



LibertyKite® : a new way of sailing





A NEW WAY OF SAILING 100% PLEASURE & SOBRIETY

LibertyKite® is the world's lightest and simplest "engine". It runs with the wind, a free and inexhaustible "fuel". Easy to install and self-stable once flying, LibertyKite® brings an innovative, non-polluting kite-powered solution to all types of boats.

- Its exclusive concept of oscillating balance between its 2 towing lines and the total absence of bridles or battens make it tolerant to wind variations or boat heading.
- Once moored to the cleats on an axis perpendicular to the apparent wind, LibertyKite® tows the boat. Its propulsive force can be considerable, with its 2 types of flights static or dynamic, obtained according to the spacing of the traction points on the boat's deck, as well as the length of the lines sent out (see diagrams).



OUR ADVANTAGES

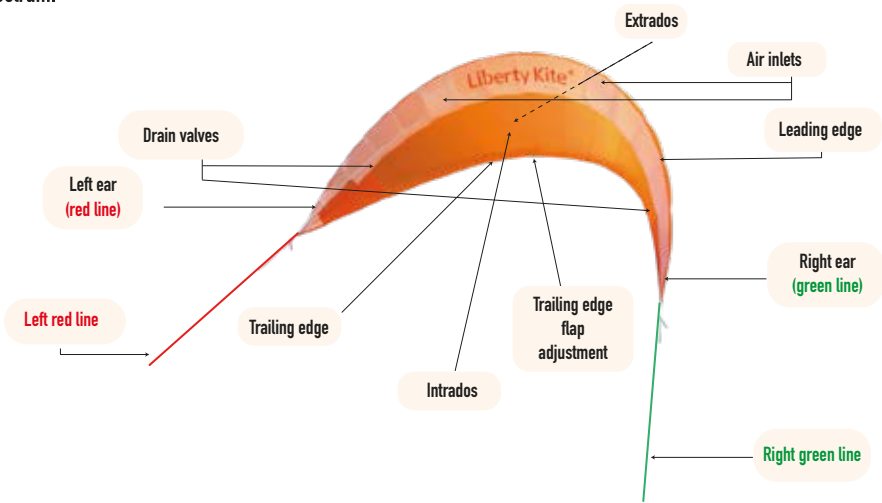
- ✓ The result of 10 years of research and 3 patents
- ✓ The only high-performance kite that doesn't require piloting
- ✓ Simple and fast training and education, even for individuals unfamiliar with sailing or kitesurfing
- ✓ Self-stability (no need for manual or automatic piloting)
- ✓ Outstanding flying qualities
- ✓ Silent sailing
- ✓ Extremely compact and
- ✓ Safety equipment for offshore navigation



INTRODUCING
OUR WINGS

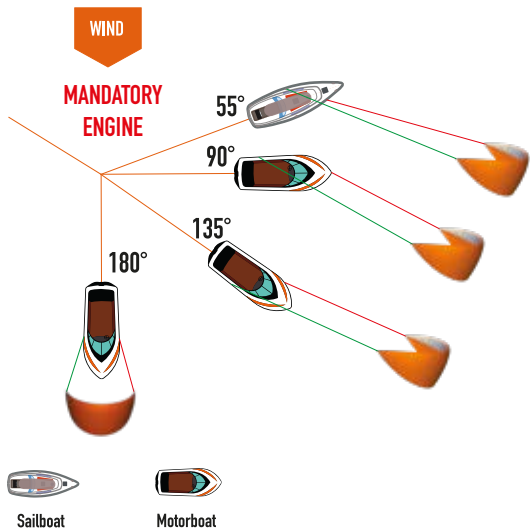
AN EASY-TO-USE WING

Takeoff can be done alone or in pairs in winds between 10 and 25 knots. LibertyKite® can also be flown in winds of over 30 knots with an experienced crew. The wind-inflated leading edge, followed by a simple skin to the trailing edge, acts as a wing. The extraordinary flexibility of this kite concept enables it to track wind fluctuations while maintaining stability across a broad wind spectrum.



