity
- 7 Max. wind force
- 8 Permitted motor output
- 9 CE-declaration

## Warning !

### Maximum wind force

**4 Beaufort** = 20–28 km/h  
13–17 mph  
11–15 kn  
5.5–7.9 m/s

### Maximum number of occupants

2 adults - not exceeding 240 kg (Total weight 269 kg).

## Warning !

Do not exceed the determined maximum number of occupants. Regardless of the number of occupants on the boat the total weight of occupants and equipment must not exceed the maximum permitted load. Sit only on the seats.

### Carrying capacity

240 kg

The maximum permitted load includes the weight of all persons onboard and any personal items, equipment or baggage.

## Warning !

Never exceed the maximum permitted load when loading the boat. Always load the boat carefully and allocate the individual weight according to the design of the boat. Avoid the location of heavy objects at the top. Disregarding these instructions may cause the boat to capsize and may result in damage and injury.

### Always check your MINICAT before sailing !

Perform a visual check of all parts of the boat before each sailing.

### Protection against falling overboard and how to get back on the boat:

Sit only in the places made for sitting. These are the parts of the frame at the rear half of the floats. The stability of the boat will be reduced if you sit anywhere else.

It is necessary to protect the trampoline from damage, especially rupture by sharp objects, or from careless handling.

For ease of access onto the boat from the water, there are fabric handles on both sides of the floats.

### Assembly of the boat

- Carefully remove the individual parts from the bag on a flat surface.

- Unfold the floats with the trampoline.



- Push the keel fins into the pockets on the bottom of the floats.



- Push the aluminium tubes 25 mm in the float tunnel so that the stainless steel eyelet on the pipe protrudes into the tunnel window.



- Unpack the sail and push it onto the assembled 3-piece mast.
- The individual parts of the mast fit together by sliding into each other.
- Attach wire stays to the mast.



- Inflate the floats at the prescribed pressure.
- Attach the black central part of the frame to the rear of the trampoline with the 4 pins so that the rudder attachment piece is at the rear.
- Secure the pins with circular safety clasps.
- Push the green extension tube (bowsprit) into the centre of the frame and secure it with the rubber band.

- Lay the mast and place it onto the spike at the front of the frame.
- Fasten the wire stays on the floats by means of snaps and to the front centre tube (bowsprit) using a carabine.
- Tighten the front rope, causing all ropes to be tightened off evenly.



- Attach the rudder at the rear of the frame with the safely clasp.



- Attach the drawbar rope to the sail.

Your boat is now ready.

## Warning !

- If you experience a loss of pressure of 20% of operating pressure inside a 24 hour period when external temperature is constant it is considered to be normal and no reason for a complaint to the manufacturer or a warranty claim!

- There is a possibility that the flat valve can become a little lose after the first few pumpings, and that can result in a little air escape around the valve (being a result of the stretching and contracting of the boat skin).

In case this happens with your boat, it is sufficient to turn the valve with the valve key by about one quarter to one half a turn until the resistance becomes too great.

- Water should never come inside of the tubes. In case this happens please empty as soon as possible and dry throughout . Water inside of the tubes can cause a damage to the inner rubber of the tube and this can cause I-beam damages as well.

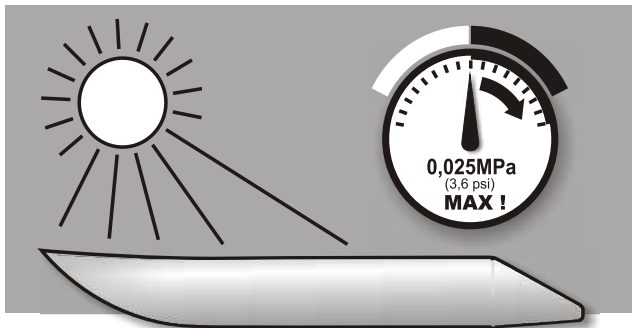
- If the boat is standing still on a shore for a longer periods of time, please dismantle the keel fins or use the special stands (see our Spare Parts & Accessories Catalogue) under the floats which will prevent the pressure on the floats. You will avoid a possible damage of the keel fins and floats.

