

INTRODUCING THE BRAND NEW

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EXPLORER



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MiniCat 520 EXPLORER - information

MAIN FEATURES:

- 4-Piece Aluminium Mast – silver powder coated
- Flexible mast mounting joint
- Aluminum double frame - fore & aft of mast
- Front trampoline with fixings for 'Pod' or storage
- Dyneema rope shrouds
- Aluminum Rudder & Centre board
- Without Bowsprit
- Main Sail 7.7 m² – Polyester Dacron – can be reefed (single design)
- Jib 3.5 m² – Polyester Dacron (single design)
- 'Endless' Jib Furler
- Grey Hulls with double chambers
- Strengthened hull base
- Hull side ropes
- Black/grey Main Trampoline
- Telescopic tiller extension

Please note that M520 Explorer is available only in Orange, there are no other colour options available

OPTIONAL EXTRA FEATURES:

- Upgrade to 3-chamber floats
- Upgrade to Carbon mast with flexible mounting joint
- Upgrade to Carbon boom
- Upgrade to Dyneema ropes (below)
- Pod (tent)
- Waterproof front trampoline with storage
- Waterproof 'saddle bags'
- Neoprene padded mat for the main trampoline
- Rolling sail GENNA



MiniCat 520 Explorer – detailed descriptions of Explorer options

Multi-chamber hulls:

The advantage of multi-chamber hulls is safety, this is because when sailing in conditions where there may be the risk of puncture (ice, rocks etc.) if the hull is punctured it does not result in total collapse of the hull and therefore prevents capsizing or sinking. This feature is unique amongst all small inflatable sailboats.

The standard (base) version of Explorer comes with 'twin-chamber hulls'. There is the option to upgrade to 'triple chamber hulls'. Each chamber has its own valve, these are located on the top of the float so that the float can be repressurized on the water. We will shortly provide a diagram to make this clear.

Waterproof 'Saddle bags':

The waterproof saddle bags are designed and manufactured by MiniCat specifically for the use with Explorer, each bag has a capacity of 25ltrs.

They are made to attach to the side of the hulls, however they can also be added and secured to the front trampoline. Therefore, the design allows for up to three saddle bags to be attached to each hull towards the rear of the boat.

When sealed correctly the bags are entirely waterproof and include a transparent 'window' strip along the side to conveniently enable a view of the contents.

MiniCat 'Pod' (Tent):

This truly unique feature is entirely a MiniCat innovation and is designed and manufactured by MiniCat, specifically for Explorer. The final design is the result of the most rigorous testing in extreme Arctic conditions, and we have opted to take the route of using only the highest quality materials for this. The 'pod' is far more than just a regular tent.

We are preparing drawings and technical data of the 'pod' which we will share shortly.

The pod is designed to attach to the boat frame on the front trampoline with four straps in the corners, so installing and removing the pod is easy and fast. The upper part of the pod is then stretched in the front - to the tips of the floats and in the rear to the mast. It is also possible to remove the pod from the boat and set it up on the shore. The pod is made to be highly waterproof.

The construction of the pod is glued & sewn. The lower part of the tent (floor and front headboard) is made of double-sided coated fabric (plastic). It is a similar type of material

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to the MiniCat boat bags. It is a highly durable material that is difficult to tear or otherwise destroy. The top of the pod and entrance door are made of a lighter material - RIPSTOP fabric, which is coated with a polyurethane coating.

The pod will be packed in its own lightweight bag, so the entire pod, including the duralumin rods, will be delivered packed.

It is possible to have the pod normally assembled and mounted for the duration of the voyage, but it will also be possible to fold it down (by pulling out the poles) and thus the boat will have less wind resistance and give a better view from the boat.

If you leave equipment in the pod when folded, it will serve as a waterproof shelter. The pod is not totally 100% waterproof, i.e. if the boat overturns, some water may get inside via the zippers. But in normal sailing mode, everything inside is very well protected.

The pod is equipped with windows in all directions, so the crew has a very good overview of what is happening outside. This is important during sailing and an overnight stay. There is a sufficient ventilation system that allows full air circulation, and any condensation inside the pod is extracted via a controlled drain, so water will not run down to the floor of the pod and sleeping bags will not get wet. There is complete protection from insects as all ventilation holes are complemented by a mosquito net. Inside the pod there are storage pockets and storage net inside the roof. The construction of the pod is simple and intuitive and takes only a few minutes one person can handle the construction without the need for outside help or tools.

Waterproof front trampoline storage:

As an alternative option to the pod, this offers extensive waterproof storage for equipment and fits over the front boat trampoline.

The size of the trampoline storage is 190 x 160 cm in its empty state. The whole trampoline is designed as an "accordion", so when filled, the external dimensions are reduced to about 170 x 140 cm. The base of trampoline is made of plasticine-like tiles so that it does not tear when loading sharp-edged equipment. The top of the trampoline is made of transparent material, reinforced with a mesh. This is very important, because with such a large area of the trampoline, it is necessary to have an overview of where everything is stored.

The entire top of the trampoline can be unzipped and uncovered, so loading and unloading baggage is easy, accessible and fast. A waterproof 8mm zipper with two sliders is used so it is possible to open the trampoline at any point to avoid opening the whole top to get to the


load on the opposite corner. The whole trampoline provides a high level of water resistance and protection.

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The trampoline is attached to the frame of the boat just like the pod with four straps with tridents. Everything is designed so that it can be installed and operated even with numb and frozen fingers. There is no small threading, no small assembly items, everything is easy even when working with gloves.

Neoprene padding for trampoline:

This is a tailored mat of neoprene specifically produced with appropriate fixings for the rear trampoline of Explorer. This is a result of extreme cold-water testing and adds significant comfort for the sailors especially when on longer voyages in cold climates. The mat prevents any upward splashing through the trampoline and due to the insulative properties of neoprene helps keep the sailors protected from the cold.