

FLYSURFER

VMG³

SIZES WOMAN: 9 / 11 / 15 / 19

SIZES MAN: 9 / 11 / 15 / 21

TECHNOLOGY: Licensed Formula Kite Product

POSITIONING: Formula Kite Class

SKILLS: Professional

TAGS: #VMG #velocitymadegood #flysurferVMG

The equipment requirements for the upcoming 2028 Olympic Cycle have changed. We have adapted and optimized the VMG³, using material and structural changes, a more visible graphic design, open spaces on the wing tips for nation codes and ing numbers, and co-branding options in the center of the kite. Athletes, both women and men, are limited to the biggest kite size they can register for an event.

TECHNICAL CHANGES

Construction

The VMG³ features pocket improvements for rigid foils sitting on the leading edge, fiberglass rods, and rigid foils integrated into the inner construction. We have also changed the sailcloth and rib fabric and reinforced the bridle attachment points. To stay true to our low-drag design approach, we redimensioned the bridle lines and went for a Dyneema and Aramid mix, varying in sizes.

VMG³ 19 / 21 | 2-Level Design

The A-B level design now includes a low-drag Dyneema/Aramid bridle configuration, resulting in a weight saving of 460 g compared to its predecessor. We have also updated the cloth and internal structures while increasing the aspect ratio. Additionally, we have expanded the projected area on the VMG³ 21 model and introduced a size 19 specifically designed for women.

VMG³ 15 | 2-Level Design

The A-B-level design incorporates a low-drag Dyneema/Aramid bridle configuration, achieving a weight saving of 340 g compared to its predecessor. It features changed cloth and internal structures, an increased aspect ratio, and an expanded projected area.



VMG³ 11 | 3-Level Design

The A-B-level design features an activated brake level Z and a robust Aramid bridle configuration. It achieves a weight saving of 180 g compared to its predecessor by changing the sailcloth and internal structures. The aspect ratio has been increased, 8 cells have been added, and the projected area has been expanded. The VMG³ 11 also flies without the activated brake level. FLYSURFER can decide to register a new bridle set and eliminate the brake during the 2028 cycle to improve the kite's performance.

VMG³ 9 | 4-Level Design

The A-B-C-level design features an activated brake level Z and a robust Aramid bridle configuration. It achieves a weight saving of 250 g compared to its predecessor by changing sailcloth and internal structures. The aspect ratio and the cell count have been decreased. The VMG³ 9 is the only construction without a supported top sail (integrated fiberglass rods).

Material Mix

The sizes 11 / 15 / 19 / 21 feature Skytex 32 leading edge and Dominico 10D sail fabrics. The 9 m uses our TX-light sail fabric. All kite sizes besides the 9 m are available in Dusty Pink, Blue Jewel, and Burgundy. The 9 m is only available in Dusty Pink.

SCOPE OF DELIVERY:

VMG³ Kite Only

VMG³ Kite Bag

Repair Kit

Kite Safety Guide

HIGHLIGHTS:

LICENSED FOR OLYMPICS 2028

HYDRO-TECH CONSTRUCTION

HIGHLY SPECIALIZED COMPETITION EQUIPMENT

PERFORMANCE CHANGES

The VMG³ gives the athletes multiple tactical options to lead or overtake their rivals and does not force a specific riding style. Every size is fully optimized to its operating window to maximize performance and wind range. Due to windspeed and controllability, the requirements vary from size to size.

The VMG³ is easier to handle and more accessible; it lets you focus on riding. We gained in a straight-line speed and increased upwind and downwind performance. It has excellent glide to stick your maneuvers perfectly while being gentler on the body during long regatta days to retain your energy level.

VMG³ 21

Focus on performance improvements upwind and downwind and controllability in very light wind while keeping the depower to increase its range. Powerful and easy to control.

VMG³ 19

Similar requirements to the VMG³ 21 but with more focus on low-end power. Easily accessible performance paired with great control and an extended windrange compared to the VMG² 18.

VMG³ 15

Overpowered ing is typical on this kite, so improving control is necessary. We achieved that by having less movement in the sail and gaining more performance due to a higher aspect ratio, less weight, and more projected area.

TECHNICAL DATA

VMG ³	9	11	15	19	21
Area (projected)	7.684 m ²	9.808 m ²	13.136 m ²	16.141 m ²	17.858 m ²
Aspect Ratio	6.4	7	7.55	7.55	7.55
Flat Wing Span (m)	7.589 m	8.882 m	10.734 m	11.898 m	12.515 m
Weight = canopy + complete bridle + mixer (kg)	1.63 kg	2.05 kg	2.38 kg	2.80 kg	3.02 kg
Recommended barsize (cm)	55 cm	55 cm	60 cm	60 cm	60 cm

SIZE CHART

VMG ³		9	11	15	19	21
MEN	Windrange Racing (Knots)	28 - 35	18 - 28	14 - 18		5 - 15
WOMEN	Windrange Racing (Knots)	28 - 35	18 - 27	13 - 17	5 - 12	
80 kg	Windrange Freerace (Knots)	12 - 30	9 - 24	8 - 18	5 - 14	5 - 13
Line length		12 m	12 m	12 m	12 m	12 m



VMG³ 11

The VMG³ 11 has to cover the widest wind range. The activated brake level improves downwind performance and handling. It stabilizes the sail and gives you a better feel for the kite. Better control and increased performance.

VMG³ 9

The safety kite in our VMG³ range is heavily influenced by our Big Air foil kites to give you maximum control and stability. It is a reliably high-performing kite that lets the athlete focus on body position and keep track of their surroundings, giving them an advantage in gnarly stormy weather.