- Maximum operating pressure in the floats (air chambers) is 0.025 MPa (3.6 psi). If there is an increase of the ambient air temperature (due to the heat of the sun) the air pressure inside the floats can increase. The air pressure of the floats should be checked and air released if necessary to avoid eventual damage.

- Before setting sail it is advisable to familiarise yourself with any local regulations or restrictions for the piece of water in which you intend to operate.

- MiniCat is not intended to be towed behind a motorised craft. It must not be towed, slide moved, or otherwise extensively loaded.

- Valuable items and personal effects must be placed in a waterproof package and placed in the pockets on the trampoline.
- Bright sunlight will eventually have a deteriorating effect on the rubber surface of the floats, therefore wherever possible when your MiniCat is not in use it is advisable to leave the boat out of direct strong sunlight.
- When sailing on large open water (sea, lake) pay close attention to the wind directly from the coast. It is possible to be blown offshore.
- MiniCat must not be used in bad conditions, for example, low visibility, night, fog, rain.



When exposed to the sun, the pressure in floats increases – let air out gradually!

## Instructions for drying, storage, cleaning and maintenance of your MiniCat

After sailing and before storing your MiniCat it is necessary to rinse the boat using water and a mild soap or detergent, and then allow the boat to dry out thoroughly. After sailing it in salt water it is necessary to wash the boat with fresh water. It is recommended to clean all parts from dirt, sand and other impurities using an absorbent cloth. Please note that oil, petrol, acetone, kerosene, paraffin and similar solvents and chemicals disagree with the rubber layer on the surface of the boat and must be avoided.

Before storing your MiniCat and from time to time, we recommend that you clean the boat thoroughly and treat the surface of the rubber floats. The **'MiniCat Maintenance Kit'** includes

everything you need for the care of your MiniCat including cleaning and preserving fluid, lubricant and silicone oil. Carefully pack the dry, deflated floats, cleaned from sand and dust, so that the number of folds will be as few as possible. The folds especially at the edges of the packed float have to be protected to prevent unnecessary wear. Care should also be taken of the cover of the inflation valve, and to avoid any damage to the floats during packaging.

**It is recommended after each sailing, to treat the connections of the mast and of the longitudinal central tube using silicone oil.**

Pay particular attention when putting single parts into the bag to prevent any damage.

Store the packed boat in a dry space protected from direct sunlight and adverse temperatures (rec: 10 -25 °C). Avoid any load or strain being placed on the boat during storage (putting any heavy objects on top of it, etc.)

Careful treatment and good maintenance can increase the life of your MiniCat.

## Righting a capsized boat (Turning Turtle)

In case of overturning the MiniCat follow these instructions:

1. Release the main sail to the maximum to assure the least possible resistance of the sails when righting the boat.
2. Stand on one float then and pull on the mast line and the handle on the other float. Be careful to prevent damage to the keel fins.

After righting the boat use the handles on both sides of the floats to get back on board.

## Repair of your MiniCat

Damage to the MiniCat floats can be easily repaired using the supplied '**MINICAT Repair Kit**'.

Repair procedure:

- Mark the damaged area on the boat and select the patch according to the size of the damage.
- The surface of the patch and of the damaged area must be dry, clean, dust-free and without trace of previous adhesive.
- De-grease both the patch and the damaged area using acetone or petrol.
- Apply a thin layer of adhesive to both surfaces.
- When the adhesive is dry to touch attach the patch to the damaged area and apply pressure.

After minor repairs (punctures), it is possible to re-inflate the boat and to continue sailing after just 60 minutes, with larger repairs it is recommended to wait for 24 hours. With more complicated repairs you are recommended to return your MiniCat to your supplier, to the manufacturer, or to an accredited repair-shop.

Careful treatment and maintenance can increase the service life of your MiniCat.

The manufacturer's warranty period is 24 months from the date of the sale.