SAIL POINTS BY BOAT TYPE

LibertyKite® allows you to sail up to 55° into the true wind on boats equipped with efficient lateral resistance (sailboats). For other boats, the kite can be used from 90° into the true wind. Depending on the desired course, the placement of the traction points on the boat's deck must be adjusted. The goal is to maintain an axis that is approximately perpendicular to the apparent wind

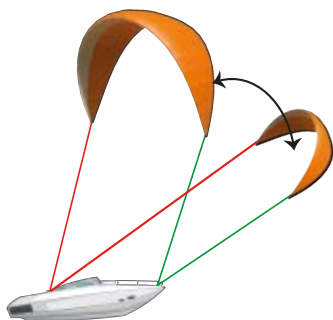


KEY INFORMATION

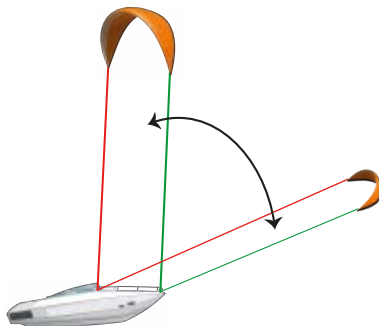
The boat's performance and maneuverability are strongly conditioned by the appendages and hull shapes as well as the length and displacement of the latter.

EASY ADJUSTMENT OF LINE LENGTH AND SPACING

LibertyKite® is the only kite dedicated to boat towing, with simplicity and ease as its guiding principles. It has no bridles to snag or cumbersome battens to stiffen its profile. Its suppleness gives it remarkable lightness and flying qualities. Its flight is essentially determined by the position of the traction point on the deck.



Large distance between pulling points : reduced oscillation and static flight



Small distance between pulling points : strong oscillations and dynamic flight

The combined adjustment of the length of the two traction lines enables to modify LibertyKite®'s elevation and altitude to adjust the pulling force. With long lines and dynamic flight, the pulling force can be considerable.

DECK DESIGN, FITTINGS AND TRAINING

Depending on the boat and the intended sailing schedule, the right solutions to get the best out of your LibertyKite® will be offered. It all starts with a study of the boat's deck, in order to find the ideal pulling points and propose the appropriate complementary fittings. LibertyKite® navigation techniques can be learned through training courses tailored to the captain needs, and develop complementary solutions designed to facilitate intensive use of LibertyKite®, such as the KiteBoom.



LAUNCH CONTROL SYSTEM (FROM 40m²)






As part of its ongoing research, Beyond the Sea developed the exclusive Launch Control system, which makes launching large LibertyKite® easier and safer.

All there is to do is to inflate, launch LibertyKite® and gradually release a dedicated line which holds it at various points along the leading edge. Throughout the launch maneuver, the LibertyKite® remains under control, with high stability and low traction until full inflation.



USE
LAUNCH CONTROL

DIFFERENT KITE SIZES FOR ALL BOATS

LibertyKite® Specifications	10m²	20m²	40m²	80m²	120m²*
Indicative boat length (m)	4 to 8	6 to 12	9 to 18	12 to 20	15 to 40
Wingspan (m)	7,4	10,4	14,8	21	Coming soon
Dimensions of the kite folded in bag (cm)	55x35x10	75x38x10	65x50x25	80x60x40	Coming soon
Weight (kg)	1,3	2,4	6	12	Coming soon
Length of line set (m)	16	24	33	50	Coming soon
Fabrics	Skytex		Precision Nylon		Coming soon
Structural reinforcements	Dyneema				
Recommended distance between lines on the deck (m)	3,5	5	7	10	Coming soon
Recommended wind range for take-off (knots)	From 10 Kts to 25 Kts				
Launch Control system included ?					
LibertyKite® Price €	10m²	20m²	40m²	80m²	120m²
Public price excl. VAT	1 240,00 €	2 390,00 €	6 400,00 €	12 800,00 €	Coming soon
Public price incl. VAT	1 488,00 €	2 868,00 €	7 680,00 €	15 360,00 €	Coming soon

VAT is applicable according to the tax regulations of the country and the status of the buyer (private individual or professional).

*Characteristics given for information only, subject to change between now and product release.



SAIL IN COMPLETE SAFETY WITH ADDITIONAL PROPULSION

While LibertyKite® is a highly relevant complement to conventional or electric motors for increasing range, reducing environmental impact and enjoying silence, it was originally designed as a safety equipment for offshore navigation.

In the event of engine failure or dismasting, LibertyKite® provides an additional means of propulsion, keeping the boat maneuverable and the crew on course. Moreover, its orange color (an internationally recognized distress color) provides visibility.

Some of the world's leading ocean racers have chosen to take a LibertyKite® on board in case of dismasting while sailing offshore.



THEY TESTIMONY



Alan Roura, **professional IMOCA 60 skipper**

"I'm convinced that this wing is a real plus for our racing boats in the event of major damage."

Miranda Merron, **professional IMOCA 60 skipper**

"Halvard (Mabire) and I were both happy and reassured to have LibertyKite® on board during our various races (solo and double-handed) and convoys. As a result, the kite has traveled a lot !"

