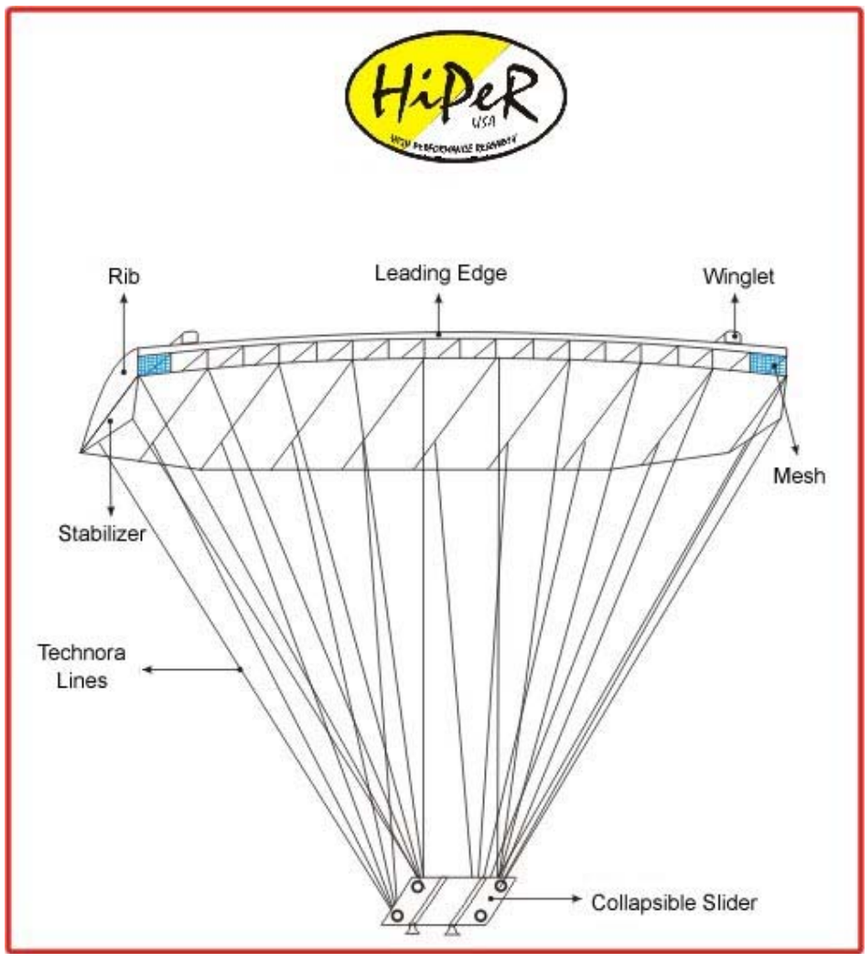

Winglets The Winglets, which are attached to the upper surface of the canopy, add stability in several ways. Inspired by airplanes and paragliders, we transferred this technology to our canopies. Due to improved airflow, the touchdown (or stall) speed of the canopy is slowed considerably. Winglets provide for better recovery from steep carving turns, and improve directional control during cross-wind landings. They also help to prevent the diving effect of line twists that is often associated with eliptical canopies.

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Leading Edge The leading edge is attached spanwise as a single piece of fabric to the upper surface of the canopy. The bottom is fastened to each rib by small tapes. In test jumps this type of leading edge has proven to effectively stabilize the canopy during the landing flare.

Profile The profile (or rib shape) of the canopy is designed to provide optimal lift. Airflow separation is effected very late and is extremely good-natured. The pilot will not experience the typical “bowtie” with our canopies, instead the stall is docile and predictable. These characteristics make it possible with high wing loadings to have a very deep control stroke in the flair without experiencing an immediate stall.

Mesh The openings of the end cells are covered with mesh. It is known that the end cell is greatly distorted while making steep turns. The mesh covering keeps the opening of the end cells properly shaped and they retain good pressurization.

Technora Lines Technora (HMA) is very dimensionally stable, meaning that the canopy will stay in perfect trim throughout its lifespan. We use a completely new material that is manufactured to prevent UV damage. It also demonstrates good resistance to abrasion and buckling when compared to vectran. The lines are continuous, without the use of cascades. This combination of stability and continuity guarantees a better shaping of the wing which results in improved aerodynamics and flight characteristics. The continuous lines offer another advantage; lines can be replaced in the field without any sewing. This increases economy, as the canopy need not be returned to the factory for a new lineset.

Stabilizer The outboard lines are attached directly to the stabilizer and not to the lower surface of the canopy. This creates a much improved aerodynamic wing, and opening impact is distributed evenly on the entire surface of the stabilizer and its associated rib.

Collapsible Slider Our Slider is very easy to collapse and open again for packing. In addition, our kill-line system is very strong and maintenance-free. We use brass grommets in combination with soft links, which produce smooth openings and never need replacement.

Nitro Canopy Specifications

Size	ASP. Ratio	Min. Exit Weight	Max. Exit Weight	Pack. Vol.	Min. Cord	Max. Cord	Wing Span
78	2,56	86 lbs / 39 kg	133lbs/ 60kg	225 cu in	120 cm	161 cm	425 cm
88	2,56	97 lbs / 44 kg	149lbs/ 68kg	255 cu in	128 cm	172 cm	454 cm
98	2,56	108 lbs/ 49 kg	167lbs/ 76kg	270 cu in	135 cm	181 cm	475 cm
108	2,35	119 lbs / 54 kg	184lbs / 83kg	288 cu in	143 cm	203 cm	488 cm
120	2,56	132 lbs / 60 kg	204lbs/ 93kg	327 cu in	144 cm	203 cm	537 cm
135	2,56	149 lbs / 68 kg	230lbs/ 104kg	353 cu in	150 cm	214 cm	566 cm
150	2,56	165 lbs / 75 kg	255lbs/ 116kg	379 cu in	157 cm	225 cm	599 cm

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