All warranty repairs are carried out by a designated, authorised repairer or by the manufacturer:

Martin Horák - design  
Václava Kulíška 1174  
686 05 Uherské Hradiště  
Czech Republic  
E-mail: minicat@seznam.cz

## Warning !

Sailing can be very dangerous and personally exhausting. Therefore, the user of this product must realise, that not following safety precautions may result in serious injury, or even in death. Therefore when using this product pay close attention to following safety precautions:

- Get well acquainted with the operation of this design of boat.
- Ensure that you have first aid training with certification and have emergency/first aid equipment with you when you sail.
- Always use a quality certified life jacket.
- Before each time you sail check your equipment for functionality and that it does not show any signs of damage.
- Do not overestimate your abilities on the water; take care of yourself.
- Ensure your state of health with a doctor before you go sailing.
- Always observe the manufacturer's recommendations regarding the use of this product.
- Never use this product after taking alcohol, drugs or medication.
- Before using this product read the User's Guide carefully.
- Always pay attention to sea winds and currents.
- The user of this product must be familiar with the basic sailing skills and must be aware of the risks attached to this sport.

## Beaufort scale

Beauf. no.	Description	Wind speed	Wave height	Sea conditions	Land conditions
<b>0</b>	Calm	< 1 km/h < 1 mph < 1 kn < 0.3 m/s	0 m 0 ft	Flat.	Calm. Smoke rises vertically.
<b>1</b>	Light air	1.1–5.5 km/h 1–3 mph 1–2 kn 0.3–1.5 m/s	0–0.2 m 0–1 ft	Ripples without crests.	Smoke drift indicates wind direction, still wind vanes.
<b>2</b>	Light breeze	5.6–11 km/h 4–7 mph 3–6 kn 1.6–3.4 m/s	0.2–0.5 m 1–2 ft	Small wavelets. Crests of glassy appearance, not breaking	Wind felt on exposed skin. Leaves rustle, vanes begin to move.
<b>3</b>	Gentle breeze	12–19 km/h 8–12 mph 7–10 kn 3.4–5.4 m/s	0.5–1 m 2–3.5 ft	Large wavelets. Crests begin to break; scattered whitecaps	Leaves and small twigs constantly moving, light flags extended.
<b>4</b>	Moderate breeze	20–28 km/h 13–17 mph 11–15 kn 5.5–7.9 m/s	1–2 m 3.5–6 ft	Small waves with breaking crests. Fairly frequent whitecaps.	Dust and loose paper raised. Small branches begin to move.
<b>5</b>	Fresh breeze	29–38 km/h 18–24 mph 16–20 kn 8.0–10.7 m/s	2–3 m 6–9 ft	Moderate waves of some length. Many whitecaps. Small amounts of spray	Branches of a moderate size move. Small trees in leaf begin to sway.





# Certificate of Conformity

No. 04 - 2018

Manufacturer:

**Martin Horák - design**

**Václava Kuliška 1174**

**686 05 Uherské Hradiště**

**Company Registration Number: 66787441**

Registered MIC (Manufacturer's Identity Code)

according to ČSN EN ISO 10087, Art. 42 - "HOC"

declares and certifies on its exclusive responsibility that the product:

## Recreational Craft - MINICAT Guppy

determined for sailing in protected offshore waters, large lakes, river mouths, bays, etc., is designed and produced in conformity with the requirements of **ČSN EN ISO 6185**, issued by the European Committee for Standardization (CEN) on 10 November 2001 and is safe under the conditions of the above - stated use.

The manufacturer declares that all the products put on the market conform to the technical documentation and to the basic requirements.

Conformity assessment has been conducted according to:

**ČSN EN ISO 6185**

**ČSN EN ISO 10240**

**ČSN EN ISO 14945**

**ČSN EN ISO 10087**

**Directive 94/25/ES**

The product meets all the requested values and parameters and all the required tests have been successfully carried out.

In Uherské Hradiště on 3.4.2018

Martin Horák  
Václava Kuliška 1174  
686 05 Uherské Hradiště  
IČO: 66787441, DIČ: CZ 66787441