



NORTHSAILS WINDSURFING INTERNATIONAL

PRESS RELEASE 03/2013 - FREERIDE

OVERVIEW 2013 FREERIDE RANGE



RACING

RAM F13



PERFORMANCE

S_TYPE
X_TYPE



CROSSOVER

NATURAL
CURVE
DRIVE.GROM





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PRESS RELEASE 03/2013

RACING RAM F13



Maximum performance just below World Cup level with a balanced handling - these are the cornerstones for the development of the RAM F13. The RAM F13 is, and remains a relentlessly fast Slalom sail, with again improved acceleration power and top speed over the whole wind range through a steeper angle of the top batten.

DETAILS:

7 battens, a narrower mast sleeve and the reduced weight make the RAM F13 far less physical to handle than the WARP F2012. The INDEPENDENT.SHAPING.CONCEPT supports this concept decisively. Instead of just using one kind of shaping for the complete sail (sail body and mast sleeve), Kai worked with 2 separate 3-D profiles for the sail body and mast sleeve. The wind range has improved drastically by an impressive 25%.



Watch the RAM F13 clip: <http://www.youtube.com/watch?v=EZ9JTtyPMFI>

KEY FEATURES

- [01] Steeper top batten for more power and better twist, greater acceleration and wider wind range
- [02] **MODERATE.CUTAWAY.CLEW** - less flex and opening of the **CROSS.BATTEN** for more power and more direct acceleration
- [03] **IBUMPER**, the most advanced and effective moulded mast protector
- [04] Increased power through increased pre-shaping in the boom and foot area
- [05] Lower aspect ratio makes for increased acceleration after start and jibing
- [06] **INDEPENDENT.SHAPING.CONCEPT** improves rotation, control and acceleration
- [07] **TWIN.TRIM.CLEW** allows for individual tuning increasing the range of use
- [08] **HYPER.CAM** - the first hard camber that rotates like a soft cam





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PERFORMANCE S_TYPE



for 2013 Kai Hopf developed new features and an optimized profile which increase the outstanding performance yet again

DETAILS:

For example a small but essential detail is the steeper top batten, which provides a better connection to the top of the sail, which gives a more active twist. This leads to quicker acceleration and an expanded wind range. Following the extremely successful WARP F2012 the compact shape got taken over, but with a slightly longer CROSS.BATTEN. This results in greater comfort and control during acceleration and in overpowered conditions, because the longer CROSS.BATTEN flexes more.



Watch the S_Type clip: <http://www.youtube.com/watch?v=7ZCyb4cwZYI>

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- [01] Steeper top batten for more power and better twist, greater acceleration and wider wind range
- [NEW] [02] **IBUMPER**, the most advanced and effective moulded mast protector
- [03] Lower aspect ratio makes for increased acceleration after start and jibing
- [04] **MINIMUM.MAST.CONCEPT**: one mast (460-25) fits all sizes
- [05] **HYPER.CAM** - the first hard camber that rotates like a soft cam
- [06] **SWITCH.CAM.OPTION** 3/2: 3 cams for max. performance - 2 cams for improved handling





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PERFORMANCE X_TYPE



This extremely versatile sail combines convincing handling and rigging of a NoCam sail with a very tangy power delivery and top speed. Simply powerful thrust and speed AND the ease of a NoCam sail for relaxed maneuvers. The secret is the reduced aspect ratio that was taken over by the World Cup winning sail WARP F2012 plus the relatively high sail foil tension which guarantees maximum performance even without cambers..

DETAILS:

The forward draft location facilitates rig control and steering, and significantly contributes to what is an unusually high draft stability profile for a NoCam sail. Thanks to the **PROGRESSIVE.BATTEN.CONFIGURATION**, all X_TYPE models feature batten numbers relevant to size and application, with Kai Hopf managing to perfect the 6.0 and 5.4 sizes with just 6 battens. This helps reduce weight and improves handling. What's more all X_TYPE sizes can be used with a single 460 mast - one mast fits all!



Watch the X_Type clip: <http://www.youtube.com/watch?v=x2exjorFgII>

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- [NEW] [02] **iBUMPER**, the most advanced and effective moulded mast protector
- [03] Lower aspect ratio makes for increased acceleration after start and jibing
- [04] **TWIN.TRIM.CLEW** allows for individual tuning increasing the range of use
- [05] Increased durability through solid **X.PLY** foot construction
- [06] **MINIMUM.MAST.CONCEPT**: one mast (460-25) fits all sizes





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CROSSOVER NATURAL



The NATURAL accelerates without pumping, offers a surprisingly high speed potential and inspires with its high draft stability.

DETAILS:

The secret of the perfectly balanced range of the NATURAL is the PROGRESSIVE.BATTEN.CONFIGURATION. As a result, the focus for sizes up to 5.8 is still on handling and draft stability, which explains why only 5 battens are in place.

At 6.2 and above, the design focuses on performance while Kai Hopf once again concentrated on simple rig control and handling characteristics. Both versions offer excellent control, a high level of comfort, and plenty of planing ability - the perfect synthesis of speed, acceleration, and handling.

The new NATURAL with CROSS.BATTEN.CONSTRUCTION and CUTAWAY.CLEW will make windsurfing much less complicated, and we believe that for many sailors the problem of choosing the right equipment is almost obsolete.

KEY FEATURES

- [01] Steeper top batten for more power and [NEW] better twist, greater acceleration and wider wind range
- [02] **VTS.PLUS** fast-rigging indicators for even [NEW] easier trimming
- [03] **VTS** and **HTS**: NorthSails exclusive visual trim indications make rigging a piece of cake
- [04] **2 MASTS FIT ALL**: with only 2 masts you cover all sizes
- [05] **DURA.LUFF.PATCH** avoids damage to the luff panel from rigging





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CROSSOVER CURVE



Looking at this Crossover sail one can imagine how easy it is to control during manoeuvres and light it feels in your hands.

DETAILS:

The secret is the extremely weight-optimised and clean construction that focuses on the essentials, without compromising the durability. The result is an unparalleled handling, which immediately makes especially intermediates jump up one class.

The balanced shape and very low weight are specially tailored to the group of novices and intermediates. The new CURVE accelerated the move to the next skill level and ideally supports learning new manoeuvres.

KEY FEATURES

- [01] Maximum weight reduction through **iMODULAR.DESIGN**
- [02] **VTS** and **HTS**: NorthSails exclusive visual trim indications make rigging a piece of cake
- [03] One mast (430-21) fits for all sail sizes





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CROSSOVER DRIVE.GROM



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